Comprehensive lighting catalog

7th Edition

PHILIPS
LIGHTOLIER

Philips Lightolier

Comprehensive lighting catalog 7th edition

For over a century, Lightolier's commitment to "Lighting that Makes a Difference" has shaped our industry. Through changing technologies, our dedication to providing practical, high quality lighting solutions has never wavered. As a new chapter on LED lighting unfolds, take confidence in knowing that you are partnering with the clear technology leader.

Our design philosophies have been refined through years of application experience. While paying careful attention to the needs of LED lighting, we once again placed lighting application at the forefront of our product development process. The resulting architecturally integrated LED solutions create a class leading portfolio which addresses the demands of modern lighting systems with legendary Lightolier quality.

Our application specific, total system designs utilize the latest technology platforms available. The vertical integration of Philips within the LED lighting industry affords Lightolier unmatched advantages in R&D efficiencies and technological collaboration. Our LED product portfolio offers multiple strategies to meet the most challenging application demands. This global R&D network, combined with Lightolier's continued investment in LED, means you can be confident you are specifying and installing the very best in lighting technology.

Cover
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Photography: Padgett and Company
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Lighting that makes a difference

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Downlighting

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LED lighting

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Downlight medium beam
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LED 4" & 6"
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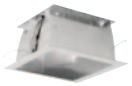
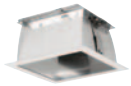
CFL lighting



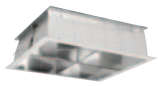
4½" x 4½"
Open downlight
1.20



4½" x 4½"
Lensed downlight
1.21

4½" x 9"
Open downlight
1.22

4½" x 9"
Lensed downlight
1.23



9" x 9"
Open downlight
1.24

9" x 9"
Lensed downlight
1.25

4½" x 4½"
Lensed wall washer
1.26

4½" x 9"
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1.27

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6" & 7"
Horizontal open downlight
1.29

8"
Horizontal open downlight
1.30

6" & 7"
Horizontal open downlight
1.31

6" & 7"
Horizontal lensed downlight
1.32

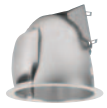
8¾"
Vandal resistant lensed down
1.33

6" & 7"
Cross blade louver downlight
1.34

7" & 8"
Parabolic louver downlight
1.35

7" & 8"
Parabolic louver downlight
1.36

4", 6" & 7"
Vertical open wall washer
1.37



6" & 7"
Horizontal open wall washer
1.38

6" & 7"
Horizontal open wall washer
1.39

6" & 7"
Horizontal lensed wall washer
1.40

7"
Horizontal lensed wall washer
1.41

6", 7" & 8"
Surface cylinder and drum
1.42

Downlighting

Professional-Grade – Calculite

HID lighting

4½" x 4½"
CMH MR16 Open Downlight
1.46

4½" x 4½"
CMH MR16 Lensed wall washer
1.47

4½" x 4½"
CMH MR16 Adj. accent
1.48

4½" x 4½"
MR16 Lensed Adj. accent
1.49

4½"
CMH MR16 Downlight
1.50

4½"
CMH MR16 Open adj. accent
1.51

4½"
CMH MR16 Pinhole adj. accent
1.52

4½"
CMH MR16 Pinhole adj. accent
1.53

4½"
CMH MR16 Lensed wall wash
1.54

4½"
CMH MR16 Lensed adj. accent
1.55

4½"
CMH MR16 Glasslite downlight
1.56

4½"
CMH MR16 Glasslite adj. accent
1.57

4½"
MH T4.5 Downlight
1.59

6"
MH PAR Downlight
1.60

6"
MH T6 Downlight
1.61

6"
MH ED17/E17 Downlight
1.62

7"
MH PAR38 Downlight
1.63

7"
MH ED17/E17 Downlight
1.64

7"
MH ED17/BD17 Downlight
1.65

7"
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1.66

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1.67

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MH T4.5 Open wall wash
1.68

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MH T6 Open wall wash
1.69

6"
PAR Lensed wall wash
1.70

7"
PAR Lensed wall wash
1.71

6"
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1.72

7"
MH ED17 Open wall wash
1.73

4½"
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1.74

6"
MH T6 Adjustable accent
1.75

6"
MH PAR Adjustable accent
1.76

7"
MH PAR Adjustable accent
1.78

Inno
MH T4.5 Surface cylinders
1.80

Expo
MH T4.5 Surface cylinders
1.81

4½", 6" & 7"
Surface cylinders
1.82 – 1.84

Downlighting

Professional-Grade – Calculite

Low & line voltage lighting

4 ½" x 4 ½"
Open downlight
1.88

4 ½" x 4 ½"
Lensed wall washer
1.89

4 ½" x 4 ½"
Adjustable accent
1.90

4 ½" x 4 ½"
Lensed adjustable accent
1.91

3"
Evolution downlight
1.92

3"
Evolution adjustable accent
1.93

3"
Evolution 1 ¼" pinhole downlight
1.94

3"
Evolution 1 ¼" pinhole adj. accent
1.95

3"
Evolution lensed wall washer
1.96

3"
Evolution lensed adj. accent
1.97

3"
Evolution Glasslite downlight
1.98

3"
Evolution Glasslite adj. accent
1.99

4 ½"
Evolution downlight
1.100

4 ½"
Evolution adjustable accent
1.101

4 ½"
Evolution 2" pinhole adj. accent
1.102

4 ½"
Evolution adjustable accent
1.103

4 ½"
Evolution lensed wall washer
1.104

4 ½"
Evolution adjustable accent
1.105

4 ½"
Evolution Glasslite downlight
1.106

4 ½"
Evolution Glasslite adj. accent
1.107

4 ½"
Evolution downlight
1.108

4 ½"
Evolution open wall washer
1.109

4 ½"
Evolution downlight
1.110

4 ½"
Evolution open wall washer
1.111

4 ½"
Evolution adjustable accent
1.112

4 ½"
Evolution lensed wall washer
1.113

4 ½"
Evolution Glasslite downlight
1.114

4 ½"
Evolution Glasslite adj. accent
1.115

6"
Evolution downlight
1.116

6"
Evolution open wall washer
1.117

6"
Evolution downlight
1.118

6"
Evolution open wall washer
1.119

6"
Evolution adjustable accent
1.120

6"
Evolution Glasslite adj. accent
1.121

6"
Evolution lensed wall washer
1.122

6"
Evolution adjustable accent
1.124

4 ½", 6" & 7 ½"
Open downlights
1.126

4 ½" & 6"
Shallow downlights
1.127

4 ½" & 6"
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1.128

7 ½"
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1.129

4 ½", 6" & 7 ½"
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1.130

4 ½" & 6"
Open downlights
1.131

4 ½", 6" & 7 ½"
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1.132

6"
Shallow open downlights
1.133

6" & 7 ½"
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1.134 – 1.135

7 ½"
Lensed wall washers
1.136

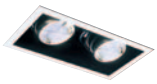
4 ½"
Framing projector
1.137

6" & 9"
Surface cylinders
1.138

Downlighting

Professional-Grade – Calculite

ProSpec linear



Recessed linear
A & B Series
1.142

Accessories & options

Vetro Glass
Decorative
1.146

Hand-Fused Art Glass
Decorative
1.147

Finish and trim options
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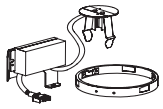
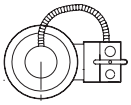
1.150

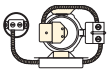
Installation and wiring
Calculite
1.151



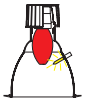
CFL Conversion kits
Calculite
1.152



Remodel frame-in kits
Calculite
1.153



Battery pack
Emergency lighting
1.154



Aux. & emergency lighting
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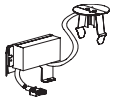
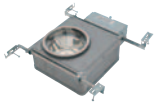
1.155



CFL Conversion kits
Calculite
1.156

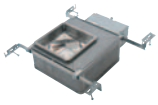
Specification-Grade – Lytecaster

Xceed LED lighting



5" Round housings
Xceed LED frame-in kits
1.164

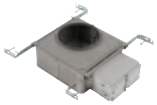
5" Round trims
Xceed LED trims
1.165



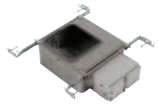
5" Square housings
Xceed LED frame-in kits
1.166

5" Square trims
Xceed LED trims
1.167

Xceed CFL lighting



5" Round housings
Xceed CFL frame-in kits
1.168



5" Square housings
Xceed CFL frame-in kits
1.169

5" Round trims
Xceed CFL trims
1.170

5" Square trims
Xceed CFL trims
1.172

Uniframe LED lighting

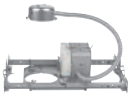
5" & 6 3/4" Housings
Uniframe LED frame-in kits
1.176

5" & 6 3/4" Remodeler
Uniframe LED frame-in kits
1.177

5" Round trims
Uniframe LED trims
1.178

6 3/4" Round trims
Uniframe LED trims
1.180

Uniframe CFL lighting



3¾", 5", 6¾" Housings
Uniframe CFL frame-in kits
1.182

5" & 6¾" Emergency
Uniframe CFL frame-in kits
1.184

5" & 6¾" Remodeler
Uniframe CFL frame-in kits
1.185

3¾" Trims
Uniframe CFL trims
1.186

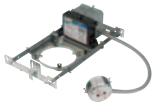
5" Trims
Uniframe CFL trims
1.188

6¾" Trims
Uniframe CFL trims
1.191

Downlighting

Specification-Grade – Lytecaster

Uniframe HID lighting



5" Housings
Uniframe HID frame-in kits
1.194

5" Trims
Uniframe HID trims
1.195

6¾" Housings
Uniframe HID frame-in kits
1.198

6¾" Round trims
Uniframe HID trims
1.199

Performance Incandescent Lighting

Performance housings
Incandescent frame-in kits
1.202

Performance trims
Incandescent trims
1.203

Specification-Grade – Ardee

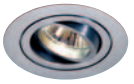
CFL lighting

Focus & Varianti
Small aperture downlight
1.208

Focus & Varianti housing
Small aperture downlight
1.210

TE Series
Electronic transformer
1.212

3" Focus trims
Small aperture downlight
1.213

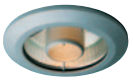


3" Varianti trims
Small aperture downlight
1.214

3½" Downlighting
ModuleX M3
1.215

3½" Housing
ModuleX M3
1.216

4" Halogen Trims
ModuleX M3
1.218

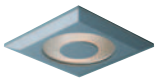


4" HID Trims
ModuleX M3
1.220

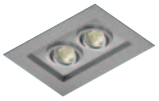
4" Bi-pin halogen trims
ModuleX M3
1.222

4" Bi-pin HID trims
ModuleX M3
1.224

4" LED Cabinet trims
ModuleX M3
1.226



4" LED Recessed trims
ModuleX M3
1.228

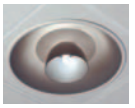


6½" & 9¾" Trims
MatreX
1.230

6½" & 9¾" Halogen trims
MatreX M3
1.232

2'x2' Downlighting
Indigo
1.235

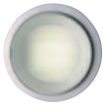
2'x2' CFL Housings
Indigo
1.236



2'x2' CFL Trims
Indigo
1.237

6" Downlighting
Hover CF
1.238

6" Housings
Hover CF
1.240



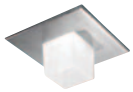
6" Trims
Hover CF
1.242

Downlighting

Specification-Grade – LytePoints

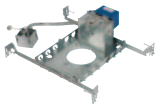
LytePoints

Flex
Installation system
1.246



Trims & finishes
Low and line voltage
1.248

300X Remodelers
3¾" Low and line voltage
1.250



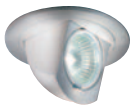
300X Frame-in kits
3¾" Low and line voltage
1.251

300X Cone/baffle trims
4½" Low and line voltage
1.253

300X Slot & pinhole trims
4½" Low and line voltage
1.254

300X Adj. mini-swivel trims
4½" Low and line voltage
1.255

300X Wall washing trims
4½" Low and line voltage
1.257



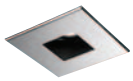
300X Accent trims
4½" Low and line voltage
1.258

300X Basic baffle trims
4½" Low and line voltage
1.259

300X Wet location trims
4½" Low and line voltage
1.260

300X Basic cone trims
4½" Low and line voltage
1.262

300X Decorative trims
4½" Low and line voltage
1.263



300X Square trims
4½" Low and line voltage
1.264

300X Accessories
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1.269

Standard-Grade – Lytecaster

Lytecaster basic

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1.272

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1.276

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Lytecaster frame-in kits
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1.282

3¾" Line voltage trims
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1.285

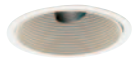
5" Line voltage trims
Lytecaster trims
1.288

6¾" Line voltage trims
Lytecaster trims
1.295

Low voltage housings
Lytecaster frame-in kits
1.309

3¾" Low voltage trims
Lytecaster trims
1.311

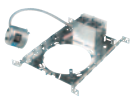
5" Line voltage trims
Lytecaster trims
1.313



6¾" Line voltage trims
Lytecaster trims
1.314

Performance CFL housings
Lytecaster CFL frame-in kits
1.315

Energy Star CFL housings
Lytecaster CFL frame-in kits
1.317



Lytening CFL housings
Lytecaster CFL frame-in kits
1.318

Low profile housings
Lytecaster CFL frame-in kits
1.319

5" CFL Trims
Lytecaster CFL frame-in kits
1.321

6¾" CFL Trims
Lytecaster CFL frame-in kits
1.324

Lytecaster FireLine
Fire rated enclosure
1.331

Lytecaster Lytegems
Decorative accessories
1.333

Accessories
Lytecaster basic
1.334

Track

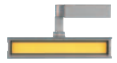
Professional-Grade – Lytespan

Lytespan LED

Small Cylinder
Alcyon LED
2.4

Medium Cylinder
Alcyon LED
2.5

Mini Micro Cylinder
Alcyon LED
2.6



Flood
Alcyon LED
2.7

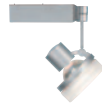
Lytespan low voltage

MR16 Open ring
Alcyon
2.8

MR16 Step spot
Alcyon
2.8

MR16 Cylinder
Alcyon
2.8

MR16 Glass cylinder
Alcyon
2.9



MR16 Glass ring
Alcyon
2.9

MR16 Wall washer
Alcyon
2.9

T4 Micro flood
Alcyon
2.9

Lytespan line voltage

PAR20 Step spot
Alcyon
2.10

PAR30 Step spot
Alcyon
2.10

PAR38 Step spot
Alcyon
2.10

PAR20 Open ring
Alcyon
2.11

PAR30 Open ring
Alcyon
2.11

PAR38 Open ring
Alcyon
2.11

T4 Wall washer
Alcyon
2.11

ProSpec

Cylinder
Line voltage
2.12

Cylinder
Low voltage
2.12

Wall washer
Line voltage
2.14

Rings
Line voltage
2.15

277V
Mini HID
2.17

277V
PowerWash
2.17

277V
Lyteflood
2.17

Track

Specification-Grade – Lytespan

Lytespan LED

Spot LED
Accent
2.20

Lytespan low voltage

PAR36 Enclosed spot
Sof-Tech low voltage
2.21

AR111 Enclosed spot
Sof-Tech low voltage
2.21

MR16 Enclosed spot
Sof-Tech low voltage
2.21

MR16 Open ring
Sof-Tech low voltage
2.21

PowerArc
Low voltage
2.22

Lytespan HID

20W T4 Cylinder
Mini HID
2.24

39W & 70W T4 Cylinder
Mini HID
2.24

39W T6 Cylinder
Mini HID
2.24

70W T6 Cylinder
Mini HID
2.24

20W MR16 Step spot
Mini HID
2.25

39W & 70W PAR Rings
Mini HID
2.25

20W & 39W PAR Step spots
Mini HID
2.25

39W & 70W PAR Step spots
Mini HID
2.25

Wall washers
Mini HID
2.26

Lytespan CFL

T5
PowerWash
2.28

L18
Lyteflood
2.29

L24
Lyteflood
2.29

L40
Lyteflood
2.29

LyteJacks low voltage

Large Cone
Style Jack
2.30

Mini Dome
Style Jack
2.30

Cucumber
Style Jack
2.30

Mini Cone
Style Jack
2.30

Globe
Lytedrop
2.31

Tall Bell
Lytedrop
2.31

Mirrored Globe
Lytedrop
2.31

Swirl
Lytedrop
2.31

Transparent Cylinder
Lytedrop
2.31

MR16 Geostar
Focal Jacks
2.32

Sof-Tech MR16 Ring
Focal Jacks
2.32

Sof-Tech MR16
Focal Jacks
2.32

Track
Power Jack
2.34

Surface
Power Jack
2.34

Remodeler
Power Jack
2.34

Point (above ceiling)
Power Jack
2.35

Point (below ceiling)
Power Jack
2.35

T-bar accessory
Power Jacks
2.35

Track

Specification-Grade – Lytespan

Lytespan line voltage

Metallics
Line voltage
2.36

PAR16 Spots
Sof-Tech line voltage
2.37

PAR20 Spots
Sof-Tech line voltage
2.37

PAR30 Spots
Sof-Tech line voltage
2.37

PAR20 Rings
Sof-Tech line voltage
2.37

PAR30 Rings
Sof-Tech line voltage
2.37

PAR38 rings
Sof-Tech line voltage
2.37

Tangent low & line voltage

Soft cone
Low voltage
2.40

Micro flood
Low voltage
2.40

Mini cylinder
Low voltage
2.40

Open ring
Low voltage
2.40

Bare lamp holder
Low voltage
2.40

Bare lamp holder
Low voltage
2.40

Open ring
Line voltage
2.40

Soft cone
Line voltage
2.40

Suspended mini cylinder
Line voltage
2.41

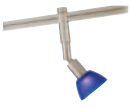
Suspended glass cylinder
Line voltage
2.41

T4 Pendant
Line voltage
2.41

FXPDT
Pendant adapter
2.41

Specification-Grade – Translite

Translite



Basis
Low voltage
2.46

Liana
Low voltage
2.58

Cable
Low voltage
2.66

Twin Rail
Low voltage
2.78

Monopoint
Low voltage
2.86

Transjack
Connector
2.93

Gallery 16
Open back
2.95

Gallery 111
Open back
2.96

Gallery 16
Enclosed
2.97

Gallery 111
Enclosed
2.97

Twirl Small
Louvered pendant
2.100

Luca
Mini glass pendant
2.100

Micro Spot W
Low voltage
2.102

Propulsion
Low voltage
2.102

Moto
2.103

Volare
Low voltage
2.103

Micro Spot R
Low voltage
2.104

Micro Spot R Double
Low voltage
2.104

Track

Specification-Grade – Translite

Translite (continued)

Micro Spot S
Low voltage
2.105

Micro Spot S Double
Low voltage
2.105

Micro Spot E
Low voltage
2.106

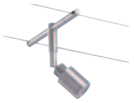
Euro
Low voltage
2.106

Hemilumen
Low voltage
2.107

Flexi Spot
Low voltage
2.107

Basio
Low voltage
2.108

Rotor
Low voltage
2.109



Retro 11
Low voltage
2.109

Retro 16
Low voltage
2.11

Retro 20
Low voltage
2.111

Retro 20d
Low voltage
2.112

Micro Spot D
Low voltage
2.112

Micro Spot G
Low voltage
2.113

Television
Low voltage
2.113

Double Dip
Low voltage
2.114

Super Aria
Low voltage
2.114

Super Sing
Low voltage
2.115

Demilumen
Low voltage
2.115

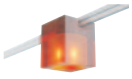
Cadre Medium
Pendant
2.117

Tamour Medium
Pendant
2.118

Prisma
Pendant
2.118

Mini Norton
Pendant
2.119

Mini Solmon
Pendant
2.119



Crystal Cube
Track
2.120

Crystal Cube
Pendant
2.120

Miwok
Pendant
2.121

Napa
Pendant
2.121

Patwin
Pendant
2.122

Pomo
Pendant
2.122

Suisun
Pendant
2.123

Wintu
Pendant
2.123

Retro Glass
Pendant
2.125

Retro Glass
Track
2.125

Mini Silo
Pendant
2.126

Mini Cereus
Pendant
2.126

Mini Patrik
Pendant
2.127

Pippa LED
Pendant
2.127

Track

Standard-Grade – Lytespan

Lytespan low voltage

MR16 Shallow ring
Miniforms
2.136

MR16 Mini cylinder
Miniforms
2.136

PAR36
Dramalux
2.136

MR16 Vertical
Geostar
2.137

Geostar
Geostar
2.137

MR16 Cylinder
Traditional
2.137

Lytespan line voltage

PAR20 Bezel shade
Par-Tech
2.139

PAR30 Bezel shade
Par-Tech
2.139

PAR38 Bezel shade
Par-Tech
2.139

PAR16 Cone shade
Par-Tech
2.139

PAR20 Cone shade
Par-Tech
2.139

PAR30 Cone shade
Par-Tech
2.139

PAR16 Cylinder shade
Par-Tech
2.139

PAR20 Cylinder shade
Par-Tech
2.139

PAR30 Cylinder shade
Par-Tech
2.139

PAR20 Ring shade
Par-Tech
2.139

PAR30 Ring shade
Par-Tech
2.139

PAR38 Ring shade
Par-Tech
2.139

PAR16 Bezel shade
Hinged Par-Tech
2.140

PAR20 Bezel shade
Hinged Par-Tech
2.140

PAR30 Bezel shade
Hinged Par-Tech
2.140

PAR38 Bezel shade
Hinged Par-Tech
2.140

PAR20 Mesh shade
Hinged Par-Tech
2.140

PAR30 Mesh shade
Hinged Par-Tech
2.140

PAR16 Cone shade
Hinged Par-Tech
2.141

PAR20 Cone shade
Hinged Par-Tech
2.141

PAR30 Cone shade
Hinged Par-Tech
2.141

PAR16 Cylinder shade
Hinged Par-Tech
2.141

PAR20 Cylinder shade
Hinged Par-Tech
2.141

PAR30 Cylinder shade
Hinged Par-Tech
2.141

PAR20 Ring shade
Hinged Par-Tech
2.141

PAR30 Ring shade
Hinged Par-Tech
2.141

PAR38 Ring Shade
Hinged Par-Tech
2.141

Lasso 20
Lasso
2.142

Lasso 30
Lasso
2.142

Lasso 38
Lasso
2.142

PAR38
Dramalux
2.143

Wall washer
Dramalux
2.143

Basic cylinder
Traditionals
2.144

Roundback
Traditionals
2.144

Step cylinder
Traditionals
2.144

Universal housing
Traditionals
2.145

Track

Standard-Grade – Lytespan

Lytespan line voltage (continued)

Mini Universal
Traditionals
2.145

Mini Swivel
Traditionals
2.145

Basic PAR30 Ring
Traditionals
2.145

Basic PAR38 Ring
Traditionals
2.145

PAR20 Ring
Traditionals
2.145

PAR30 Ring
Traditionals
2.145

PAR38 Ring
Traditionals
2.145

Wall washer accessory
Traditionals
2.145

Lytespan Radius, Basic and Advent

Radius
Track
2.149

Basic
Track
2.149

Advent
Track
2.149

PowerTrip
Current limiting device
2.162

Accessories
Lytespan
2.164

Surface mount track
ProSpec
2.166

Connectors/accessories
ProSpec
2.168

Recessed track
ProSpec
2.170

Recessed flangeless track
ProSpec
2.172

PowerTrip
Current limiting device
2.174

Architectural feature lighting

Specification-Grade – Ardee

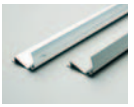
Ardee, decorative & linear recessed

Clikstrip
Remote transformer
3.4

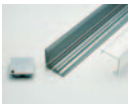
Clikstrip
Micro-watt LED
3.10

Clikstrip
Lamp accessories
3.14

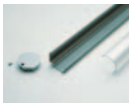
TW Series transformers
Low voltage power supplies
3.18



Clikstrip +Plus
Extrusions, reflectors, covers
3.24



Clikstrip +Plus
LE Series
3.24

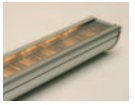


Clikstrip +Plus
AE Series
3.27

Clikstrip +Plus
EE Series
3.28

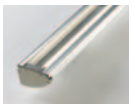
Clikstrip +Plus
PR Series
3.29

CLM Series
Clikstrip wet location
3.30



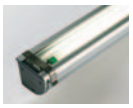
CLM Series
Clikstrip wet location
3.31

CLM Series
Clikstrip wet location
3.33



105 Series
Fluorescent wet location
3.36

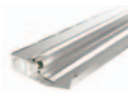
110 Series
Fluorescent wet location
3.39



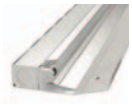
115 Series
Fluorescent wet location
3.42

Arc Series
T4 Metal halide wet location
3.44

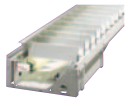
Cove
LED Luminaire
3.45



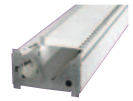
CoveLite
T8 Fluorescent
3.46



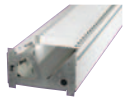
CoveLite
T5 or T5HO Fluorescent
3.47



PTS7
Perimeter trough system
3.48



PTS5
T5 Perimeter trough system
3.50



PTS8
T8 Perimeter trough system
3.51

Linear recessed and surface lighting

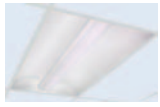
Professional-Grade

Recessed soft lighting

Opalescent
LED 2'× 2'
4.5

Skyway
LED 2'× 2'
4.6

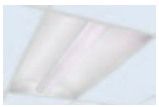
SpecPlus
LED 2'× 2'
4.7



HP90
T5 2'×4'
4.10

HP90
T5 2'×2'
4.11

HP90
T5 1'×4'
4.12



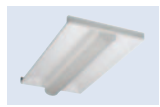
HP90
T8 2'×4'
4.13

HP90
T8 2'×2'
4.14

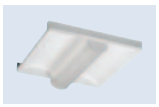
HP90
T8 1'×4'
4.15

HP90 Air
2'×4'
4.16

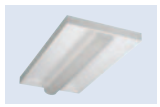
HP90 Air
2'×2'
4.17



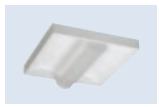
HP90 Semi recessed
2'×4'
4.18



HP90 Semi recessed
2'×2'
4.18



HP90 Surface-mounted
2'×4'
4.19



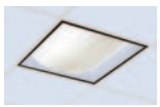
HP90 Surface-mounted
2'×2'
4.19

Paraplus II
2'×4'
4.20

Paraplus II
2'×2'
4.21

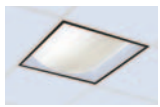
Paraplus II
1'×4'
4.22

Opalescent
T5 2'×4'
4.25

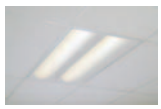


Opalescent
T5 2'×2'
4.26

Opalescent
T8 2'×4'
4.27

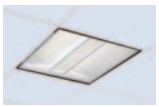


Opalescent
T8 2'×2'
4.28



Opalescent Twin
2'×4' & 2'×2'
4.29

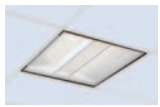
Skyway
T5 2'×4'
4.30



Skyway
T5 2'×2'
4.31

Skyway
T5 1'×4'
4.32

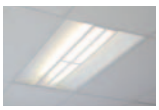
Skyway
T8 2'×4'
4.33



Skyway
T8 2'×2'
4.34

Skyway
T8 1'×4'
4.35

Aletta Louver Shield
T8 & T5 2'×4' & 2'×2'
4.36



Aletta Panel Shield
T8 & T5 2'×4' & 2'×2'
4.37

Alter High Efficiency
2'×4'
4.38

Alter High Efficiency
2'×2'
4.39

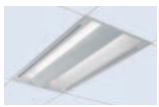
Alter High Efficiency
1'×4'
4.40

Alter Classic
2'×4'
4.41

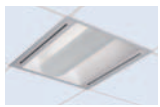
Alter Classic
2'×2'
4.42

Alter Classic
1'×4'
4.43

Alter Classic
20"×48" & 500mm × 48"
4.44



Alter Classic Air
2'×4'
4.45



Alter Classic Air
2'×2'
4.45

Alter Classic Wall
9"×12", 9"×24" & 9"×48"
4.46

Alter Wal-Lyter
1'×2' & 1'×4'
4.47

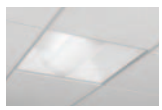
Alter Louver
2'×4' & 2'×2'
4.48

Alter Louver
1'×4'
4.49

Alter Metalyte
2'×4' & 2'×2'
4.50

Alter Metalyte Louver
2'×4' & 2'×2'
4.51

Alter OPL
2'×4'
4.52



Alter OPL
2'×2'
4.53

Linear recessed and surface lighting

Professional-Grade

Recessed soft lighting (continued)

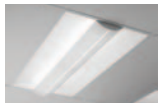
Alter Waves
2'×4' & 2'×2'
4.54

Alter Dome
2'×2'
4.55

Alter Windows
2'×2'
4.56

Alter Windows Wall
13½"×13½"
4.57

Alter TileLyte
2'×2'
4.58



Alter Slim Semi-Recessed
2'×4'
4.60

Alter Slim Semi-Recessed
2'×2'
4.60

Alter Slim Semi-Recessed
1'×4'
4.61

Alter Slim Surface
2'×4' & 2'×2'
4.62

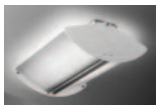
Alter Slim Square
2'×2'
4.63

Alter Concept Elegance Perf.
2'×4', 2'×2' & 1'×4'
4.66

Alter Concept Elegance Lens
2'×4', 2'×2' & 1'×4'
4.67

Alter Concept Elegance Glass
2'×4'
4.68

Alter Concept Elegance Glass
2'×2'
4.68



Alter Elegance Wall
9"×12" & 9"×24"
4.69

Alter Concept SR T5
2'×4'
4.70

Alter Concept SR T5
2'×2'
4.70

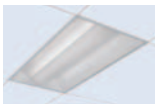
Alter Concept SR T8
2'×4'
4.71

Alter Concept SR T8
2'×2'
4.71

Options & Accessories
Alter
4.72

Specification-Grade

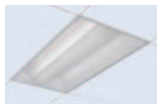
Recessed soft lighting



Coffaire HP
2'×4'
4.74

Coffaire HP
2'×2'
4.75

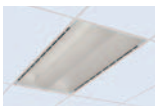
Coffaire HP
1'×4'
4.76



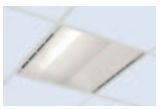
Coffaire II
2'×4'
4.77

Coffaire II
2'×2'
4.78

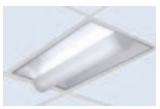
Coffaire
1'×4'
4.79



Coffaire II Air
2'×4'
4.80

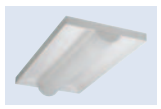


Coffaire II Air
2'×2'
4.81

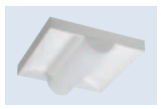


Coffaire Drop Basket
2'×4'
4.82

Coffaire Drop Basket
2'×2'
4.83



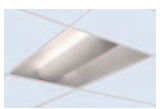
Coffaire Drop Basket
2'×4'
4.84



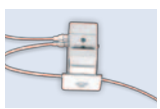
Coffaire Drop Basket
2'×2'
4.85

Coffaire SQ
2'×2'
4.86

Coffaire
Dust/insect shield D
4.87



Coffaire
Dust guard G
4.87



DL
Daylighting system
4.88

Linear recessed and surface lighting

Professional-Grade

Recessed & wall washing

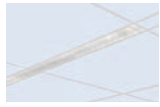
Lytecel 6 Lens LED
6"×48"
4.94

Lytecel 6 Lens
6"×48"
4.95

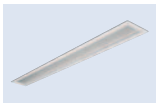
Lytecel 6 Individual T5
6"×48"
4.96

Lytecel 6 Individual T8
6"×48"
4.97

Lytecel 6 Continuous T5
6"×48"
4.98

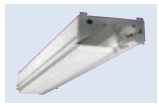


Lytecel 6 Continuous T8
6"×48"
4.99

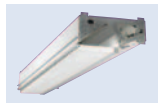


CTS3
2', 4' & 8'
4.100

PTS7
2', 3', 4', 5' & 7'
4.102

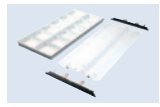


PTS5
2', 3', 4', 6' & 8'
4.104

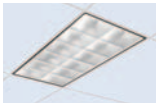


PTS8
2', 3', 4', 6' & 8'
4.105

GO2
2'×4', 2'×2' & 1'×4'
4.106



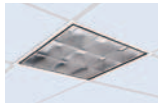
GO2 Retro
2'×4' & 2'×2'
4.108



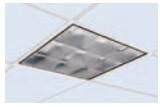
Vision Smart
2'×4' (12 cell)
4.110

Vision Smart
2'×4' (18 cell)
4.111

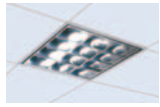
Vision Smart
2'×2' (16 cell)
4.112



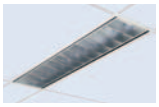
Vision Smart
2'×2' (9 cell)
4.113



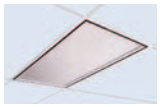
Vision Smart
2'×2' (9 & 16 cell)
4.114



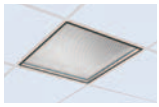
Vision Smart
2'×2' (9 & 12 cell)
4.115



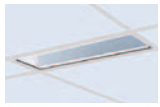
Vision Smart
1'×4' (8 & 12 cell)
4.116



Prismalyte Plus
2'×4'
4.222



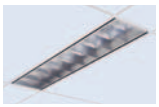
Prismalyte Plus
2'×2' & 1'×4'
4.123



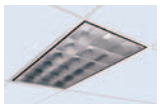
Wal-Lyter High Perf.
2'& 4'
4.132

Specification-Grade

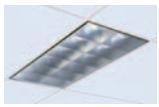
Recessed & wall washing



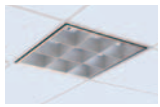
Stacklyte
1'×4' (8 & 12 cell)
4.118



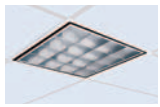
Deepcel Plus
2'×4' (18 & 24 cell)
4.118



Deepcel Plus
2'×4' (12 & 32 cell)
4.119

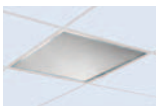


Deepcel Plus
2'×2' (9 & 12 cell)
4.120



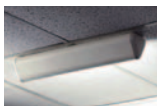
Deepcel Plus
2'×2' (9, 12 & 16 cell)
4.121

Specplus
2'×4'
4.124



Specplus
2'×2' & 1'×4'
4.125

Walmaster
2'& 4'
4.133



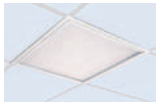
Bi-lyter
2'& 4'
4.134

Linear recessed and surface lighting

Standard-Grade

Recessed & wall washing

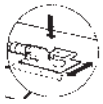
XP Series
2'×4'
4.126



XP/XA Series
2'×2' & 1'×4'
4.127

FRX
2'×2'
4.128

Options & accessories
Recessed & wall washing
4.130



M/S Interties
Recessed & wall washing
4.131

Specification-Grade

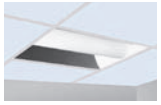
Medical luminaires

Hospital
Patient room lighting
4.136

MD*4 Series
2'×4'
4.138

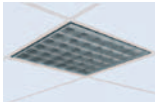
MD*2 Series
2'×2'
4.139

MD* Coffer
2'×4'
4.140



MD* Coffer
2'×2'
4.141

MD*A
6"×48"
4.142



MD*4
2'×2'
4.144

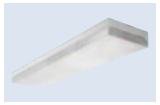
OBL Series
48"
4.144

SUS 432/632
2'×4'
4.145

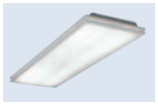
Architectural & surface utility

Stairwell
24" & 48"
4.149

Celebrity Universal
7⅝"× 25½" & 49½"
4.150

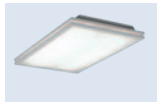


Celebrity Surface
12"×49⅜"
4.152

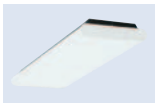


Belmont Spill Frame
2'×4'
4.153

Belmont Spill Frame
1'×4'
4.153



Belmont Spill Frame
2'×2'
4.154



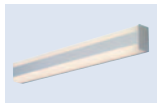
Belmont I
2'×4' & 1'×4'
4.155

Belmont II
2'×4' & 1'×4'
4.155

Belmont Cloud
2'×4' & 1'×4'
4.156

Belmont Cloud
6"× 24", 36" & 48"
4.156

Vanity Light
4¾"× 24", 36" & 48"
4.157



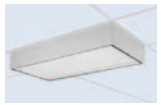
Dorm Lyte
6⅛"×48"
4.158

Dominaire Surface
48¾" & 49⁹⁄₁₆"
4.159

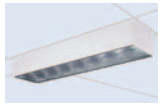
LWBU Universal
7⅝"× 25½", 37½" & 49½"
4.160

LSW
6"× 23¹⁵⁄₁₆" & 47¹⁵⁄₁₆
4.161

Deepcel Surface
2'×4' & 2'×2'
4.162



Prismalyte Surface
2'×4', 2'×2' & 1'×4'
4.163



Vision Smart Surface
1'× 4'
4.164

Linear recessed and surface lighting

Standard-Grade

Architectural & surface utility

SLB
2' x 4', 2' x 2' & 1' x 4'
4.165

Jet Star Lens
24", 48" & 96"
4.166

Jet Star Corridor Lens
24", 48" & 96"
4.166

Specification-Grade

Task lighting

Pristine
22"
4.168

Taskmaster I
12", 21", 24", 33" & 42"
4.169

Taskmaster II
18", 24", 36" & 48"
4.169

Taskmaster Solid Front T8
24", 36" & 48"
4.170

Taskmaster Solid Front T5
24", 36" & 48"
4.171

Professional-Grade

Special purpose & industrial

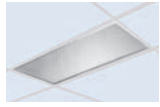
TriLyte Narrow
17"x48"
4.176

TriLyte Wide
23"x48"
4.178

Smart TriLyte
17"x48" & 23"x48"
4.180

TriLyte Nordik
17" x 49⅜" & 23" x 49⅜"
4.182

Gymlyter
17"x48"
4.184



Cleanguard Class CleanRoom
2' x 4' & 2' x 2'
4.186

Hazardline
9¾"x53'
4.188

Sealatron
24", 46", 48" & 96"
4.190

Sealatron IP Low Profile
28", 52" & 100"
4.191

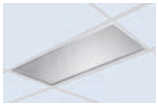
Linear recessed and surface lighting

Specification-Grade

Special purpose & industrial

Cleanguard Wet Location
2' x 4', 2' x 2' & 1' x 4'
4.192

Cleanlite
8 3/16" x 50 5/16"
4.153

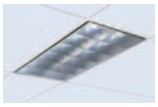


Guardsman Vandal Resistant
2' x 4', 2' x 2' & 1' x 4'
4.194

Guardsman Vandal Resistant
2' x 4', 2' x 2' & 1' x 4'
4.195

Guardsman Vandal Resistant
48" & 96"
4.196

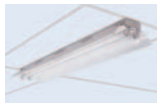
Guardsman Vandal Resistant
48" & 96"
4.197



IC Series
2'x 4' & 2'x 2'
4.198

IC Series
2'x 4' & 2'x 2'
4.198

TU Turret Industrial
48" & 96"
4.200



KD/KW Industrial
48" & 96"
4.201

General utility

SV5 Louver and Lens Series
46"
4.205

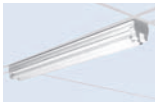
T5 Strip Series
22", 34", 46", 92"
4.206

T5 Side-Mount Strip Series
26", 38", 50"
4.206

T5 Staggered Strip Series
26", 38", 50"
4.207

Symmetric Reflector
2', 3', 4'
4.208

Asymmetric Reflector
2', 3', 4'
4.209



SD Deep Strip
48" & 96"
4.210

SS Staggered Strip
24", 36" & 48"
4.211

SM Side Mount Strip
24", 36" & 48"
4.211

Standard-Grade

General utility

SN Strip
18", 24", 36" & 48"
4.212

SW Strip
24", 36", 48", 72" & 96"
4.208

Catalog numbering logic
Alter, Coffaire, Parabolic & Lens
4.214

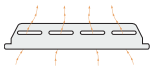
Surface/wall
Options & accessories
4.216

Industrial
Options & accessories
4.217

Drywall kit
Accessory
4.218

The ULM Module
Accessory
4.219

Ballast Code Options
T5, T8 & twin tube T5
4.220



Air Handling Data
2'x 4', 2'x 2' & 1'x 4'
4.222

Suspended and wall mounted lighting

Professional-Grade

Agili-T

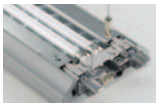
AGS
Agili-T
5.9

AGL, AGO
Agili-T
5.10

AGM
Agili-T
5.11

Neo Louver
Agili-T
5.14

Neo Lens
Agili-T
5.15



Neo System
Agili-T
5.16

Coplanar System Louver
Agili-T
5.17

Coplanar System Lens
Agili-T
5.18

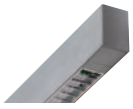
Coplanar System
Agili-T
5.19

MicroSquare

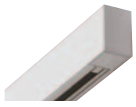
Direct Lens
MicroSquare
5.20

Direct Louver
MicroSquare
5.22

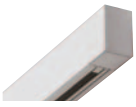
Direct/Indirect Lens
MicroSquare
5.24



Direct/Indirect Louver
MicroSquare
5.25



Indirect
MicroSquare
5.26



Indirect/Track
MicroSquare
5.27

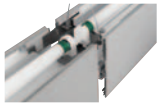
H-Profile

Recessed
H-Profile
5.28

Pendant
H-Profile
5.29

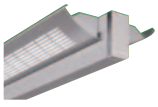
Wall Mount
H-Profile
5.33

Surface Mount
H-Profile
5.34



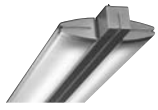
Features and Accessories
H-Profile
5.37

Silhouette

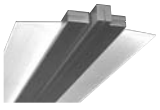


SD Series
Silhouette
5.40

SF Series
Silhouette
5.41



76 Series
Silhouette
5.42

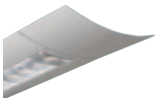


77 Series
Silhouette
5.43

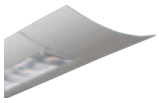
Suspended and wall mounted lighting

Specification-Grade

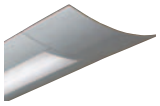
Energos



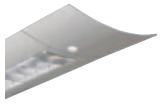
Louvered T8 & T5
Energos direct/indirect
5.46



Louvered T8 & T5
Energos direct/indirect
5.48



Lensed T8 & T5
Energos direct/indirect
5.50



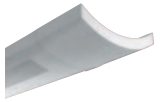
Control System
Energos
5.53

LyteSpread

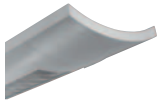
Curved White Louver
LyteSpread
5.56

Curved Silver Louver
LyteSpread
5.58

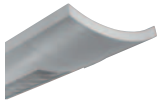
Curve Round Slot Perforated
LyteSpread
5.60



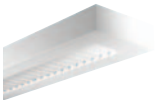
Curve Solid Housing
LyteSpread
5.62



Curved White Louver
LyteSpread
5.64



Curved Silver Louver
LyteSpread
5.65



9" White Louver
LyteSpread
5.66

9" Semi-Specular Louver
LyteSpread
5.68

9" Specular Louver
LyteSpread
5.69

9" Semi-Spec VDT Louver
LyteSpread
5.72

9" Specular VDT Louver
LyteSpread
5.74

Elliptical White Louver
LyteSpread
5.76

Elliptical Semi-Spec Louver
LyteSpread
5.78

Elliptical Specular Louver
LyteSpread
5.80

Ellip. Semi-Spec VDT Louver
LyteSpread
5.82

Elliptical Spec VDT Louver
LyteSpread
5.84

RT6

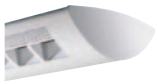
RT6
Curved Lens and Baffle
5.88

Suspended and wall mounted lighting

Standard-Grade

Baselyte

2 Light T8
Baselyte
5.92

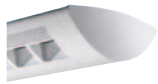


3 Light T8
Baselyte
5.94

4 Light T8
Baselyte
5.96

1 Light T5HO
Baselyte
5.98

2 Light T5HO
Baselyte
5.100



3 Light T5HO
Baselyte
5.102

4 Light T5HO
Baselyte
5.104

1 Light T5HO Wall
Baselyte
5.106

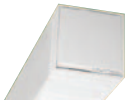
1 Light T8 Wall
Baselyte
5.108

2 Light T8 Wall
Baselyte
5.110

SQ6

Pendant or wall mounted
SQ6
5.112

Assymetric wall mounted
SQ6
5.114



Surface mounted
SQ6
5.115

Recessed drywall
SQ6
5.116

Eye-Q

For schools, offices, stores
Eye-Q
5.118

Linear prismatic lens
Eye-QL
5.119

Open LowBay
Eye-QLB
5.119

Louver LowBay
Eye-QLB
5.120

Lens LowBay
Eye-QLB
5.121

Decorative lighting

Architectural decorative

Corridor
LED Luminaire
6.3

PM Series
Vetro pendants
6.4

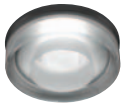
PS Series
Vetro pendants
6.6

PW Series
Vetro ADA wall sconce
6.7

PS Series
Vetro pendants
6.8

PS Series
Vetro pendants
6.9

D01 Series
Vetro downlights
6.11



D02 Series
Vetro downlights
6.12

D03 Series
Vetro downlights
6.13

D13 Series
Vetro downlights
6.14

D04 Series
Vetro downlights
6.15

D14 Series
Vetro downlights
6.16

RR Series
Optimo round
6.19

RT Series
Optimo round taper
6.20

RC Series
Optimo round curve
6.21

SR Series
Optimo square
6.22

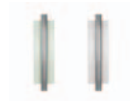
ST Series
Optimo square taper
6.23

CSR Series
Optimo curved square
6.24

Bow series
Brisa surface mounted
6.27

Curved series
Brisa surface mounted
6.28

Planar series
Brisa surface mounted
6.29



T5 Series
Soli surface mounted
6.30

Wall sconce & continuum
Soli surface mounted
6.31

Zontio series
Soli pendant
6.32

Atria series
Soli pendant
6.33

Floating Paper
Spectral
6.34

Floating Paper
Spectral
6.35

Ultra Slimlite sconce
Translite sconce
6.36

Inno
T4.5 Metal halide
6.38

Expo
T4.5 Metal halide
6.39

Transitional

6 ½" Performance
Pendalyte
6.41

9" Performance
Pendalyte
6.42

12" Performance
Pendalyte
6.44

12"
Pendalyte
6.46

16"
Pendalyte
6.49

Decorative lighting

Contemporary

Palomar 1
Translite sconce
6.53

Palomar 2
Translite sconce
6.54

Palomar 3
Translite sconce
6.55

Palomar 4
Translite sconce
6.56

Palomar 5
Translite sconce
6.57

Pippa LED
Translite sconce
6.58

Cereus
Translite sconce
6.59

Atcha
Translite sconce
6.59

Mini Patrik
Translite sconce
6.60

Patrik
Translite sconce
6.60

Wintin
Translite sconce
6.61

Silo
Translite sconce
6.61

Mini Cereus
Translite pendant
6.63

Cereus
Translite pendant
6.63

Cadre Tall
Translite pendant
6.64

Circa
Translite pendant
6.64

Pippa
Translite pendant
6.65

Crystal Cube
Translite pendant
6.65

Osmos
Translite pendant
6.66

Osmos
Translite pendant
6.66

Norton
Translite pendant
6.67

Solmon
Translite pendant
6.67

Mini Patrik
Translite pendant
6.68

Patrik
Translite pendant
6.68

Patrik
Translite pendant
6.69

Patrik
Translite pendant
6.69

Wintin
Translite pendant
6.70

Wintin
Translite pendant
6.70

Wintin
Translite pendant
6.71

Mini Silo
Translite pendant
6.71

Silo
Translite pendant
6.72

Silo
Translite pendant
6.72

Silo
Translite pendant
6.73

Super Silo
Translite pendant
6.73

Super Silo
Translite pendant
6.74

Atcha
Translite pendant
6.74

Atcha
Translite pendant
6.75

Atcha
Translite pendant
6.75

Luminosities
Wall mounted ADA
6.78

Decorative lighting

Traditional

Cirrus
Pendalux
6.80

Gemini
Pendalux
6.81

Contemporary
Pendalux
6.82

Traditional
Pendalux
6.83

Alabaster
Indirect pendants
6.84

Etched Glass
Indirect pendants
6.84

Spill Ring
Surface utility
6.85

Lumidome Basic
Surface utility
6.85

Lumidome Contemporary
Surface utility
6.85

Lumidome Traditional
Surface utility
6.85

Basic

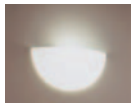
BowShield
Wall mounted ADA
6.86

BowShield
Wall mounted ADA
6.86

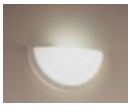
Opalux
Wall mounted indirect
6.87

Quartersphere
Wall mounted indirect
6.87

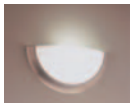
Wall Sculpture
Wall mounted indirect
6.87



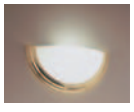
Cirrus ADA Sconce
Wall mounted indirect
6.87



Gemini sconce
Wall mounted indirect
6.87



Contemporary sconce
Wall mounted indirect
6.87



Traditional sconce
Wall mounted indirect
6.87

Opalite
Surface utility
6.88

Discus
Surface utility
6.88

Discus II
Surface utility
6.88

Triplex
Surface utility
6.89

Lumidrum
Surface utility
6.89

Lumidisc
Surface utility
6.89

Lumiquad
Surface utility
6.96

Lumironde
Surface utility
6.89

Opaline
Surface utility
6.89

Opaline trim rings
Surface utility
6.89

Lumironde
Wall mounted ADA
6.90

Luna
Wall mounted ADA
6.90

Lumironde
Wall mounted ADA
6.90

Lumiquad
Wall mounted ADA
6.90

Opalite
Wall mounted ADA
6.91

Quadro
Wall mounted ADA
6.91

Alabaster
Wall mounted ADA
6.91

Lytestream Fluorescent
Bath
6.92

Helios
Bath
6.92

Belmont
Bath
6.92

Deco
Bath
6.92

Rounder
Bath
6.93

Arch Mini Bracelet
Bath
6.93

Milan Mini Bracelet
Bath
6.93

Baguet Mini Bracelet
Bath
6.93

Decorative lighting

Wet location

Round
LED Marker lights
6.94

Pattern
LED Marker lights
6.94

Linear
LED Marker lights
6.94

Square
LED Marker lights
6.94

Shielded
LED Step lights
6.95

Round
LED Step lights
6.95

Linear
LED Step lights
6.94

Arco Round
Indoor/outdoor wall
6.96

Lumironde
Indoor/outdoor wall
6.96

Lumironde
Indoor/outdoor wall
6.96

Lumiquad
Indoor/outdoor wall
6.96

Lumiquad
Indoor/outdoor wall
6.96

Opalex
Indoor/outdoor wall
6.97

Bristol
Indoor/outdoor wall
6.97

Bristol
Indoor/outdoor wall
6.97

Bristol
Indoor/outdoor wall
6.97

Lumilyte
Indoor/outdoor wall
6.97

Lumicap
Indoor/outdoor wall
6.97

EFX1
Outdoor/indoor
6.98

EFX2
Outdoor/indoor
6.98

EFX3
Outdoor/indoor
6.99

EFX4
Outdoor/indoor
6.99

Local area task and display

Task lighting

Pristine
T2 Task lighting
7.2

Lytegem
Incandescent
7.4

Halley
LED Portable task light
7.4

Magnetic track
LED Undercabinet lighting
7.5

LLP
LED Undercabinet lighting
7.6

MIC100
LED Undercabinet lighting
7.8

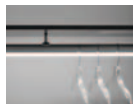
ADJ100
LED Undercabinet lighting
7.9

Ultra Slimlite series
Fluorescent
7.10

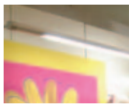
LuxBar
Fluorescent & LED
7.18

LuxBar shelf light
U-Shaped LED elements
7.20

LuxBar closet rod
U-Shaped LED elements
7.24



LuxBar closet rod
Round shaped LED elements
7.28



LuxBar display light
U-shaped LED elements
7.32

LuxBar display light
Round shaped LED elements
7.38

Taskmaster I & II
Under shelf luminaires
7.42

Taskmaster solid front
Undershelf luminaire
7.44

Low voltage power supplies
Low voltage power supplies
7.46

Exit and emergency lighting

Exit signs

DX2 Outlook
Die cast exit
8.4

EX2 Outlook
Edge-lit exit
8.5

TX2 Outlook
Thermoplastic exit
8.5

LG
LG Series edge-lit exit
8.7

LGS
LGS Series signage
8.8

LD2
LD2 Series die cast exit
8.9

LWL2
Wet location exit
8.10

TE
Self-luminous exit
8.11

LR
Fully recessed exit
8.12

LS
Institutional duty exit
8.13

LT
Thermoplastic exit
8.14

LC
Thermoplastic combo exit
8.15

LDR
Die cast exit
8.16

LDS
Die cast exit
8.17

LL
Thermoplastic exit
8.18

LLC II
Thermoplastic combo exit
8.19

LU
Edge-lit exit
8.20

LX
Steel exit & combo
8.21

MJ5
Chicago Steel exit
8.22

MJ6
LED Chicago Steel exit
8.23

MJ8
LED Chicago edge-lit exit
8.24

SD2
Diagnostics & testing electronics
8.25

Commercial

Surf ceiling
LED Ceiling mount
8.28

Solution
Recessed unit
8.29

Solution2
Recessed unit
8.30

LPH
LED Horizontal steplight
8.31

LP
LED Vertical steplight
8.32

LP Bollard
LED Bollard series
8.33

Harmony
LED Wallpack
8.34

Surf Wall
LED Low-level wall mount
8.35

Radiante
Architectural LED egress
8.36

RDNO
Radiante Normal AC
8.37

EL Outlook
Emergency light
8.38

EN
Emergency lighting
8.39

LVL
Damp/wet location
8.40

COL
Outdoor lighting
8.41

ES
Steel unit
8.42

ES
Steel unit
8.43

FBP
Linear battery packs
8.44

FBP
Low profile battery packs
8.45

E3
Thermoplastic units
8.46

E6
Thermoplastic units
8.47

E7
Thermoplastic units
8.48

E8
Thermoplastic units
8.49

C1
Recessed unit
8.50

C2
Recessed unit
8.51

Exit and emergency lighting

Exit signs

C3
Power module
8.52

D
Exterior fixtures
8.53

DEG
Recessed units
8.54

S1
Self-contained units
8.55

MJ
Chicago gimbal unit
8.56

MJ1
Chicago steel unit
8.57

MJ2
Chicago steel unit
8.58

MJ3
Chicago steel unit
8.59

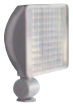
MJ4
Chicago steel unit
8.59

LVL Remote
Wet location/remote fixture
8.60

Solution remote
Remote units
8.60

ER
Remote units
8.61

Round head
Remote lamp heads
8.62



Rectangular head
Remote lamp heads
8.62

Metal chrome sealed beam
Remote lamp heads
8.62

Industrial sealed beam
Remote lamp heads
8.62

Mounting plates
For remote lamp heads
8.63

Remote heads
Indoor/outdoor
8.64

Accessories
For exits and units
8.65

Chicago accessories
Remote lighting heads
8.66

SD2
Diagnostics & testing electronics
8.68

Industrial/hazardous

HE
Hazardous location units
8.72

IE
Hostile environment
8.73

HX
Hazardous environment
8.74

ES
Steel unit
8.75

WE
Wet location units
8.76

WX
Wet location exit/combo
8.77

F
Hazardous location fixtures
8.78

DE
Remote hazardous fixtures
8.79

HS
Hazardous location fixtures
8.80

EX
Explosion-proof LED exit sign
8.80

HC
Hazardous location units
8.81

AC emergency lighting systems

LL2
Uninterruptible power
8.84

MEPEM
Three phase UPS
8.85

LOT
Uninterruptible power
8.86

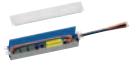
LOT
Single phase UPS
8.87

LMI
Mini-inverter
8.88

LMI
Mini-inverter
8.89

LUPS
Uninterruptible power
8.90

LM
Interruptible power
8.91



LPTC
Generator transfer device
8.92

LPTC20
Relay transfer device
8.92

LTC
Low voltage transfer circuit
8.93

Dimming and controls

Architectural controls

Dynalite
Distributed networked systems
9.9

Optio dimming panels
Panel systems and cabinet
9.12

Optio dimming panels
Panel systems and cabinet
9.12

Capio Plus
Dimmer rack
9.13

Intelligent Raceway
IGBT Dimming technology
9.13

IPS Dimmer Strip & Bak Pak
Portable IGBT dimming tech.
9.14

Bak Pak dimmer
IGBT Dimming technology
9.14

Lyteswitch
Scalable panel systems
9.15

Lytemode architectural
Control systems
9.16

Lytemode DMX
Control systems
9.17

Wallbox dimmers and networked devices

Compli Scenist
Dimming system
9.22

Control accessories
Dimming system
9.23

MultiSet Pro
Dimming system
9.24

MultiSet Pro
Dimming system
9.25

Momentum
Preset slide dimmer
9.26

Vega
Slide to off dimmers
9.27

Onset
Preset digital dimmer
9.28

Screwless faceplates
Screwless faceplates
9.29

Mark 10 & 7
Dimmable ballasts
9.36

EssentiaLine & ROVR
Dimmable ballasts
9.37

Energy management

IntelliSight
Occupancy sensors
9.42

OccuSwitch wireless
Occupancy sensors
9.43

OccuSwitch
Wired occupancy sensors
9.44

OccuSwitch
Wired occupancy sensors
9.45

Industrial

Architectural decorative

Mini angle & glass shade
KaleidoShade2
10.3

Shallow & deep angle shades
KaleidoShade2
10.3

Shallow conical & fluted
KaleidoShade2
10.3

Shallow & deep dome
KaleidoShade2
10.3

Deep & uplight deep bowl
KaleidoShade2
10.3

Wall/post-top
KaleidoShade2
10.4

Ceiling mount
KaleidoShade2
10.5

Mounting options
KaleidoShade2
10.6

Mounting options
KaleidoShade2
10.6

Mounting options
KaleidoShade2
10.6

Accessories
KaleidoShade2
10.6

Color combinations
KaleidoShade2
10.7

Color selections
KaleidoShade2
10.7

Linear fluorescent
KaleidoShade2
10.8

Color combinations
KaleidoShade2
10.9

9" & 12" Revolution series
Decorative
10.10

16" & 22" Revolution series
Decorative
10.11

Indirect lighting

Indirector Ellipse
Indirect lighting
10.12

Indirector Ellipse
Indirect lighting
10.13

Indirector Sharpe
Indirect lighting
10.14

Indirector Sharpe
Indirect lighting
10.15

Commercial/retail

Tribute
Lumastar series 16" & 25"
10.16

Nemeter
Lumastar series 16" & 25"
10.16

Sculptor
Lumastar series 16" & 25"
10.16

Zenos
Lumastar series 16" & 25"
10.16

Tribute
Lumastar IB series 16" &25"
10.18

Nemeter
Lumastar IB series 16" & 25"
10.18

Sculptor
Lumastar IB series 16" & 25"
10.18

Zenos
Lumastar IB series 16" & 25"
10.18

Tribute
Lumastar EB series 16"
10.20

Nemeter
Lumastar EB series 16"
10.20

Sculptor
Lumastar EB series 16"
10.20

Zenos
Lumastar EB series 16"
10.20

Mini High-Bay 14"
Constar
10.21

Mini Soft-Bay 16"
Constar
10.21

12" Acrylic prismatic
Constar EB series
10.22

16" Acrylic prismatic
Constar EB series
10.22

12" Aluminum reflector
Constar EB series
10.22

16" Aluminum reflector
Constar EB series
10.22

22"
Constar II series
10.23

25"
Constar V series
10.23

12"
Constar I series
10.24

16"
Constar VI series
10.24

14", 17" & 20"
Solstice series
10.25

12", 16" & 22"
Solstice series
10.26

Industrial

Commercial/retail (continued)

24"
Revealer series
10.27

Pendant
Kaleidoscope series
10.28

Wall
Kaleidoscope series
10.29

Surface
Kaleidoscope series
10.30

11 ½ & 13¾
Kaleidoshade series
10.31

15", 19½ & 20½
Kaleidoshade series
10.32

Industrial Lighting

BayLyter series LED
10.34

BayLyter low-bay series
induction
10.35

BayLyter low-bay series
induction LBI
10.35

Sportlite TDX
10.36

FluorLyter FB
10.37

FluorLyter FL
10.38

WeT-Bay
10.38

SmarT-Bay
10.39

BayLyter EconoBay series
10.40

BayLyter series
10.41

BayLyter LowBay series
10.42

BayLyterGymBay series
10.42

BayLyter SoftBay series
10.43

Performer series PFHB
10.44

Performer series PFLB
10.45

Performer series PFAHB
10.46

Performer series PFCB
10.47

Performer series PFCB-E
10.48

Performer Series PFMG
10.49

Performer series PFGHB
10.50

Performer series PFVA
10.51

WL series
10.52

LB3 series
10.53

ILXHHB series
10.54

ILX-E series
10.55

ILXD series
10.56

IL & LB series
10.57

ILXSB series
10.58

ILXCB series
10.59

ILXMG series
10.60

ILXGHB series
10.61

ILXVA series
10.62

Element series ELHB
10.63

Element series ELLB
10.64

Element series ELCB
10.65

Element series ELA
10.66

Element series ELMG
10.67

Element series ELMGR
10.68

Element series ELG
10.69

Element series ELGR
10.70

Element series - ELVA
10.71

Sportlite tech lifters
10.72

Roadway, area, parking & pedestrian

Professional-Grade – Philips Wide-Lite

Architectural outdoor - site & area

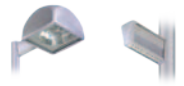
ASA LED Series
Architectural outdoor
11.4

ASA LED Series
Architectural outdoor
11.5

OP2L LED Series
Architectural outdoor
11.6

OP2 Series
Architectural outdoor
11.7

OP Series
Architectural outdoor
11.8



HIBRED HID/LED Series
Architectural outdoor
11.10

HIBRED HID/LED Series
Architectural outdoor
11.11

Specification-Grade – Philips Wide-Lite

Architectural outdoor - site & area

ARL03 LED Series
11.12

AR02 / AR03 Series
11.12

GSR LED Series
11.14

GSR Series
11.15

AW02 / AW03 Series
11.16

EAL Series
11.17

AL2 Series
11.18

AL3 Series
11.19

AL4 Series
11.20

AL2R Series
11.21

AL3R Series
11.22

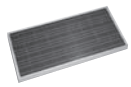
S10X Series
11.23

Solar

GSR Solar LED series
11.24

SMR Solar LED series
11.25

Solar panel system components
11.26



SPA and pole specifications
11.27

Architectural outdoor-wall & surface mount

ASW LED series
11.28

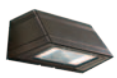
GS1/GS2/GS3 LED series
11.29

GS1 series
11.38

GS1A series
11.39

GS2 series
11.40

GS3 series
11.41



AWS1 series
11.42

AWS2 series
11.43

AWS3 series
11.44

AWS4 series
11.45

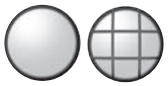
EWL series
11.46

AW04/AW05 series
11.47

Roadway, area, parking & pedestrian

Specification-Grade – Philips Wide-Lite

Vandal Resistant



Protector R Series
11.48

Protector R Series
11.49

Protector Series
Options & Accessories
11.50

Protector PA Series
11.51

Protector PV Series
11.52

Protector PL Series
11.53

Professional-Grade – Philips Wide-Lite

Parking & under canopy

VZ LED Series
11.54

GR-52 LED Series
11.57

RSP Series
11.58

RSP-HAZ Series
11.59

SP Series
11.60

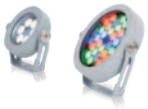
AL3G Series
11.61

Architectural floodlighting

TAG-LN LED Series
11.62

TAG-LN LED Series
11.63

TAG-RD LED series
11.64



TAG-RD LED Series
11.65

DFS1 Series
11.66

DFS2 Series
11.67

DFS3 Series
11.68

DFS3 series
11.69

DFS4 Series
11.70

DFS5 Series
11.71

EFX Series
11.72

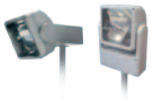
EFX CosmoPolis & MasterColor Elite series
11.73

EFI Series
11.74

Roadway, area, parking & pedestrian

Professional-Grade – Philips Wide-Lite

Industrial floodlighting

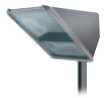


IFX Series
11.75

F Series
11.76

F-HAZ Series
11.77

AF1000 Series
11.78



A2 1000 Series
11.79

A2CO Series
11.80

MVF403 Series
11.81

TL Series
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Sports lighting

MVF403 Series
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AE2 Series
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FE Series
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RSF Series
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Highmast lighting

STB-25 Series
11.88

VAC Series
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SMLS Series
11.90

SLMS-CLD Series
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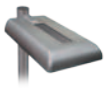
Tunnel lighting

TU18 Series
11.95

Roadway, area, parking & pedestrian

Specification-Grade – Philips Quality Lighting

Architectural outdoor - site & area

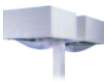


QLA LED Series
11.98

PDM Series
11.99

SMR LED Series
11.100

SMR Series
11.101



SL Series
11.102

SLY Series
11.103

123/124/134 Series
11.104

123/124/134 Series
11.104

129/130/140 Series
11.106

129/130/140 Series
11.106

SND Series
11.108

SNDY Series
11.109

SE Series
11.110

SS Series
11.111

Architectural post-top

ALPV Series
11.112

AOPV
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ZAV Series
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Architectural outdoor - wall & surface mount

QLW LED Series
11.119

GXSW Series
11.120

GXMW Series
11.120

GXLW Series
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GXLW Series
11.122

300 Wallcube Series
11.123

500 Wallcube Series
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600 Wallcube Series
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Roadway, area, parking & pedestrian

Specification-Grade – Philips Quality Lighting

Accent & pathway

STX1 LED Series
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STX1 Series
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STX3 Series
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STX4 Series
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STX5 Series
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WFB Series
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PBRXD Series
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PBRXF Series
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PBSX8 Series
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RCBX8 / FCBX8 Series
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Parking & under canopy

QLP LED Series
11.136

MPQ LED Series
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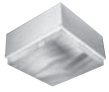
MP Series
11.138

410 Series
11.139



PF Series
11.140

EBW Series
11.141

Architectural floodlighting

550 Series
11.142

UF1 Series
11.143

UF2 LED Series
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UF2 Series
11.145

UF3 LED Series
11.146

UF3 Series
11.147

UF4 Series
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UF5 Series
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Industrial floodlighting

APL Series
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LI Series
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Downlighting

Section 1

EXIT

Philips Lightolier continues to set new standards in design, efficiency and flexibility with its Calculite, specification grade, architectural downlights.

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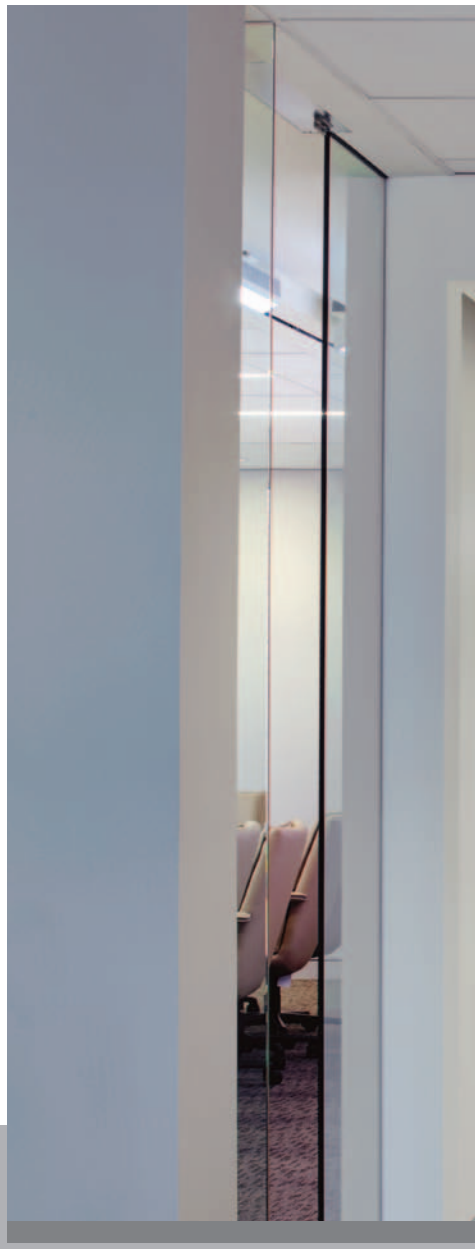
CFL lighting (CFL lighting) > 1.16
HID lighting (High intensity discharge) > 1.44
Low & line voltage lighting lighting > 1.86
ProSpec Linear > 1.140
Accessories & options > 1.144

LED lighting

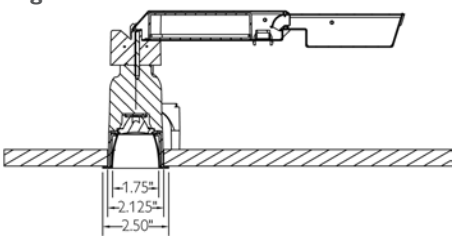


Contents

1.75" Round > 1.4
1.75" Square > 1.5
4", 6" & 7" Round > 1.6
4" & 6" Square > 1.12
4" & 6" Cylinders > 1.14
Remote phosphor technology > 1.15

Calculite LED 1¾" aperture

Round downlight



How to specify

Light engine/Frame-in kit	CCT	Beam spread	Installation/input voltage	Reflector
C2L04DL	30K	12	R1	C2LDLWHW (Downlight) C2LLWWHW (Wall washer)

Beam spread options

Beam spread	Code
12 Degree	12
17 Degree	17
25 Degree	25
38 Degree	38

Reflector finish options

Reflector finish	Aperture - matching flange	Flangeless
Comfort clear diffuse	CCDP	CCDFT
White	WHW	WHFT
Champagne bronze	CCZP	CCZFT
Black	BKP	BKFT

Ordering guide: installation accessories

Accessories-installation	Lumen package (nominal)
CA2FMR	Round aperture flush-mount mud-in ring*
CA2X2FMR	Square aperture flush-mount mud-in ring*
C2LIC	IC frame (new construction)*
C2LMP	New construction mounting pan*
	* Recommended for specific applications

Trim/frame compatibility

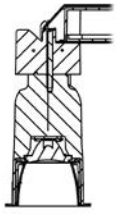
Aperture	Light engine/ Frame-in kit	Description	Ceiling cutout	Type	Input voltage	Technology	Wattage	Length	Width	Height
1.75" Flanged										
	C2L04DL30K12R1	400 Lumen downlight, 3000K, 12 Degree beam	2 1/8"	Non-IC	120V	White Light LED	See	10.25"	4.25"	5.25"
	C2L04DL30K17R1	400 Lumen downlight, 3000K, 17 Degree beam	2 1/8"	Non-IC	120V	White Light LED	specification	10.25"	4.25"	5.25"
	C2L04DL30K25R1	400 Lumen downlight, 3000K, 25 Degree beam	2 1/8"	Non-IC	120V	White Light LED	sheet	10.25"	4.25"	5.25"
	C2L04DL30K38R1	400 Lumen downlight, 3000K, 38 Degree beam	2 1/8"	Non-IC	120V	White Light LED		10.25"	4.25"	5.25"

* For flangeless, add "FT". Example: C2L04DL**FT**30K12R1. CA2FMR flangeless accessory ring recommended for gypsum installations.

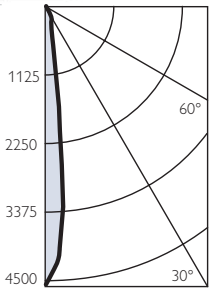
**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

1 ¾", 400 Lumen, round, 12°

Reflector trim: C2L04DL30K11R1/C2LDLCCDW
Output lumens: 347
Center beam candlepower: 4711
Correlated color temp: 3000K

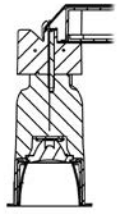


Angle	Mean CP	Lumens
0	4711	
5	2969	186
10	534	
15	320	93
20	253	
25	100	51
30	26	
35	15	10
40	9	
45	6	5
50	4	
55	2	2
60	1	
65	0	0

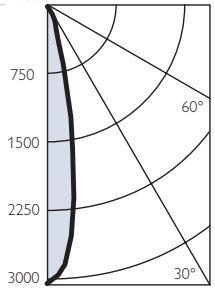


1 ¾", 400 Lumen, round, 17°

Reflector trim: C2L04DL30K17R1/C2LDLCCDW
Output lumens: 414
Center beam candlepower: 3123
Correlated color temp: 3000K

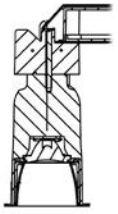


Angle	Mean CP	Lumens
0	3123	
5	2589	200
10	1213	
15	476	147
20	261	
25	125	57
30	31	
35	11	8
40	5	
45	2	2
50	1	
55	0	0
60	0	
65	0	0

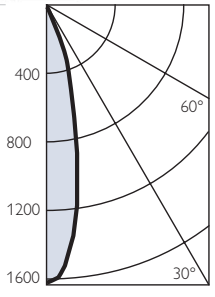


1 ¾", 400 Lumen, round, 25°

Reflector trim: C2L04DL30K25R17R1/C2LDLCCDW
Output lumens: 348
Center beam candlepower: 1517
Correlated color temp: 3000K

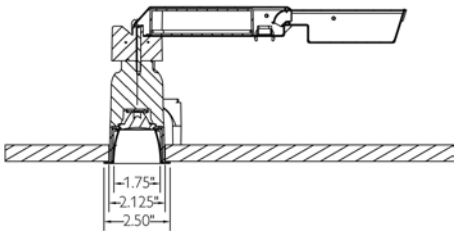


Angle	Mean CP	Lumens
0	1517	
5	1366	118
10	972	
15	564	155
20	291	
25	114	57
30	37	
35	18	12
40	10	
45	5	4
50	2	
55	1	1
60	0	
65	0	0



Calculite LED 1¾" aperture

Square downlight



How to specify

Light engine/Frame-in kit	CCT	Beam spread	Installation/input voltage	Reflector
C2L04DL	30K	12	R1	C2X2LDLWHW (Downlight) C2X2LLWWHW (Wall washer)

Beam spread options

Beam spread	Code
12 Degree	12
17 Degree	17
25 Degree	25
38 Degree	38

Reflector finish options

Reflector finish	Aperture - matching flange	Flangeless
Comfort clear diffuse	CCDP	CCDFT
White	WHW	WHFT
Champagne bronze	CCZP	CCZFT
Black	BKP	BKFT

Ordering guide: installation accessories

Accessories-Installation	Lumen Package (nominal)
CA2FMR	Round aperture flush-mount mud-in ring*
CA2X2FMR	Square aperture flush-mount mud-in ring*
C2LIC	IC frame (new construction)*
C2LMP	New construction mounting pan*
	* Recommended for specific applications

Trim/frame compatibility

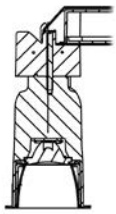
Aperture	Light engine/ Frame-in kit	Description	Ceiling cutout	Type	Input voltage	Technology	Wattage	Length	Width	Height
1.75" Flanged										
	C2L04DL30K12R1	400 Lumen downlight, 3000K, 12 Degree beam	2 1/8"	Non-IC	120V	White Light LED	See	10.25"	4.25"	5.25"
	C2L04DL30K17R1	400 Lumen downlight, 3000K, 17 Degree beam	2 1/8"	Non-IC	120V	White Light LED	specification	10.25"	4.25"	5.25"
	C2L04DL30K25R1	400 Lumen downlight, 3000K, 25 Degree beam	2 1/8"	Non-IC	120V	White Light LED	sheet	10.25"	4.25"	5.25"
	C2L04DL30K38R1	400 Lumen downlight, 3000K, 38 Degree beam	2 1/8"	Non-IC	120V	White Light LED		10.25"	4.25"	5.25"

* For flangeless, add "FT". Example: C2L04DL**FT**30K12R1. CA2X2FMR flangeless accessory ring recommended for gypsum installations.

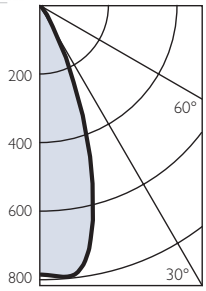
**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

1 ¾", 400 Lumen, round, 38°

Reflector trim: C2L04DL30K38R1/C2LDLCCDW
Output lumens: 335
Center beam candlepower: 787
Correlated color temp: 3000K



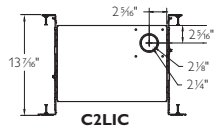
Angle	Mean CP	Lumens
0	787	
5	797	76
10	747	
15	569	152
20	350	
25	164	79
30	66	
35	31	21
40	17	
45	8	6
50	2	
55	1	1
60	0	
65	0	0



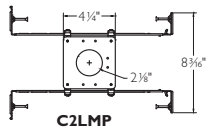
Optional installation accessories

The standard C2L product offering is Non-IC, wet location listed* with no additional "frame-in kit" required. Listed below are additional frame options.

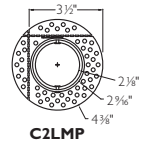
C2LIC **C2LMP**	IC frame (new construction). New construction mounting pan provides ability to prelocate. wiring for easy below-ceiling access. Includes bar hangers with preset screws which accommodate 12"-24" joist spacing. Bars also attach to T-bar ceilings. Width: 5.5", Length (min): 13.12"
CA2FMR	Round aperture flush-mount mud-in ring. Recommended for gypsum applications. Perforated flange allows installation only 1.4" from vertical structure, including corners.
CA2X2FMR	Square aperture flush-mount mud-in ring. Recommended for gypsum applications. Perforated flange allows installation only 1.4" from vertical structure, including corners. Square plate secures magnetically to mud-in ring. Tether included.



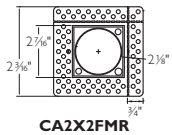
C2LIC



C2LMP



C2LMP

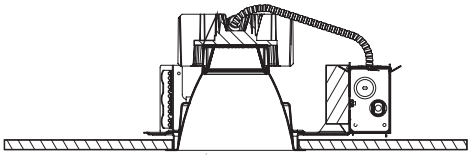


CA2X2FMR

Square aperture photometric data not yet available at time of printing.
Please see product specification sheet for updated, accurate performance data.

Calculite LED 6" & 7" aperture

Downlight medium beam (0.9 S.C.)



How to specify

Trim kit	CCT	Beam (6" & 7" only)	Finish/ flange	Frame-in kit
C6L1520DL	**27K**	**M**	**CLW**	**C6L15N1**

Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	CLFT
Comfort clear	CCLW	CCLP	CCLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
White	WHW	N/A	WHFT

Trim/frame compatibility

Aperture	Trim kit	Light engine description	Frame-in kit*	Ceiling cutout	Type	Input voltage	Technology	Wattage**	Width	Height
6"	C6L1520DL_ _ _M	1500/2000 Lumen downlight	C6L15N1 (1500 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor	See specification sheet	10 1/8"	7 1/4"
			C6L15N2 (1500 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	7 1/4"
			C6L20N1 (2000 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor		10 1/8"	7 1/4"
			C6L20N2 (2000 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	7 1/4"
7"	C7L1520DL_ _ _M	1500/2000 Lumen downlight	C7L15N1 (1500 Lumen)	8"	Non-IC	120V	Remote phosphor		11 13/16"	8 1/8"
			C7L15N2 (1500 Lumen)	8"	Non-IC	277V	Remote phosphor		11 13/16"	8 1/8"
			C7L20N1 (2000 Lumen)	8"	Non-IC	120V	Remote phosphor		11 13/16"	8 1/8"
			C7L20N2 (2000 Lumen)	8"	Non-IC	277V	Remote phosphor		11 13/16"	8 1/8"

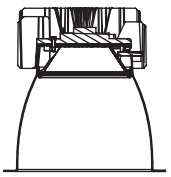
*Remodeler & retrofit frames also available. See specification sheet for details

Length (bars) is 20" -30"

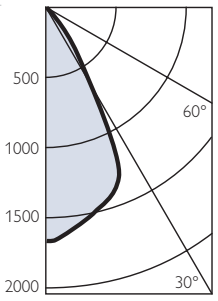
**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

6", 1500 Lumen

Reflector trim: C6L1520DL30KMCLW
Output lumens: 1312
Correlated color temp: 3000K

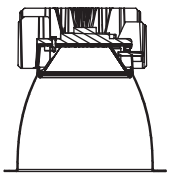


Angle	Mean CP	Lumens
0	1672	
5	1625	153
10	1551	
15	1477	417
20	1405	
25	1182	501
30	612	
35	313	205
40	139	
45	32	35
50	3	
55	1	1
60	1	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

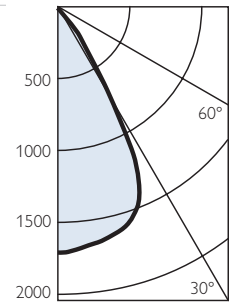


6", 2000 Lumen

Reflector trim: C6L1520DL30KMCLW
Output lumens: 1805
Correlated color temp: 3000K

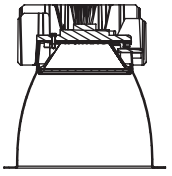


Angle	Mean CP	Lumens
0	1692	
5	1664	158
10	1634	
15	1594	449
20	1518	
25	1300	562
30	768	
35	351	238
40	147	
45	35	37
50	3	
55	1	1
60	10	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

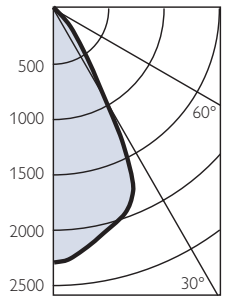


7", 2000 Lumen

Reflector trim: C7L1520DL30KMCLW
Output lumens: 1998
Correlated color temp: 3000K

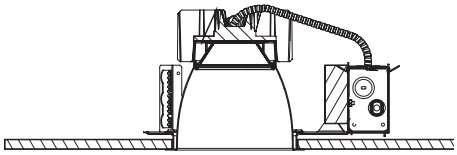


Angle	Mean CP	Lumens
0	2298	
5	2233	210
10	2130	
15	2028	573
20	1931	
25	1630	690
30	843	
35	431	282
40	191	
45	44	48
50	4	
55	2	2
60	1	
65	1	1
70	0	
75	0	0
80	0	
85	0	0
90	0	



Calculite LED 4", 6" & 7" aperture

Downlight wide beam (1.2 S.C.)



Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	CLFT
Comfort clear	CCLW	CCLP	CCLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
White	WHW	N/A"	WHFT

How to specify

Trim kit	CCT	Beam (6" & 7" only)	Finish/ flange	Frame-in kit
C6L1520DL	**27K**	**W**	**CLW**	**C6L15N1**

Trim/frame compatibility

Aperture	Trim kit	Light engine description	Frame-in kit*	Ceiling cutout	Type	Input voltage	Technology	Wattage**	Width	Height
4"	C4L05DL	500 Lumen downlight	C4L05N1	5 1/8"	Non-IC	120V	Remote phosphor	See specification sheet	9 3/16"	6 1/8"
			C4L05N2	5 1/8"	Non-IC	277V	Remote phosphor		9 3/16"	6 1/8"
4"	C4L10DL	1000 Lumen downlight	C4L10N1	5 1/8"	Non-IC	120V	Remote phosphor		9 3/16"	6 1/8"
			C4L10N2	5 1/8"	Non-IC	277V	Remote phosphor		9 3/16"	6 1/8"
6"	C6L1520DL_ _ _W	1500/2000 Lumen downlight	C6L15N1 (1500 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor		10 1/8"	7 1/4"
			C6L15N2 (1500 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	7 1/4"
			C6L20N1 (2000 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor		10 1/8"	7 1/4"
			C6L20N2 (2000 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	7 1/4"
7"	C7L1520DL_ _ _W	1500/2000 Lumen downlight	C7L15N1 (1500 Lumen)	8"	Non-IC	120V	Remote phosphor		11 13/16"	8 1/8"
			C7L15N2 (1500 Lumen)	8"	Non-IC	277V	Remote phosphor		11 13/16"	8 1/8"
			C7L20N1 (2000 Lumen)	8"	Non-IC	120V	Remote phosphor		11 13/16"	8 1/8"
			C7L20N2 (2000 Lumen)	8"	Non-IC	277V	Remote phosphor		11 13/16"	8 1/8"

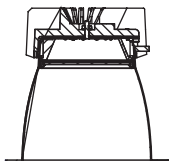
*Remodeler & retrofit frames also available. See specification sheet for details.

Length (bars) is 20" -30"

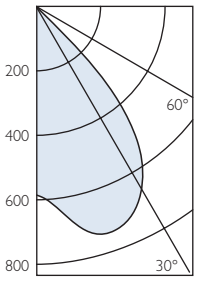
**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

4", 1000 Lumen

Reflector trim: C4L10DL30KCLW
Output lumens: 1034
Correlated color temp: 3000K

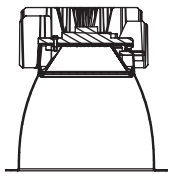


Angle	Mean CP	Lumens
0	577	
5	595	153
10	647	
15	693	417
20	692	
25	665	501
30	611	
35	529	205
40	405	
45	188	35
50	15	
55	4	1
60	2	
65	1	0
70	1	
75	0	0
80	0	
85	0	0
90	0	

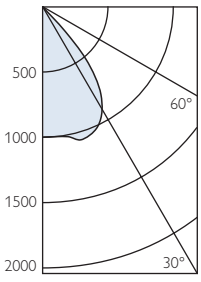


6", 1500 Lumen

Reflector trim: C6L1520DL30KWCLW
Output lumens: 1426
Correlated color temp: 3000K

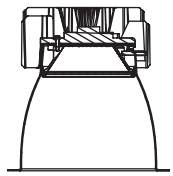


Angle	Mean CP	Lumens
0	1000	
5	1001	96
10	1010	
15	1056	297
20	1049	
25	1003	459
30	911	
35	742	451
40	475	
45	108	116
50	10	
55	5	5
60	3	
65	2	2
70	1	
75	1	1
80	0	
85	0	0
90	0	

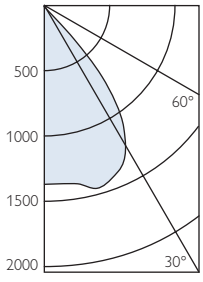


6", 2000 Lumen

Reflector trim: C6L1520DL30KWCLW
Output lumens: 1954
Correlated color temp: 3000K

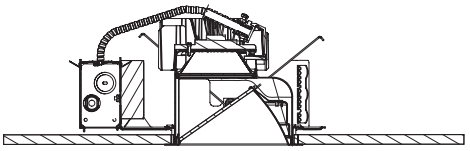


Angle	Mean CP	Lumens
0	1369	
5	1371	131
10	1382	
15	1445	407
20	1436	
25	1374	629
30	1249	
35	1017	619
40	653	
45	149	160
50	14	
55	7	6
60	4	
65	2	2
70	1	
75	1	1
80	0	
85	0	0
90	0	



Calculite LED 4", 6" & 7" aperture

Lensed wall washers



How to specify

Trim kit	CCT	Finish/flange	Frame-in kit
C6L1520DL	27K	CLW	C6L15N1

Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
Champagne bronze	CCZW	CCZP	N/A
White	WHW	N/A	N/A

Trim/frame compatibility

Aperture	Trim kit	Light engine description	Frame-In Kit*	Ceiling cutout	Type	Input voltage	Technology	Wattage**	Width	Height
4"	C4L05LW	500 Lumen lensed wall washer	C4L05N1	5 1/8"	Non-IC	120V	Remote phosphor	See specification sheet	9 3/16"	5 3/8"
			C4L05N2	5 1/8"	Non-IC	277V	Remote phosphor		9 3/16"	5 3/8"
4"	C4L10LW	1000 Lumen lensed wall washer	C4L10N1	5 1/8"	Non-IC	120V	Remote phosphor		9 3/16"	5 3/8"
			C4L10N2	5 1/8"	Non-IC	277V	Remote phosphor		9 3/16"	5 3/8"
6"	C6L1520LW	1500/2000 Lumen lensed wall washer	C6L15N1 (1500 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor		10 1/8"	6 5/8"
			C6L15N2 (1500 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	6 5/8"
			C6L20N1 (2000 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor		10 1/8"	6 5/8"
			C6L20N2 (2000 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	6 5/8"
7"	C7L1520LW	1500/2000 Lumen lensed wall washer	C7L15N1 (1500 Lumen)	8"	Non-IC	120V	Remote phosphor		10 1/8"	7 3/8"
			C7L15N2 (1500 Lumen)	8"	Non-IC	277V	Remote phosphor		10 1/8"	7 3/8"
			C7L20N1 (2000 Lumen)	8"	Non-IC	120V	Remote phosphor		10 1/8"	7 3/8"
			C7L20N2 (2000 Lumen)	8"	Non-IC	277V	Remote phosphor		10 1/8"	7 3/8"

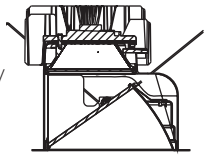
*Remodeler & retrofit frames also available. See specification sheet for details

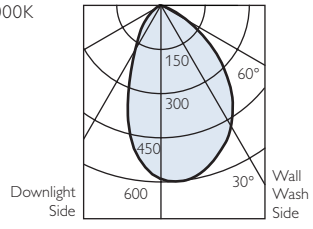
Length (bars) is 20" -30"

**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

4", 1000 Lumen

Trim: C4L10LW30KCLW
Reflector finish: Specular clear
Correlated color temp: 3000K





Multiple units Footcandles on wall

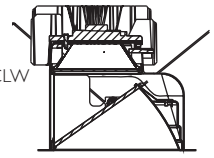
3' from wall - 3' on center

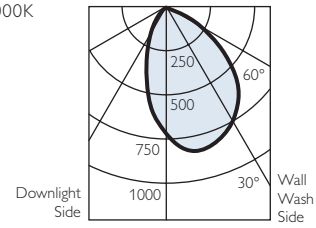
3'

Distance from ceiling in feet			
1'	5	4	5
2'	14	12	14
3'	19	18	19
4'	18	17	18
5'	15	15	15
6'	13	12	13
7'	10	10	10
8'	9	9	9
9'	8	7	8
10'	7	7	7
12'	5	5	5
14 '	4	4	4

6", 1500 Lumen

Trim: C6L1520LW30KCLW
Reflector finish: Specular clear
Correlated color temp: 3000K





Multiple units Footcandles on wall

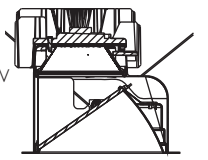
3' from wall - 3' on center

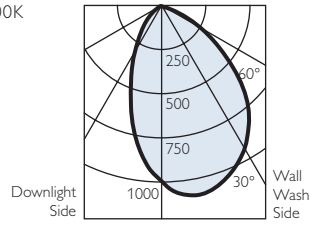
3'

Distance from ceiling in feet			
1'	8	6	8
2'	21	18	21
3'	26	25	26
4'	24	24	24
5'	21	21	21
6'	17	17	17
7'	14	14	14
8'	12	12	12
9'	10	10	10
10'	9	8	9
12'	7	7	7
14 '	6	6	6

6", 2000 Lumen

Trim: C6L1520LW30KCLW
Reflector finish: Specular clear
Correlated color temp: 3000K





Multiple units Footcandles on wall

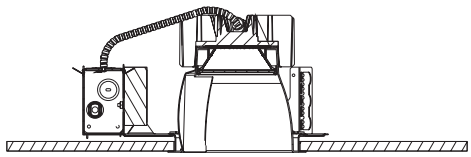
3' from wall - 3' on center

3'

Distance from ceiling in feet			
1'	9	8	9
2'	24	22	24
3'	32	30	32
4'	32	31	32
5'	27	27	27
6'	23	23	23
7'	19	19	19
8'	16	16	16
9'	14	13	14
10'	12	12	12
12'	9	9	9
14 '	8	8	8

Calculite LED 4", 6" & 7" aperture

Open wall washers



Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	CLFT
Comfort clear	CCLW	CCLP	CCLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
White	WHW	N/A"	WHFT

How to specify

Trim kit	CCT	Finish/flange	Frame-in kit
C6L1520WW	27K	CLW	C6L15N1

Trim/frame compatibility

Aperture	Trim kit	Light engine description	Frame-in kit*	Ceiling cutout	Type	Input voltage	Technology	Wattage**	Width	Height
4"	C4L05WW	500 Lumen open wall washer	C4L05N1	5 1/8"	Non-IC	120V	Remote Phosphor	See	9 3/16"	6 1/8"
			C4L05N2	5 1/8"	Non-IC	277V	Remote Phosphor	specification	9 3/16"	6 1/8"
4"	C4L10WW	1000 Lumen open wall washer	C4L10N1	5 1/8"	Non-IC	120V	Remote Phosphor	sheet	9 3/16"	6 1/8"
			C4L10N2	5 1/8"	Non-IC	277V	Remote Phosphor		9 3/16"	6 1/8"
6"	C6L1520WW	1500/2000 Lumen open wall washer	C6L15N1 (1500 Lumen)	6 9/16"	Non-IC	120V	Remote Phosphor		10 1/8"	7 1/4"
			C6L15N2 (1500 Lumen)	6 9/16"	Non-IC	277V	Remote Phosphor		10 1/8"	7 1/4"
			C6L20N1 (2000 Lumen)	6 9/16"	Non-IC	120V	Remote Phosphor		10 1/8"	7 1/4"
			C6L20N2 (2000 Lumen)	6 9/16"	Non-IC	277V	Remote Phosphor		10 1/8"	7 1/4"
7"	C7L1520WW	1500/2000 Lumen open wall washer	C7L15N1 (1500 Lumen)	8"	Non-IC	120V	Remote Phosphor		10 1/8"	7 5/8"
			C7L15N2 (1500 Lumen)	8"	Non-IC	277V	Remote Phosphor		10 1/8"	7 5/8"
			C7L20N1 (2000 Lumen)	8"	Non-IC	120V	Remote Phosphor		10 1/8"	7 5/8"
			C7L20N2 (2000 Lumen)	8"	Non-IC	277V	Remote Phosphor		10 1/8"	7 5/8"

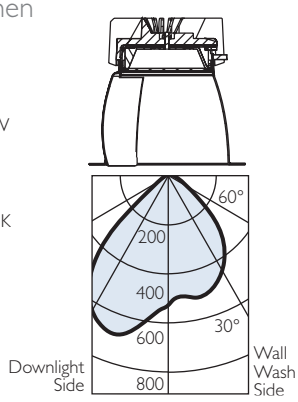
*Remodeler & retrofit frames also available. See specification sheet for details

Length (bars) is 20" -30"

**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

4", 1000 Lumen

Reflector trim:
C4L10WW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K



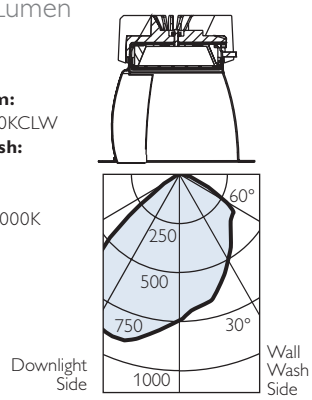
Multiple units Footcandles on wall

3' from wall - 3' on center

Distance from ceiling in feet	3'		
1'	7	7	7
7	12	12	12
3'	17	17	17
4'	16	16	16
5'	14	14	14
6'	12	12	12
7'	12	12	12
8'	10	10	10
9'	9	9	9
10'	8	8	8
12'	7	7	7
14 '	6	6	6

6", 1500 Lumen

Reflector trim:
C6L1520WW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K



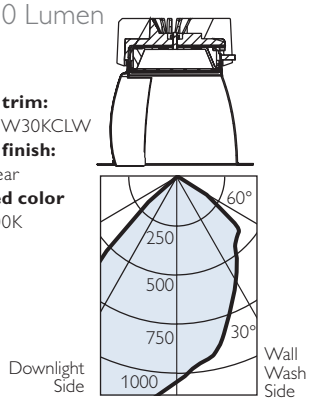
Multiple units Footcandles on wall

3' from wall - 3' on center

Distance from ceiling in feet	3'		
1'	10	9	10
7	25	25	25
3'	25	24	25
4'	21	22	21
5'	19	19	19
6'	17	17	17
7'	15	15	15
8'	13	13	13
9'	11	11	11
10'	10	10	10
12'	9	9	9
14 '	8	8	8

6", 2000 Lumen

Reflector trim:
C6L1520WW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K



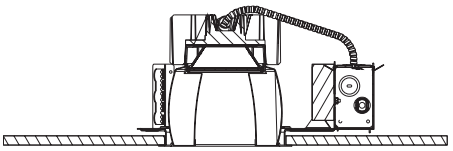
Multiple units Footcandles on wall

3' from wall - 3' on center

Distance from ceiling in feet	3'		
1'	14	13	14
7	35	32	35
3'	35	34	35
4'	29	30	29
5'	27	26	27
6'	23	23	23
7'	20	20	20
8'	18	18	18
9'	16	16	16
10'	14	14	14
12'	12	12	12
14 '	10	10	10

Calculite LED 4", 6" & 7" aperture

Double wall washers



How to specify

Trim kit	CCT	Finish/flange	Frame-in kit
C6L1520DW	**27K**	**CLW**	**C6L15N1**

Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	CLFT
Comfort clear	CCLW	CCLP	CCLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
White	WHW	N/A	WHFT

Trim/frame compatibility

Aperture	Trim kit	Light engine description	Frame-in kit*	Ceiling cutout	Type	Input voltage	Technology	Wattage**	Width	Height
4"	C4L05DW	500 Lumen double wall washer	C4L05N1DW	5 1/8"	Non-IC	120V	Remote phosphor	See	9 3/16"	5 1/3"
			C4L05N2DW	5 1/8"	Non-IC	277V	Remote phosphor	specification	9 3/16"	5 1/3"
4"	C4L10DW	1000 Lumen double wall washer	C4L10N1DW	5 1/8"	Non-IC	120V	Remote phosphor	sheet	9 3/16"	5 1/3"
	C4L10DW	1000 Lumen double wall washer	C4L10N2DW	5 1/8"	Non-IC	277V	Remote phosphor		9 3/16"	5 1/3"
6"	C6L1520DW	1500/2000 Lumen double wall washer	C6L15N1 (1500 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor		10 1/8"	7 1/4"
			C6L15N2 (1500 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	7 1/4"
			C6L20N1 (2000 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor		10 1/8"	7 1/4"
			C6L20N2 (2000 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	8 1/8"
7"	C7L1520DW	1500/2000 Lumen double wall washer	C7L15N1 (1500 Lumen)	8"	Non-IC	120V	Remote phosphor		10 1/8"	8 1/8"
			C7L15N2 (1500 Lumen)	8"	Non-IC	277V	Remote phosphor		10 1/8"	8 1/8"
			C7L20N1 (2000 Lumen)	8"	Non-IC	120V	Remote phosphor		10 1/8"	8 1/8"
			C7L20N2 (2000 Lumen)	8"	Non-IC	277V	Remote phosphor			

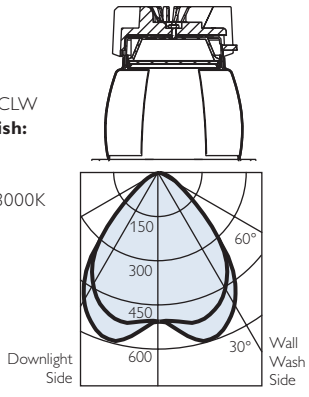
*Remodeler & retrofit frames also available. See specification sheet for details

Length (bars) is 20" -30"

**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

4", 1000 Lumen

Trim:
C4L10DW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K

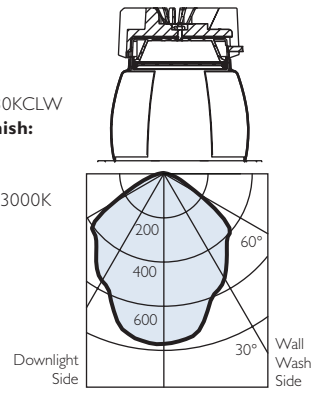


Multiple units Footcandles on wall

Distance from ceiling in feet	6' from hallway - 3' on center	3'	
1'	12	12	12
2'	18	17	18
3'	24	24	24
4'	25	26	25
5'	24	23	24
6'	21	21	21
7'	18	18	18
8'	16	16	16
9'	14	14	14
10'	13	13	13
12'	11	11	11
14 '	9	9	9

6", 1500 Lumen

Trim:
C6L1520DW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K

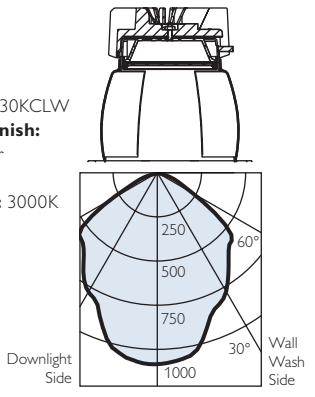


Multiple units Footcandles on wall

Distance from ceiling in feet	6' from hallway - 3' on center	3'	
1'	21	21	21
2'	40	38	40
3'	40	39	40
4'	36	37	36
5'	33	32	33
6'	29	29	29
7'	26	25	26
8'	23	23	23
9'	20	20	20
10'	18	18	18
12'	15	15	15
14 '	13	13	13

6", 2000 Lumen

Trim:
C6L1520DW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K

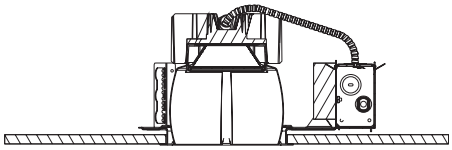


Multiple units Footcandles on wall

Distance from ceiling in feet	6' from hallway - 3' on center	3'	
1'	29	29	29
2'	55	53	55
3'	55	54	55
4'	49	51	49
5'	45	45	45
6'	39	40	39
7'	35	35	35
8'	31	31	31
9'	28	28	28
10'	25	25	25
12'	20	21	20
14 '	17	17	17

Calculite LED 6" & 7" aperture

Corner wall washers



Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	CLFT
Comfort clear	CCLW	CCLP	CCLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
White	WHW	N/A"	WHFT

How to specify

Trim kit	CCT	Finish/flange	Frame-in kit
C6L1520CW	**27K**	**CLW**	**C6L15N1**

Trim/frame compatibility

Aperture	Trim kit	Light engine description	Frame-in kit*	Ceiling cutout	Type	Input voltage	Technology	Wattage**	Width	Height
6"	C6L1520CW	1500/2000 Lumen corner wall washer	C6L15N1 (1500 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor	See	10 1/8"	7 1/4"
			C6L15N2 (1500 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor	specification	10 1/8"	7 1/4"
			C6L20N1 (2000 Lumen)	6 9/16"	Non-IC	120V	Remote phosphor	sheet	10 1/8"	7 1/4"
			C6L20N2 (2000 Lumen)	6 9/16"	Non-IC	277V	Remote phosphor		10 1/8"	7 1/4"
7"	C7L1520CW	1500/2000 Lumen corner wall washer	C7L15N1 (1500 Lumen)	8"	Non-IC	120V	Remote phosphor		10 1/8"	8 1/8"
			C7L15N2 (1500 Lumen)	8"	Non-IC	277V	Remote phosphor		10 1/8"	8 1/8"
			C7L20N1 (2000 Lumen)	8"	Non-IC	120V	Remote phosphor		10 1/8"	8 1/8"
			C7L20N2 (2000 Lumen)	8"	Non-IC	277V	Remote phosphor		10 1/8"	8 1/8"

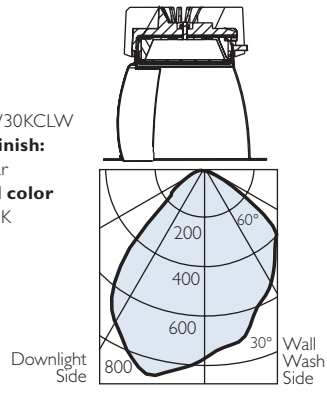
*Remodeler & retrofit frames also available. See specification sheet for details

Length (bars) is 20" -30"

**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

6", 1500 Lumen

Trim:
C6L1520CW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K

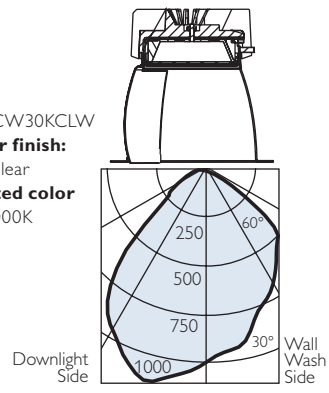


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center			
	1.5'	3'		4.5
1'	9	11		9
2'	16	20		18
3'	18	21		21
4'	17	22		25
5'	16	20		23
6'	15	19		22
7'	15	18		20
8'	15	17		18
9'	14	16		17
10'	13	15		16
12'	12	13		14
14 '	11	11		12

6", 2000 Lumen

Trim:
C6L1520CW30KCLW
Reflector finish:
Specular clear
Correlated color temp: 3000K

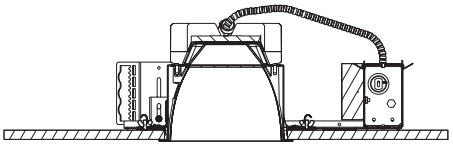


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center			
	1.5'	3'		4.5'
1'	13	16		15
2'	24	30		30
3'	28	34		35
4'	26	32		36
5'	23	28		32
6'	22	26		29
7'	21	25		27
8'	20	23		25
9'	19	22		23
10'	18	20		22
12'	17	18		19
14 '	15	16		17

Calculite LED 4" & 6" squares

Downlight wide beam (1.2 S.C.)



How to specify

Trim kit	CCT	Finish/flange	Frame-in kit
C6X6L1520DL	**27K**	**CLW**	**C6L15N1**

Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless*
Specular clear	CLW	CLP	CLFT
Comfort clear	CCLW	CCLP	CCLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
White	WHW	N/A	WHFT

*Available in 6"x6" only

Trim/frame compatibility

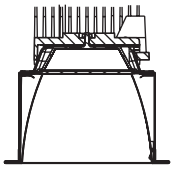
Aperture	Trim kit	Light engine description	Frame-in kit*	Type	Input voltage	Technology	Wattage**	Width	Height
4 " x 4"	C4X4L05DL	500 Lumen downlight	C4X4L05N1	Non-IC	120V	Remote phosphor	See specification	10 3/4"	6 1/4"
			C4X4L05N2	Non-IC	277V	Remote phosphor	sheet	10 3/4"	6 1/4"
4" x 4"	C4X4L10DL	1000 Lumen downlight	C4X4L10N1	Non-IC	120V	Remote phosphor		10 3/4"	6 1/4"
			C4X4L10N2	Non-IC	277V	Remote phosphor		10 3/4"	6 1/4"
6" x 6"	C6X6L1520DL	1500/2000 Lumen downlight	C6X6L15N1 (1500 Lumen)	Non-IC	120V	Remote phosphor		12 1/2"	7 1/4"
			C6X6L15N2 (1500 Lumen)	Non-IC	277V	Remote phosphor		12 1/2"	7 1/4"
			C6X6L20N1 (2000 Lumen)	Non-IC	120V	Remote phosphor		12 1/2"	7 1/4"
			C6X6L20N2 (2000 Lumen)	Non-IC	277V	Remote phosphor		12 1/2"	7 1/4"

Length (bars) is 20" -30"

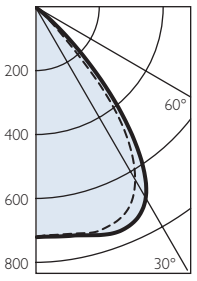
**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

4"x4", 1000 Lumen

Reflector trim: C4X4L10DL30KCLW
Output lumens: 1048
Correlated color temp: 3000K

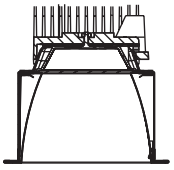


Angle	0 Degree	45 Degree	Lumens
0	727	727	
5	722	728	70
10	727	733	
15	735	746	210
20	724	756	
25	696	743	329
30	624	693	
35	499	571	323
40	285	385	
45	80	189	111
50	12	55	
55	2	8	6
60	1	0	
65	0	0	0
70	0	0	
75	0	0	0
80	0	0	
85	0	0	0
90	0	0	

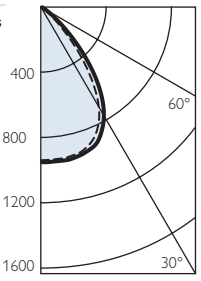


6"x6", 1500 Lumen

Reflector trim: C6X6L1520DL30KCLW
Output lumens: 1512
Correlated color temp: 3000K

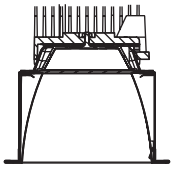


Angle	0 Degree	45 Degree	Lumens
0	1143	1143	
5	1138	1141	111
10	1139	1144	
15	1129	1132	318
20	1088	1093	
25	999	1019	463
30	839	882	
35	596	669	415
40	392	440	
45	204	220	184
50	49	61	
55	5	8	20
60	2	4	
65	1	2	1
70	0	1	
75	0	0	0
80	0	0	
85	0	0	0
90	0	0	

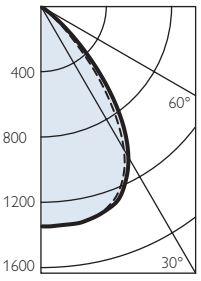


6"x6", 2000 Lumen

Reflector trim: C6X6L1520DL30KCLW
Output lumens: 2081
Correlated color temp: 3000K

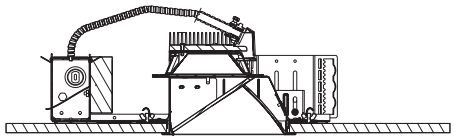


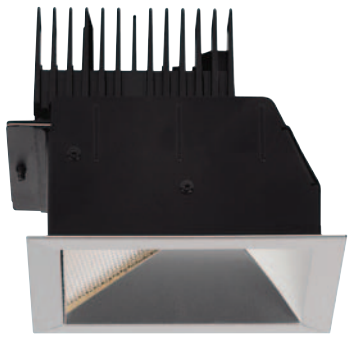
Angle	0 Degree	45 Degree	Lumens
0	1571	1571	
5	1565	1568	152
10	1566	1572	
15	1552	1555	437
20	1495	1522	
25	1375	1428	637
30	1156	1272	
35	822	1017	571
40	542	687	
45	282	382	254
50	69	165	
55	7	41	27
60	3	4	
65	1	2	2
70	1	1	
75	0	0	0
80	0	0	
85	0	0	0
90	0	0	



Calculite LED 4" & 6" squares

Lensed wall washers





Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	CLFT
Comfort clear	CCLW	CCLP	CCLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	WHFT
White	WHW	N/A	*Available in 6"x6" only

How to specify

Trim kit	CCT	Finish/ flange	Frame-in kit
C6X6L1520WW	**27K**	**CLW**	**C6X6L15N1**

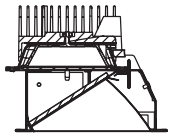
Trim/frame compatibility

Aperture	Trim kit	Light engine description	Frame-in kit*	Type	Input voltage	Technology	Wattage**	Width	Height
4" x 4"	C4X4L05WW	500 Lumen lensed wall washer	C4X4L05N1	Non-IC	120V	Remote phosphor	See	10 3/4"	5 1/2"
			C4X4L05N2	Non-IC	277V	Remote phosphor	specification	10 3/4"	5 1/2"
4" x 4"	C4X4L10WW	1000 Lumen lensed wall washer	C4X4L10N1	Non-IC	120V	Remote phosphor	sheet	10 3/4"	5 1/2"
			C4X4L10N2	Non-IC	277V	Remote phosphor		10 3/4"	5 1/2"
6" x 6"	C6X6L1520WW	1500/2000 Lumen lensed wall washer	C6X6L15N1 (1500 Lumen)	Non-IC	120V	Remote phosphor		12 1/2"	6 1/4"
			C6X6L15N2 (1500 Lumen)	Non-IC	277V	Remote phosphor		12 1/2"	6 1/4"
			C6X6L20N1 (2000 Lumen)	Non-IC	120V	Remote phosphor		12 1/2"	6 1/4"
			C6X6L20N2 (2000 Lumen)	Non-IC	277V	Remote phosphor		12 1/2"	6 1/4"

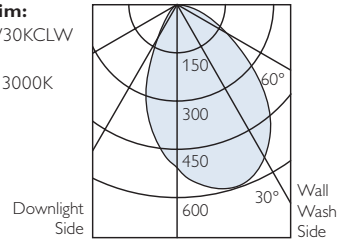
Length (bars) is 20" -30"

**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

4"x4", 1000 Lumen



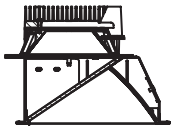
Reflector trim: C4X4L10WW30KCLW
Correlated color temp: 3000K



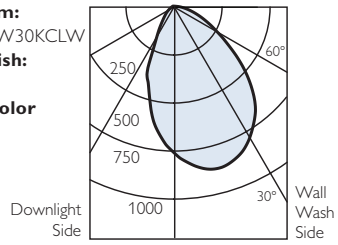
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center			
		3'		
1'	12	11	12	
2'	21	19	21	
3'	24	24	24	
4'	21	21	21	
5'	18	18	18	
6'	14	14	14	
7'	12	12	12	
8'	10	10	10	
9'	8	8	8	
10'	7	7	7	
12'	5	5	5	
14 '	5	5	5	

6"x6", 1500 Lumen



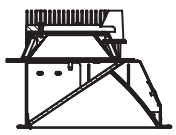
Reflector trim: C6X6L1520WW30KCLW
Reflector finish: Specular clear
Correlated color temp: 3000K



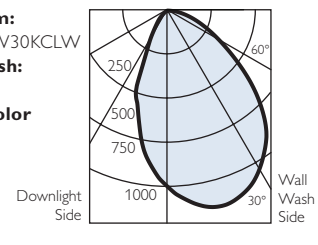
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center			
		3'		
1'	17	14	17	
2'	29	26	29	
3'	33	32	33	
4'	30	30	30	
5'	25	24	25	
6'	20	20	20	
7'	16	16	16	
8'	14	13	14	
9'	11	11	11	
10'	10	10	10	
12'	8	8	8	
14'	7	7	7	

6"x6", 2000 Lumen



Reflector trim: C6X6L1520WW30KCLW
Reflector finish: Specular clear
Correlated color temp: 3000K

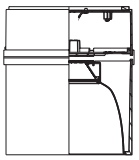


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center			
		3'		
1'	1	23	19	23
2'	2	40	35	40
3'	3	46	45	46
4'	4	41	41	41
5'	5	34	34	34
6'	6	27	27	27
7'	7	22	22	22
8'	8	19	19	19
9'	9	16	16	16
10	10	14	14	14
12	12	11	11	11
14	14	9	9	9

Calculite LED 4" & 7"

Cylinders



How to specify

Trim kit	CCT	Beam (7" only)	Finish/Input voltage
C7L15CW (also available in Black)	**27K**	**M**	**CCLU**

Color temperature options

Color temperature	Code
2700K	27K
3000K	30K
3500K	35K
4000K	40K

Reflector finish options

Reflector finish	White flange	Voltage
Comfort clear	CCL	U

Trim/frame compatibility

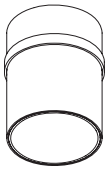
Aperture	Cylinder	Beam (7" only)	Description	Input voltage	Technology	Wattage**	Width	Height
4"	C4L05CW		500 Lumen Surface Cylinder	120/277V	Remote phosphor	See specification sheet	5"	6 7/8"
4"	C4L10CW		1000 Lumen Surface Cylinder	120/277V	Remote phosphor		5"	6 7/8"
7"	C7L15CW_ _ _	M	1500 Lumen Surface Cylinder-Medium Beam	120/277V	Remote phosphor		8 1/2"	9 7/8"
7"	C7L20CW_ _ _	M	2000 Lumen Surface Cylinder-Medium Beam	120/277V	Remote phosphor		8 1/2"	9 7/8"
7"	C7L15CW_ _ _	W	1500 Lumen Surface Cylinder-Wide Beam	120/277V	Remote phosphor		8 1/2"	9 7/8"
7"	C7L20CW_ _ _	W	2000 Lumen Surface Cylinder-Wide Beam	120/277V	Remote phosphor		8 1/2"	9 7/8"

Length (bars) is 20" -30"

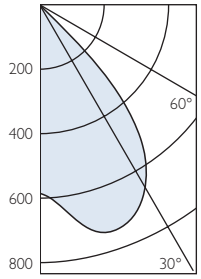
**** As Calculite LED fixture efficiency is continuously improving, please see product specification sheet for updated, accurate performance data.**

4", 1000 Lumen

Reflector trim: C4L10CW30KCCLW
Output lumens: 1034
Correlated color temp: 3000K

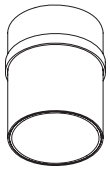


Angle	Mean CP	Lumens
0	577	
5	595	153
10	647	
15	693	417
20	692	
25	665	501
30	611	
35	529	205
40	405	
45	188	35
50	15	
55	4	1
60	2	
65	1	0
70	1	
75	0	0
80	0	
85	0	0
90	0	

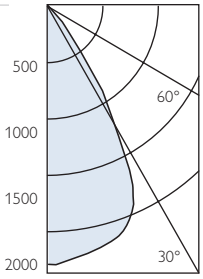


7", 2000 Lumen medium beam

Reflector trim: C7L20CW30KMCCLW
Output lumens: 1998
Correlated color temp: 3000K

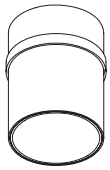


Angle	Mean CP	Lumens
0	2238	
5	2298	218
10	2257	
15	2201	619
20	2095	
25	1792	776
30	1068	
35	487	330
40	205	
45	49	52
50	4	
55	2	2
60	1	
65	0	1
70	0	
75	0	0
80	0	
85	0	0
90	0	

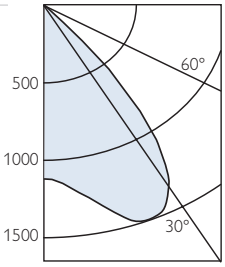


7", 2000 Lumen wide beam

Reflector trim: C7L20CW30KWCCLW
Output lumens: 1978
Correlated color temp: 3000K



Angle	Mean CP	Lumens
0	1117	
5	1146	113
10	1239	
15	1358	388
20	1470	
25	1476	670
30	1357	
35	1084	647
40	607	
45	136	153
50	11	
55	5	5
60	3	
65	2	2
70	1	
75	0	0
80	0	
85	0	0
90	0	

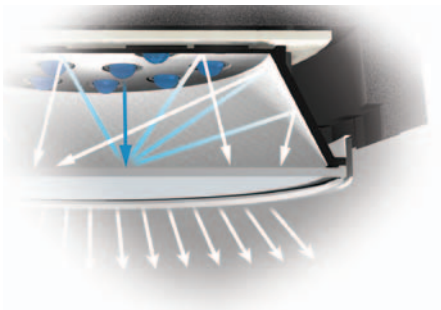


Calculite LED

Remote phosphor technology: features & benefits

Key benefits

Maximum efficiency



Up to 60% of light that contacts phosphor, whether it's remote-mounted or applied directly to the chip, is back-reflected.

With Philips' remote-mounted phosphor system this back-reflected light can be utilized. Philips Lightolier developed an optimized, highly reflective mixing chamber which redirects this light, resulting in a 20% increase in system efficiency.

Color consistency

Variation in color across products has historically been a challenge for lighting products utilizing LED technology. This is in large part due to the process variability in applying phosphor directly to the LED diode.

Remote phosphor technology provides superior color consistency across products, as the phosphor is manufactured in large sheets, cut to shape, and laminated to diffusion film. This process results in color consistency ± 100k across products.

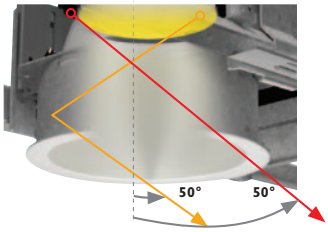
As-specified performance

Calculite's remote phosphor technology ensures that the LED performance that's been specified will be available at construction rollout.

The phosphor itself is developed and manufactured exclusivey from the LED chip and can therefore be modified as required to deliver the fixture performance expected when the lighting specification is written. This allows the product to change with technology gains, yet provide the same below-ceiling performance as specified.

Product features

Comfort optics

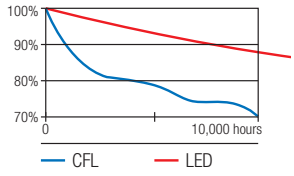


Designed specifically around the LED source Calculite Solid-State delivers true 50° physical and reflected cutoff for reduced aperture brightness and an unobtrusive ceiling presence.

Dimming/emergency capability

Electronic low voltage (5%), O-10V (10%) and Lutron dimming options available depending on luminaire selected. See LED-DIM specification sheet for details. Both Integral (EM suffix) and low-wattage inverter (see LED-DIM specification sheet) options available for emergency backup.

Lumen maintenance

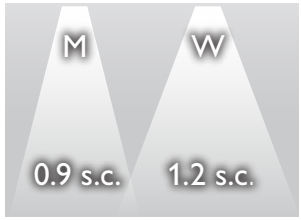


Depreciating more consistently over time as compared to CFL, Calculite's LED downlight will provide at least 50,000 hours rated life at 70% lumen maintenance.

Flangeless option

After the frame-in kit is installed, the flangeless ring is inserted into the ceiling opening and the flange is plastered over, feathered, sanded and finished. A flangeless "FT" trim is required. Accessory ring CA_FMRLED recommended for gypsum applications.

Beam distributions



Designed as a direct replacement for CFL, Calculite Solid-State offers medium and wide beam spread options where possible. Medium is an alternative to vertically-oriented CFL (0.9 s.c.), wide is an alternative to horizontal orientations (1.2 s.c.).

Decorative accessories

Calculite round aperture downlights are compatible with Vetro architectural decorative accessories. A flangeless "FT" trim is required.

Industry best warranty

Philips Lightolier is emphasizing confidence in our product and a commitment to our specifiers with an industry-best 5 year warranty covering all components. Conventional equipment typically offers separate warranties for the lamp and the ballast.

Flangeless option

Finishes

CL	specular clear
CCL	comfort clear
CCD	comfort clear diffuse
CCZ	champagne bronze
WH	White

Flanges

W	White
P	Polished
FT	Flangeless*

*available in round only

CFL lighting

Calculite compact fluorescent downlights provide a broad assortment of light distributions in coordinated apertures, nominally 4" x 4", 4" x 9", 9" x 9", 4", 6", 7" and 8". Most use triple tube lamps, from 18W to 42W, for soft-edged, Energy Smart illumination.

Contents

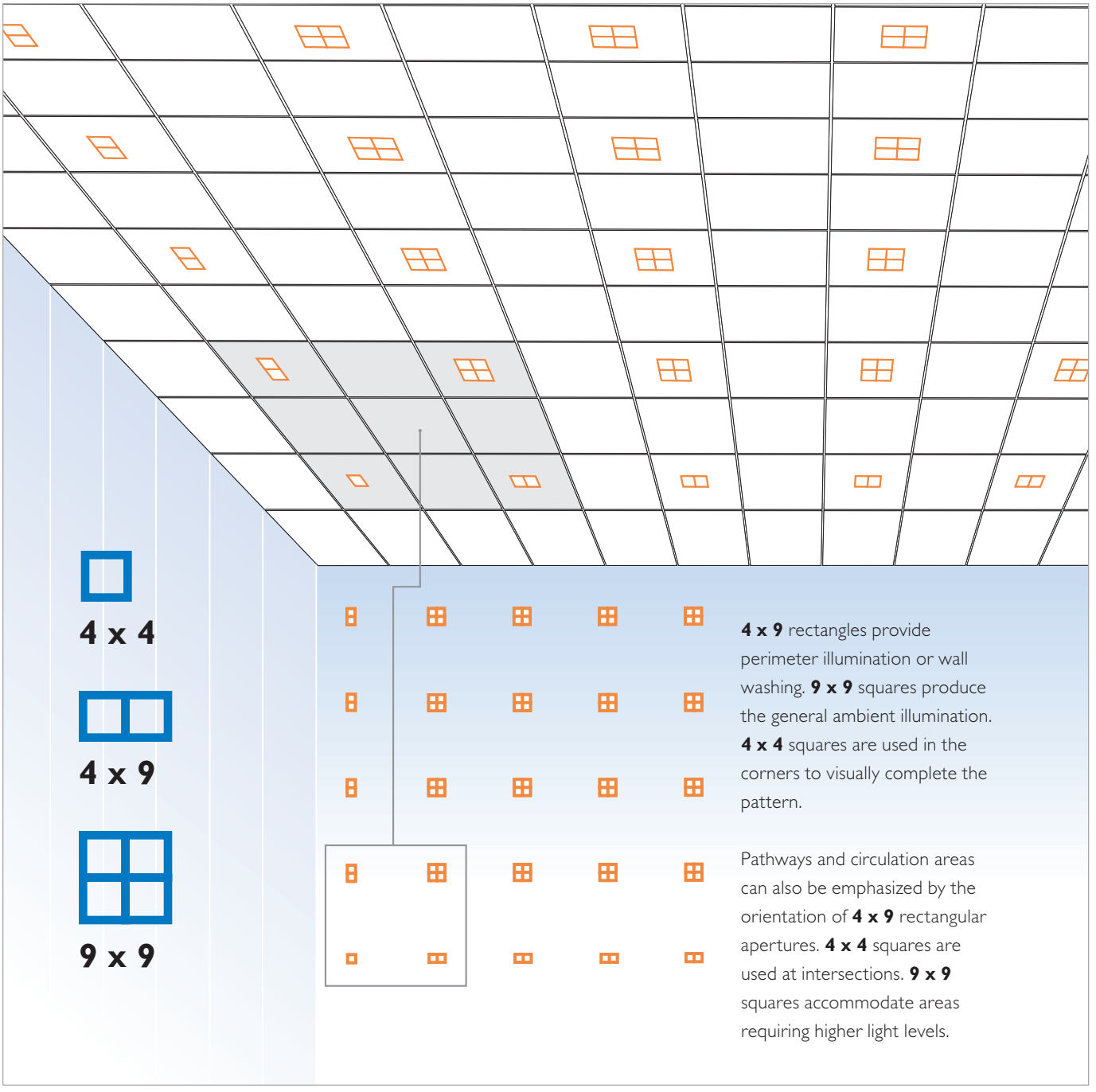
Rectilinear downlights > 1.20
Rectilinear wall washers > 1.26
Round downlights > 1.28
Round wall washers > 1.37
Cylinders > 1.42

Matrix

Matrix provides complete design flexibility with a palette of symmetrical elements in three sizes, each with a specific purpose and appearance.

The apertures are developed from a base module that is a 4 1/2" square with 55° visual and reflected cutoff. The 4 1/2" by 9" rectangle is derived from 2 equal cells and the 9" by 9" square is a combination of 4 cells. Open downlights deliver high efficiency, excellent glare control and wide spacing. Lensed downlights offer reduced lamp image and are UL listed for installation in wet locations. Lensed wall washers provide smooth, even vertical illumination.

The combination of different aperture sizes and shapes can be used to accentuate interior architecture or create interesting patterns. The two square sizes complement the rectangular aperture and provide solutions for inside or outside corners and the ending of rows. The matrix system offers exciting new options for creating expressive, yet functional lighting plans. Matrix provides the lighting tools to accentuate feature areas, differentiate circulation areas or light entire spaces.

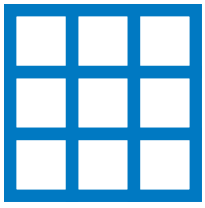


4 x 9 rectangles provide perimeter illumination or wall washing. **9 x 9** squares produce the general ambient illumination. **4 x 4** squares are used in the corners to visually complete the pattern.

Pathways and circulation areas can also be emphasized by the orientation of **4 x 9** rectangular apertures. **4 x 4** squares are used at intersections. **9 x 9** squares accommodate areas requiring higher light levels.

Smaller is better

Compact lamps and efficient fixtures provide options for achieving high light levels while reducing the size of the ceiling opening. You no longer need to go to a 2' x 2' fluorescent product to provide adequate illumination and wide spacing. Matrix 9" x 9" square luminaires with two 42W triple tube compact fluorescent lamps are comparable in output to traditional recessed 2' x 2' troffers. Triple tube lamps have the added benefit of amalgam technology, which maintains lumen output over a wider range of operating temperatures.



24" x 24"
Two 40W
Twin tube
75 Watts
3680 Lumens

VS.

9" x 9"
Two 42W
Triple tube
93 Watts
3980 Lumens

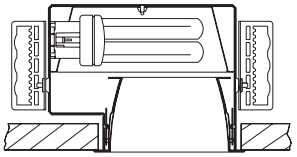
Matrix 4" x 9" open downlights, 4' on center

6" round downlights, 4' on center

Hallways and corridors
Matrix rectangular apertures are ideal for lighting long narrow spaces such as hallways and corridors. When installed parallel to the wall, these luminaires provide wide spacing and a clean, even beam pattern devoid of distracting scallops produced by round aperture downlights.

4 ½" x 4 ½" aperture

Open downlight



Ceiling cutout:: 5 ⅛" x 5 ⅛"
Ceiling thickness: 1 ¼" Max.

How to specify

Trim kit	Frame-in kit
4X4 CLW	4X4132HU

Standard dimming options*

4X4132H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

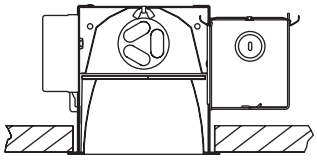
Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
White	WHW	N/A	N/A

Trim/frame compatibility

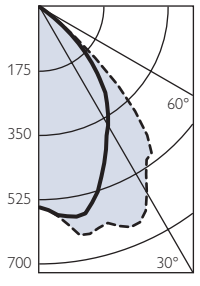
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
4X4132HU	Non-IC	Electronic	120V/277V	TRT	26/32W	10"	9 1/2"	5 3/4"
4X4132HUEM4E	Non-IC	Emergency	120V/277V	TRT	26/32W	10"	11"	5 3/4"

4 ½" x 4 ½" 26W Triple tube

Reflector trim: 4X4 CLW



Report: 1763FR
Lamp: 26W Triple
Initial lumens: 1,800
Efficiency: 54.5%
Spacing: 1.1 X 1.4



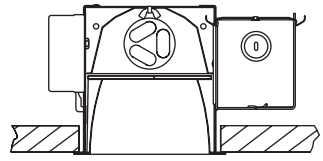
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	42	1.12
6'	30	0.78
8'	17	0.44
10'	11	0.28
12'	7	0.19

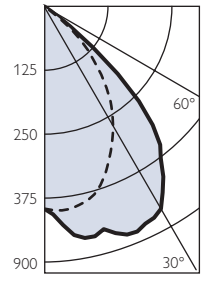
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 4 ½" 32W Triple tube

Reflector trim: 4X4 CLW



Report: 1710FR
Lamp: 32W Triple
Initial lumens: 2,400
Efficiency: 54.7%
Spacing: 1.1 X 1.5



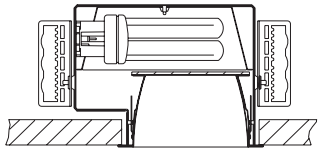
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	57	1.44
6'	39	1.00
8'	22	0.56
10'	14	0.36
12'	10	0.25

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 4 ½" aperture

Lensed downlight



Ceiling cutout:: 5 ⅛" x 5 ⅛"
Ceiling thickness: 1 ¼" Max.

Standard dimming options*

4X4132H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

Reflector finish	White flange	Aperture - matching flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
White	WHW	N/A	N/A

How to specify

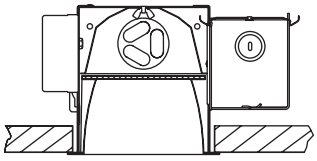
Trim kit		Frame-in kit
4X4PL (prismatic)	CLW	4X4132HU
4X4LFL (light frost)	CLW	4X4132HU

Trim/frame compatibility

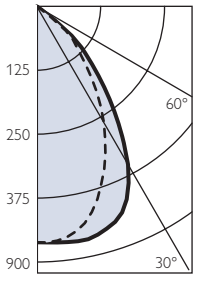
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
4X4132HU	Non-IC	Electronic	120V/277V	TRT	26/32W	10"	9 1/2"	5 3/4"

4 ½" x 4 ½" 26W Triple tube

Reflector trim: 4X4PL CLW



Report: 1764FR
Lamp: 26W Triple
Initial lumens: 1,800
Efficiency: 47.4%
Spacing: 1.0 X 1.2



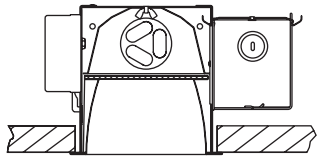
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	37	1.12
6'	26	0.78
8'	15	0.44
10'	9	0.28
12'	7	0.19

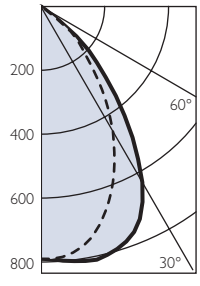
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 4 ½" 32W Triple tube

Reflector trim: 4X4PL CLW



Report: 1909FR
Lamp: 32W Triple
Initial lumens: 2,400
Efficiency: 44.0%
Spacing: 1.0 X 1.2



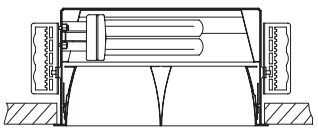
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	46	1.44
6'	32	1.00
8'	18	0.56
10'	12	0.36
12'	8	0.25

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 9" aperture

Open downlight



Ceiling cutout: 5 ⅛" x 9 ⅝"
Ceiling thickness: 1 ¼" Max.

How to specify

Trim kit	Frame-in kit
4X9 CLW	4X9142HU

Standard dimming options*

4X9142H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

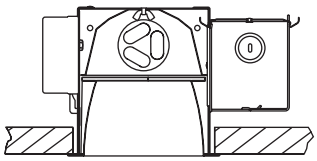
Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
White	WHW	N/A	N/A

Trim/frame compatibility

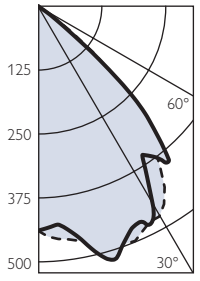
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
4X9142HU	Non-IC	Electronic	120V/277V	QT/TRT	**QT:** 26W **TRT:** 32/42W	12 1/2"	9 1/2"	5 3/4"
4X9142HUEM	Non-IC	Emergency	120V/277V	QT/TRT	**QT:** 26W **TRT:** 32/42W	12 1/2"	11"	5 3/4"

4 ½" x 9" 26W quad

Reflector trim: 4X9 CLW



Report: 1762FR
Lamp: 26W Quad
Initial lumens: 1,800
Efficiency: 55.5%
Spacing: 1.5 X 1.3



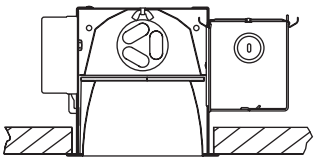
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	43	1.12
6'	30	0.78
8'	17	0.44
10'	11	0.28
12'	8	0.19

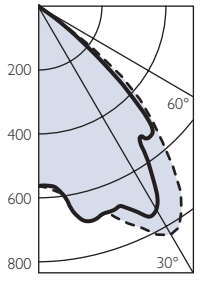
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 9" 32W Triple tube

Reflector trim: 4X9 CLW



Report: 1761FR
Lamp: 32W Triple
Initial lumens: 2,400
Efficiency: 69.3%
Spacing: 1.7 X 1.5



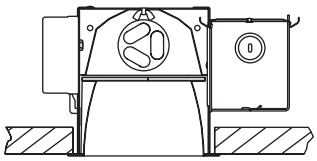
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	72	1.44
6'	50	1.00
8'	28	0.56
10'	18	0.36
12'	13	0.25

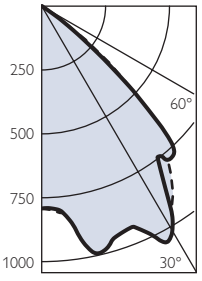
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 9" 42W Triple tube

Reflector trim: 4X9 CLW



Report: 1760FR
Lamp: 42W Triple
Initial lumens: 3,200
Efficiency: 66.1%
Spacing: 1.6 X 1.5



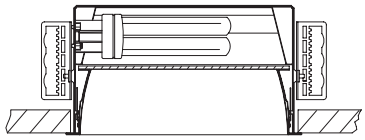
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	92	1.80
6'	64	1.25
8'	36	0.70
10'	23	0.45
12'	16	0.31

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 9" aperture

Lensed downlight



Ceiling cutout:: 5 ⅛" x 9 ⅝"
Ceiling thickness: 1 ¼" Max.

Standard dimming options*

4X9142H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

Reflector finish	White Flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
White	WHW	N/A	N/A

How to specify

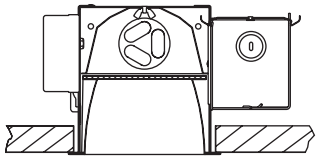
Trim kit		Frame-in kit
4X9PL (prismatic)	CLW	4X9142HU
4X9LFL (light frost)	CLW	

Trim/frame compatibility

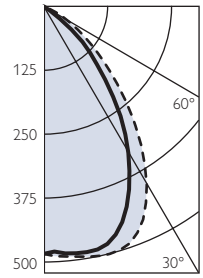
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
4X9142HU	Non-IC	Electronic	120V/277V	QT/TRT	**QT:** 26W **TRT:** 32/42W	12 1/2"	9 1/2"	5 3/4"
4X9142HUEM	Non-IC	Emergency	120V/277V	QT/TRT	**QT:** 26W **TRT:** 32/42W	12 1/2"	11"	5 3/4"

4 ½" x 9" 26W quad

Reflector trim: 4X9PL CLW



Report: 1624FR
Lamp: 26W Quad
Initial lumens: 1,800
Efficiency: 43.4%
Spacing: 1.2 X 1.1



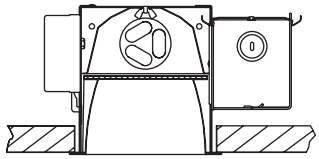
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	34	1.12
6'	24	0.78
8'	13	0.44
10'	8	0.28
12'	6	0.19

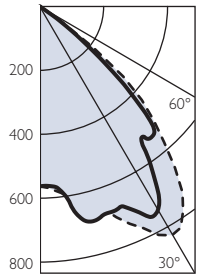
75' x 75' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances.

4 ½" x 9" 32W Triple tube

Reflector trim: 4X9PL CLW



Report: 1617FR
Lamp: 32W Triple
Initial lumens: 2,400
Efficiency: 62.2%
Spacing: 1.3 X 1.1



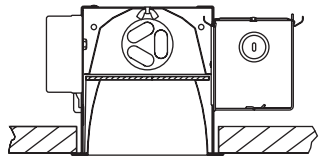
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	65	1.44
6'	49	1.08
8'	26	0.58
10'	14	0.31
12'	11	0.23

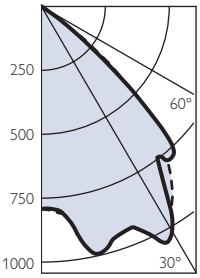
75' x 75' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances.

4 ½" x 9" 42W Triple tube

Reflector trim: 4X9PL CLW



Report: 1610FR
Lamp: 42W Triple
Initial lumens: 3,200
Efficiency: 61.1%
Spacing: 1.2 X 1.1



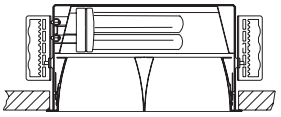
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	85	1.96
6'	64	1.47
8'	34	0.78
10'	19	0.43
12'	14	0.31

75' x 75' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances.

9" x 9" aperture

Open downlight



Ceiling cutout:: 9⅝" x 9⅝"
Ceiling thickness: 1¼" Max.

How to specify

Trim kit	Frame-in kit
9X9 CLW	9X9242HU

Standard dimming options*

9X9242H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

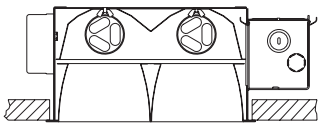
Reflector finish	White flange	Aperture Matching Flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
White	WHW	N/A	N/A

Trim/frame compatibility

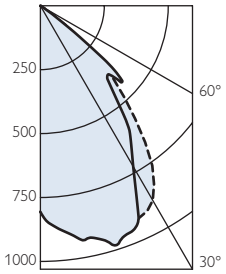
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
9X9242HU	Non-IC	Electronic	120V/277V	QT/TRT	(2) 32/42W	12 1/2"	14"	5 3/4"
9X9242HUEM	Non-IC	Emergency	120V/277V	QT/TRT	(2) 32/42W	12 1/2"	15 3/4"	5 3/4"

9" x 9" 26W quad

Reflector trim: 9X9 CLW



Report no.: 1775FR
Lamp: 26W Quad
Initial lumens: 3,600
Efficiency: 48.6%
Spacing: 1.4 X 1.3



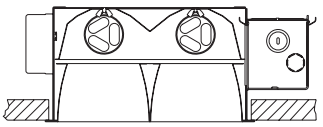
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	76	2.24
6'	53	1.56
8'	30	0.88
10'	19	0.56
12'	13	0.39

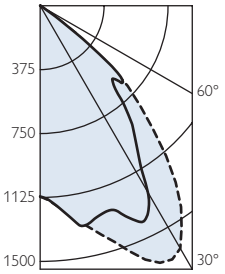
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

9" x 9" 32W Triple tube

Reflector trim: 9X9 CLW



Report no.: 1776FR
Lamp: 32W Triple
Initial lumens: 4,800
Efficiency: 63.0%
Spacing: 1.6 X 1.4



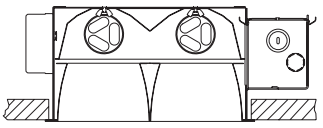
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	131	2.76
6'	91	1.92
8'	51	1.08
10'	33	0.69
12'	23	0.48

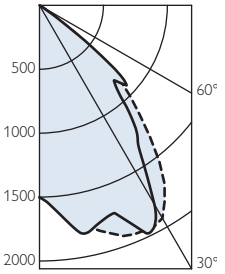
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

9" x 9" 42W Triple tube

Reflector trim: 9X9 CLW



Report no.: 1777FR
Lamp: 42W Triple
Initial lumens: 6,400
Efficiency: 60.1%
Spacing: 1.6 X 1.4



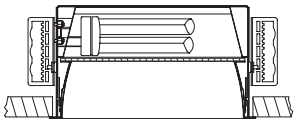
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	166	3.64
6'	116	2.53
8'	65	1.42
10'	42	0.91
12'	29	0.63

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

9" x 9" aperture

Lensed downlight



Ceiling cutout:: 9⅝" x 9⅝"
Ceiling thickness: 1¼" Max.

Standard dimming options*

9X9242H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

Reflector finish	White Flange	Aperture Matching Flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear	CCDW	CCDP	N/A
diffuse White	WHW	N/A	N/A

How to specify

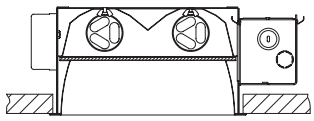
Trim kit		Frame-in kit
9X9PL (prismatic)	CLW	9X9242HU
9X9LFL (light frost)	CLW	

Trim/frame compatibility

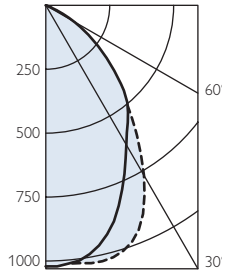
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
9X9242HU	Non-IC	Electronic	120V/277V	QT/TRT	(2) 26/32/42W	12 1/2"	14"	5 3/4"
9X9242HUEM	Non-IC	Emergency	120V/277V	QT/TRT	(2) 26/32/42W	12 1/2"	15 3/4"	5 3/4"

9" x 9" 26W quad

Reflector trim: 9X9PL CLW



Report no.: 1657FR
Lamp: 26W Quad
Initial lumens: 3,600
Efficiency: 47.1%
Spacing: 1.1 X 1.0



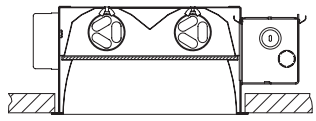
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	73	2.24
6'	51	1.56
8'	29	0.88
10'	18	0.56
12'	13	0.39

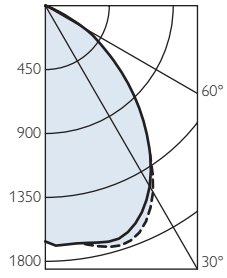
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

9" x 9" 32W Triple tube

Reflector trim: 9X9PL CLW



Report no.: 1956FR
Lamp: 32W Triple
Initial lumens: 4,800
Efficiency: 72.1%
Spacing: 1.3 X 1.3



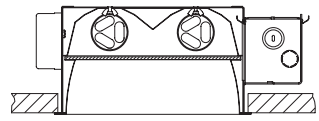
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	150	2.76
6'	104	1.92
8'	59	1.08
10'	37	0.69
12'	26	0.48

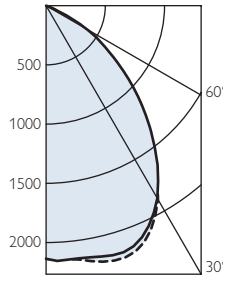
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

9" x 9" 42W Triple tube

Reflector trim: 9X9PL CLW



Report no.: 1953FR
Lamp: 42W Triple
Initial lumens: 6,400
Efficiency: 68.7%
Spacing: 1.3 X 1.3



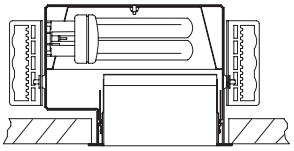
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	189	3.64
6'	132	2.53
8'	74	1.42
10'	47	0.91
12'	33	0.63

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4 ½" x 4 ½" aperture

Lensed wall washer



Ceiling cutout:: 5 ⅛" x 5 ⅛"
Ceiling thickness: 1 ¼" Max.

How to specify

Trim kit	Frame-in kit
4X4LW CLW	4X4132HU

Standard dimming options*

4X4132H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

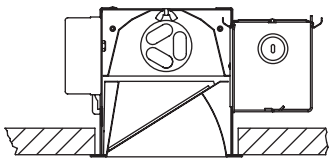
Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
White	WHW	N/A	N/A

Trim/frame compatibility

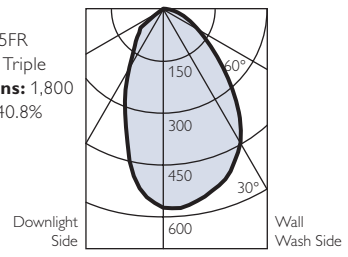
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
4X4132HU	Non-IC	Electronic	120V/277V	TRT	26/32W	10"	9 1/2"	5 3/4"

4 ½" x 4 ½" 26W Triple tube

Reflector trim: 4X4LW CLW



Report: 1765FR
Lamp: 26W Triple
Initial lumens: 1,800
Efficiency: 40.8%

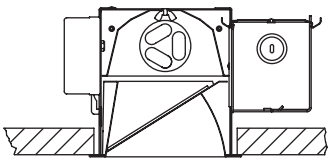


Multiple units Footcandles on wall

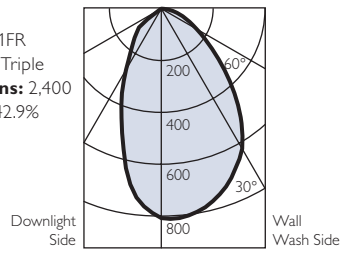
Distance from ceiling in feet	3' from wall - 4' on center	4'	
1	7	4	7
2	11	8	11
3	13	10	13
4	12	11	12
5	11	10	11
6	9	9	9
7	7	7	7
8	6	6	6
9	5	5	5
10	5	4	5

4 ½" x 4 ½" 32W Triple tube

Reflector trim: 4X4LW CLW



Report: 1981FR
Lamp: 32W Triple
Initial lumens: 2,400
Efficiency: 42.9%

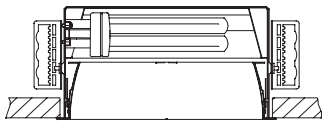


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 4' on center	4'	
1	10	6	10
2	16	12	16
3	18	14	18
4	17	15	17
5	15	14	15
6	12	12	12
7	10	10	10
8	9	8	9
9	7	7	7
10	6	6	6

4 ½" x 9" aperture

Lensed wall washer



Ceiling cutout:: 5 ⅛" x 9⅝"
Ceiling thickness: 1 ¼" Max.

Standard dimming options*

4X9142H ☐ **(add suffix in box)**

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	N/A
Comfort clear	CCLW	CCLP	N/A
Comfort clear diffuse	CCDW	CCDP	N/A
White	WHW	N/A	N/A

How to specify

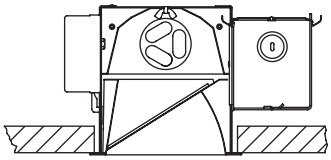
Trim kit	Frame-in kit
4X9LW ☐ CLW	4X9142HU

Trim/frame compatibility

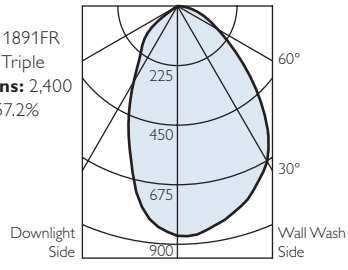
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp	Length	Width	Height
4X9142HU	Non-IC	Electronic	120V/277V	QT/TRT	**QT:** 26W **TRT:** 32/42W	12 1/2"	9 1/2"	5 3/4"
4X9142HUEM	Non-IC	Emergency	120V/277V	QT/TRT	**QT:** 26W **TRT:** 32/42W	12 1/2"	11"	5 3/4"

4 ½" x 9" 32W Triple tube

Reflector trim: 4X9LW ☐ CLW



Report no.: 1891FR
Lamp: 32W Triple
Initial lumens: 2,400
Efficiency: 57.2%

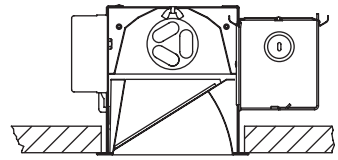


Multiple units Footcandles on wall

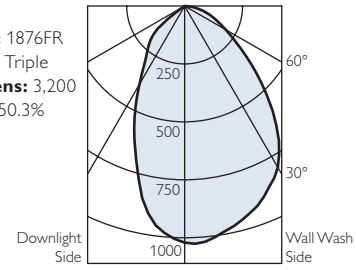
Distance from ceiling in feet	3' from wall - 4' on center	4'	
1	12	9	12
2	19	17	19
3	23	21	23
4	22	22	22
5	19	19	19
6	16	16	16
7	14	13	14
8	11	11	11
9	10	10	10
10	8	8	8

4 ½" x 9" 42W Triple tube

Reflector trim: 4X9LW ☐ CLW



Report no.: 1876FR
Lamp: 42W Triple
Initial lumens: 3,200
Efficiency: 50.3%

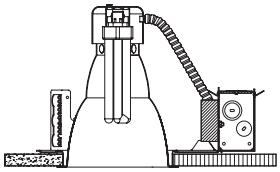


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 4' on center	4'	
1	14	10	14
2	22	19	22
3	27	25	27
4	26	26	26
5	23	23	23
6	19	19	19
7	16	16	16
8	13	13	13
9	11	11	11
10	10	10	10

4", 6", 7" & 8" aperture

Vertical open downlight



How to specify

Trim kit	Frame-in kit
8021 CLW	S6132BU

Standard dimming options*

S6132B ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

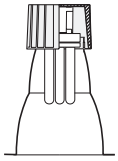
* Some dimming options not available on all products. See product specification sheet for details.

Trim/frame compatibility

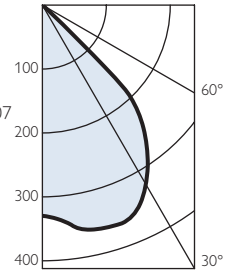
Aperture	Trim kit	Frame-in kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
4"	8011	4118VU	5 1/16"	Non-IC	Electronic	120/277V	TRT	18W	20"- 30"	8 1/16"	8 1/8"
6"	8011	4118VUEM	5 1/16"	Non-IC	Emergency	120/277V	TRT	18W	20"- 30"	9 5/8"	8 1/8"
6"	8021	S6132BU	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	10"	9 7/8"
7"	8021...E	S6132BUEM	6 9/16"	Non-IC	Emergency-integral switch	120/277V	TRT	26/32W	20"- 30"	11 1/16"	9 7/8"
7"	8022	S7132BU	8"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	11 3/4"	11 1/8"
7"	8022...E	S7132BUEM	8"	Non-IC	Emergency-integral switch	120/277V	TRT	26/32W	20"- 30"	13 5/16"	11 1/8"
7"	8022	S7142BU	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	11 3/4"	11 1/8"
7 "	8022...E	S7142BUEM	8"	Non-IC	Emergency-integral switch	120/277V	TRT	26/32/42W	20"- 30"	13 5/16"	11 1/8"
8"	8023	S8142BU	9 1/4"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	12 1/2"	11 3/4"
8"	8023	S8142BUEM	9 1/4"	Non-IC	Emergency	120/277V	TRT	26/32/42W	20"- 30"	14 1/16"	11 3/4"

4 ½" 18W Triple tube

Reflector trim: 8011 CCLW



Lamp lumens: 1200
Efficiency: 42%
Luminaire lumens: 507
Spacing ratio: 1.2
Cut-off: 50°



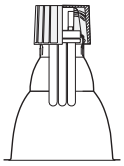
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	23	0.76
6'	16	0.53
7'	12	0.39
8'	9	0.29
9'	7	0.23

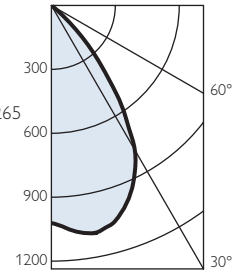
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

6" 32W Triple tube

Reflector trim: 8021 CCLW



Lamp lumens: 2400
Efficiency: 52.7%
Luminaire lumens: 1265
Spacing ratio: 1.1
Cut-off: 50°



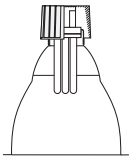
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	57	1.40
6'	39	0.97
7'	22	0.55
8'	17	0.43
9'	14	0.35

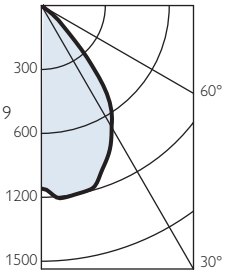
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

8" 42W Triple tube

Reflector trim: 8023 CCLW



Lamp lumens: 3200
Efficiency: 63%
Luminaire lumens: 2019
Spacing ratio: 0.9
Cut-off: 50°



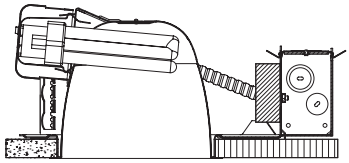
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	65	1.40
6'	45	1.00
8'	26	0.55
9'	20	0.43
10'	16	0.35

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

6" & 7" aperture

Horizontal open downlight (1 lamp)



Standard dimming options*

S6132BU ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

* Some dimming options not available on all products. See product specification sheet for details.

How to specify

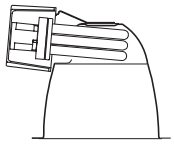
Trim kit	Frame-in kit
8031 ☐	S6132BU

Trim/frame compatibility

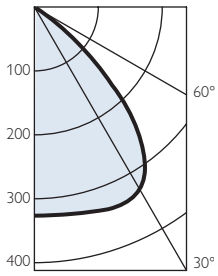
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
6"	8031	S6132BU	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	10"	6 7/8"
6"	8031…E	S6132BUEM	6 9/16"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	11 9/16"	6 7/8"
7"	8037	S7132BU	8"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	11 3/8"	7 3/4"
7"	8037…E	S7132BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	12 15/16"	7 3/4"
7"	8037	S7142BU	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	11 3/8"	7 3/4"
7"	8037…E	S7142BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32/42W	20"- 30"	12 15/16"	7 3/4"

6" 26W Triple tube

Reflector trim: 8031 ☐



Report no.: LRL796-1A
Lamp lumens: 1800
Efficiency: 62%
Luminaire lumens: 1109
Spacing ratio: 1.4
Cut-off: 55°



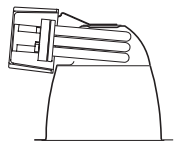
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	46	1.24
6'	33	0.86
8'	18	0.48
10'	12	0.31
12'	8	0.21

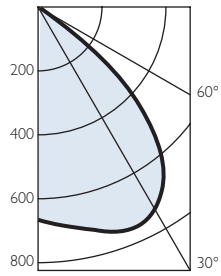
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

6" 32W Triple tube

Reflector trim: 8031 ☐



Report no.: LRL796-1B
Lamp lumens: 2400
Efficiency: 62%
Luminaire lumens: 1493
Spacing ratio: 1.4
Cut-off: 55°



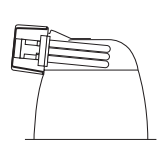
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	63	0.76
6'	44	0.53
8'	24	0.39
10'	16	0.29
12'	11	0.23

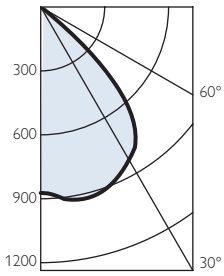
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" 42W Triple tube

Reflector trim: 8037 ☐



Report No. LRL798-1F
Lamp lumens: 3200
Efficiency: 65%
Luminaire lumens: 2092
Spacing ratio: 1.4
Cut-off: 55°



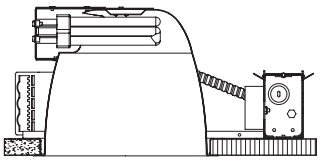
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
5'	88	1.68
6'	61	1.17
8'	35	0.66
10'	22	0.42
12'	15	0.29

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

8" aperture

Horizontal open downlight (2 lamp)



How to specify

Trim kit	Frame-in kit
8038 CLW	S8242HU

Standard dimming options*

S8242HU ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec	120/277V
J1LD3	HDF	120V
J2LD3	Lutron 3%	277V
JUM7	Lutron 3%	120/277V
J1MX	Mark 7	120V
J2MX	Mark 10	277V
	Mark 10	

Reflector finish options

Reflector finish	White Flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

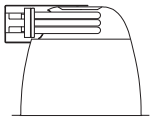
* Some dimming options not available on all products. See product specification sheet for details.

Trim/frame compatibility

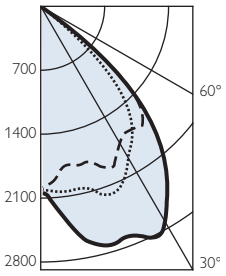
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
8"	8038 (55° cutoff)	S8242BU	9 1/4"	Non-IC	Electronic	120/277V	TRT	(2) 26/32/42W	20"- 30"	12 3/4"	8"
8"	8038…E	S8242BUEM	9 1/4"	Non-IC	Emergency-integral	120/277V	TRT	(2) 26/32/42W	20"- 30"	14 5/16"	8"
8"	8039 (50° cutoff)	S8242BU	9 1/4"	Non-IC	Electronic	120/277V	TRT	(2) 26/32/42W	20"- 30"	12 3/4"	9"
8"	8039…E	S8242BUEM	9 1/4"	Non-IC	Emergency-integral	120/277V	TRT	(2) 26/32/42W	20"- 30"	14 5/16"	9"

8" 32W Triple tube

Reflector trim: 8038 CLW



Report no.: ITL 44462
Lamp lumens: 4800
Efficiency: 72%
Luminaire lumens: 3479
Spacing ratio: 1.4 x 1.6
Cut-off: 55°



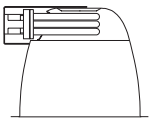
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
6'	106	1.77
7'	77	1.31
8'	59	1.00
10'	38	0.64
12'	27	0.44

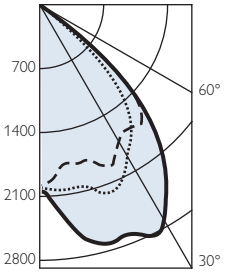
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

8" 42W Triple tube

Reflector trim: 8038 CLW



Report no.: ITL 44463
Lamp lumens: 6400
Efficiency: 67%
Luminaire lumens: 4320
Spacing ratio: 1.4 x 1.7
Cut-off: 55°



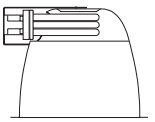
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
6'	131	2.64
7'	97	1.94
8'	74	1.48
10'	48	0.95
12'	32	0.66

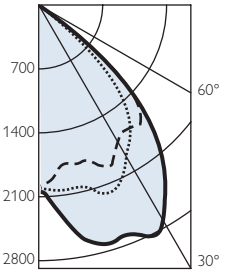
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

8" 42W Triple tube

Reflector trim: 8039 CLW



Report no.: 0172FR
Lamp lumens: 6400
Efficiency: 54%
Luminaire lumens: 3470
Spacing ratio: 1.4 x 1.6
Cut-off: 50°



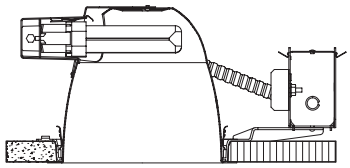
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
6'	107	2.64
7'	78	1.94
8'	60	1.48
10'	38	0.95
12'	27	0.66

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

6" & 7" aperture

Horizontal open downlight (2 lamp)



Standard dimming options*

6213H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

How to specify

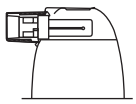
Trim kit	Frame-in kit
8052 ☐	**6213HU**

Trim/frame compatibility

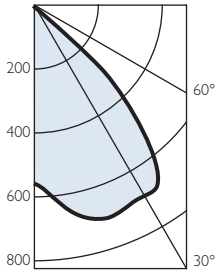
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
6"	8052	6213HU	6 9/16"	Non-IC	Electronic	120/277V	QT	(2) 13W	20"- 30"	10"	6"
6"	8052	6213HUEM	6 9/16"	Non-IC	Emergency	120/277V	QT	(2) 13W	20"- 30"	10"	6"
6"	8051	6218HU	6 9/16"	Non-IC	Electronic	120/277V	QT	(2) 18W	20"- 30"	10"	6"
6"	8051	6218HUEM	6 9/16"	Non-IC	Emergency	120/277V	QT	(2) 18W	20"- 30"	10"	6"
7"	8056	7218HU	8"	Non-IC	Electronic	120/277V	QT	(2) 18W	20"- 30"	11 3/8"	6 7/8"
7"	8056…E	7218HUEM	8"	Non-IC	Emergency-integral	120/277V	QT	(2) 18W	20"- 30"	12 15/16"	6 7/8"
7"	8056	S7226HU	8"	Non-IC	Electronic	120/277V	QT	(2) 26W	20"- 30"	11 3/8"	6 7/8"
7"	8056…E	S7226HUEM	8"	Non-IC	Emergency-integral	120/277V	QT	(2) 26W	20"- 30"	12 15/16"	6 7/8"

6" Aperture (2) 13W quad

Reflector trim: 8052 ☐



Report No. LSI 9474
Lamp lumens: 1800
Efficiency: 54%
Luminaire lumens: 930
Spacing ratio: 1.6
Cut-off: 55°



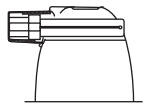
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	37	1.28
6'	26	0.89
8'	15	0.50
10'	9	0.32
12'	6	0.22

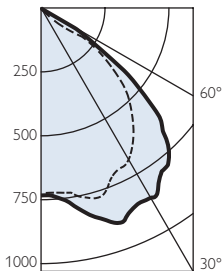
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

6" Aperture (2) 18W quad tube

Reflector trim: 8051 ☐



Report No. 0053 FR
Lamp lumens: 2500
Efficiency: 50%
Luminaire lumens: 1253
Spacing ratio: 1.3 x 1.6
Cut-off: 55°



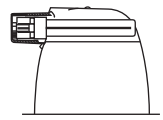
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	50	1.56
6'	35	1.08
8'	20	0.61
10'	15	0.48
12'	13	0.39

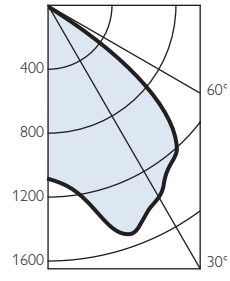
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" Aperture (2) 26W quad tube

Reflector trim: 8056 ☐



Report No. ITL 40604
Lamp lumens: 3600
Efficiency: 56%
Luminaire lumens: 2018
Spacing ratio: 1.6 x 1.7
Cut-off: 55°



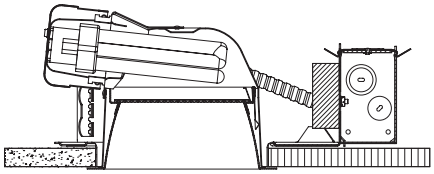
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	89	2.20
6'	61	1.53
8'	34	0.86
10'	22	0.55
12'	15	0.38

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

6" & 7" aperture

Horizontal lensed downlight



How to specify

Trim kit	Frame-in kit
8091F CLW	S6132BU

Standard dimming options*

S6132B ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Reflector finish	White Flange	Aperture matching flange	Flangeless
Fresnel Lens, Clear Cone	FCLW	FCLP	N/A
Fresnel Lens, White Cone	FWHW	N/A	N/A
Clear Lens, Clear Cone	CCLW	CCLP	N/A
Clear Lens, White Cone	CWHW	N/A	N/A
Opal Lens, Clear Cone	DCLW	DCLP	N/A
Opal Lens, White Cone	DWHW	N/A	N/A
Prismatic Lens, Clear Cone	PCLW	PCLP	N/A
Prismatic Lens, White Cone	PWHW	N/A	N/A

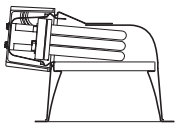
* Some dimming options not available on all products.
See product specification sheet for details.

Trim/frame compatibility

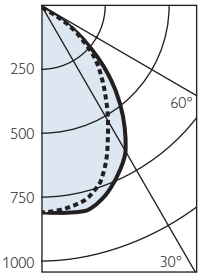
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
6"	8091	S6132BU	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	10"	6"
		S6132BUEM	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"-30"	11 9/16"	6"
7"	8097	S7142BU	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	11 3/8"	6 1/2"
		S7142BUEM	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	12 15/16"	6 1/2"
7"	8096	S7218HU	8"	Non-IC	Electronic	120/277V	TRT	(2) 18W	20"- 30"	11 3/8"	5 3/4"
7"	8096	S7226HU	8"	Non-IC	Electronic	120/277V	TRT	(2) 26W	20"- 30"	11 3/8"	5 3/4"
		S7226HUEM	8"	Non-IC	Electronic	120/277V	TRT	(2) 26W	20"- 30"	12 15/16"	5 3/4"

6" Aperture 32W Triple tube

Reflector trim: 8091 FCLW



Report No. 0075FR
Lamp lumens: 2400
Efficiency: 56%
Luminaire lumens: 1229
Spacing ratio: 1.2



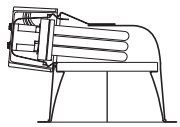
Multiple unit data (32W)

Spacing on center	Initial footcandles	Watts per sq ft
5'	54	1.40
6'	37	0.97
8'	21	0.56
10'	15	0.43
12'	13	0.31

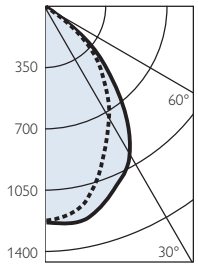
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" Aperture 42W Triple tube

Reflector trim: 8097 FCLW



Report No.
Lamp lumens: 3200
Efficiency: 47%
Luminaire lumens: 953
Spacing ratio: 0.8



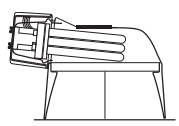
Multiple unit data (42W)

Spacing on center	Initial footcandles	Watts per sq ft
5'	66	1.68
6'	46	1.17
8'	26	0.65
10'	21	0.52
12'	17	0.42

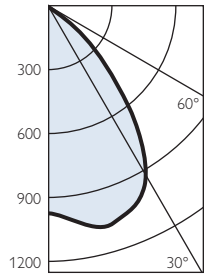
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" Aperture (2) 26W Triple tube

Reflector trim: 8096 CCLW



Report No.
Lamp lumens: 3600
Efficiency: 38%
Luminaire lumens: 1376
Spacing ratio: 1.3



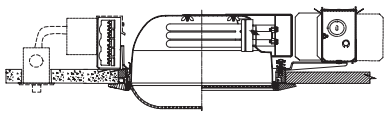
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	60	2.20
6'	42	1.53
7'	24	0.86
8'	19	0.68
9'	15	0.55

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

8¾" aperture

Vandal resistant lensed downlights



Standard dimming options*

No dimming options currently available

Reflector finish options

Lens Reflector finish	White Flange	Aperture matching flange	Flangeless
Flush Opal Lens, White Cone	VWH	N/A	N/A

How to specify

Trim kit	Frame-in kit
8098V WH	8242HUV

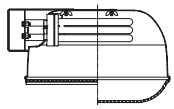
* Some dimming options not available on all products.

Trim/frame compatibility

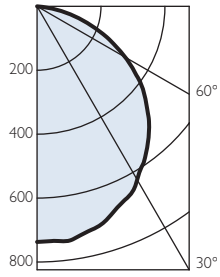
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
8"	8098VWH	8242HUV	10"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	14"	5 1/8"

8¾" Aperture (2) 32W Triple tube

Reflector trim: 8098VWH CLW



Lamp lumens: 2400
Efficiency: 43%
Luminaire lumens: 2066
Spacing ratio: 1.3



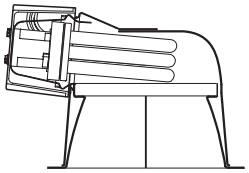
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	85	2.47
6'	60	1.74
8'	35	1.01
10	22	.64
10'	11	0.39

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

6" & 7" aperture

Cross blade louver downlight



How to specify

Trim kit		Frame-in kit
8091CB	W	S6132BU

Standard dimming options*

S6132B ☐ **(add suffix in box)**

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

* Some dimming options not available on all products. See product specification sheet for details.

Reflector finish options

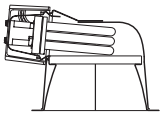
Lens Reflector finish	White flange	Aperture matching flange	Flangeless
Clear Cone	CBW	N/A	N/A
Aluminum Cone	CBA	N/A	N/A

Trim/frame compatibility

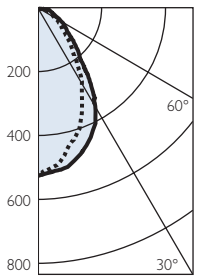
Aperture	Trim kit	Frame-In Kits	Ceiling Cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
6"	8091CB	S6132BU	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	10"	6"
		S6132BUEM	6 9/16"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	11 9/16"	6"
7"	8097CB	S7132BU	8"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	11 3/8"	6 1/2"
		S7132BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	12 15/16"	6 1/2"
		S7142BU	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	11 3/8"	6 1/2"
		S7142BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32/42W	20"- 30"	12 15/16	6 1/2"
7"	8096CB	7218HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 18W	20"- 30"	11 3/8"	6 7/8"
		S7226HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 26W	20"- 30"	11 3/8"	6 7/8"

6" Aperture 32W Triple tube

Reflector trim: 8091CB CLW



Report No.0194 FR
Lamp lumens: 2400
Efficiency: 33%
Luminaire lumens: 804
Spacing ratio: 1.1
Cut-off: 50°



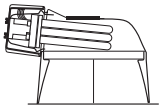
Multiple unit data (42W)

Spacing on center	Initial footcandles	Watts per sq ft
5'	31	1.40
6'	21	0.97
8'	12	0.56
9'	9	0.43
10'	8	0.35

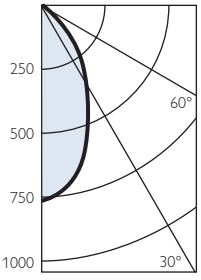
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" Aperture 42W Triple tube

Reflector trim: 8097CB CLW



Report No.LSI12581
Lamp lumens: 3200
Efficiency: 30%
Luminaire lumens: 953
Spacing ratio: 0.8
Cut-off: 50°



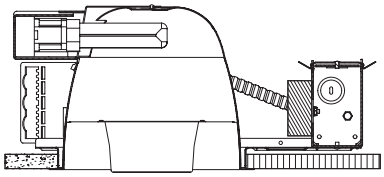
Multiple unit data (42W)

Spacing on center	Initial footcandles	Watts per sq ft
5'	41	1.68
6'	28	1.17
7'	21	0.67
8'	16	0.52
9'	13	0.42

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" & 8" aperture

Parabolic louver downlight



Standard dimming options*

7218H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Lens Reflector finish	White Flange	Aperture matching flange	Flangeless
Turbo Louver, White Cone	TBW	N/A	N/A

How to specify

Trim kit	Frame-in kit
8056TB ☐ W	**7218HU**

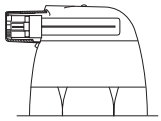
* Some dimming options not available on all products. See product specification sheet for details.

Trim/frame compatibility

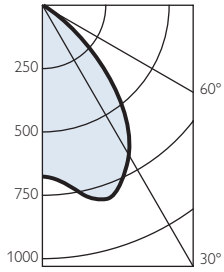
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
7"	8056TB	S7218HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 18W	20"- 30"	11 3/8"	6 7/8"
7"	8056TB	S7126HU	8"	Non-IC	Electronic	120/277V	DTT	26W	20"- 30"	11 3/8"	6 7/8"
7"	8056TB	S7226HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 26W	20"- 30"	11 3/8"	6 7/8"
7"	8037TB	S7142BU	8"	Non-IC	Electronic	120/277V	TTT	26/32/42W	20"- 30"	11 3/8"	7 3/4"
8"	8038TB	S8242HU	9 1/4"	Non-IC	Electronic	120/277V	TTT	(2) 26/32/42W	20"- 30"	11 3/8"	8"

7" Aperture (2) 18W quad

Reflector trim: 8056TB ☐ W



Report No. LSC 6701
Lamp lumens: 2500
Efficiency: 40%
Luminaire lumens: 1007
Spacing ratio: 1.4
Cut-off: 50°



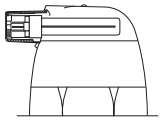
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	45	1.56
6'	31	1.08
8'	18	0.61
9'	14	0.48
10'	11	0.39

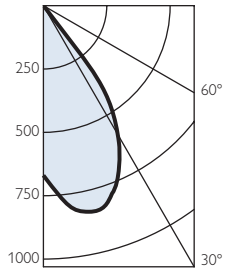
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" Aperture (2) 26W quad tube

Reflector trim: 8056TB ☐ W



Report No. LSG 6477
Lamp lumens: 3600
Efficiency: 37%
Luminaire lumens: 1317
Spacing ratio: 1.4
Cut-off: 50°



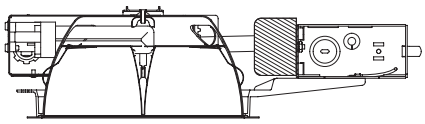
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	59	2.20
6'	41	1.53
8'	23	0.86
9'	18	0.68
10'	15	0.55

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

7" & 8" aperture

Low profile parabolic louver downlight



How to specify

Trim kit	Frame-in kit
8067 CLW	7213LPM120

Standard dimming options*

No dimming options currently available

Reflector finish options

Lens Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

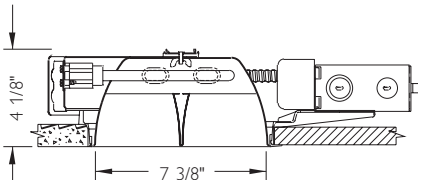
* Some dimming options not available on all products. See product specification sheet for details.

Trim/frame compatibility

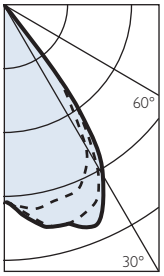
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
7"	8067	7213LPM120	8"	Non-IC	Electronic	120/277V	DTT	(2) 13W	20"- 30"	10"	6"
7"	8067	7213LPM277	8"	Non-IC	Electronic	120/277V	DTT	(2) 18W	20"- 30"	10"	6"
8"	8068	8218LPU	9 1/4"	Non-IC	Electronic	120/277V	DTT	(2) 18W	20"- 30"	11 3/8"	6 7/8"
8"	8068	8226LPU	9 1/4"	Non-IC	Electronic	120/277V	DTT	(2) 26W	20"- 30"	11 3/8"	6 7/8"

7" Aperture (2) 13W Twin tube

Reflector trim: 8067



Report No. 1162FH
Lamp lumens: 1,600
Efficiency: 46.4%
Spacing ratio: 1.2
Cut-off: 50°



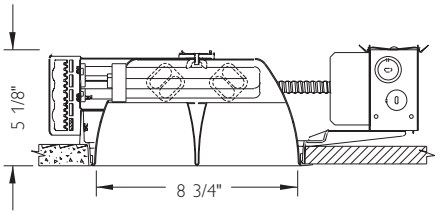
Multiple unit data

Spacing on center	Initial footcandles	Watts per sq ft
5'	33	1.28
6'	23	0.89
7'	17	0.65
8'	13	0.50
9'	10	0.40

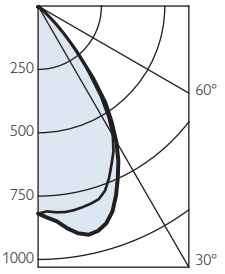
75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

8" Aperture (2) 18W quad tube

Reflector trim: 8068



Lamp lumens: 2,320
Efficiency: 44.5%
Spacing ratio: 1.1
Cut-off: 50°



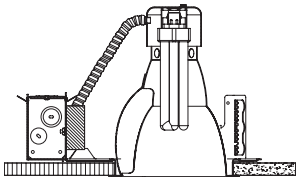
Multiple unit data (18W)

Spacing on center	Initial footcandles	Watts per sq ft
5'	46	1.56
6'	32	1.08
7'	18	0.61
8'	14	0.48
9'	12	0.39

75' x 75' x 10' room, workplane 2½' above floor, 80/50/20% reflectances.

4", 6" & 7" aperture

Vertical open wall washer



Standard dimming options*

S6132B ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Reflector finish	White Flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

How to specify

Trim kit	Frame-in kit
8021WW CLW	S6132BU

* Some dimming options not available on all products. See product specification sheet for details.

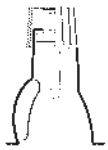
Trim/frame compatibility

Aperture	Trim kit	Frame-in kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
4"	8011WW	4118VU	5 1/16"	Non-IC	Electronic	120/277V	TRT	18W	20"- 30"	8 1/16"	8"
6"	8021WW*	S6132BU	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	10"	9 3/4"
7"	8022WW	S7132BU	8"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	11 3/8"	11¼"
7"	8022WW*	S7142BU	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	11 3/8"	11¼"

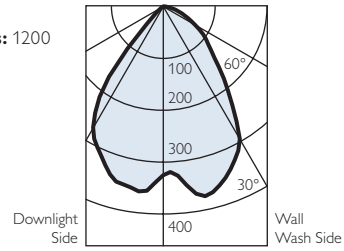
*Corner (CW) and Double (DW) wall washers also available

4½" 18W Triple tube

Reflector trim: 8011 CCLW



Lamp lumens: 1200
Cut-off: 50°



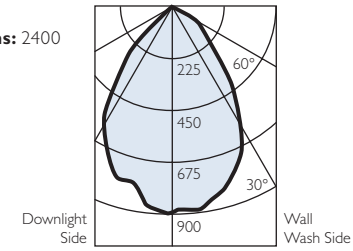
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 4' on center	4'	
1	12	7	12
2	13	10	13
3	13	14	13
4	11	11	11
5	9	8	9
6	7	7	7
7	5	5	5
8	4	4	4
9	3	4	3

6" 32W Triple tube

Reflector trim: 8021 CCLW

Lamp lumens: 2400
Cut-off: 50°

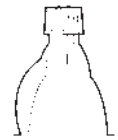


Multiple units Footcandles on wall

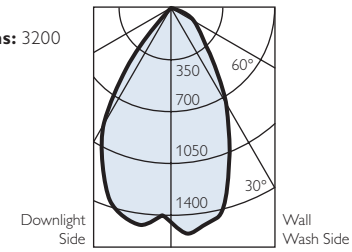
Distance from ceiling in feet	3' from wall - 4' on center	4'	
1	11	11	11
2	18	18	18
3	20	20	20
4	22	19	21
5	20	18	20
6	17	16	17
7	15	13	14
8	12	11	12
9	11	10	10

7" 42W Triple tube

Reflector trim: 8022 CCLW



Lamp lumens: 3200
Cut-off: 50°

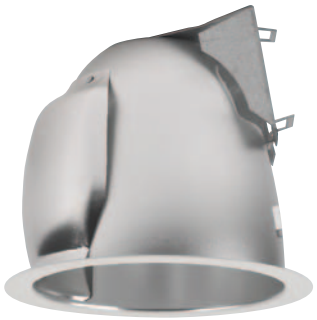


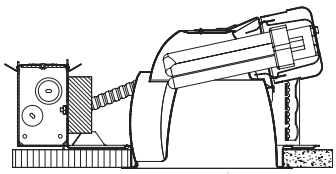
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 4' on center	4'	
1	14	14	14
2	22	22	22
3	21	20	21
4	20	19	20
5	20	18	20
6	18	17	18
7	16	16	16
8	14	14	14
9	13	12	13

6" & 7" aperture

Horizontal open wall washer (1 lamp)





How to specify

Trim kit	Frame-in kit
8081 CLW	S6132BU

Standard dimming options*

S6132B ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec	120/277V
J1LD3	HDF	120V
J2LD3	Lutron 3%	277V
JUM7	Lutron 3%	120/277V
J1MX	Mark 7	120V
J2MX	Mark 10	277V
	Mark 10	

Reflector finish options

Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

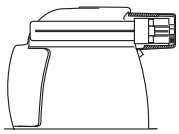
* Some dimming options not available on all products. See product specification sheet for details.

Trim/frame compatibility

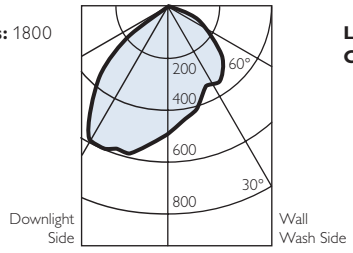
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
6"	8081	S6132BU	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	10"	6 5/8"
		S6132BUEM	6 9/16"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	11 9/16"	6 5/8"
7"	8087	S7132BU	8"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	11 3/8"	7 3/4"
		S7132BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	12 15/16"	7 3/4"
		S7142BU	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	11 3/8"	7 3/4"
		S7142BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32/42W	20"- 30"	12 15/16"	7 3/4"

6" Aperture 26W Triple tube

Reflector trim: 8081 CCLW



Lamp lumens: 1800
Cut-off: 55°

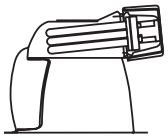


Multiple units Footcandles on wall

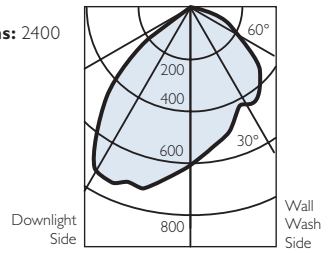
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	16	15	16
2	25	24	25
3	27	29	17
4	25	26	25
5	21	22	21
6	18	18	18
7	15	15	15
8	13	13	13
9	11	11	11

6" Aperture 32W Triple tube

Reflector trim: 8081 CCLW



Lamp lumens: 2400
Cut-off: 55°

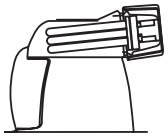


Multiple units Footcandles on wall

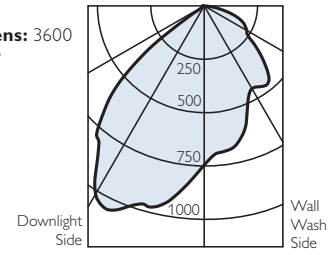
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	16	15	16
2	25	24	25
3	27	29	17
4	25	26	25
5	21	22	21
6	18	18	18
7	15	15	15
8	13	13	13
9	11	11	11

7" Aperture 42W quad tube

Reflector trim: 8087



Lamp lumens: 3600
Cut-off: 55°

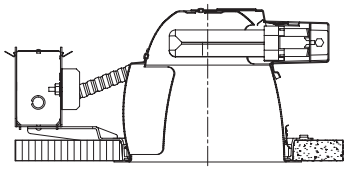


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	16	14	16
2	30	30	30
3	27	29	27
4	24	26	24
5	22	23	22
6	19	20	19
7	16	16	16
8	13	13	13
9	11	11	11

6" & 7" aperture

Horizontal open wall washer (2 lamp)



Standard dimming options*

6213H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Lens Reflector finish	White flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

* Some dimming options not available on all products. See product specification sheet for details.

How to specify

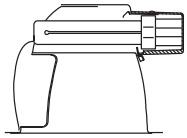
Trim kit	Frame-in kit
8082 ☐ CLW	**6213HU**

Trim/frame compatibility

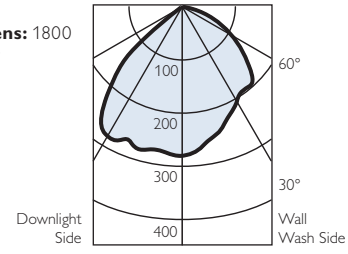
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
6"	8082	6213HU	6 9/16"	Non-IC	Electronic	120/277V	DTT	(2) 13W	20"- 30"	10"	6"
		6213HUEM	6 9/16"	Non-IC	Emergency	120/277V	DTT	(2) 13W	20"- 30"	11 15/16"	6"
6"	8084	6218HU	6 9/16"	Non-IC	Electronic	120/277V	DTT	(2) 18W	20"- 30"	10"	6"
		6218HUEM	6 9/16"	Non-IC	Emergency	120/277V	DTT	(2) 18W	20"- 30"	11 15/16"	6"
7"	8086	7218HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 18W	20"- 30"	11 3/8"	6 7/8"
		7218HUEM	8"	Non-IC	Emergency	120/277V	DTT	(2) 18W	20"- 30"	11 15/16"	6 7/8"
7"	8086	S7226HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 26W	20"- 30"	11 3/8"	6 7/8"
		S7226HUEM	8"	Non-IC	Emergency	120/277V	DTT	(2) 26W	20"- 30"	11 15/16"	6 7/8"

6" Aperture (2) 13W quad tube

Reflector trim: 8082



Lamp lumens: 1800
Cut-off: 55°

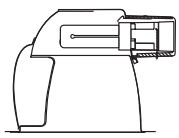


Multiple units Footcandles on wall

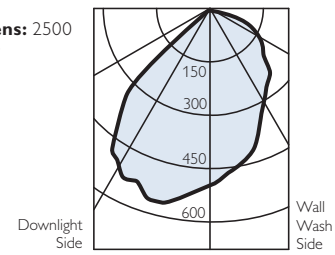
Distance from ceiling in feet	3' from wall - 3' on center: 3'			
1	5	4	5	
2	11	12	11	
3	13	14	13	
4	12	14	12	
5	11	12	11	
6	9	10	9	
7	7	8	7	
8	6	6	6	
9	5	5	5	

6" Aperture (2) 18W quad tube

Reflector trim: 8084



Lamp lumens: 2500
Cut-off: 55°

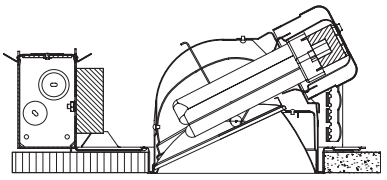


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center: 3'			
1	8	6	8	
2	13	10	13	
3	13	10	13	
4	11	8	11	
5	9	8	9	
6	8	7	8	
7	7	6	7	
8	6	5	6	
9	5	4	5	

6" & 7" aperture

Horizontal lensed wall washer



How to specify

Trim kit	Frame-in kit
8046 CLW	S6132BU

Standard dimming options*

S6132BU ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Reflector finish	White Flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

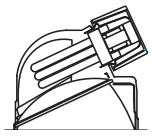
* Some dimming options not available on all products. See product specification sheet for details.

Trim/frame compatibility

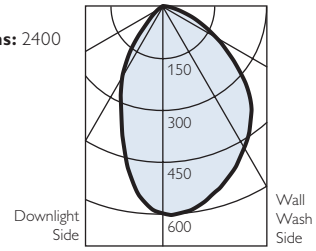
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
6"	8046	S6132BU	6 9/16"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	10"	6 3/4"
		S6132BUEM	6 9/16"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	11 9/16"	6 3/4"
7"	8047	S7132BU	8"	Non-IC	Electronic	120/277V	TRT	26/32W	20"- 30"	11 3/8"	7 3/8"
		S7132BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32W	20"- 30"	12 15/16"	7 3/8"
		S7142BU	8"	Non-IC	Electronic	120/277V	TRT	26/32/42W	20"- 30"	11 3/8"	7 3/8"
		S7142BUEM	8"	Non-IC	Emergency-integral	120/277V	TRT	26/32/42W	20"- 30"	12 15/16"	7 3/8"

6" Aperture 32W Triple tube

Reflector trim: 8046 CCLW



Lamp lumens: 2400

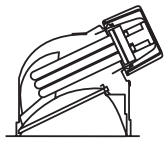


Multiple units Footcandles on wall

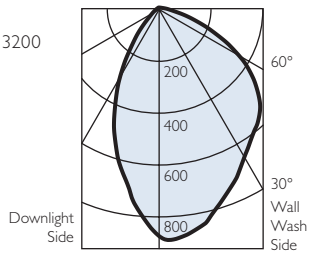
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	9	8	9
2	19	18	19
3	22	21	22
4	19	19	19
5	16	16	16
6	13	13	13
7	11	11	11
8	9	9	9
9	8	8	8

7" Aperture 42W Triple tube

Reflector trim: 8047 CCLW



Lamp lumens: 3200

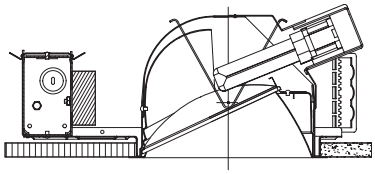


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	16	12	16
2	34	32	34
3	36	37	36
4	31	31	31
5	25	26	25
6	21	21	21
7	17	17	17
8	15	15	15
9	13	13	13

7" aperture

Horizontal lensed wall washer



Standard dimming options*

7218H ☐ (add suffix in box)

Suffix	Ballast	Input voltage
CU3	PowerSpec HDF	120/277V
J1LD3	Lutron 3%	120V
J2LD3	Lutron 3%	277V
JUM7	Mark 7	120/277V
J1MX	Mark 10	120V
J2MX	Mark 10	277V

Reflector finish options

Lens Reflector finish	White Flange	Aperture matching flange	Flangeless
Specular clear	CLW	CLP	CL
Comfort clear	CCLW	CCLP	CCL
Comfort clear diffuse	CCDW	CCDP	CCD
Champagne bronze	CCZW	CCZP	CCZ
White	WHW	N/A	WH

How to specify

Trim kit	Frame-in kit
8044 ☐WH	7218HU

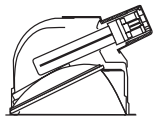
* Some dimming options not available on all products. See product specification sheet for details.

Trim/frame compatibility

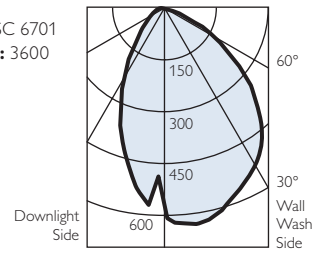
Aperture	Trim kit	Frame-In Kits	Ceiling cutout	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
7"	8044	7218HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 18W	20"- 30"	11 3/8"	6 3/4"
		7218HUEM	8"	Non-IC	Emergency	120/277V	DTT	(2) 18W	20"- 30"	11 15/16"	6 3/4"
7"	8044	S7226HU	8"	Non-IC	Electronic	120/277V	DTT	(2) 26W	20"- 30"	11 3/8"	6 3/4"
		S7226HUEM	8"	Non-IC	Emergency	120/277V	DTT	(2) 26W	20"- 30"	11 15/16"	6 3/4"

7" Aperture (2) 26W quad tube

Reflector trim: 8044

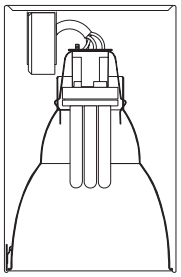


Report No. LSC 6701
Lamp lumens: 3600



Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	12	11	12
2	26	26	26
3	30	30	30
4	26	27	26
5	21	22	21
6	17	17	17
7	14	14	14
8	12	12	12
9	11	11	11



6", 7" & 8" aperture

Surface cylinder and drum

Standard dimming options*

Consult specification sheet for available options

Reflector finish options

Lens	White Flange
Reflector finish	
Comfort clear	CLW
Comfort clear diffuse	CCLW
Champagne bronze	CCDW
	CCZW
	WHW

* Some reflector/cylinder finish options not available on all products. See product specification sheet for details.

How to specify

Cylinder (complete unit)

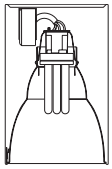
CS6132VU CCL

Trim/frame compatibility

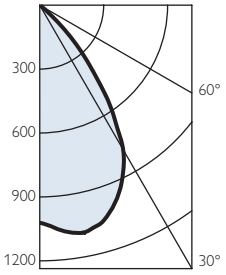
Aperture	Cylinder	Description	Ballast	Input voltage	Lamp	Wattage	Width	Height
6"	CS6132V	6" Ceiling mount	Electronic	120/277V	TTT	26/32W	6 1/2"	10 1/4"
7"	CS7142V	7" Ceiling mount	Electronic	120/277V	TTT	26/32/42W	7 7/8"	12 1/8"
8"	CS8142H	8" Ceiling mount	Electronic	120/277V	TTT	26/32/42W	11 ¼"	11 1/2"
8"	CS8242H	8" Ceiling mount	Electronic	120/277V	TTT	(2) 26/32/42W	11 ¼"	11 1/2"
8"	CS8226H	8" Ceiling mount	Electronic	120/277V	DTT	(2) 26W	11 ¼"	11 1/2"
8"	CS8218LP	8" Ceiling mount	Electronic	120/277V	DTT	(2) 18W	13 1/2"	5 3/8"
8"	CS8226LP	8" Ceiling mount	Electronic	120/277V	DTT	(2) 26W	13 1/2"	5 3/8"

6" Aperture (1) 32W quad tube

Reflector trim: CS6132V



Lamp lumens: 2400
Watts: 26/26 36/36
Efficiency: 52.7%
Luminaire lumens: 1265
Spacing ratio: 1.1
Cut-off: 50°

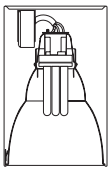


Multiple units Footcandles on wall

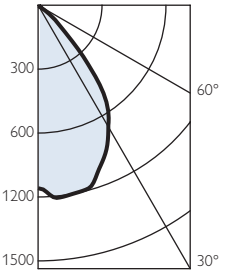
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	8	6	8
2	13	10	13
3	13	10	13
4	11	8	11
5	9	8	9
6	8	7	8
7	7	6	7
8	6	5	6
9	5	4	5

7" Aperture (2) 18W quad tube

Reflector trim: CS7142V



Lamp lumens: 3200
Watts:36/36 47/47
Efficiency: 59%
Luminaire lumens: 1908
Spacing ratio: 0.9
Cut-off: 50°



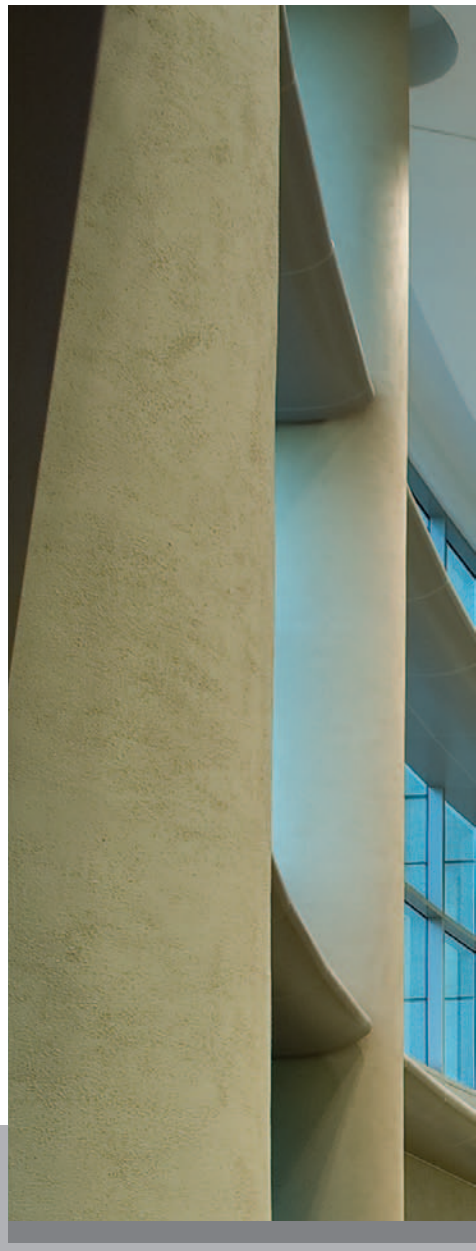
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	16	14	16
2	30	30	30
3	27	29	27
4	24	26	24
5	22	23	22
6	19	20	19
7	16	16	16
8	13	13	13
9	11	11	11

MAYER BROWN

HID lighting

Calculite Ceramic Metal Halide (CMH) downlights provide outstanding color rendering and high luminous efficiency. Using specially designed optics, the downlights offer a broad assortment of light distributions in 4", 4x4", 6", 7", 9" and 12" apertures.



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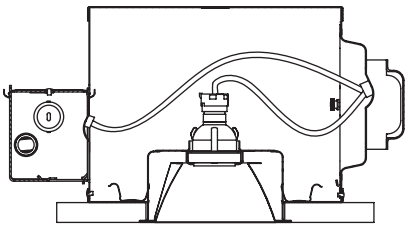
ED/BD17/PAR surface cylinders > 1.84

4 ½" x 4 ½" aperture

CMH MR16 open downlight



Ceiling cutout:: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

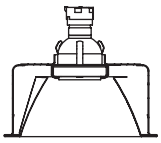
Trim kit	Frame-in kit
C4X4MRD CLW	C4X4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C4X420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 ¾"	7 ½"
C4X439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 ¾"	7 ½"

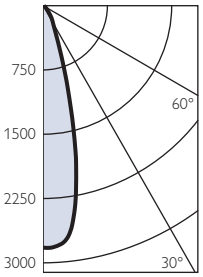
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" x 4 ½" 20W CMH MR16 25°

Reflector trim: C4X4MRD CLW



Report: 3415FR
Lamp: 20W CMH MR16 25° GX10 Base
Initial lumens: 1,000
Efficiency: 95.8%
Spacing: 0.5



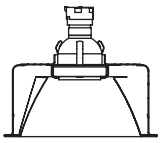
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
4'	54	1.63
5'	38	1.13
6'	24	0.72

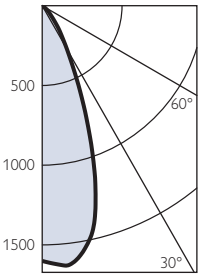
75' x 75' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances.

4 ½" x 4 ½" 20W CMH MR16 40°

Reflector trim: C4X4MRD CLW



Report: 3414FR
Lamp: 20W CMH MR16 40° GX10 Base
Initial lumens: 1,000
Efficiency: 94.6%
Spacing: 0.7



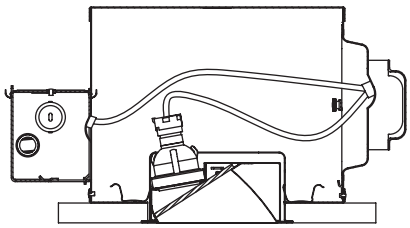
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
4'	53	1.63
5'	37	1.13
6'	24	0.72

75' x 75' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances.

4 ½" x 4 ½" aperture

CMH MR16 lensed wall washer



Ceiling cutout:: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

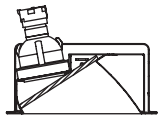
Trim kit	Frame-in kit
C4X4MRL CLW	C4X4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C4X420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 ¾"	7 ½"
C4X439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 ¾"	7 ½"

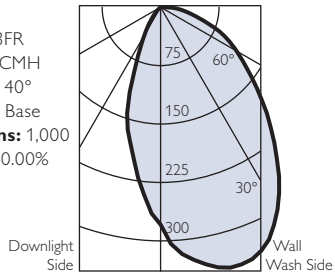
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" x 4 ½" 20W CMH MR16 40°

Reflector trim: C4X4MRL CLW



Report: 3413FR
Lamp: 20W CMH MR16 40° GX10 Base
Initial lumens: 1,000
Efficiency: 40.00%

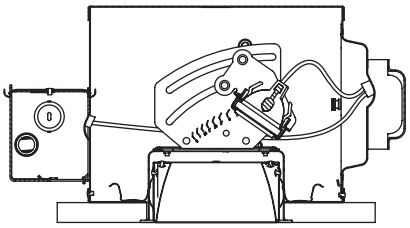


Multiple units Footcandles on wall

Distance from ceiling in feet	2' from Wall - 2' On Center	2'	
1	23	22	23
2	26	25	26
3	21	20	21
4	15	15	15
5	11	11	11
6	8	8	8
7	7	6	7
8	5	5	5
9	4	4	4
10	4	4	4

4 ½" x 4 ½" aperture

CMH MR16 adjustable accent



Ceiling cutout:: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

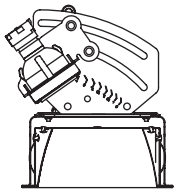
Trim kit	Frame-in kit
C4X4MRA CLW	C4X4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C4X420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 ¾"	7 ½"
C4X439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 ¾"	7 ½"

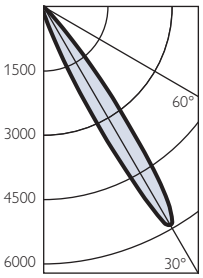
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" x 4 ½" 20W CMH MR16 12°

Reflector trim: C4X4MRA CLW



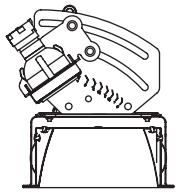
Report: 3420FR
Lamp: 20W CMH MR16 12° GX10 Base
Initial lumens: 1,000
Efficiency: 88.2%



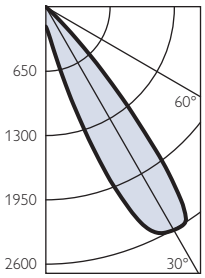
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	106	1.7'	1.5'	2'	3.5'	184	1.7'	0.8'
8'	4.6'	60	2.3'	1.9'	3'	5.2'	82	2.6'	1.3'
10'	5.8'	38	2.8'	2.4'	4'	6.9'	46	3.5'	1.7'
12'	6.9'	27	3.4'	2.9'	5'	8.7'	29	4.3'	2.1'
14'	8.1'	20	3.9'	3.4'	6'	10.4'	20	5.2'	2.5'

4 ½" x 4 ½" 20W CMH MR16 25°

Reflector trim: C4X4MRA CLW



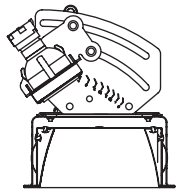
Report: 3419FR
Lamp: 20W CMH MR16 25° GX10 Base
Initial lumens: 1,000
Efficiency: 71.2%



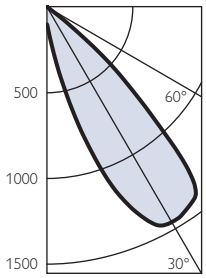
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	47	3.6'	3.1'	2'	3.5'	81	4.2'	1.8'
8'	4.6'	26	4.8'	4.1'	3'	5.2'	36	6.2'	2.7'
10'	5.8'	17	6.0'	5.1'	4'	6.9'	20	8.3'	3.5'
12'	6.9'	12	7.2'	6.1'	5'	8.7'	13	10.4'	4.4'
14'	8.1'	9	8.4'	7.2'	6'	10.4'	9	12.5'	5.3'

4 ½" x 4 ½" 20W CMH MR16 40°

Reflector trim: C4X4MRA CLW



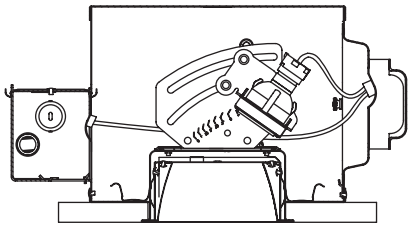
Report: 3417FR
Lamp: 20W CMH MR16 40° GX10 Base
Initial lumens: 1,000
Efficiency: 85.4%



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	26	4.4'	3.7'	2'	3.5'	45	5.5'	2.1'
8'	4.6'	15	5.9'	5.0'	3'	5.2'	20	8.2'	3.2'
10'	5.8'	9	7.3'	6.2'	4'	6.9'	11	10.9'	4.3'
12'	6.9'	7	8.8'	7.4'	5'	8.7'	7	13.7'	5.4'
14'	8.1'	5	10.2'	8.7'	6'	10.4'	5	16.4'	6.4'

4 ½" x 4 ½" aperture

CMH MR16 lensed adjustable accent



Ceiling cutout:: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

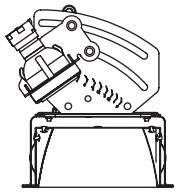
Trim kit	Frame-in kit
C4X4MRW CLW	C4X4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C4X420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 ¾"	7 ½"
C4X439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 ¾"	7 ½"

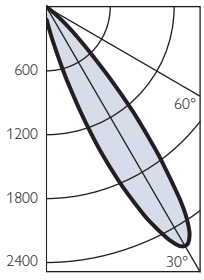
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" x 4 ½" 20W CMH MR16 12°

Reflector trim: C4X4MRW CLW



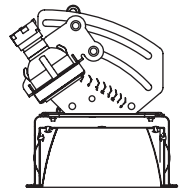
Report: 3421FR
Lamp: 20W CMH MR16 12° GX10 Base
Initial lumens: 1,000
Efficiency: 78.4%



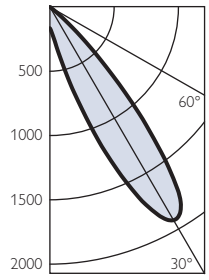
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	47	1.7'	1.5'	2'	3.5'	81	1.7'	0.8'
8'	4.6'	26	2.3'	1.9'	3'	5.2'	36	2.6'	1.3'
10'	5.8'	17	2.8'	2.4'	4'	6.9'	20	3.5'	1.7'
12'	6.9'	12	3.4'	2.9'	5'	8.7'	13	4.3'	2.1'
14'	8.1'	9	3.9'	3.4'	6'	10.4'	9	5.2'	2.5'

4 ½" x 4 ½" 20W CMH MR16 25°

Reflector trim: C4X4MRW CLW



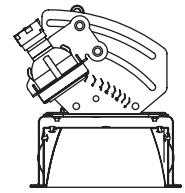
Report: 3418FR
Lamp: 20W CMH MR16 25° GX10 Base
Initial lumens: 1,000
Efficiency: 63.2%



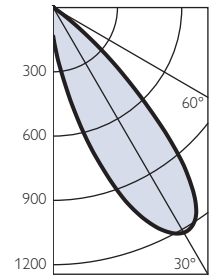
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	35	3.1'	2.7'	2'	3.5'	60	3.5'	1.6'
8'	4.6'	19	4.2'	3.6'	3'	5.2'	27	5.3'	2.3'
10'	5.8'	12	5.2'	4.5'	4'	6.9'	15	7.0'	3.1'
12'	6.9'	9	6.3'	5.4'	5'	8.7'	10	8.8'	3.9'
14'	8.1'	6	7.3'	6.3'	6'	10.4'	7	10.5'	4.7'

4 ½" x 4 ½" 20W CMH MR16 40°

Reflector trim: C4X4MRW CLW



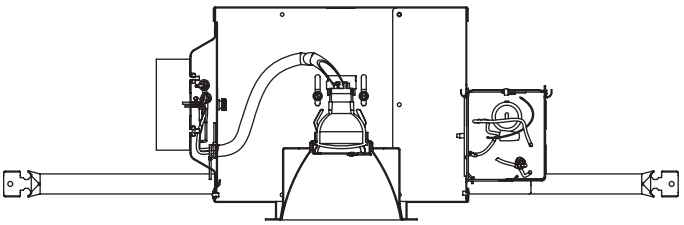
Report: 3416FR
Lamp: 20W CMH MR16 40° GX10 Base
Initial lumens: 1,000
Efficiency: 69.6%



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	22	4.4'	3.7'	2'	3.5'	38	5.5'	2.1'
8'	4.6'	12	5.9'	5.0'	3'	5.2'	17	8.2'	3.2'
10'	5.8'	8	7.3'	6.2'	4'	6.9'	9	10.9'	4.3'
12'	6.9'	5	8.8'	7.4'	5'	8.7'	6	13.7'	5.4'
14'	8.1'	4	10.2'	8.7'	6'	10.4'	4	16.4'	6.4'

4 ½" aperture

CMH MR16 downlight



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

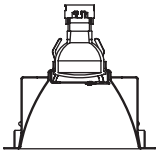
Trim kit	Frame-in kit
C4MRD CLW	C4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 5⁄8"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 5⁄8"	7 7⁄16"

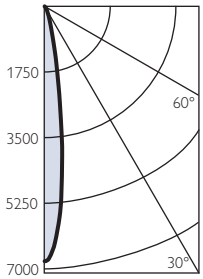
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 12° SP

Reflector trim: C4MRD CLW



Report: 3405FR
Lamp: 20W CMH MR16 12° GX10 Base
Initial lumens: 1,000
Efficiency: 91.2%
Spacing: 0.3



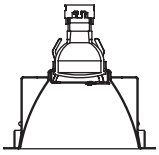
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
8'	106	2.5'
10'	68	3'
12'	47	3.5'

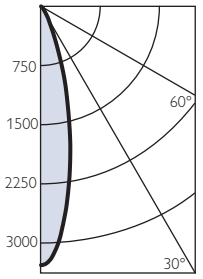
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" 20W CMH MR16 25° FL

Reflector trim: C4MRD CLW



Report: 3392FR
Lamp: 20W CMH MR16 25° GX10 Base
Initial lumens: 1,000
Efficiency: 92.5%
Spacing: 0.4



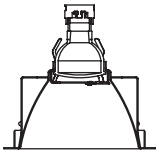
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	91	2.5'
8'	51	3.2'
10'	33	4'

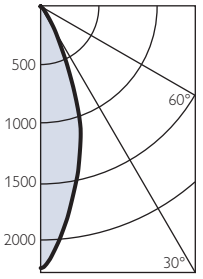
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" 20W CMH MR16 40° WFL

Reflector trim: C4MRD CLW



Report: 3391FR
Lamp: 20W CMH MR16 40° GX10 Base
Initial lumens: 1,000
Efficiency: 92.7%
Spacing: 0.6



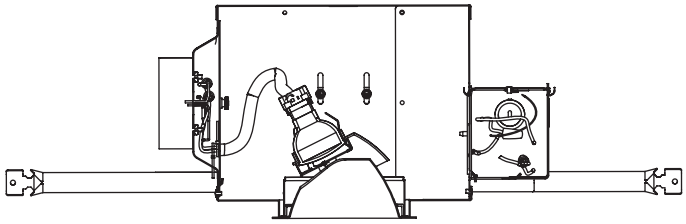
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	62	4'
8'	35	5'
10'	22	6'

Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" aperture

CMH MR16 open adjustable accent



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

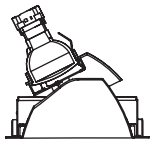
Trim kit	Frame-in kit
C4MRA CLW	C4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9⅝"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9⅝"	7 7⁄16"

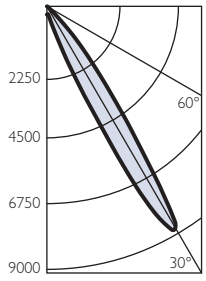
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 12° SP

Reflector trim: C4MRA CLW



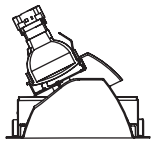
Report: 3403FR
Lamp: 20W CMH MR16 12° GX10 BASE



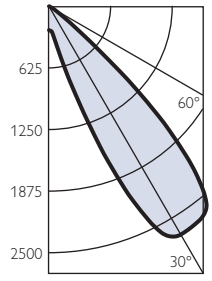
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	158	1.7'	1.5'	2'	3.5'	274	1.7'	0.8'
8'	4.6'	89	2.3'	1.9'	3'	5.2'	122	2.6'	1.3'
10'	5.8'	57	2.8'	2.4'	4'	6.9'	69	3.5'	1.7'
12'	6.9'	40	3.4'	2.9'	5'	8.7'	44	4.3'	2.1'
14'	8.1'	29	3.9'	3.4'	6'	10.4'	30	5.2'	2.5'

4 ½" 20W CMH MR16 25° FL

Reflector trim: C4MRA CLW



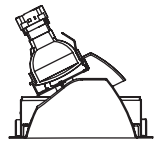
Report: 3394FR
Lamp: 20W CMH MR16 25° GX10 BASE



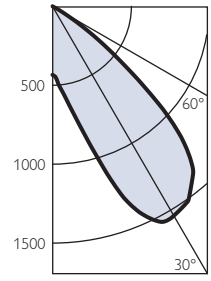
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	48	3.6'	3.1'	2'	3.5'	84	4.2'	1.8'
8'	4.6'	27	4.8'	4.1'	3'	5.2'	37	6.2'	2.7'
10'	5.8'	17	6.0'	5.1'	4'	6.9'	21	8.3'	3.5'
12'	6.9'	12	7.2'	6.1'	5'	8.7'	13	10.4'	4.4'
14'	8.1'	9	8.4'	7.2'	6'	10.4'	9	12.5'	5.3'

4 ½" 20W CMH MR16 40° WFL

Reflector trim: C4MRA CLW



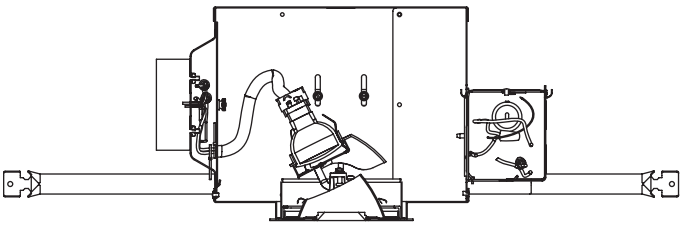
Report: 3386FR
Lamp: 20W CMH MR16 40° GX10 BASE



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	28	6.1'	5.0'	2'	3.5'	48	9.7'	2.9'
8'	4.6'	16	8.1'	6.7'	3'	5.2'	21	14.5'	4.4'
10'	5.8'	10	10.2'	8.4'	4'	6.9'	12	19.3'	5.8'
12'	6.9'	7	12.2'	10.1'	5'	8.7'	8	24.2'	7.3'
14'	8.1'	5	14.2'	11.8'	6'	10.4'	5	29.0'	8.7'

4 ½" aperture

CMH MR16 pinhole adjustable accent



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

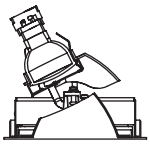
Trim kit	Frame-in kit
C4MR2 CCLW	C4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 3⁄8"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 3⁄8"	7 7⁄16"

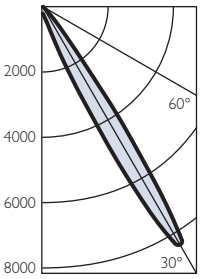
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 12° SP

Reflector trim: C4MR2 CCLW



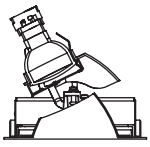
Report: 3401FR
Lamp: 20W CMH MR16 12° GX10 Base



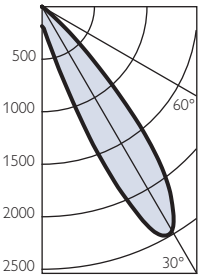
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	152	1.7'	1.5'	2'	3.5'	263	1.7'	0.8'
8'	4.6'	85	2.3'	1.9'	3'	5.2'	117	2.6'	1.3'
10'	5.8'	55	2.8'	2.4'	4'	6.9'	66	3.5'	1.7'
12'	6.9'	38	3.4'	2.9'	5'	8.7'	42	4.3'	2.1'
14'	8.1'	28	3.9'	3.4'	6'	10.4'	29	5.2'	2.5'

4 ½" 20W CMH MR16 25° FL

Reflector trim: C4MR2 CCLW



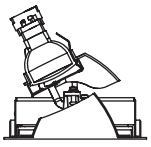
Report: 3395FR
Lamp: 20W CMH MR16 25° GX10 Base



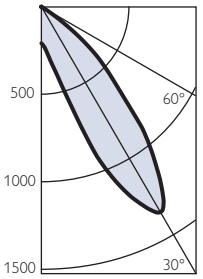
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	45	3.6'	3.1'	2'	3.5'	77	4.2'	1.8'
8'	4.6'	25	4.8'	4.1'	3'	5.2'	34	6.2'	2.7'
10'	5.8'	16	6.0'	5.1'	4'	6.9'	19	8.3'	3.5'
12'	6.9'	11	7.2'	6.1'	5'	8.7'	12	10.4'	4.4'
14'	8.1'	8	8.4'	7.2'	6'	10.4'	9	12.5'	5.3'

4 ½" 20W CMH MR16 35° WFL

Reflector trim: C4MR2 CCLW



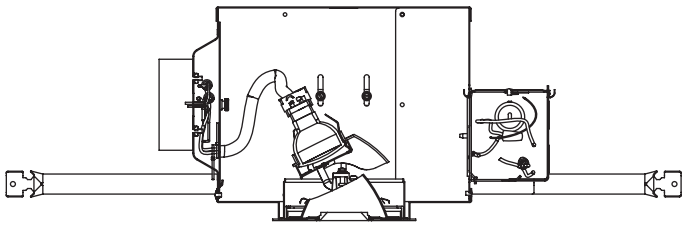
Report: 3386FR
Lamp: 20W CMH MR16 40° GX10 Base



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	24	5.2'	4.4'	2'	3.5'	42	7.2'	2.5'
8'	4.6'	14	7.0'	5.8'	3'	5.2'	19	10.8'	3.8'
10'	5.8'	9	8.7'	7.3'	4'	6.9'	11	14.4'	5.0'
12'	6.9'	6	10.4'	8.7'	5'	8.7'	7	18.0'	6.3'
14'	8.1'	4	12.2'	10.2'	6'	10.4'	5	21.6'	7.6'

4 ½" aperture

CMH MR16 pinhole adjustable accent



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

Trim kit	Frame-in kit
C4MRP BK	C4 20 MREU

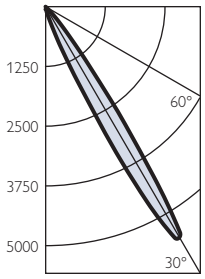
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 5⁄8"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 5⁄8"	7 7⁄16"

Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 12° SP

Reflector trim: C4MRP BK

Report: 3400FR
Lamp: 20W CMH MR16 12° GX10 Base

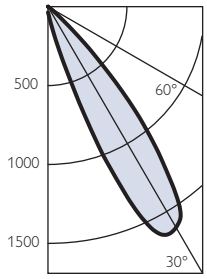


30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	101	1.7'	1.5'	2'	3.5'	175	1.7'	0.8'
8'	4.6'	57	2.3'	1.9'	3'	5.2'	78	2.6'	1.3'
10'	5.8'	36	2.8'	2.4'	4'	6.9'	44	3.5'	1.7'
12'	6.9'	25	3.4'	2.9'	5'	8.7'	28	4.3'	2.1'
14'	8.1'	19	3.9'	3.4'	6'	10.4'	19	5.2'	2.5'

4 ½" 20W CMH MR16 20° FL

Reflector trim: C4MRP BK

Report: 3397FR
Lamp: 20W CMH MR16 25° GX10 Base

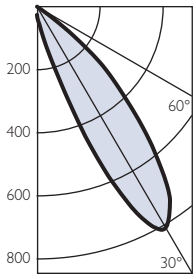


30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	29	2.9'	2.4'	2'	3.5'	51	3.1'	1.4'
8'	4.6'	16	3.8'	3.3'	3'	5.2'	22	4.7'	2.1'
10'	5.8'	11	4.8'	4.1'	4'	6.9'	13	6.2'	2.8'
12'	6.9'	7	5.7'	4.9'	5'	8.7'	8	7.8'	3.5'
14'	8.1'	5	6.7'	5.7'	6'	10.4'	6	9.3'	4.2'

4 ½" 20W CMH MR16 30° WFL

Reflector trim: C4MRP BK

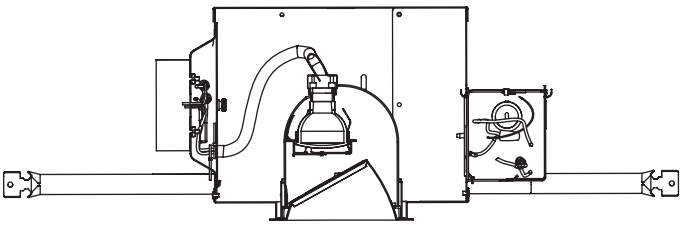
Report: 3387FR
Lamp: 20W CMH MR16 40° GX10 Base



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	15	4.4'	3.7'	2'	3.5'	25	5.5'	2.1'
8'	4.6'	8	5.9'	5.0'	3'	5.2'	11	8.2'	3.2'
10'	5.8'	5	7.3'	6.2'	4'	6.9'	6	10.9'	4.3'
12'	6.9'	4	8.8'	7.4'	5'	8.7'	4	13.7'	5.4'
14'	8.1'	3	10.2'	8.7'	6'	10.4'	3	16.4'	6.4'

4 ½" aperture

CMH MR16 lensed wall wash



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

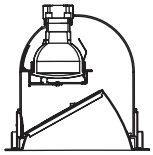
Trim kit	Frame-in kit
C4MRL CCLW	C4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 5⁄8"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 5⁄8"	7 7⁄16"

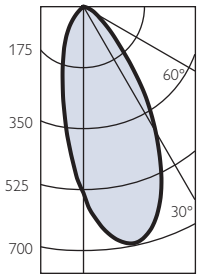
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 40° FL

Reflector trim: C4MRL CCLW



Report:
Lamp: 20W CMH MR16 40° GX10 Base

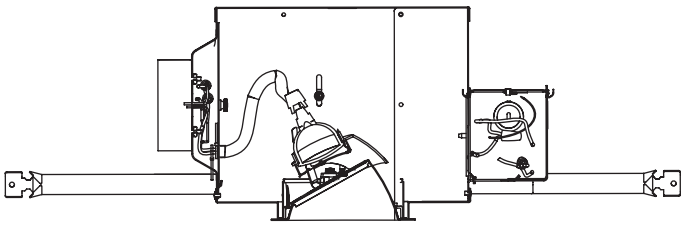


Multiple units Footcandles on wall

Distance from ceiling in feet	2' from Wall - 2' On Center	2'	
1	9	8	9
2	18	17	18
3	23	23	23
4	21	22	21
5	18	18	18
6	14	15	14
7	11	11	11
8	9	9	9
9	8	8	8
10	6	6	6

4 ½" aperture

CMH MR16 lensed adjustable accent



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

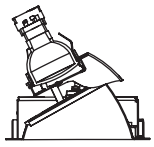
Trim kit	Frame-in kit
C4MRW CCLW	C4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 5⁄8"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 5⁄8"	7 7⁄16"

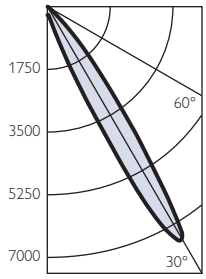
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 12° SP

Reflector trim: C4MRW CCLW



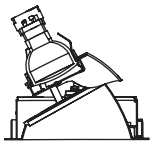
Report: 3404FR
MBCP: 7489 cd
Beam angle: 12°



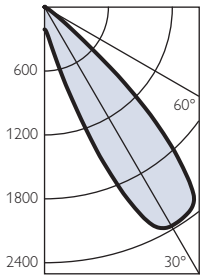
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	135	1.7'	1.5'	2'	3.5'	234	1.7'	0.8'
8'	4.6'	76	2.3'	1.9'	3'	5.2'	104	2.6'	1.3'
10'	5.8'	49	2.8'	2.4'	4'	6.9'	59	3.5'	1.7'
12'	6.9'	34	3.4'	2.9'	5'	8.7'	37	4.3'	2.1'
14'	8.1'	25	3.9'	3.4'	6'	10.4'	26	5.2'	2.5'

4 ½" 20W CMH MR16 25° FL

Reflector trim: C4MRW CCLW



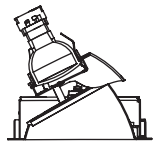
Report: 3393FR
MBCP: 2375 cd
Beam angle: 25°



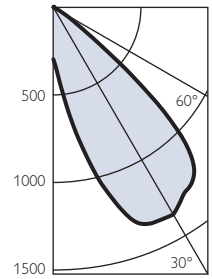
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	43	3.6'	3.1'	2'	3.5'	74	4.2'	1.8'
8'	4.6'	24	4.8'	4.1'	3'	5.2'	33	6.2'	2.7'
10'	5.8'	15	6.0'	5.1'	4'	6.9'	19	8.3'	3.5'
12'	6.9'	11	7.2'	6.1'	5'	8.7'	12	10.4'	4.4'
14'	8.1'	8	8.4'	7.2'	6'	10.4'	8	12.5'	5.3'

4 ½" 20W CMH MR16 40° WFL

Reflector trim: C4MRW CCLW



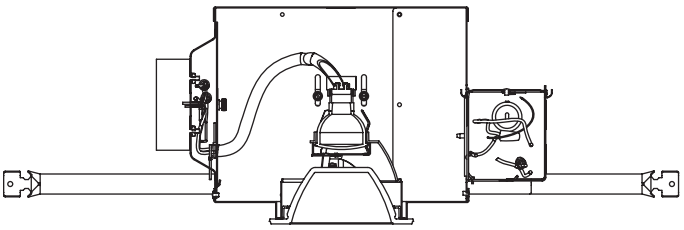
Report: 3390FR
MBCP: 1366 cd
Beam angle: 40°



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	25	6.1'	5.0'	2'	3.5'	43	9.7'	2.9'
8'	4.6'	14	8.1'	6.7'	3'	5.2'	19	14.5'	4.4'
10'	5.8'	9	10.2'	8.4'	4'	6.9'	11	19.3'	5.8'
12'	6.9'	6	12.2'	10.1'	5'	8.7'	7	24.2'	7.3'
14'	8.1'	5	14.2'	11.8'	6'	10.4'	5	29.0'	8.7'

4 ½" aperture

CMH MR16 Glasslite downlight



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

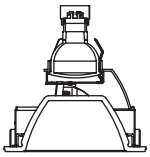
Trim kit	Frame-in kit
C4MRGD	C4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9⅝"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9⅝"	7 7⁄16"

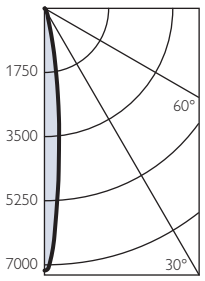
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 12° SP

Glass Trim: C4MRGD



Report: 3399FR
Lamp: 20W CMH MR16 12° GX10 Base
Initial lumens: 1,000
Efficiency: 87.7%
Spacing: 0.2



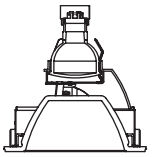
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
8'	112	1.6'
10'	72	2'
12'	50	2.4'

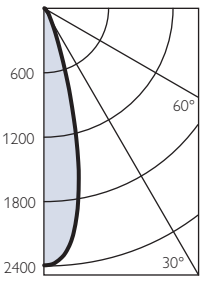
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" 20W CMH MR16 25° FL

Glass Trim: C4MRGD



Report: 3398FR
Lamp: 20W CMH MR16 25° GX10 Base
Initial lumens: 1,000
Efficiency: 76.7%
Spacing: 0.5



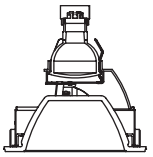
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	66	3'
8'	37	4'
10'	24	5'

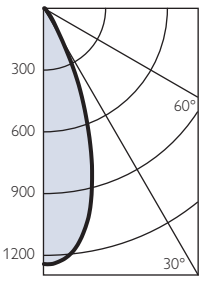
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" 20W CMH MR16 40° WFL

Glass Trim: C4MRGD



Report: 3389FR
Lamp: 20W CMH MR16 40° GX10 Base
Initial lumens: 1,000
Efficiency: 66.4%
Spacing: 0.6



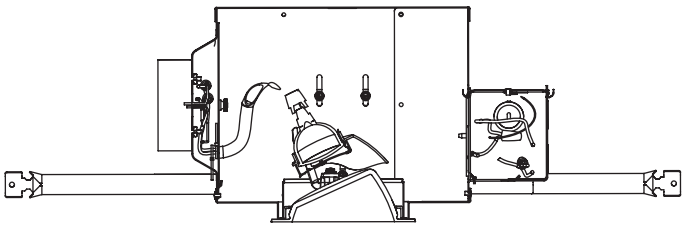
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	35	3.6'
8'	11	4.8'
10'	12	6'

Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" aperture

CMH MR16 Glasslite adjustable accent



Ceiling cutout:: 5 1⁄16" Dia.
Ceiling thickness: 1 1⁄8" Max.

How to specify

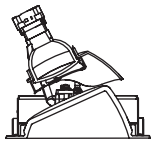
Trim kit	Frame-in kit
C4MRGA	C4 20 MREU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Height
C420MREU	Non-IC	Electronic	120V/277V	CMH MR16	20 (23)	20" – 30"	9 5⁄8"	7 7⁄16"
C439MREU	Non-IC	Electronic	120V/277V	CMH MR16	39 (44)	20" – 30"	9 5⁄8"	7 7⁄16"

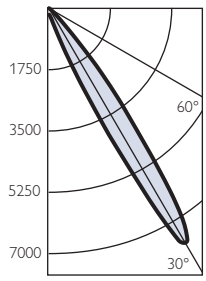
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" 20W CMH MR16 12° SP

Glass Trim: C4MRGA



Report: 3399FR
Lamp: 20W CMH MR16 12° GX10 Base



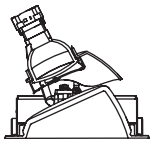
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
8'	112	1.6'
10'	72	2'
12'	50	2.4'

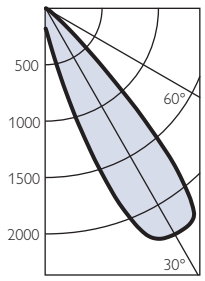
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" 20W CMH MR16 25° FL

Glass Trim: C4MRGA



Report: 3398FR
Lamp: 20W CMH MR16 25° GX10 Base



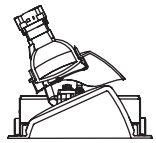
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	66	3'
8'	37	4'
10'	24	5'

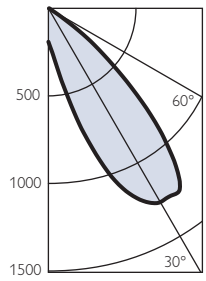
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" 20W CMH MR16 35° WFL

Glass Trim: C4MRGA



Report: 3389FR
Lamp: 20W CMH MR16 40° GX10 Base



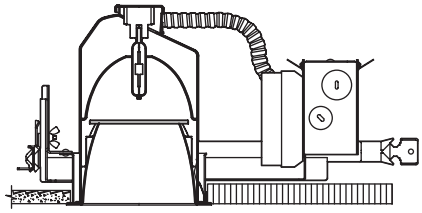
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	35	3.6'
8'	11	4.8'
10'	12	6'

Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" aperture

T4.5 metal halide downlight



Ceiling cutout: 5 ⅛" Dia.

How to specify

Trim kit	Frame-in kit
C4T4VN CLW	C4 20 T4EU

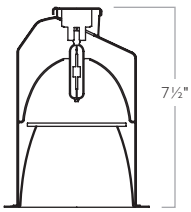
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C420T4EU	Non-IC	Electronic	120V/277V	T4-G8.5	20 (23)	20" – 30"	9 3⁄16"
C420T4GU65EU	Non-IC	Electronic	120V/277V	T4-GU6.5	20 (23)	20" – 30"	9 3⁄16"
C420BT5PGJ5E1	Non-IC	Electronic	120V	T4-PGJ5	22 (25)	20" – 30"	9 3⁄16"
C439T4E1	Non-IC	Electronic	120V	T4-G8.5	39 (44)	20" – 30"	9 3⁄16"
C439T4E2	Non-IC	Electronic	277V	T4-G8.5	39 (44)	20" – 30"	9 3⁄16"
C439T4GU65EU	Non-IC	Electronic	120V/277V	T4-GU6.5	39 (44)	20" – 30"	9 3⁄16"
C470T4E1*	Non-IC	Electronic	120V	T4-G8.5	70 (78)	20" – 30"	9 3⁄16"
C470T4E2*	Non-IC	Electronic	277V	T4-G8.5	70 (78)	20" – 30"	9 3⁄16"

* See specification sheet for marked spacing requirements.

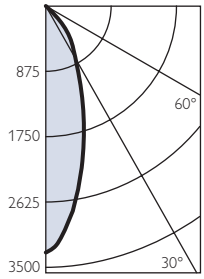
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" T4.5 narrow beam 39W

Reflector trim: C4T4VN CLW



Report: 2400FR
Lamp: 39W T4.5 Ceramic MH
Efficiency: 57.2%
Spacing: 0.6



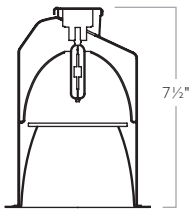
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
4'	162	3'
6'	72	4'
8'	41	5'
10'	26	6'

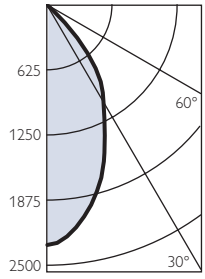
Beam diameter defined as point at which foot-candles drop to 50% of maximum.

4 ½" T4.5 medium beam 39W

Reflector trim: C4T4VM CLW



Report: 2321FR
Lamp: 39W T4.5 Ceramic MH
Efficiency: 62.4%
Spacing: 0.8



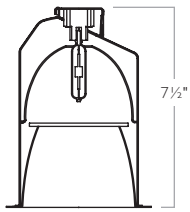
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts Per Sq Ft
6'	62	1.22'
8'	35	0.69'
9'	28	0.54'
10'	22	0.44'
11'	19	0.36'

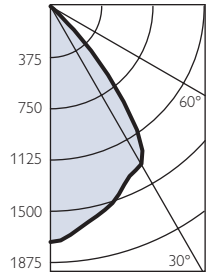
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

4 ½" T4.5 wide beam 39W

Reflector trim: C4T4VW CLW



Report: 2317FR
Lamp: 39W T4.5 Ceramic MH
Efficiency: 64.5%
Spacing: 1.1



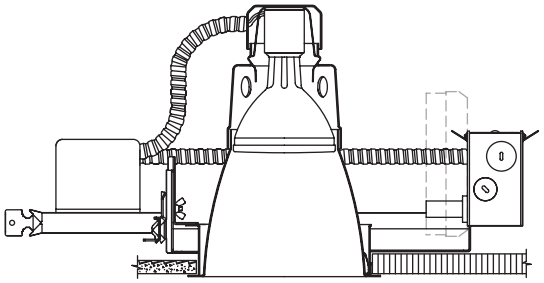
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts Per Sq Ft
6'	61	1.22'
8'	35	0.69'
9'	27	0.54'
10'	22	0.44'
11'	18	0.36'

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

6" aperture

PAR metal halide downlight



Ceiling cutout:: 6 9/16" Dia.

How to specify

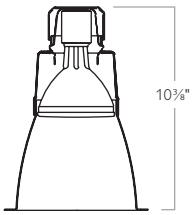
Trim kit	Frame-in kit
C6P30MH CLW	C6 39 MHE1

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C639MHE1	Non-IC	Electronic	120V	PAR20	39 (44)	20" – 30"	10 7/8"
C639MHE2	Non-IC	Electronic	277V	PAR20	39 (44)	20" – 30"	10 7/8"
C639MHU	Non-IC	Magnetic	120/277V	PAR20	39 (56)	20" – 30"	18 5/8"
C670MHE1	Non-IC	Electronic	120V	PAR30/38	70 (78)	20" – 30"	10 7/8"
C670MHE2	Non-IC	Electronic	277V	PAR30/38	70 (78)	20" – 30"	10 7/8"
C670MHU	Non-IC	Magnetic	120/277V	PAR30/38	70 (94)	20" – 30"	18 5/8"
C610MHE1	Non-IC	Electronic	120V	PAR38	100 (110)	20" – 30"	10 7/8"
C610MHE2	Non-IC	Electronic	277V	PAR38	100 (110)	20" – 30"	10 7/8"
C610MHU	Non-IC	Magnetic	120/277V	PAR38	100 (125)	20" – 30"	18 5/8"

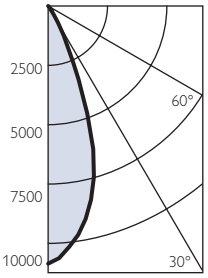
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

6" PAR30 flood 70W

Reflector trim: C6P30MH CLW



Report: 2463FR
Lamp: 70W PAR30 FL Ceramic MH
Efficiency: 92.6%
Spacing: 0.6



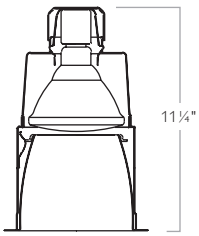
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts Per Sq Ft
6'	136	2.17'
8'	77	1.22'
9'	60	0.96'

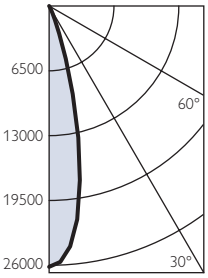
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

6" PAR38 flood 100W

Reflector trim: C6P38MH CLW



Report: 2455FR
Lamp: 100W PAR38 FL Ceramic MH
Efficiency: 81.9%
Spacing: 0.4



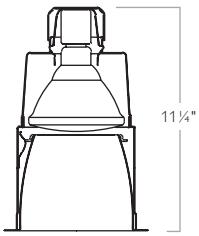
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam diameter
14'	107	6'
16'	82	7'
18'	65	8'

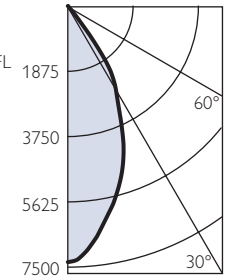
Beam diameter defined as point at which foot-candles drop to 50% of maximum

6" PAR38 Wide flood 100W

Reflector trim: C6P38MH CLW



Report: 2456FR
Lamp: 100W PAR38 WFL Ceramic MH
Efficiency: 73.7%
Spacing: 0.8



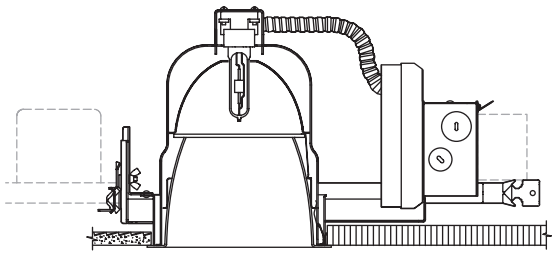
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	149	3.06'
8'	84	1.72'
9'	66	1.36'

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

6" aperture

T6 metal halide downlight



Ceiling cutout:: 6 9⁄16" Dia.

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C639T6E1	Non-IC	Electronic	120V	T6	39 (44)	20" – 30"	10 7⁄8"
C639T6E2	Non-IC	Electronic	277V	T6	39 (44)	20" – 30"	10 7⁄8"
C670T6E1	Non-IC	Electronic	120V	T6	70 (78)	20" – 30"	10 7⁄8"
C670T6E2	Non-IC	Electronic	277V	T6	70 (78)	20" – 30"	10 7⁄8"
C615T6E1*	Non-IC	Electronic	120V	T6	150 (167)	20" – 30"	10 7⁄8"
C615T6E2*	Non-IC	Electronic	277V	T6	150 (167)	20" – 30"	10 7⁄8"
C615T6U*	Non-IC	Magnetic	120/277V	T6	150 (180)	20" – 30"	18 5⁄8"

* See specification sheet for marked spacing requirements.

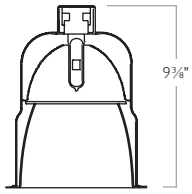
How to specify

Trim kit	Frame-in kit
C6T6VN CLW	C6 39 T6E1

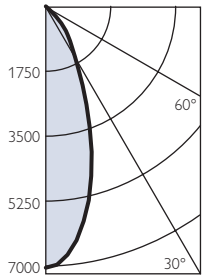
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

6" T6 narrow beam 70W

Reflector trim: C6T6VN CLW



Report: 2334FR
Lamp: 70W T6 Ceramic MH
Efficiency: 62.7%
Spacing: 0.6



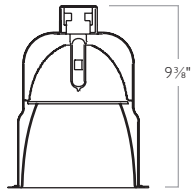
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	123	2.17'
8'	69	1.22'
9'	55	0.96'

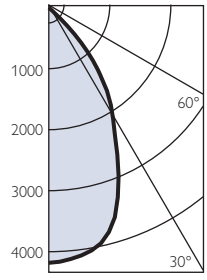
38' x 38' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

6" T6 medium beam 70W

Reflector trim: C6T6VM CLW



Report: 2335FR
Lamp: 70W T6 Ceramic MH
Efficiency: 62.8%
Spacing: 0.9



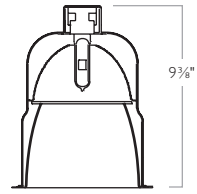
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts Per Sq Ft
6'	121	2.17'
8'	68	1.22'
9'	54	0.96'

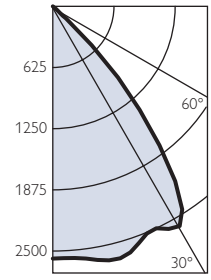
38' x 38' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances

6" T6 wide beam 70W

Reflector trim: C6T6VW CLW



Report: 2323FR
Lamp: 70W T6 Ceramic MH
Efficiency: 60.5%
Spacing: 1.2



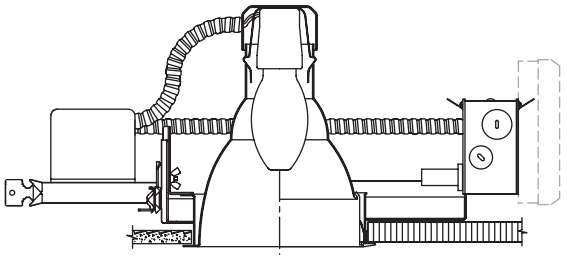
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	116	2.17'
8'	65	1.22'
9'	51	0.96'
10'	42	0.78'
11'	34	0.64'

38' x 38' x 10' room, workplane 2 ½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

6" aperture

ED17/E17 metal halide downlight



Ceiling cutout:: 6 9⁄16" Dia.

How to specify

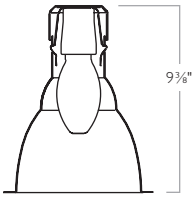
Trim kit	Frame-in kit
C6E17OVM CLW	C6 70 MHOE1

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C670MHOE1	Non-IC	Electronic	120V	ED17 (Open-rated)	70 (78)	20" – 30"	10 7⁄8"
C670MHOE2	Non-IC	Electronic	277V	ED17 (Open-rated)	70 (78)	20" – 30"	10 7⁄8"
C670MHU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	70 (94)	20" – 30"	18 3⁄8"
C610MHOE1	Non-IC	Electronic	120V	ED17 (Open-rated)	100 (110)	20" – 30"	10 7⁄8"
C610MHOE2	Non-IC	Electronic	277V	ED17 (Open-rated)	100 (110)	20" – 30"	10 7⁄8"
C6110MHU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	100 (125)	20" – 30"	18 3⁄8"

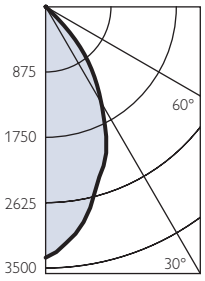
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

6" ED17 Medium beam 70W

Reflector trim: C6E17OVM CLW



Report: 2368FR
Lamp: 70W ED17 Open Rated Ceramic MH
Efficiency: 50.7%
Spacing: 0.8



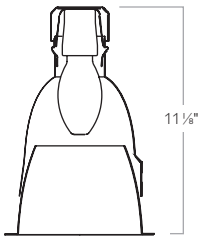
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	86	2.17'
8'	48	1.22'
9'	38	0.96'

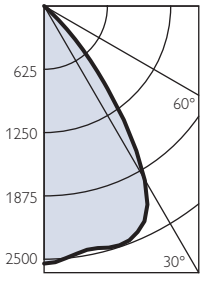
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

6" ED17 Wide beam 70W

Reflector trim: C6E17OVW CLW



Report: 2540FR
Lamp: 70W ED17 CMH Open Rated Ceramic MH
Efficiency: 54.6%
Spacing: 1.0



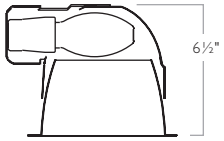
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	90	2.17'
8'	51	1.22'
9'	40	0.96'
10'	32	0.78'

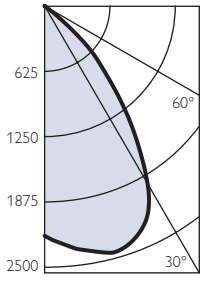
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

6" ED17 Wide beam 70W

Reflector trim: C6E17OHW CLW



Report: 2380FR
Lamp: 70W ED17 CMH Open Rated Ceramic MH
Efficiency: 57.3%
Spacing: 1.2



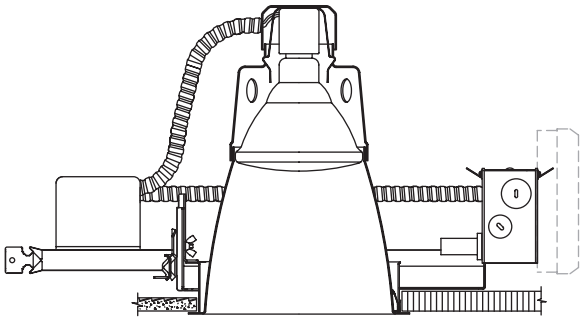
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	95	2.17'
8'	53	1.22'
9'	42	0.96'
10'	34	0.78'
11'	28	0.64'

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" aperture

PAR 38 metal halide downlight



Ceiling cutout:: 8" Dia.

How to specify

Trim kit	Frame-in kit
C7P38MH CLW	C7 70 MHE1

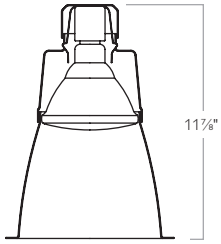
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C770MHE1	Non-IC	Electronic	120V	PAR38	70 (78)	20" – 30"	10⅞"
C770MHE2	Non-IC	Electronic	277V	PAR38	70 (78)	20" – 30"	10⅞"
C770MHU	Non-IC	Magnetic	120/277V	PAR38	70 (94)	20" – 30"	18⅝"
C710MHE1*	Non-IC	Electronic	120V	PAR38	100 (110)	20" – 30"	10⅞"
C710MHE2*	Non-IC	Electronic	277V	PAR38	100 (110)	20" – 30"	10⅞"
C710MHU	Non-IC	Magnetic	120/277V	PAR38	100 (125)	20" – 30"	18⅝"
C715MHE1*	Non-IC	Electronic	120V	PAR38	150 (167)	20" – 30"	10⅞"
C715MHE2*	Non-IC	Electronic	277V	PAR38	150 (167)	20" – 30"	10⅞"

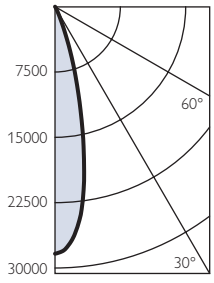
* See specification sheet for marked spacing requirements.

7" Flood 100W

Reflector trim: C7P38MH CLW



Report: 2421FR
Lamp: 100W PAR38 FL Ceramic MH
Efficiency: 93.8%
Spacing: 0.4



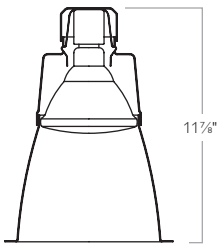
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	195	3.06
8'	109	1.72
9'	86	1.36

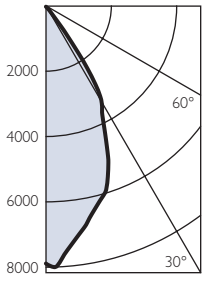
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" Wide flood 100W

Reflector trim: C7P38MH CLW



Report: 2422FR
Lamp: 100W PAR38 WFL Ceramic MH
Efficiency: 84.1%
Spacing: 0.8



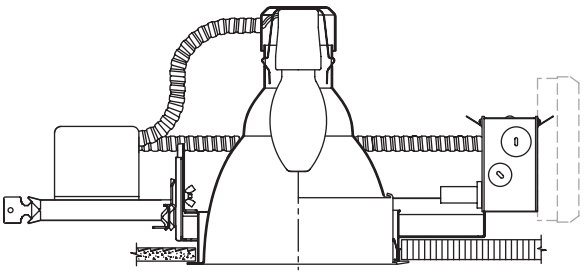
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	170	3.06
8'	96	1.72
9'	76	1.36

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" aperture

ED17/E17 metal halide downlight



Ceiling cutout:: 8" Dia.

How to specify

Trim kit	Frame-in kit
C7E17OVM CLW	C7 70 MHOE1

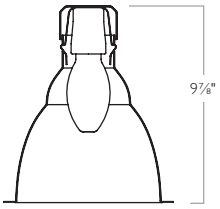
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C770MHOE1	Non-IC	Electronic	120V	ED17 (Open-rated)	70 (78)	20" – 30"	10⅞"
C770MHOE2	Non-IC	Electronic	277V	ED17 (Open-rated)	70 (78)	20" – 30"	10⅞"
C770MHOU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	70 (94)	20" – 30"	18⅝"
C710MHOE1*	Non-IC	Electronic	120V	ED17 (Open-rated)	100 (110)	20" – 30"	10⅞"
C710MHOE2*	Non-IC	Electronic	277V	ED17 (Open-rated)	100 (110)	20" – 30"	10⅞"
C710MHOU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	100 (125)	20" – 30"	18⅝"
C715MHOE1*	Non-IC	Electronic	120V	ED17 (Open-rated)	150 (167)	20" – 30"	10⅞"
C715MHOE2*	Non-IC	Electronic	277V	ED17 (Open-rated)	150 (167)	20" – 30"	10⅞"

Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

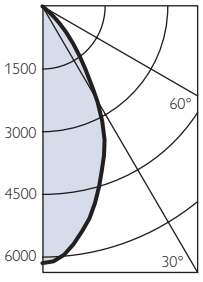
* See specification sheet for marked spacing requirements.

7" ED17 Medium beam 100W

Reflector trim: C7E17OVM CLW



Report: 2396FR
Lamp: 100W ED17 Ceramic MH Open Rated
Efficiency: 61.3%
Spacing: 0.8



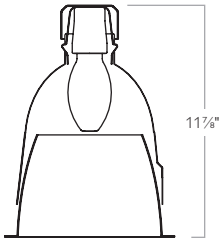
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	153	3.25'
8'	86	1.83'
9'	68	1.44'

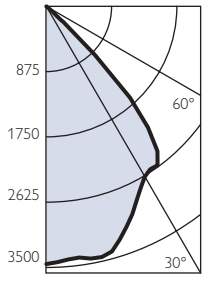
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" ED17 Wide beam 100W

Reflector trim: C7E17OVW CLW



Report: 2374FR
Lamp: 100W ED17 Ceramic MH Open Rated
Efficiency: 58.6%
Spacing: 1.1



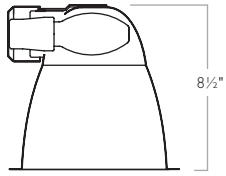
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	144	3.25'
8'	81	1.83'
9'	64	1.44'
10'	52	1.17'
11'	43	0.97'

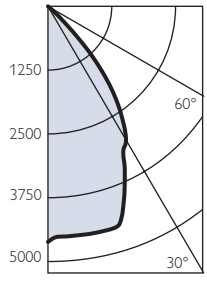
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" ED17 Wide beam 100W

Reflector trim: C7E17OHW CLW



Report: 2267FR
Lamp: 100W ED17 Ceramic MH Open Rated
Efficiency: 62.20%
Spacing: 1.0



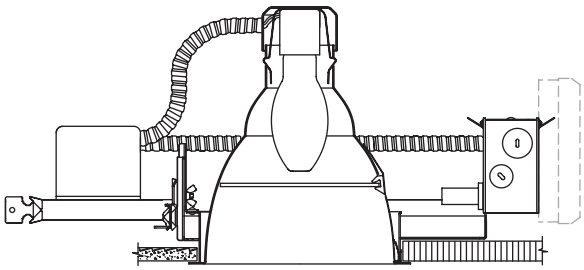
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	153	3.06'
8'	86	1.72'
9'	68	1.36'
10'	55	1.10'
11'	46	0.91'

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" aperture

ED17/BD17 metal halide downlight



Ceiling cutout:: 8" Dia.

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C770MHE1	Non-IC	Electronic	120V	ED17 (Enclosed-rated)	70 (78)	20" – 30"	10⅞"
C770MHE2	Non-IC	Electronic	277V	ED17 (Enclosed-rated)	70 (78)	20" – 30"	10⅞"
C770MHU	Non-IC	Magnetic	120/277V	ED17 (Enclosed-rated)	70 (94)	20" – 30"	18⅝"
C710MHE1*	Non-IC	Electronic	120V	ED17 (Enclosed-rated)	100 (110)	20" – 30"	10⅞"
C710MHE2*	Non-IC	Electronic	277V	ED17 (Enclosed-rated)	100 (110)	20" – 30"	10⅞"
C710MHU	Non-IC	Magnetic	120/277V	ED17 (Enclosed-rated)	100 (125)	20" – 30"	18⅝"

* See specification sheet for marked spacing requirements.

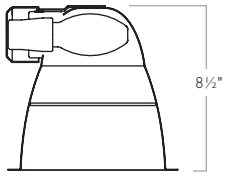
How to specify

Trim kit	Frame-in kit
C7E17VM CLW	C7 70 MHE1

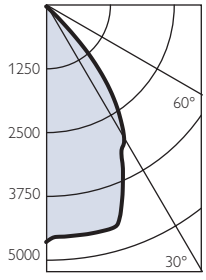
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

7" ED17 Wide beam 100W

Reflector trim: C7E17HW CLW



Report: 2267FR
Lamp: 100W ED17 Ceramic MH Open Rated
Efficiency: 62.20%
Spacing: 1.0



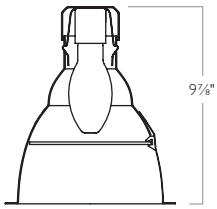
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	153	3.06'
8'	86	1.72'
9'	68	1.36'
10'	55	1.10'
11'	46	0.91'

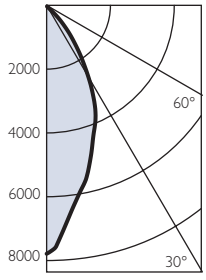
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" ED17 Medium beam 100W

Reflector trim: C7E17VM CLW



Report: 2519FR
Lamp: 100W ED17 Ceramic MH Enclosed
Efficiency: 62.1%
Spacing: 0.7



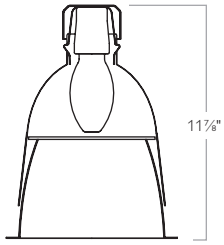
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	156	3.06
8'	88	1.72
9'	69	1.36

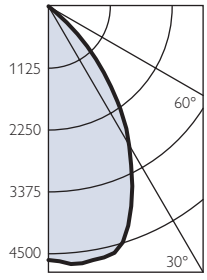
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" ED17 Wide beam 100W

Reflector trim: C7E17VW CLW



Report: 2509FR
Lamp: 100W ED17 Ceramic MH Enclosed
Efficiency: 61.8%
Spacing: 1.0



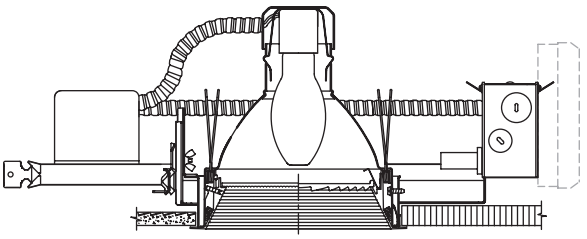
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6'	153	3.06
8'	86	1.72
9'	68	1.36
10'	55	1.10

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" aperture

Wet location metal halide lensed downlights



Ceiling cutout:: 8" Dia.

How to specify

Trim kit	Frame-in kit
C7E17PL WHW	C7 70 MHE1

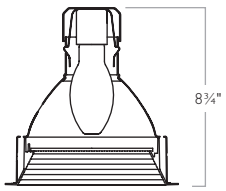
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C770MHE1	Non-IC	Electronic	120V	ED17 (Enclosed-rated)	70 (78)	20" – 30"	10⅞"
C770MHE2	Non-IC	Electronic	277V	ED17 (Enclosed-rated)	70 (78)	20" – 30"	10⅞"
C770MHU	Non-IC	Magnetic	120/277V	ED17 (Enclosed-rated)	70 (94)	20" – 30"	18⅝"
C710MHE1*	Non-IC	Electronic	120V	ED17 (Enclosed-rated)	100 (110)	20" – 30"	10⅞"
C710MHE2*	Non-IC	Electronic	277V	ED17 (Enclosed-rated)	100 (110)	20" – 30"	10⅞"
C710MHU	Non-IC	Magnetic	120/277V	ED17 (Enclosed-rated)	100 (125)	20" – 30"	18⅝"

* See specification sheet for marked spacing requirements.

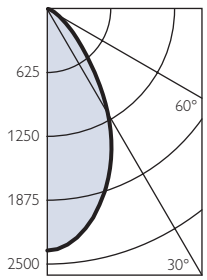
Reflector finish	Finish
White step baffle with white flange	WHW

7" ED17 Prismatic 70W

Reflector trim: C7E17PL WHW



Report: 2553FR
Lamp: 70W ED17 Ceramic MH Enclosed
Efficiency: 44.4%
Spacing: 0.9



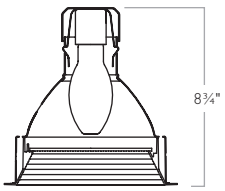
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6	70	2.17
8	39	1.22
9	31	0.96
10	25	0.78
11	21	0.64

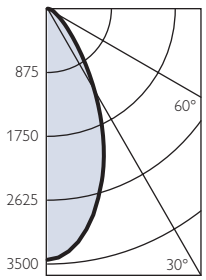
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" ED17 Prismatic 100W

Reflector trim: C7E17PL WHW



Report: 2567FR
Lamp: 100W ED17 Ceramic MH Enclosed
Efficiency: 44.2%
Spacing: 0.9



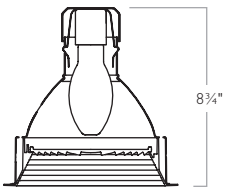
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6	106	3.06
8	60	1.72
9	47	1.36
10	38	1.10
11	32	0.91

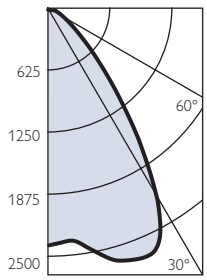
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

7" ED17 Fresnel 100W

Reflector trim: C7E17FL WHW



Report: 2566FR
Lamp: 100W ED17 Ceramic MH Enclosed
Efficiency: 45.70%
Spacing: 1.1



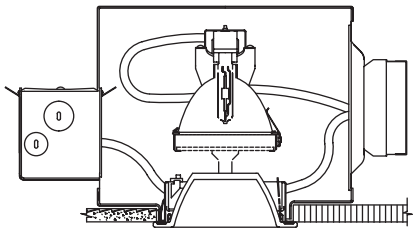
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts** Per Sq Ft
6	111	3.06
8	62	1.72
9	49	1.36
10	40	1.10
11	33	0.91

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances
**Based on electronic ballast input watts.

4 ½" aperture

T4.5 metal halide wet location glasslite



Ceiling cutout:: 5 ⅛"

How to specify

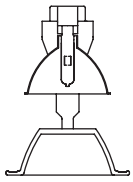
Trim kit	Upper Reflector		Frame-in kit
C4T4GD	MHT4RF	(Flood)	C4A 39 T4E1
	MHT4RNF	(Narrow Flood)	
	MHT4RNS	(Spot)	

Reflector finish	White Flange	Polished flange
Frosted glass	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C4A20T4EU	Non-IC	Electronic	120/277V	T4-G8.5	20 (23)	20" – 30"	13⅞"
C4A20BT5PGJ5E1	Non-IC	Electronic	120V	T4-GU6.5	20 (23)	20" – 30"	13⅞"
C4A20T4GU65EU	Non-IC	Electronic	120/277V	T4-PGJ5	22 (25)	20" – 30"	13⅞"
C4A39T4E1	Non-IC	Electronic	120V	T4-G8.5	39 (44)	20" – 30"	13⅞"
C4A39T4E2	Non-IC	Electronic	277V	T4-G8.5	39 (44)	20" – 30"	13⅞"
C4A39T4GU65EU	Non-IC	Electronic	120/277V	T4-GU6.5	39 (44)	20" – 30"	13⅞"
C4A70T4E1	Non-IC	Electronic	120V	T4-G8.5	70 (78)	20" – 30"	13⅞"
C4A70T4E2	Non-IC	Electronic	277V	T4-G8.5	70 (78)	20" – 30"	13⅞"

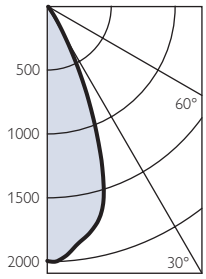
4 ½" T4.5 Flood 39W

Glass Trim: C4T4GD + MHT4RF (upper reflector)



Downlight

Report: 18679
Lamp: 39W T4.5 Ceramic MH
Spacing: 0.7



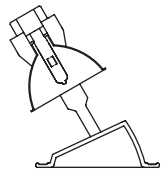
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
6'	32	1.22
8'	18	0.69
9'	14	0.54
10'	12	0.44
11'	10	0.36

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

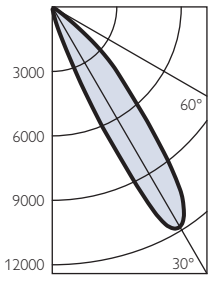
4 ½" T4.5 Narrow flood 39W

Glass Trim: C4T4GA + MHT4RNF (upper reflector)



Adjustable

Report: 18684
Lamp: 39W T4.5 Ceramic MH
Actual beam: 19°
Max. tilt: 35°



30° Aiming angle Horizontal surface

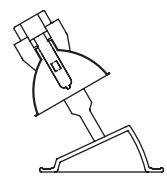
D	C	FC	L	W
6'	3.5'	213	2.7'	2.3'
8'	4.6'	120	3.6'	3.1'
10'	5.8'	77	4.5'	3.9'
12'	6.9'	53	5.4'	4.6'
15'	8.7'	34	6.8'	5.8'

30° Aiming angle Vertical surface

D	C	FC	L	W
2'	3.5'	370	2.9'	1.3'
3'	5.2'	164	4.4'	2.0'
4'	6.9'	92	5.8'	2.7'
6'	10.4'	41	8.8'	4.0'
8'	13.9'	23	11.7'	5.4'

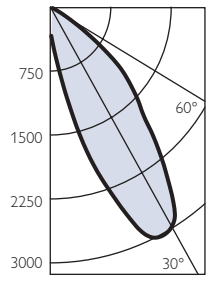
4 ½" T4.5 Flood 39W

Glass Trim: C4T4GA + MHT4RF (upper reflector)



Adjustable

Report: 18687
Lamp: 39W T4.5 Ceramic MH
Actual beam: 32°
Max. tilt: 35°



30° Aiming angle Horizontal surface

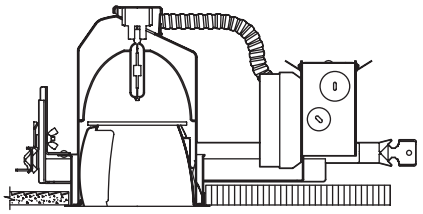
D	C	FC	L	W
6'	3.5'	54	4.7'	4.0'
8'	4.6'	30	6.3'	5.3'
10'	5.8'	19	7.9'	6.6'
12'	6.9'	14	9.4'	7.9'
15'	8.7'	9	11.8'	9.9'

30° Aiming angle Vertical surface

D	C	FC	L	W
2'	3.5'	94	6.1'	2.3'
3'	5.2'	42	9.1'	3.4'
4'	6.9'	23	12.2'	4.6'
6'	10.4'	10	18.3'	6.9'
8'	13.9'	6	24.4'	9.2'

4 ½" aperture

T4.5 metal halide open wall wash



Ceiling cutout:: 5 ⅛"

How to specify

Trim kit	Frame-in kit
C4T4W CLW	C4 20 T4EU

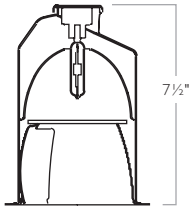
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C420T4EU	Non-IC	Electronic	120V/277V	T4-G8.5	20 (23)	20" – 30"	9 3/16"
C420T4GU65EU	Non-IC	Electronic	120V/277V	T4-GU6.5	20 (23)	20" – 30"	9 3/16"
C420BT5PGJ5E1	Non-IC	Electronic	120V	T4-PGJ5	22 (25)	20" – 30"	9 3/16"
C439T4E1	Non-IC	Electronic	120V	T4-G8.5	39 (44)	20" – 30"	9 3/16"
C439T4E2	Non-IC	Electronic	277V	T4-G8.5	39 (44)	20" – 30"	9 3/16"
C439T4GU65EU	Non-IC	Electronic	120V/277V	T4-GU6.5	39 (44)	20" – 30"	9 3/16"
C470T4E1*	Non-IC	Electronic	120V	T4-G8.5	70 (78)	20" – 30"	9 3/16"
C470T4E2*	Non-IC	Electronic	277V	T4-G8.5	70 (78)	20" – 30"	9 3/16"

* See specification sheet for marked spacing requirements.

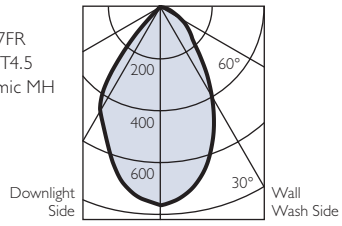
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" T4.5 20W

Reflector trim: C4T4W CLW



Report: 2427FR
Lamp: 20W T4.5 Ceramic MH

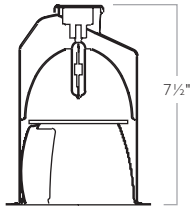


Multiple units Footcandles on wall

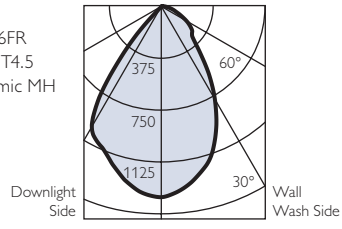
Distance from ceiling in feet	2' from Wall - 2' On Center (2')		
1	19.6	18.2	19.6
2	25.8	26.7	25.8
3	27.5	26.7	27.5
4	24.8	23.8	24.8
5	20.2	20.1	20.2
6	16.9	16.8	16.9
7	13.9	13.7	13.9
8	11.8	11.7	11.8
9	10.2	10.1	10.2
10	8.9	8.9	8.9

4 ½" T4.5 39W

Reflector trim: C4T4W CLW



Report: 2426FR
Lamp: 39W T4.5 Ceramic MH

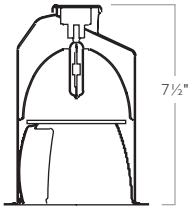


Multiple units Footcandles on wall

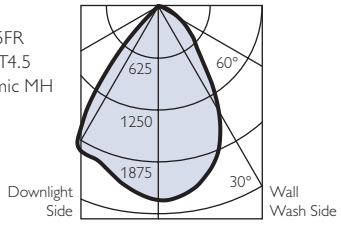
Distance from ceiling in feet	3' from wall - 3' on center (3')		
1	13.6	13.2	13.6
2	23.4	22.5	23.4
3	22.4	22.0	22.4
4	22.5	22.5	22.5
5	23.5	22.8	23.5
6	22.1	21.6	22.1
7	19.9	19.8	19.9
8	17.8	17.9	17.8
9	16.0	16.0	16.0
10	14.4	14.4	14.4
11	13.2	13.0	13.2
12	12.1	12.0	12.1

4 ½" T4.5 70W

Reflector trim: C4T4W CLW



Report: 2425FR
Lamp: 70W T4.5 Ceramic MH

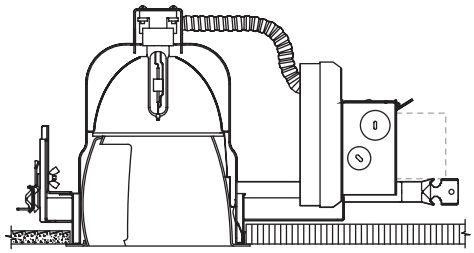


Multiple units Footcandles on wall

Distance from ceiling in feet	4' from Wall - 4' On Center (4')		
1	15.4	11.2	15.4
2	29.4	22.6	29.4
3	32.3	29.0	32.3
4	32.3	32.9	32.3
5	33.1	33.0	33.1
6	31.5	30.4	31.5
7	28.2	27.4	28.2
8	24.7	24.4	24.7
9	21.7	21.8	21.7
10	19.3	19.6	19.3
12	15.8	16.1	15.8
14	13.8	13.9	13.8

6" aperture

T6 metal halide open wall wash



Ceiling cutout:: 6 9/16"

How to specify

Trim kit	Frame-in kit
C6T6W CLW	C6 39 T6E1

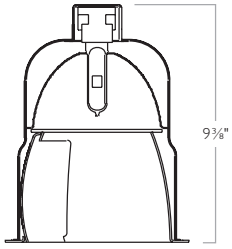
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C639T6E1	Non-IC	Electronic	120V	T6	39 (44)	20" – 30"	10 7/8"
C639T6E2	Non-IC	Electronic	277V	T6	39 (44)	20" – 30"	10 7/8"
C670T6E1	Non-IC	Electronic	120V	T6	70 (78)	20" – 30"	10 7/8"
C670T6E2	Non-IC	Electronic	277V	T6	70 (78)	20" – 30"	10 7/8"
C615T6E1*	Non-IC	Electronic	120V	T6	150 (167)	20" – 30"	10 7/8"
C615T6E2*	Non-IC	Electronic	277V	T6	150 (167)	20" – 30"	10 7/8"
C615T6U*	Non-IC	Magnetic	120/277V	T6	150 (180)	20" – 30"	18 5/8"

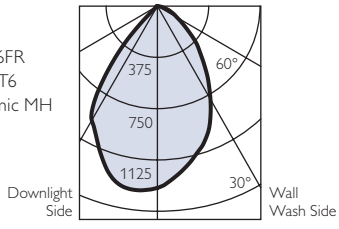
* See specification sheet for marked spacing requirements.

6" T6 39W

Reflector trim: C6T6W CLW



Report: 2586FR
Lamp: 39W T6 Ceramic MH

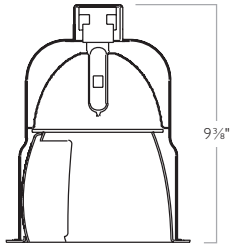


Multiple units Footcandles on wall

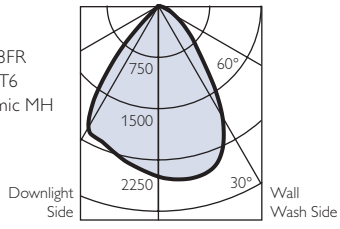
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	12.1	11.0	12.1
2	20.4	18.8	20.4
3	24.6	23.9	24.6
4	24.6	26.2	24.6
5	24.9	24.1	24.9
6	22.9	21.9	22.9
7	20.2	20.0	20.2
8	17.8	18.0	17.8
9	16.0	16.1	16.0
10	14.4	14.4	14.4
11	13.2	13.1	13.2
12	12.1	12.0	12.1

6" T6 70W

Reflector trim: C6T6W CLW



Report: 2588FR
Lamp: 70W T6 Ceramic MH

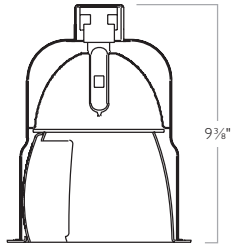


Multiple units Footcandles on wall

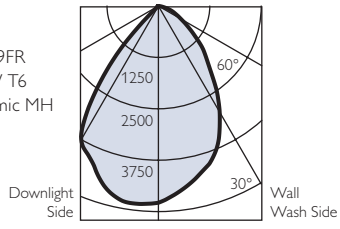
Distance from ceiling in feet	4' from Wall - 4' On Center	4'	
1	17.4	12.2	17.4
2	29.6	19.7	29.6
3	35.7	25.9	35.7
4	37.3	33.9	37.3
5	37.8	37.5	37.8
6	36.2	36.0	36.2
7	32.5	32.9	32.4
8	28.4	29.3	28.4
9	25.0	25.8	25.0
10	22.3	23.0	22.3
12	18.4	18.7	18.4
14	16.0	16.2	16.0

6" T6 150W

Reflector trim: C6T6W CLW



Report: 2589FR
Lamp: 150W T6 Ceramic MH

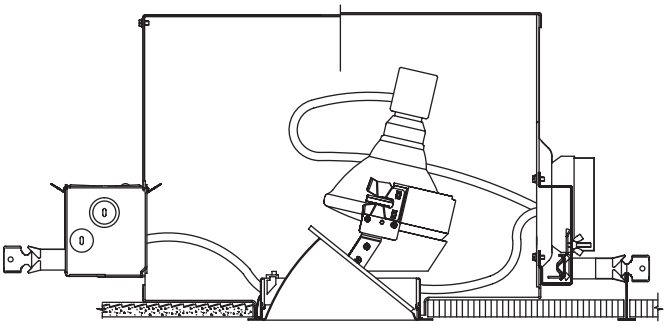


Multiple units Footcandles on wall

Distance from ceiling in feet	4' from Wall - 4' On Center	4'	
1	18.9	16.4	18.9
2	36.3	33.5	36.3
3	48.1	44.3	48.1
4	53.3	52.5	53.3
5	52.6	55.7	52.6
6	54.5	53.8	54.5
7	53.5	51.2	53.5
8	49.6	48.2	49.6
9	45.4	45.2	45.4
10	41.8	42.1	41.8
12	35.8	36.1	35.8
14	31.2	31.3	31.2

6" aperture

PAR lensed wall wash



Ceiling cutout:: 6 9/16"

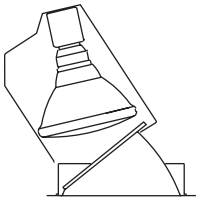
How to specify

Trim kit	Frame-in kit
C6P38MHL CLW	C6A 70 P38E1

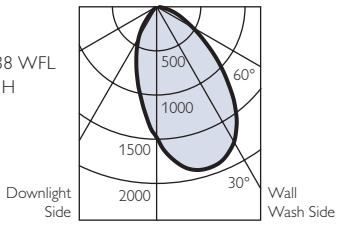
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width	Reflector finish	White flange	Aperture-matching flange
C6A70P38E1	Non-IC	Electronic	120V	PAR38	70 (78)	20" – 30"	19 1/8"	Specular clear	CLW	CLP
C6A70P38E2	Non-IC	Electronic	277V	PAR38	70 (78)	20" – 30"	19 1/8"	Comfort clear diffuse	CCDW	CCDP
C6A10P38E1	Non-IC	Electronic	120V	PAR38	100 (110)	20" – 30"	19 1/8"			
C6A10P38E2	Non-IC	Electronic	277V	PAR38	100 (110)	20" – 30"	19 1/8"			

6" PAR38 Wide flood 70W

Reflector trim: C6P38MHL CLW



Report: 2464FR
Lamp: 70W PAR38 WFL Ceramic MH

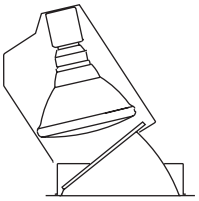


Multiple units Footcandles on wall

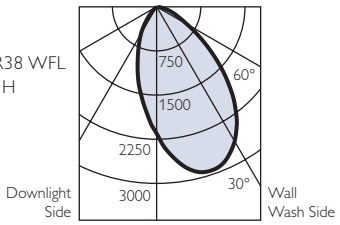
Distance from ceiling in feet	3' from wall - 3' on center: 3'		
1	27.2	19.3	27.2
2	50.8	43.2	50.8
3	62.2	56.1	62.2
4	58.0	54.8	58.0
5	48.5	47.2	48.5
6	39.1	38.4	39.1
7	31.7	31.2	31.7
8	26.3	25.9	26.3
9	22.1	21.8	22.1
10	18.9	18.7	18.9
12	14.6	14.5	14.6
14	12.5	12.4	12.5

6" PAR38 Wide flood 100W

Reflector trim: C6P38MHL CLW



Report: 2465FR
Lamp: 100W PAR38 WFL Ceramic MH

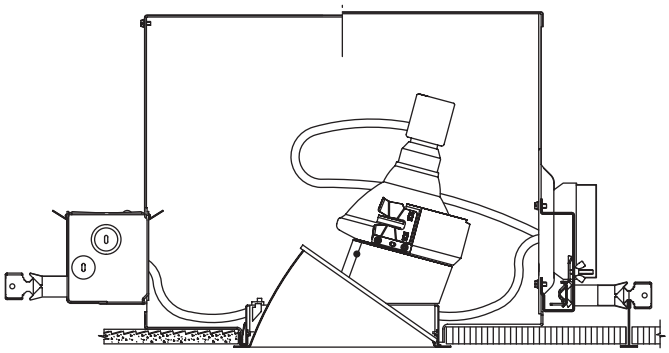


Multiple units Footcandles on wall

Distance from ceiling in feet	4' from Wall - 4' On Center: 4'		
1	27.2	19.3	27.2
2	50.8	43.2	50.8
3	62.2	56.1	62.2
4	58.0	54.8	58.0
5	48.5	47.2	48.5
6	39.1	38.4	39.1
7	31.7	31.2	31.7
8	26.3	25.9	26.3
9	22.1	21.8	22.1
10	18.9	18.7	18.9
12	14.6	14.5	14.6
14	12.5	12.4	12.5

7" aperture

PAR lensed wall wash



Ceiling cutout:: 8"

How to specify

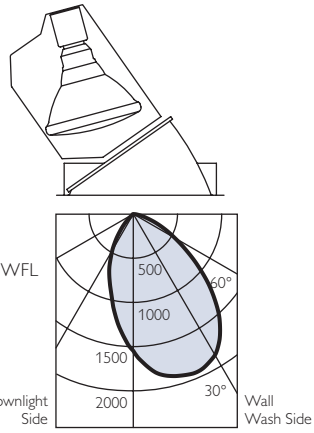
Trim kit	Frame-in kit
C7P38MHL CLW	C7A 70 P38E1

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C7A70P38E1	Non-IC	Electronic	120V	PAR38	70 (78)	20" – 30"	19 ⅛"
C7A70P38E2	Non-IC	Electronic	277V	PAR38	70 (78)	20" – 30"	19 ⅛"
C7A10P38E1	Non-IC	Electronic	120V	PAR38	100 (110)	20" – 30"	19 ⅛"
C7A10P38E2	Non-IC	Electronic	277V	PAR38	100 (110)	20" – 30"	19 ⅛"

Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

7" PAR38 Wide flood 70W

Reflector trim: C7P38MHL CLW



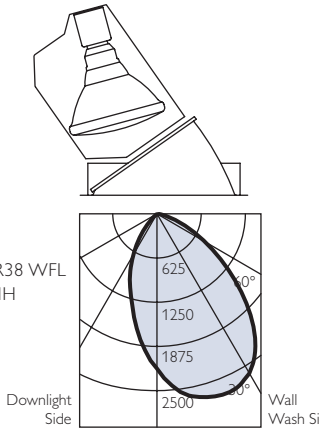
Report: 2590FR
Lamp: 70W PAR38 WFL Ceramic MH

Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center: 3'		
1	26.7	20.9	26.7
2	62.0	54.0	62.0
3	75.3	68.3	75.3
4	67.9	65.2	67.9
5	55.9	55.1	55.9
6	44.8	44.4	44.8
7	36.2	35.9	36.2
8	29.8	29.6	29.8
9	25.0	24.9	25.0
10	21.4	21.3	21.4
12	16.6	16.5	16.6
14	14.2	14.1	14.2

7" PAR38 Wide flood 100W

Reflector trim: C7P38MHL CLW



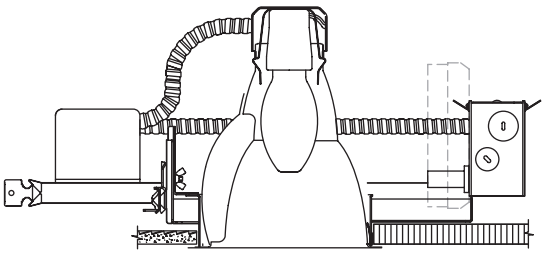
Report: 2465FR
Lamp: 100W PAR38 WFL Ceramic MH

Multiple units Footcandles on wall

Distance from ceiling in feet	4' from Wall - 4' On Center: 4'		
1	13.8	11.1	13.8
2	36.1	31.0	36.1
3	54.5	47.4	54.5
4	60.5	55.1	60.5
5	57.0	54.4	57.0
6	50.0	49.0	50.0
7	42.8	42.4	42.8
8	36.3	36.0	36.3
9	30.8	30.7	30.8
10	26.5	26.5	26.5
12	20.4	20.4	20.4
14	16.9	16.9	16.9

6" aperture

ED17 metal halide open wall wash



Ceiling cutout:: 6 9/16"

How to specify

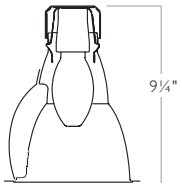
Trim kit	Frame-in kit
C6E17OW CLW	C6 70 MHOE1

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C670MHOE1	Non-IC	Electronic	120V	ED17 (Open-rated)	70 (78)	20" – 30"	10⅞"
C670MHOE2	Non-IC	Electronic	277V	ED17 (Open-rated)	70 (78)	20" – 30"	10⅞"
C670MHU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	70 (94)	20" – 30"	18⅝"
C610MHOE1	Non-IC	Electronic	120V	ED17 (Open-rated)	100 (110)	20" – 30"	10⅞"
C610MHOE2	Non-IC	Electronic	277V	ED17 (Open-rated)	100 (110)	20" – 30"	10⅞"
C6110MHU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	100 (125)	20" – 30"	18⅝"

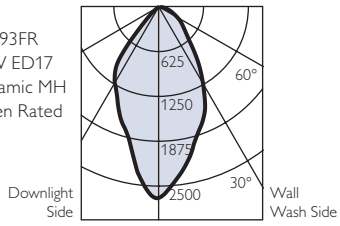
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

6" ED17 Open rated 70W

Reflector trim: C6E17OW CLW



Report: 2393FR
Lamp: 70W ED17 Ceramic MH Open Rated

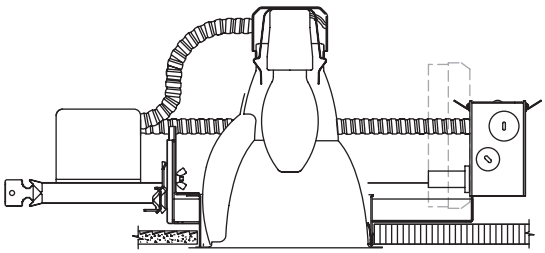


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	19.9	14.8	19.9
2	29.8	23.8	29.8
3	29.4	24.1	29.4
4	28.1	24.6	28.1
5	26.1	24.5	26.1
6	23.2	21.8	23.2
7	20.1	19.5	20.1
8	17.5	17.5	17.5
9	15.4	15.6	15.4
10	13.8	13.9	13.7
12	11.4	11.4	11.4
14	10.2	10.0	10.2

7" aperture

ED17 metal halide open wall wash



Ceiling cutout:: 8"

How to specify

Trim kit	Frame-in kit
C7E17OW CLW	C7 70 MHOE1

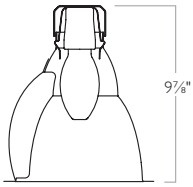
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C770MHOE1	Non-IC	Electronic	120V	ED17 (Open-rated)	70 (78)	20" – 30"	10⅞"
C770MHOE2	Non-IC	Electronic	277V	ED17 (Open-rated)	70 (78)	20" – 30"	10⅞"
C770MHOU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	70 (94)	20" – 30"	18⅝"
C710MHOE1*	Non-IC	Electronic	120V	ED17 (Open-rated)	100 (110)	20" – 30"	10⅞"
C710MHOE2*	Non-IC	Electronic	277V	ED17 (Open-rated)	100 (110)	20" – 30"	10⅞"
C710MHOU	Non-IC	Magnetic	120/277V	ED17 (Open-rated)	100 (125)	20" – 30"	18⅝"
C715MHOE1*	Non-IC	Electronic	120V	ED17 (Open-rated)	150 (167)	20" – 30"	10⅞"
C715MHOE2*	Non-IC	Electronic	277V	ED17 (Open-rated)	150 (167)	20" – 30"	10⅞"

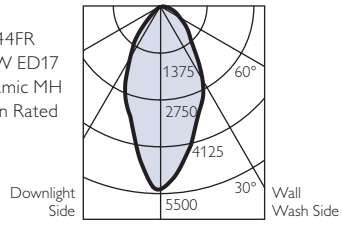
* See specification sheet for marked spacing requirements.

6" ED17 Open rated 100W

Reflector trim: C7E17OW CLW



Report: 2344FR
Lamp: 100W ED17 Ceramic MH Open Rated

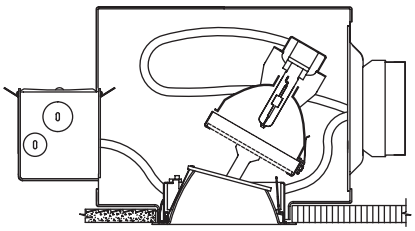


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1	25.8	22.6	25.8
2	37.5	35.2	37.5
3	43.4	39.7	43.4
4	41.4	39.8	41.4
5	38.9	37.1	38.9
6	38.4	34.9	38.4
7	36.5	33.9	36.5
8	33.5	32.3	33.5
9	30.7	30.0	30.7
10	28.3	27.7	28.3
12	24.4	23.8	24.4
14	21.6	21.2	21.6

4 ½" aperture

T4.5 metal halide adjustable accent



Ceiling cutout:: 5 ⅛"

How to specify

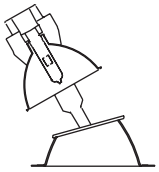
Trim kit	Upper Reflector	Frame-in kit
C4T4A CLW	MHT4RF (Flood) MHT4RNF (Narrow Flood) MHT4RNS (Spot)	C4A 20 T4EU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C4A20T4EU	Non-IC	Electronic	120V/277V	T4-G8.5	20 (23)	20" – 30"	13⅞"
C4A20T4GU65EU	Non-IC	Electronic	120V/277V	T4-GU6.5	20 (23)	20" – 30"	13⅞"
C4A20BT5PGJ5E1	Non-IC	Electronic	120V	T4-PGJ5	22 (25)	20" – 30"	13⅞"
C4A39T4E1	Non-IC	Electronic	120V	T4-G8.5	39 (44)	20" – 30"	13⅞"
C4A39T4E2	Non-IC	Electronic	277V	T4-G8.5	39 (44)	20" – 30"	13⅞"
C4A39T4GU65EU	Non-IC	Electronic	120V/277V	T4-GU6.5	39 (44)	20" – 30"	13⅞"
C4A70T4E1	Non-IC	Electronic	120V	T4-G8.5	70 (78)	20" – 30"	13⅞"
C4A70T4E2	Non-IC	Electronic	277V	T4-G8.5	70 (78)	20" – 30"	13⅞"

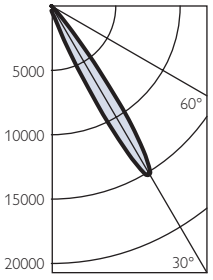
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

4 ½" T4.5 Spot 39W

Trim: C4T4A CLW + MHT4RS (upper reflector)



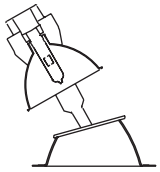
Report: 2350FR
Lamp: 39W T4.5 Ceramic MH
Actual beam: 12°
Max. tilt: 35°



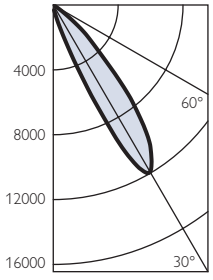
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
8'	4.6'	154	2.3'	1.9'	3'	5.2'	210	2.6'	1.3'
10'	5.8'	98	2.8'	2.4'	4'	6.9'	118	3.5'	1.7'
12'	6.9'	68	3.4'	2.9'	6'	10.4'	53	5.2'	2.5'
15'	8.7'	44	4.2'	3.6'	8'	13.9'	30	7.0'	3.4'
20'	11.5'	25	5.6'	4.9'	12'	20.8'	13	10.4'	5.0'

4 ½" T4.5 Narrow flood 39W

Trim: C4T4A CLW + MHT4RNF (upper reflector)



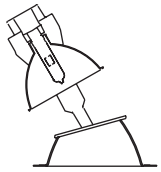
Report: 2349FR
Lamp: 39W T4.5 Ceramic MH
Actual beam: 19°
Max. tilt: 35°



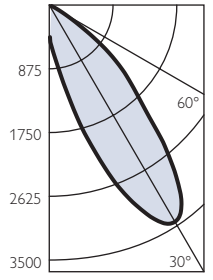
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	201	2.7'	2.3'	2'	3.5'	349	2.9'	1.3'
8'	4.6'	113	3.6'	3.1'	3'	5.2'	155	4.4'	2.0'
10'	5.8'	72	4.5'	3.9'	4'	6.9'	87	5.8'	2.7'
12'	6.9'	50	5.4'	4.6'	6'	10.4'	39	8.8'	4.0'
15'	8.7'	32	6.8'	5.8'	8'	13.9'	22	11.7'	5.4'

4 ½" T4.5 Flood 39W

Trim: C4T4A CLW + MHT4RF (upper reflector)



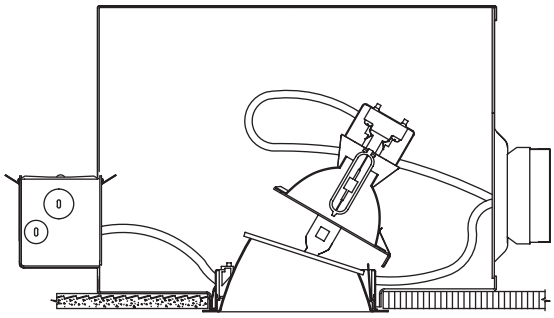
Report: 2348FR
Lamp: 39W T4.5 Ceramic MH
Actual beam: 30°
Max. tilt: 35°



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	62	4.4'	3.7'	2'	3.5'	107	5.5'	2.1'
8'	4.6'	35	5.9'	5.0'	3'	5.2'	48	8.2'	3.2'
10'	5.8'	22	7.3'	6.2'	4'	6.9'	27	10.9'	4.3'
12'	6.9'	16	8.8'	7.4'	6'	10.4'	12	16.4'	6.4'
15'	8.7'	10	11.0'	9.3'	8'	13.9'	7	21.9'	8.6'

6" aperture

T6 metal halide adjustable accent



Ceiling cutout:: 6 9/16"

How to specify

Trim kit	Upper Reflector		Frame-in kit
C6T6A CLW	MHT4RF	(Flood)	C6A 39 T6E1
	MHT4RNF	(Narrow Flood)	
	MHT4RNS	(Spot)	

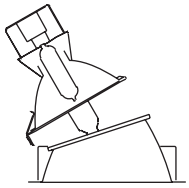
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C6A39T6E1	Non-IC	Electronic	120V	T6	39 (44)	20" – 30"	19 1/8"
C6A39T6E2	Non-IC	Electronic	277V	T6	39 (44)	20" – 30"	19 1/8"
C6A70T6E1	Non-IC	Electronic	120V	T6	70 (78)	20" – 30"	19 1/8"
C6A70T6E2	Non-IC	Electronic	277V	T6	70 (78)	20" – 30"	19 1/8"
C6A15T6E1*	Non-IC	Electronic	120V	T6	150 (167)	20" – 30"	19 1/8"

* See specification sheet for marked spacing requirements.

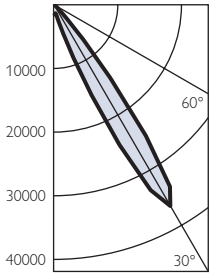
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

6" T6 Spot 70W

Trim: C6T6A CLW + MHT6RS (upper reflector)



Report: 2602FR
Lamp: 70W T6 Ceramic MH
Actual beam: 14°
Max. tilt: 40°



30° Aiming angle Horizontal surface

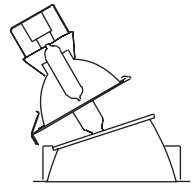
D	C	FC	L	W
8'	4.6'	370	2.6'	2.3'
10'	5.8'	237	3.3'	2.8'
12'	6.9'	165	3.9'	3.4'
15'	8.7'	105	4.9'	4.3'
20'	11.5'	59	6.6'	5.7'

30° Aiming angle Vertical surface

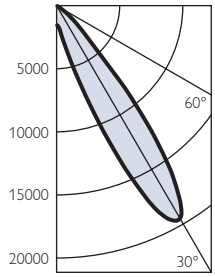
D	C	FC	L	W
3'	5.2'	507	3.1'	1.5'
4'	6.9'	285	4.1'	2.0'
6'	10.4'	127	6.2'	2.9'
8'	13.9'	71	8.2'	3.9'
12'	20.8'	32	12.3'	5.9'

6" T6 Narrow flood 70W

Trim: C6T6A CLW + MHT6RNF (upper reflector)



Report: 2526FR
Lamp: 70W T6 Ceramic MH
Actual beam: 19°
Max. tilt: 40°



30° Aiming angle Horizontal surface

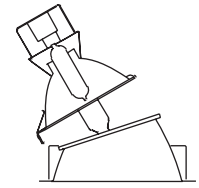
D	C	FC	L	W
8'	4.6'	182	3.6'	3.1'
10'	5.8'	117	4.5'	3.9'
12'	6.9'	81	5.4'	4.6'
15'	8.7'	52	6.8'	5.8'
20'	11.5'	29	9.0'	7.7'

30° Aiming angle Vertical surface

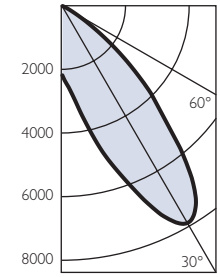
D	C	FC	L	W
3'	5.2'	250	4.4'	2.0'
4'	6.9'	140	5.8'	2.7'
6'	10.4'	62	8.8'	4.0'
8'	13.9'	35	11.7'	5.4'
12'	20.8'	16	17.5'	8.0'

6" T6 Flood 70W

Trim: C6T6A CLW + MHT6RF (upper reflector)



Report: 2527FR
Lamp: 70W T6 Ceramic MH
Actual beam: 33°
Max. tilt: 40°



30° Aiming angle Horizontal surface

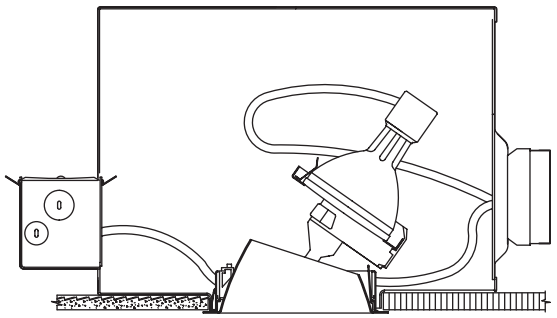
D	C	FC	L	W
8'	4.6'	73	6.5'	5.5'
10'	5.8'	47	8.1'	6.8'
12'	6.9'	33	9.8'	8.2'
15'	8.7'	21	12.2'	10.3'
20'	11.5'	12	16.3'	13.7'

30° Aiming angle Vertical surface

D	C	FC	L	W
3'	5.2'	100	9.6'	3.6'
4'	6.9'	56	12.9'	4.7'
6'	10.4'	25	19.3'	7.1'
8'	13.9'	14	25.7'	9.5'
12'	20.8'	6	38.6'	14.2'

6" aperture

PAR metal halide adjustable accent



Ceiling cutout:: 6 9/16"

How to specify

Trim kit	Frame-in kit
C6P30MHA CLW	C6A 39 P30E1

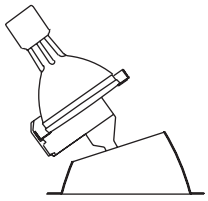
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C6A39P30E1	Non-IC	Electronic	120V	PAR30	39 (44)	20" – 30"	19 1/8"
C6A39P30E2	Non-IC	Electronic	277V	PAR30	39 (44)	20" – 30"	19 1/8"
C6A70P38E1*	Non-IC	Electronic	120V	PAR38	70 (78)	20" – 30"	19 1/8"
C6A70P38E2*	Non-IC	Electronic	277V	PAR38	70 (78)	20" – 30"	19 1/8"

* See specification sheet for marked spacing requirements.

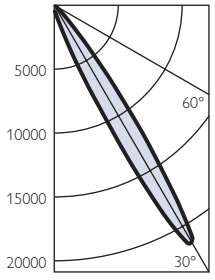
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

6" PAR30 Spot 39W

Reflector trim: C6P30MHA CLW



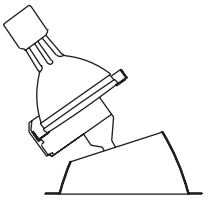
Report: 2500FR
Lamp: 39W PAR30 SP Ceramic MH
Actual beam: 11°
Max. tilt: 40°



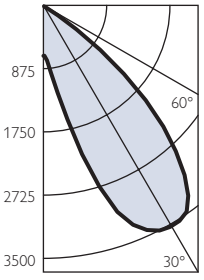
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	387	1.5'	1.3'	2'	3.5'	670	1.6'	0.8'
8'	4.6'	217	2.1'	1.8'	3'	5.2'	298	2.4'	1.2'
10'	5.8'	139	2.6'	2.2'	4'	6.9'	167	3.2'	1.5'
12'	6.9'	97	3.1'	2.7'	6'	10.4'	74	4.8'	2.3'
15'	8.7'	62	3.9'	3.3'	8'	13.9'	42	6.3'	3.1'

6" PAR30 Flood 39W

Reflector trim: C6P30MHA CLW



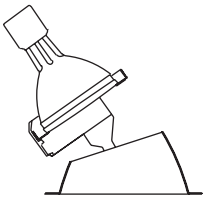
Report: 2499FR
Lamp: 39W PAR30 FL Ceramic MH
Actual beam: 35°
Max. tilt: 40°



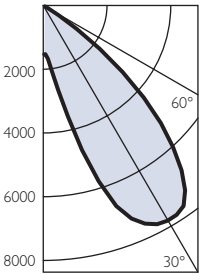
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
8'	4.6'	36	7.0'	5.8'	3'	5.2'	49	10.8'	3.8'
10'	5.8'	23	8.7'	7.3'	4'	6.9'	28	14.4'	5.0'
12'	6.9'	16	10.4'	8.7'	6'	10.4'	12	21.6'	7.6'
15'	8.7'	10	13.0'	10.9'	8'	13.9'	7	28.8'	10.1'
20'	11.5'	6	17.4'	14.6'	12'	20.8'	3	43.1'	15.1'

6" PAR30 Flood 70W

Reflector trim: C6P30MHA CLW



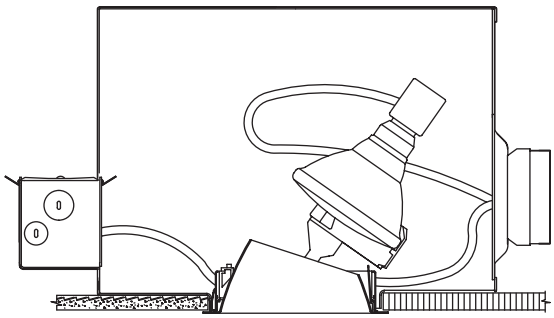
Report: 2498FR
Lamp: 70W PAR30 FL Ceramic MH
Actual beam: 35°
Max. tilt: 40°



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
8'	4.6'	79	7.0'	5.8'	3'	5.2'	108	10.8'	3.8'
10'	5.8'	51	8.7'	7.3'	4'	6.9'	61	14.4'	5.0'
12'	6.9'	35	10.4'	8.7'	6'	10.4'	27	21.6'	7.6'
15'	8.7'	23	13.0'	10.9'	8'	13.9'	15	28.8'	10.1'
20'	11.5'	13	17.4'	14.6'	12'	20.8'	7	43.1'	15.1'

6" aperture

PAR metal halide adjustable accent



Ceiling cutout:: 6 9/16"

How to specify

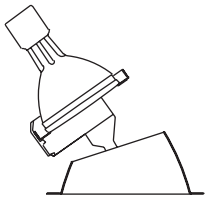
Trim kit	Frame-in kit
C6P38MHA CLW	C6A 70 P38E1

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C6A70P38E1	Non-IC	Electronic	120V	PAR38	70 (78)	20" – 30"	19 1/8"
C6A70P38E2	Non-IC	Electronic	277V	PAR38	70 (78)	20" – 30"	19 1/8"
C6A10P38E1	Non-IC	Electronic	120V	PAR38	100 (110)	20" – 30"	19 1/8"
C6A10P38E2	Non-IC	Electronic	277V	PAR38	100 (110)	20" – 30"	19 1/8"

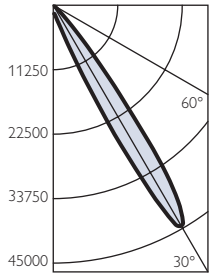
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

6" PAR38 Spot 70W

Reflector trim: C6P38MHA CLW



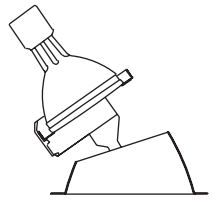
Report: 2502FR
Lamp: 70W PAR38 SP Ceramic MH
Actual beam: 12°
Max. tilt: 40°



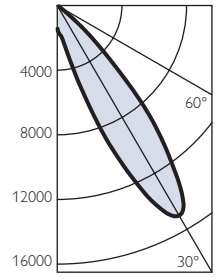
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	802	1.7'	1.5'	2'	3.5'	1390	1.7'	0.8'
8'	4.6'	451	2.3'	1.9'	3'	5.2'	618	2.6'	1.3'
10'	5.8'	289	2.8'	2.4'	4'	6.9'	347	3.5'	1.7'
12'	6.9'	201	3.4'	2.9'	6'	10.4'	154	5.2'	2.5'
15'	8.7'	128	4.2'	3.6'	8'	13.9'	87	7.0'	3.4'

6" PAR38 Flood 70W

Reflector trim: C6P38MHA CLW



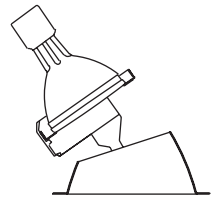
Report: 2501FR
Lamp: 70W PAR38 FL Ceramic MH
Actual beam: 23°
Max. tilt: 40°



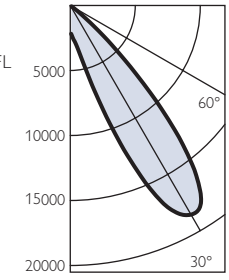
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
8'	4.6'	152	4.4'	3.8'	3'	5.2'	209	5.6'	2.4'
10'	5.8'	98	5.5'	4.7'	4'	6.9'	117	7.4'	3.3'
12'	6.9'	68	6.6'	5.6'	6'	10.4'	52	11.2'	4.9'
15'	8.7'	43	8.3'	7.0'	8'	13.9'	29	14.9'	6.5'
20'	11.5'	24	11.0'	9.4'	12'	20.8'	13	22.3'	9.8'

6" PAR38 Flood 100W

Reflector trim: C6P38MHA CLW



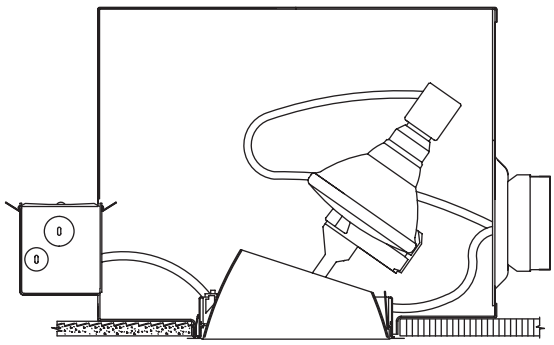
Report: 2503FR
Lamp: 100W PAR38 FL Ceramic MH
Actual beam: 24°
Max. tilt: 40°



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
8'	4.6'	189	4.6'	3.9'	3'	5.2'	258	5.9'	2.6'
10'	5.8'	121	5.8'	4.9'	4'	6.9'	145	7.9'	3.4'
12'	6.9'	84	6.9'	5.9'	6'	10.4'	64	11.8'	5.1'
15'	8.7'	54	8.6'	7.4'	8'	13.9'	36	15.7'	6.8'
20'	11.5'	30	11.5'	9.8'	12'	20.8'	16	23.6'	10.2'

7" aperture

PAR Metal halide adjustable accent



Ceiling cutout:: 8"

How to specify

Trim kit	Frame-in kit
C7P38MHA CLW	C7A 70 P38E1

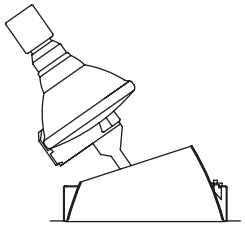
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C7A70P38E1*	Non-IC	Electronic	120V	PAR38	70 (78)	20" – 30"	19 ⅛"
C7A70P38E2*	Non-IC	Electronic	277V	PAR38	70 (78)	20" – 30"	19 ⅛"
C7A10P38E1*	Non-IC	Electronic	120V	PAR38	100 (110)	20" – 30"	19 ⅛"
C7A10P38E2*	Non-IC	Electronic	277V	PAR38	100 (110)	20" – 30"	19 ⅛"
C7A15P38E1*	Non-IC	Electronic	120V	PAR38	150 (167)	20" – 30"	19 ⅛"
C7A15P38E2*	Non-IC	Electronic	277V	PAR38	150 (167)	20" – 30"	19 ⅛"

* See specification sheet for marked spacing requirements.

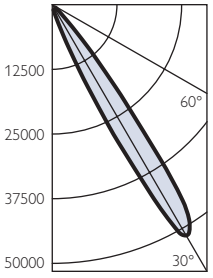
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

7" PAR38 Spot 70W

Reflector trim: C7P38MHA CLW



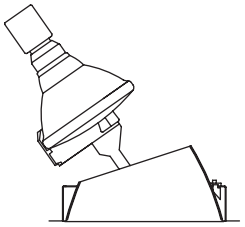
Report: 2485FR
Lamp: 70W PAR38 SP CMH
Actual beam: 12°
Max. tilt: 45°



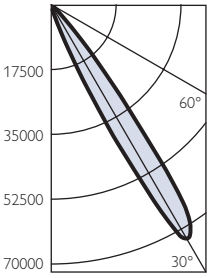
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	929	1.7'	1.5'	2'	3.5'	1610	1.7'	0.8'
8'	4.6'	523	2.3'	1.9'	3'	5.2'	716	2.6'	1.3'
10'	5.8'	335	2.8'	2.4'	4'	6.9'	402	3.5'	1.7'
12'	6.9'	232	3.4'	2.9'	6'	10.4'	179	5.2'	2.5'
15'	8.7'	149	4.2'	3.6'	8'	13.9'	101	7.0'	3.4'

7" PAR38 Spot 100W

Reflector trim: C7P38MHA CLW



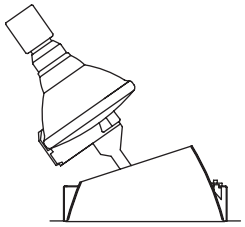
Report: 2488FR
Lamp: 100W PAR38 SP CMH
Actual beam: 12°
Max. tilt: 45°



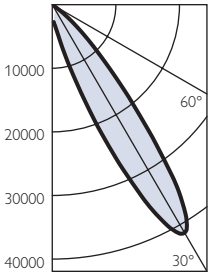
30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
8'	4.6'	740	2.3'	1.9'	3'	5.2'	1012	2.6'	1.3'
10'	5.8'	473	2.8'	2.4'	4'	6.9'	570	3.5'	1.7'
12'	6.9'	329	3.4'	2.9'	6'	10.4'	253	5.2'	2.5'
15'	8.7'	210	4.2'	3.6'	8'	13.9'	142	7.0'	3.4'
20'	11.5'	118	5.6'	4.9'	12'	20.8'	63	10.4'	5.0'

7" PAR38 Spot 150W

Reflector trim: C7P38MHA CLW



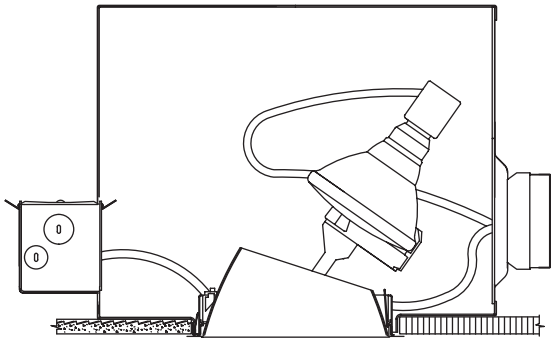
Report: 2583FR
Lamp: 150W PAR38 SP CMH
Actual beam: 18°
Max. tilt: 45°



30° Aiming angle Horizontal surface					30° Aiming angle Vertical surface				
D	C	FC	L	W	D	C	FC	L	W
8'	4.6'	421	3.4'	2.9'	3'	5.2'	576	4.1'	1.9'
10'	5.8'	269	4.3'	3.7'	4'	6.9'	324	5.5'	2.5'
12'	6.9'	187	5.1'	4.4'	6'	10.4'	144	8.2'	3.8'
15'	8.7'	120	6.4'	5.5'	8'	13.9'	81	11.0'	5.1'
20'	11.5'	67	8.5'	7.3'	12'	20.8'	36	16.4'	7.6'

7" aperture

PAR Metal halide adjustable accent



Ceiling cutout:: 8"

How to specify

Trim kit	Frame-in kit
C7P38MHA CLW	C7A 70 P38E1

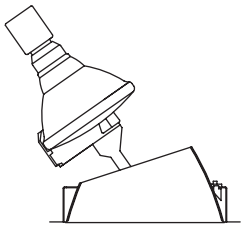
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Length (bars)	Width
C7A70P38E1*	Non-IC	Electronic	120V	PAR38	70 (78)	20" – 30"	19 ⅛"
C7A70P38E2*	Non-IC	Electronic	277V	PAR38	70 (78)	20" – 30"	19 ⅛"
C7A10P38E1*	Non-IC	Electronic	120V	PAR38	100 (110)	20" – 30"	19 ⅛"
C7A10P38E2*	Non-IC	Electronic	277V	PAR38	100 (110)	20" – 30"	19 ⅛"
C7A15P38E1*	Non-IC	Electronic	120V	PAR38	150 (167)	20" – 30"	19 ⅛"
C7A15P38E2*	Non-IC	Electronic	277V	PAR38	150 (167)	20" – 30"	19 ⅛"

* See specification sheet for marked spacing requirements.

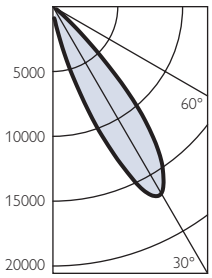
Reflector finish	White flange	Aperture-matching flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

7" PAR38 Flood 70W

Reflector trim: C7P38MHA CLW



Max. tilt: 45°
Report: 2486FR
Lamp: 70W PAR38 FL
Actual beam: 23°



30° Aiming angle Horizontal surface

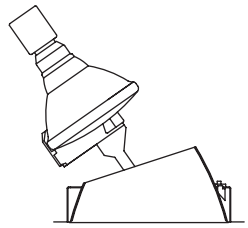
D	C	FC	L	W
6'	3.5'	301	3.3'	2.8'
8'	4.6'	169	4.4'	3.8'
10'	5.8'	108	5.5'	4.7'
12'	6.9'	75	6.6'	5.6'
15'	8.7'	48	8.3'	7.0'

30° Aiming angle Vertical surface

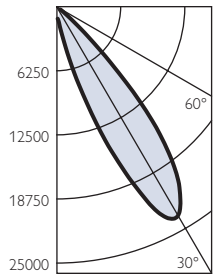
D	C	FC	L	W
2'	3.5'	521	3.7'	1.6'
3'	5.2'	232	5.6'	2.4'
4'	6.9'	130	7.4'	3.3'
6'	10.4'	58	11.2'	4.9'
8'	13.9'	33	14.9'	6.5'

7" PAR38 Flood 100W

Reflector trim: C7P38MHA CLW



Max. tilt: 45°
Report: 2487FR
Lamp: 100W PAR38 FL
Actual beam: 23°



30° Aiming angle Horizontal surface

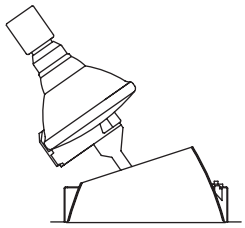
D	C	FC	L	W
8'	4.6'	239	4.4'	3.8'
10'	5.8'	153	5.5'	4.7'
12'	6.9'	106	6.6'	5.6'
15'	8.7'	68	8.3'	7.0'
20'	11.5'	38	11.0'	9.4'

30° Aiming angle Vertical surface

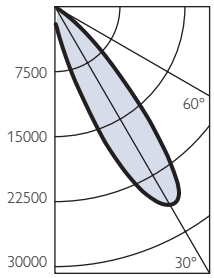
D	C	FC	L	W
3'	5.2'	328	5.6'	2.4'
4'	6.9'	184	7.4'	3.3'
6'	10.4'	82	11.2'	4.9'
8'	13.9'	46	14.9'	6.5'
12'	20.8'	20	22.3'	9.8'

7" PAR38 Flood 150W

Reflector trim: C7P38MHA CLW



Max. tilt: 45°
Report: 2582FR
Lamp: 150W PAR38 FL
Actual beam: 24°



30° Aiming angle Horizontal surface

D	C	FC	L	W
8'	4.6'	268	4.6'	3.9'
10'	5.8'	172	5.8'	4.9'
12'	6.9'	119	6.9'	5.9'
15'	8.7'	76	8.6'	7.4'
20'	11.5'	43	11.5'	9.8'

30° Aiming angle Vertical surface

D	C	FC	L	W
3'	5.2'	367	5.9'	2.6'
4'	6.9'	206	7.9'	3.4'
6'	10.4'	92	11.8'	5.1'
8'	13.9'	52	15.7'	6.8'
12'	20.8'	23	23.6'	10.2'

Inno

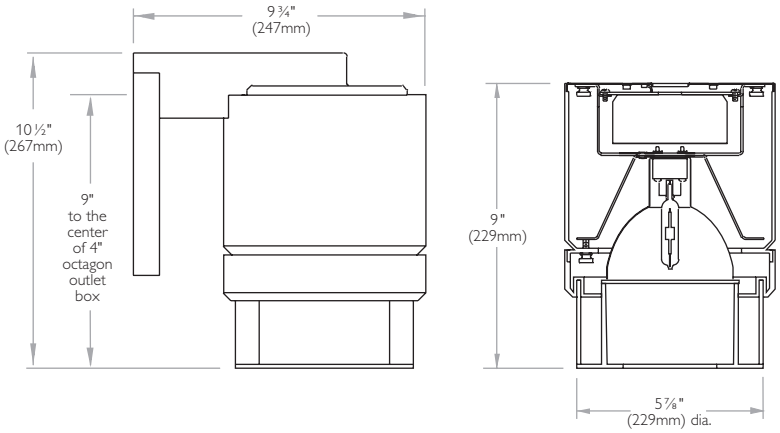
T4.5 Metal halide surface cylinders

How to Specify

Cylinder (complete unit)

C4CIN20T4EUA

Wall Mount Kit

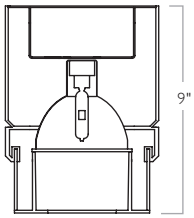


Inno Decorative Cylinder

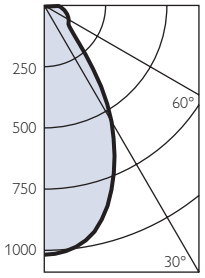
					Luminaire
Cat. No.	Finish	Ballast	Lamp	Voltage	Input Watts
C4CIN20T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	20W (23W)
C4CIN20BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	20W (23W)
C4CIN20T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	20W (23W)
C4CIN39T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	39W (44W)
C4CIN39BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	39W (44W)
C4CIN39T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	39W (44W)

4 ½" T4.5 Inno cylinder 39W

Complete unit: C4CIN39T4EU CLW



Report: 2614FR
Lamp: 39W T4-G8.5 Ceramic MH
Efficiency: 43.6%
Spacing: 0.9



Multiple unit data (RCR 2)

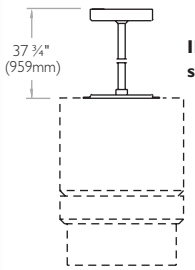
Spacing on center	Initial footcandles	Watts per sq ft
6'	39	1.22
8'	22	0.69
9'	17	0.54

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

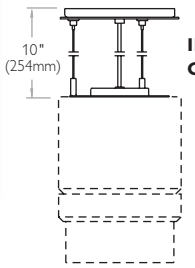
Mounting Kits

Cat. No.	Finish	Description
CA4CWBSA	Brushed aluminum	Wall-mount kit
CACPSA	Brushed aluminum	10' Cable pendant kit
CACSSA	Brushed aluminum	Stem kit

(45° Swivel, 37" long)



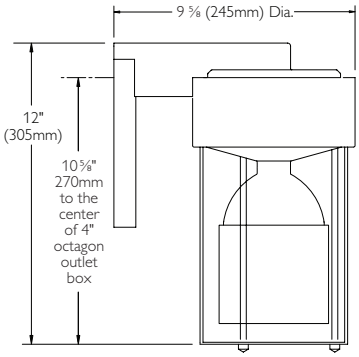
INNO
stem kit

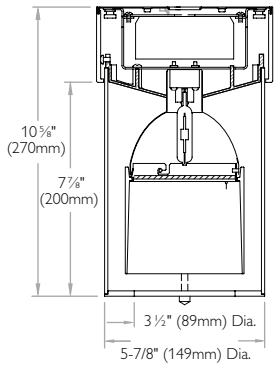


INNO
Cable pendant kit

Expo

T4.5 Metal halide surface cylinders





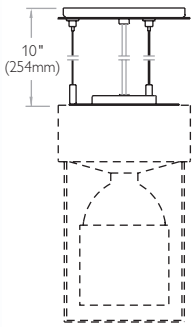
How to Specify

Cylinder (complete unit)

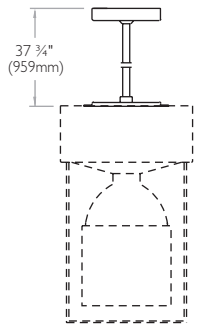
C4CEX20T4EUA

Expo Decorative Cylinder

					Luminaire
Cat. No.	Finish	Ballast	Lamp	Voltage	Input Watts
C4CEX20T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	20W (23W)
C4CEX20BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	20W (23W)
C4CEX20T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	20W (23W)
C4CEX39T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	39W (44W)
C4CEX39BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	39W (44W)
C4CEX39T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	39W (44W)



EXPO
Stem kit



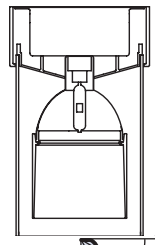
EXPO
Cable pendant kit

Mounting Kits

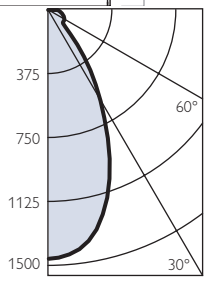
Cat. No.	Finish	Description
CA4CWBSA	Brushed aluminum	Wall-mount kit
CACPSA	Brushed aluminum	10' Cable pendant kit
CACSSA	Brushed aluminum	Stem kit
CAEXPTSA	Brushed aluminum	Expo3 rod & trim kit

4 ½" T4.5 Expo cylinder 39W

Complete unit: C4CEX39T4EU CLW



Report: 2605FR
Lamp: 39W T4-G8.5 Ceramic MH
Efficiency: 49.7%
Spacing: 0.8



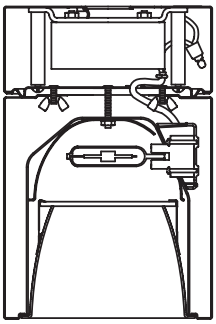
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	42	1.22
8'	24	0.69
9'	19	0.54

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

4 ½" aperture

T4.5 Metal halide surface cylinders



How to specify

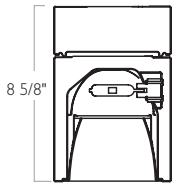
Cylinder (complete unit)

C4CS20T4E1/C4T4HW CLW

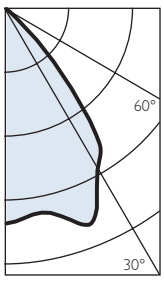
Cylinder Housing	Finish	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)	Reflector finish	
C4CS20T4E1	Painted White	Electronic	120V	T4-G8.5	20 (23)	Specular clear	CL
C4CS20T4E2	Painted White	Electronic	277V	T4-G8.5	20 (23)	Comfort clear diffuse	CCD
C4CS39T4E1	Painted White	Electronic	120V	T4-G8.5	39 (44)		
C4CS39T4E2	Painted White	Electronic	277V	T4-G8.5	39 (44)		

4 ½" T4.5 wide beam 39W

Complete unit: C4T4HW CLW



Report: 2341FR
Lamp: 39W T4.5 Ceramic MH
Efficiency: 52.4%
Spacing: 1.1



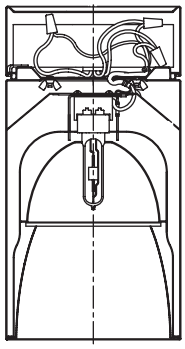
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	50	1.22
8'	28	0.69
9'	22	0.54
10'	18	0.44
11'	15	0.36

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

6" aperture

T6 Metal halide surface cylinders



How to specify

Cylinder (complete unit)

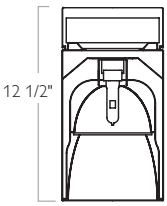
C6CS39T6EU/C6T6VW CL

Cylinder Housing	Finish	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)
C6CS39T6EU	Painted White	Electronic	120V	T6	39 (44)
C6CS70T6EU	Painted White	Electronic	120V	T6	70 (78)

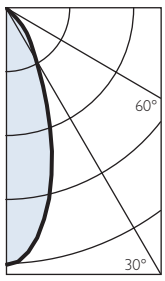
Reflector finish		
Specular clear	CL	CCD
Comfort clear diffuse	CCD	CCD

6" T6 narrow beam 70W

Complete unit: C6T6VN CL



Report: 2334FR
Lamp: 70W T6 Ceramic MH
Efficiency: 62.7%
Spacing: 0.6



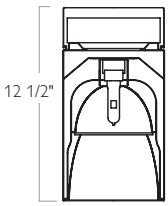
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	123	2.17
8'	69	1.22
9'	55	0.96

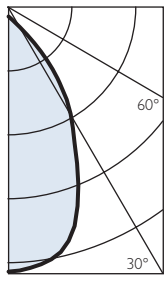
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

6" T6 medium beam 70W

Complete unit: C6T6VM CL



Report: 2335FR
Lamp: 70W T6 Ceramic MH
Efficiency: 62.8%
Spacing: 0.9



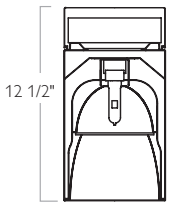
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	121	2.17
8'	68	1.22
9'	54	0.96

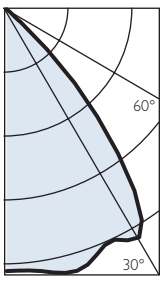
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

6" T6 wide beam 70W

Complete unit: C6T6VW CL



Report: 2323FR
Lamp: 70W T6 Ceramic MH
Efficiency: 60.5%
Spacing: 1.2



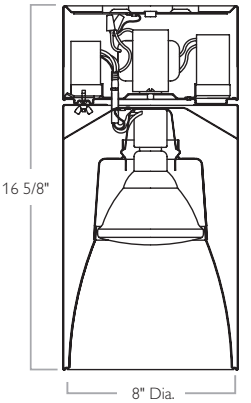
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	116	2.17
8'	65	1.22
9'	51	0.96

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

7" aperture

ED17/BD17/PAR Metal halide surface cylinders



How to specify

Cylinder (complete unit)

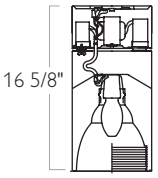
C7CS70MEU/C7E17OVM CLW

Cylinder Housing	Finish	Ballast	Input voltage	Lamp	Wattage-lamp (luminaire)
C7CS70MEU	Painted White	Electronic	120/277V	PAR38 / ED17 (Enclosed-rated)	70 (78)
C7CS70MHU	Painted White	Magnetic	120/277V	PAR38 / ED17 (Enclosed-rated)	70 (94)
C7CS70MHOEU	Painted White	Electronic	120/277V	PAR38 / ED17 (Open-rated)	70 (78)
C7CS70MHOU	Painted White	Magnetic	120/277V	PAR38 / ED17 (Open-rated)	70 (94)
	Painted White	Electronic	120/277V	PAR38 / ED17 (Enclosed-rated)	100 (110)
C7CS10MHU	Painted White	Magnetic	120/277V	PAR38 / ED17 (Enclosed-rated)	100 (125)
C7CS10MHOEU	Painted White	Electronic	120/277V	PAR38 / ED17 (Open-rated)	100 (110)
C7CS10MHOU	Painted White	Magnetic	120/277V	PAR38 / ED17 (Open-rated)	100 (125)

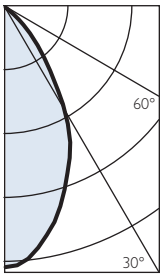
Reflector finish	White Flange	Polished flange
Specular clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP

7" ED17 Open rated 100W

Complete unit: C7E17OVM CLW



Report: 2396FR
Lamp: 100W ED17
Ceramic MH
Open Rated
Efficiency: 61.3%
Spacing: 0.8



Multiple unit data (RCR 2)

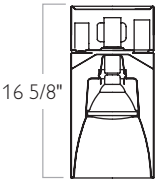
Spacing on center	Initial footcandles	Watts per sq ft
6'	153	3.47
8'	86	1.95
9'	68	1.54
10'	55	1.25

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

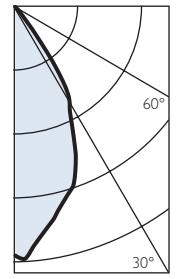
For ED17 (enclosed) reflector trim order C7E17VM.

7" PAR38 100W

Complete unit: C7P38MH CLW



Report: 2422FR
Lamp: 100W PAR38
WFL
Ceramic MH
Efficiency: 84.1%
Spacing: 0.8



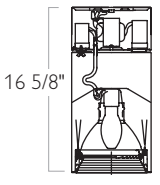
Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	170	3.47
8'	96	1.95
9'	76	1.54
10'	61	1.25

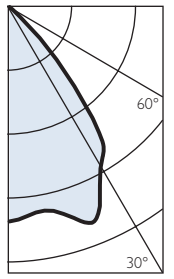
38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

7" ED17 Prismatic lens 100W

Complete unit: C7E17PL CLW



Report: 2567FR
Lamp: 100W ED17
Ceramic MH
Enclosed
Efficiency: 44.2%
Spacing: 0.9



Multiple unit data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	106	3.47
8	60	1.95
9'	47	1.54
10'	38	1.25

38' x 38' x 10' room, workplane 2½' above floor, 80/50/20% reflectances

For fresnel lens reflector trim order C7E17FL.

Low & line voltage lighting

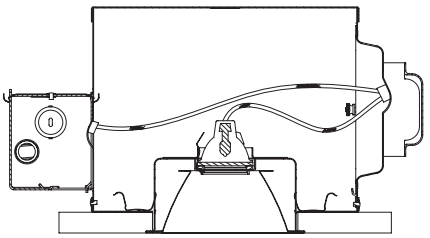
Calculite offers a broad array of architectural downlights designed specifically for general ambient lighting, wall washing and accent lighting.

Contents

Open downlight > 1.88
Lensed wall washer > 1.89
Adjustable accent > 1.90
Lensed adjustable accent > 1.91
Evolution > 1.92
Open downlight - A lamp > 1.126
Shallow downlights - A lamp > 1.127
Ellipsoidal downlights - A, T lamps > 1.128
Lensed downlights - A lamp > 1.129
Open downlights - PAR, R, BR lamps > 1.130
Open downlights - PAR, BR lamps > 1.131
Open wall washers - A lamp > 1.132
Shallow open downlights - A lamps > 1.133
Adjustable accent - PAR lamps > 1.134
Lensed wall washers - PAR lamps > 1.136
Framing projector - T4 > 1.137
Surface cylinders > 1.138

4 ½" x 4 ½" aperture

Open halogen MR16 downlight



Ceiling cutout: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

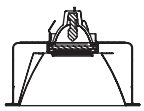
Trim kit	Frame-in kit
C4X4MRD CLW	C4X4LVMU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4X4LVMU	Non-IC	Magnetic	120V/277V	MR16	42-65W	15"	13 3/4"	7 1/2"
C4X4LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 3/4"	13 3/4"	7 1/2"
C4X4LVE2	Non-IC	Electronic	277V	MR16	65W Max.	15"	13 3/4"	7 1/2"

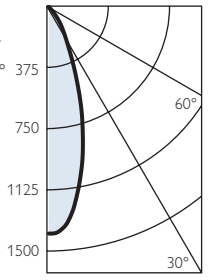
Reflector finish	White Flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
White	WHW	N/A

4½" x 4½" Aperture 37W IR MR16, 40°

Reflector trim: C4X4MRD CLW



Report no.: 3365FR-37W
Lamp: 37W IR MR16 - 40°
Initial lumens: 840
Efficiency: 72.5%
Spacing: 0.6



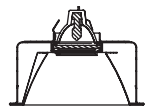
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
4'	35	2.31
5'	24	1.61
6'	15	1.03

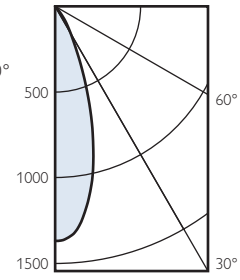
24' X 24' x 12' room, workplane
2 1/2' above floor, 80/50/20% reflectances

4½" x 4½" Aperture 50W MR16, 40°

Reflector trim: C4X4MRD CLW



Report no.: 3366FR
Lamp: 50W MR16 - 40°
Initial lumens: 800
Efficiency: 77.6%
Spacing: 0.6



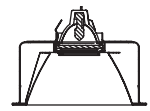
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
4'	35	3.38
5'	24	2.34
6'	16	1.49

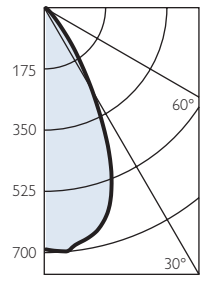
24' X 24' x 12' room, workplane
2 1/2' above floor, 80/50/20% reflectances

4½" x 4½" Aperture 50W MR16, 60°

Reflector trim: C4X4MRD CLW



Report no.: 3367FR
Lamp: 50W MR16 - 60°
Initial lumens: 825
Efficiency: 66.0%
Spacing: 0.8



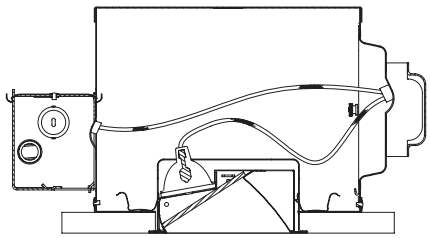
Multiple unit data (RCR 1)

Spacing on center	Initial footcandles	Watts per sq ft
4'	31	3.38
5'	21	2.34
6'	14	1.49

24' X 24' x 12' room, workplane
2 1/2' above floor, 80/50/20% reflectances

4 ½" x 4 ½" aperture

Lensed halogen MR16 wall washer



Ceiling cutout:: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

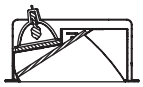
Trim kit	Frame-in kit
C4X4MRL CLW	C4X4LVMU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4X4LVMU	Non-IC	Magnetic	120V/277V	MR16	42-65W	15"	13 3/4"	7 1/2"
C4X4LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 3/4"	13 3/4"	7 1/2"
C4X4LVE2	Non-IC	Electronic	277V	MR16	65W Max.	15"	13 3/4"	7 1/2"

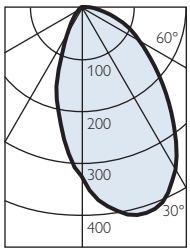
Reflector finish	White Flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
White	WHW	N/A

4 ½" x 4 ½" Aperture 37W MR16 IR, 40° FL

Reflector trim: C4X4MRL CLW



Report no.: 3406FR
Lamp: 37W MR16 IR
Initial lumens: 840
Efficiency: 55.1%

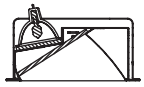


Multiple units Footcandles on wall

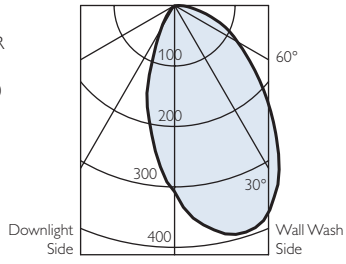
Distance from ceiling in feet	2' from Wall - 2' On Center	2'	
1	26	25	26
2	30	28	30
3	24	23	24
4	18	18	18
5	14	13	14
6	11	11	11
7	7	7	7
8	6	6	6
9	5	5	5
10	4	4	4

4 ½" x 4 ½" Aperture 50W MR16, 40° FL

Reflector trim: C4X4MRL CLW



Report no.: 3406FR
Lamp: 50W MR16
Initial lumens: 800
Efficiency: 55.1%

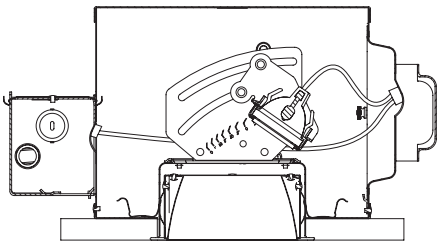


Multiple units Footcandles on wall

Distance from ceiling in feet	2' from Wall - 2' On Center	2'	
1	25	24	25
2	29	27	29
3	23	22	23
4	17	17	17
5	13	12	13
6	10	10	10
7	7	7	7
8	6	6	6
9	5	5	5
10	4	4	4

4 ½" x 4 ½" aperture

Halogen MR16 adjustable accent



Ceiling cutout:: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

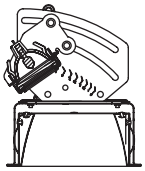
Trim kit	Frame-in kit
C4X4MRA CLW	C4X4LVMU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4X4LVMU	Non-IC	Magnetic	120V/277V	MR16	42-65W	15"	13 3/4"	7 1/2"
C4X4LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 3/4"	13 3/4"	7 1/2"
C4X4LVE2	Non-IC	Electronic	277V	MR16	65W Max.	15"	13 3/4"	7 1/2"

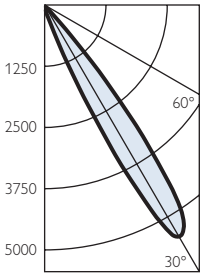
Reflector finish	White Flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
White	WHW	N/A

4 ½" x 4 ½" Aperture
50W MR16, 15°

Reflector trim: C4X4MRA CLW



Report no.: 3371FR
Lamp: 50W MR16 - 15°
Initial lumens: 750
Efficiency: 80.3%



30° Aiming angle - Horizontal surface

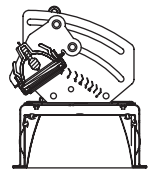
D	C	FC	L	W
6'	3.5'	98	2.0'	1.7'
8'	4.6'	55	2.6'	2.3'
10'	5.8'	35	3.3'	2.8'
12'	6.9'	25	3.9'	3.4'
15'	8.7'	16	4.9'	4.3'

30° Aiming angle - Vertical surface

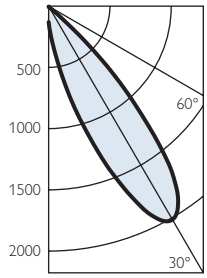
D	C	FC	L	W
2'	3.5'	170	2.1'	1.0'
3'	5.2'	76	3.1'	1.5'
4'	6.9'	43	4.1'	2.0'
6'	10.4'	19	6.2'	2.9'
8'	13.9'	11	8.2'	3.9'

4 ½" x 4 ½" Aperture
50W MR16, 25°

Reflector trim: C4X4MRA CLW



Report no.: 3372FR
Lamp: 50W MR16 - 25°
Initial lumens: 800
Efficiency: 77.9%



30° Aiming angle - Horizontal surface

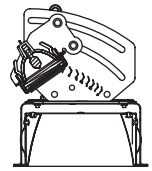
D	C	FC	L	W
6'	3.5'	36	3.8'	3.2'
8'	4.6'	20	5.0'	4.3'
10'	5.8'	13	6.3'	5.3'
12'	6.9'	9	7.5'	6.4'
15'	8.7'	6	9.4'	8.0

30° Aiming angle - Vertical surface

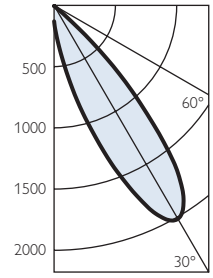
D	C	FC	L	W
2'	3.5'	63	4.4'	1.8'
3'	5.2'	28	6.6'	2.8'
4'	6.9'	16	8.8'	3.7'
6'	10.4'	7	13.2'	5.5'
8'	13.9'	4	17.6'	7.4"

4 ½" x 4 ½" Aperture
50W MR16, 40°

Reflector trim: C4X4MRA CLW



Report no.: 3373FR
Lamp: 50W MR16 - 40°
Initial lumens: 800
Efficiency: 81.5%



30° Aiming angle - Horizontal surface

D	C	FC	L	W
6'	3.5'	27	4.9'	4.1'
8'	4.6'	15	6.5'	5.5'
10'	5.8'	10	8.1'	6.8'
12'	6.9'	7	9.8'	8.2'
15'	8.7'	4	12.2'	10.3'

30° Aiming angle - Vertical surface

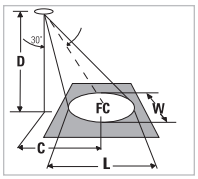
D	C	FC	L	W
2'	3.5'	47	6.4'	2.4'
3'	5.2'	21	9.6'	3.6'
4'	6.9'	12	12.9'	4.7'
6'	10.4'	5	19.3'	7.1'
8'	13.9'	3	25.7'	9.5'

4 ½" x 4 ½" aperture

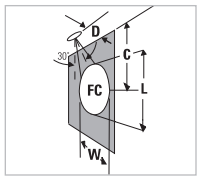
Halogen MR16 lensed adjustable accent

30° Aiming angle

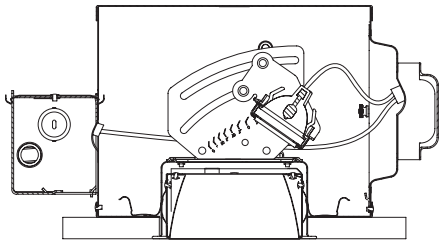
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



Ceiling cutout:: 5 ¼" x 5 ¼"
Ceiling thickness: 2" Max.

How to specify

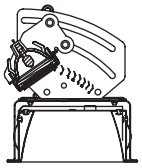
Trim kit	Frame-in kit
C4X4MRW CLW	C4X4LVMU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4X4LVMU	Non-IC	Magnetic	120V/277V	MR16	42-65W	15"	13 3/4"	7 1/2"
C4X4LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 3/4"	13 3/4"	7 1/2"
C4X4LVE2	Non-IC	Electronic	277V	MR16	65W Max.	15"	13 3/4"	7 1/2"

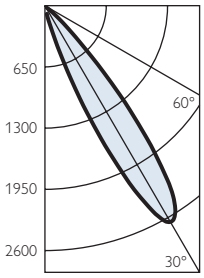
Reflector finish	White Flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
White	WHW	N/A

4 ½" x 4 ½" Aperture
50W MR16, 15°

Reflector trim: C4X4MRW CLW



Report no.: 3370FR
Lamp: 50W MR16 - 15°
Initial lumens: 750
Efficiency: 69.6%



30° Aiming angle - Horizontal surface

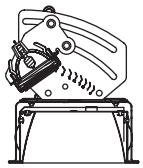
D	C	FC	L	W
6'	3.5'	48	2.6'	101'
8'	4.6'	27	3.4'	2.9'
10'	5.8'	17	4.3'	3.7'
12'	6.9'	12	5.1'	4.4'
15'	8.7'	8	6.4'	5.5''

30° Aiming angle - Vertical surface

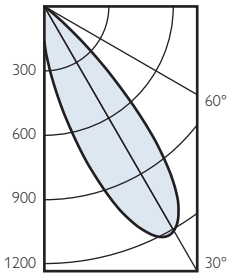
D	C	FC	L	W
6'	3.5'	48	2.6'	101'
8'	4.6'	27	3.4'	2.9'
10'	5.8'	17	4.3'	3.7'
12'	6.9'	12	5.1'	4.4'
15'	8.7'	8	6.4'	5.5'

4 ½" x 4 ½" Aperture
50W MR16, 25°

Reflector trim: C4X4MRW CLW



Report no.: 3369FR
Lamp: 50W MR16 - 25°
Initial lumens: 800
Efficiency: 64.9%



30° Aiming angle - Horizontal surface

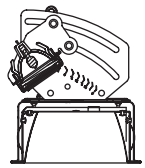
D	C	FC	L	W
6'	3.5'	22	4.4'	3.7'
8'	4.6'	12	5.9'	5.0'
10'	5.8'	8	7.3'	6.2'
12'	6.9'	5	8.8'	7.4'
15'	8.7'	3	11.0'	9.3'

30° Aiming angle - Vertical surface

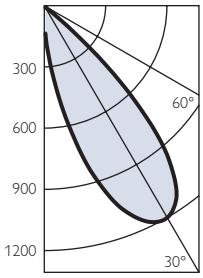
D	C	FC	L	W
2'	3.5'	38	5.5'	2.1'
3'	5.2'	17	8.2'	3.2'
4'	6.9'	9	10.9'	4.3'
6'	10.4'	4	16.4'	6.4'
8'	13.9'	2	21.9'	8.6

4 ½" x 4 ½" Aperture
50W MR16, 40°

Reflector trim: C4X4MRW CLW



Report no.: 3368FR
Lamp: 50W MR16 - 40°
Initial lumens: 800
Efficiency: 66.4%



30° Aiming angle - Horizontal surface

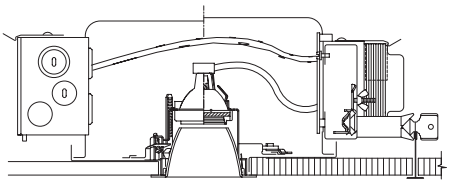
D	C	FC	L	W
6'	3.5'	22	4.9'	4.1'
8'	4.6'	12	6.5'	5.5'
10'	5.8'	8	8.1'	6.8'
12'	6.9'	5	9.8'	8.2'
15'	8.7'	3	12.2'	10.3'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	37	6.4'	2.4'
3'	5.2'	17	9.6'	3.6'
4'	6.9'	9	12.9'	4.7'
6'	10.4'	4	19.3'	7.1'
8'	13.9'	2	25.7'	9.5

3" aperture

Evolution halogen MR16 downlight



C3MRD CLW trim with **C3LV**
frame-in kit shown above. **Ceiling cutout:** 3 1/2"

How to specify

Trim kit	Frame-in kit
C3MRD CLW	C3LV

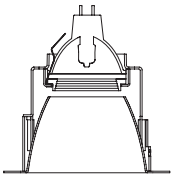
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

Reflector finish	White flange	Polished flange	Flangeless
Clear	CLW	CLP	CLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
Gold	GDW	GDP	GDFT
White	WHW	N/A	WHFT
Black	BKW	BKP	BKFT

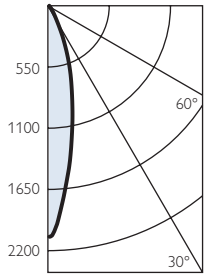
* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

3" Aperture 37W MR16 IR, 40° FL

Reflector trim: C3MRD CLW



Report no.: 2741FR
Lamp: 37W MR16 IR 40° Flood
Initial lumens: 840
Efficiency: 68.7%
Spacing: 0.4



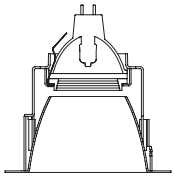
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	124	1'
6'	56	2'
8'	31	3'
10'	20	4'

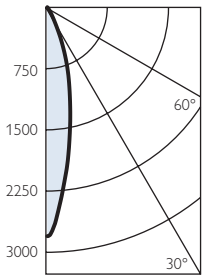
Beam diameter defined as point at which foot-candles drop to 50% of maximum

3" Aperture 50W MR16 IR, 40° FL

Reflector trim: C3MRD CLW



Report no.: 26429FR
Lamp: 50W MR16 IR 40° Flood
Initial lumens: 1125
Efficiency: 68.8%
Spacing: 0.4



Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	158	1'
6'	74	2'
8'	42	3'
10'	27	4'

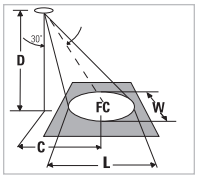
Beam diameter defined as point at which foot-candles drop to 50% of maximum

3" aperture

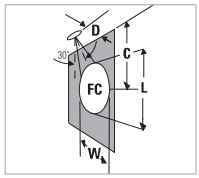
Evolution halogen MR16 adjustable accent

30° Aiming angle

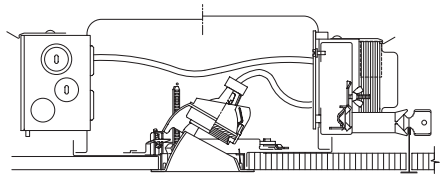
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C3MRA CLW trim with C3LV frame-in kit shown above. **Ceiling cutout:** 3 1/2"

How to specify

Trim kit	Frame-in kit
C3MRA CLW	C3LV

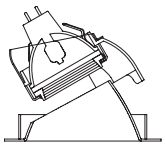
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

Reflector finish	White flange	Polished flange	Flangeless
Clear	CLW	CLP	CLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
Gold	GDW	GDP	GDFT
White	WHW	N/A	WHFT
Black	BKW	BKP	BKFT

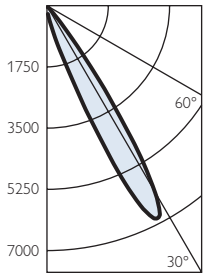
* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

3" Aperture 50W MR16, 15° SP

Reflector trim: C3MRA CLW



Report no.: 2712FR
Lamp: 50W MR16 - 15°
Max tilt: 45°
Initial lumens: 750
Luminare beam: 13°



30° Aiming angle - Horizontal surface

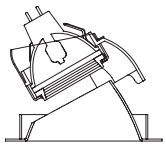
D	C	FC	L	W
6'	3.5'	133	3.1'	2.7'
8'	4.6'	75	4.2'	3.6'
10'	5.8'	48	5.2'	4.5'
12'	6.9'	33	6.3'	5.4'
15'	8.7'	21	7.9'	6.7'

30° Aiming angle - Vertical surface

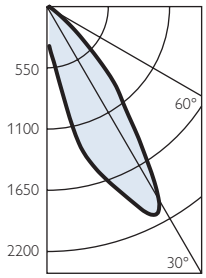
D	C	FC	L	W
2'	3.5'	260	3.5'	1.6'
3'	5.2'	117	5.3'	2.3'
4'	6.9'	66	7.0'	3.1'
6'	10.4'	29	10.5'	4.7'
8'	13.9'	17	14.0'	6.2'

3" Aperture 50W MR16, 25° NFL

Reflector trim: C3MRA CLW



Report no.: 2708FR
Lamp: 50W MR16 - 25°Narrow Flood
Max tilt: 45°
Initial lumens: 800
Luminare beam: 28°



30° Aiming angle - Horizontal surface

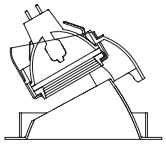
D	C	FC	L	W
6'	3.5'	41	4.1'	3.5'
8'	4.6'	23	5.4'	4.6'
10'	5.8'	15	6.8'	5.8'
12'	6.9'	10	8.1'	5.9'
15'	8.7'	7	10.2'	8.6'

30° Aiming angle - Vertical surface

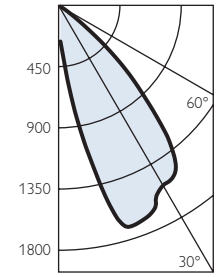
D	C	FC	L	W
2'	3.5'	91	4.9'	2.0'
3'	5.2'	40	7.4'	3.0'
4'	6.9'	23	9.8'	4.0'
6'	10.4'	10	14.7'	6.0'
8'	13.9'	6	19.6'	8.0'

3" Aperture 50W MR16, 40° FL

Reflector trim: C3MRA CLW



Report no.: 2709FR
Lamp: 50W MR16 - 40°Narrow Flood
Max tilt: 45°
Initial lumens: 800
Luminare beam: 35°



30° Aiming angle - Horizontal surface

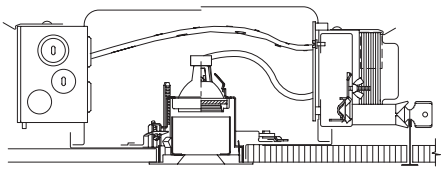
D	C	FC	L	W
6'	3.5'	40	5.2'	4.4'
8'	4.6'	23	7.0'	5.8'
10'	5.8'	15	8.7'	7.3'
12'	6.9'	10	10.4'	8.7'
15'	8.7'	6	13.0'	10.9'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	102	7.2'	2.5'
3'	5.2'	45	10.8'	3.8'
4'	6.9'	25	14.4'	5.0'
6'	10.4'	11	21.6'	7.6'
8'	13.9'	6	28.8'	10.1

3" aperture

Evolution halogen MR16 1 ¼" pinhole downlight



C3MRPD CLW trim with **C3LV**
frame-in kit shown above. **Ceiling cutout:** 3 1/2"

How to specify

Trim kit	Frame-in kit
C3MRPD BK	C3LV

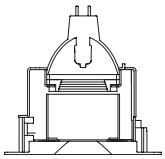
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

Reflector finish	White flange	Polished flange	Flangeless*
White	WH	N/A	WHFT
Black	BK	N/A	BKFT
Satin aluminum	N/A	S/A	SAFT

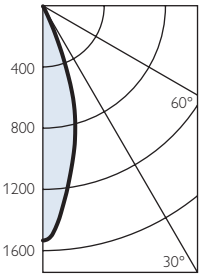
* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

1 ¼" pinhole 37W MR16 IR, 40° FL

Reflector trim: C3MRPD CLW



Report no.: 2739FR
Lamp: 37W MR16 IR 40° Flood
Initial lumens: 840
Efficiency: 53.5%
Spacing: 0.5



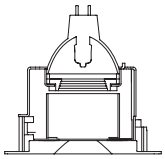
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	75	1'
6'	42	2'
8'	24	3'
10'	15	4'

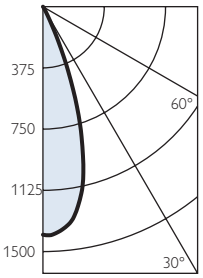
Beam diameter defined as point at which foot-candles drop to 50% of maximum

1 ¼" pinhole 50W MR16 IR, 40° FL

Reflector trim: C3MRPD BK



Report no.: 2720FR
Lamp: 50W MR16 IR 40° Flood
Initial lumens: 800
Efficiency: 62.5%
Spacing: 0.6



Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	88	1'
6'	89	2'
8'	22	3'
10'	14	4'

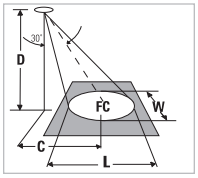
Beam diameter defined as point at which foot-candles drop to 50% of maximum

3" aperture

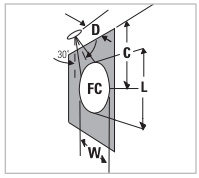
Evolution halogen MR16 1 ¼" pinhole adjustable accent

30° Aiming angle

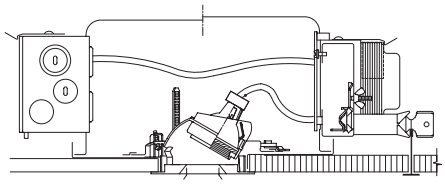
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C3MRPA SA trim with **C3LV** frame-in kit shown above. **Ceiling cutout:** 3 1/2"

How to specify

Trim kit	Frame-in kit
C3MRPA SA	C3LV

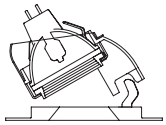
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

Reflector finish	White flange	Polished flange	Flangeless*
White	WH	N/A	WHFT
Black	BK	N/A	BKFT
Satin aluminum	N/A	S/A	SAFT

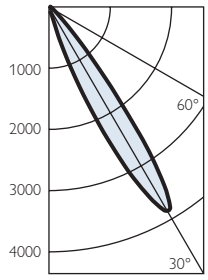
* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

1 ¼" pinhole 37W MR16 IR, 10° SP

Reflector trim: C3MRPA BK



Report no.: 2740FR
Lamp: 37W MR16 - 10°Spot
Max tilt: 35°
Initial lumens: 840
Luminare beam: 15°



30° Aiming angle - Horizontal surface

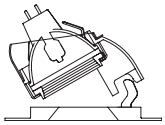
D	C	FC	L	W
6'	3.5'	70	2.1'	1.8'
8'	4.6'	39	2.8'	2.4'
10'	5.8'	25	3.5'	3.0'
12'	6.9'	17	4.2'	3.6'
15'	8.7'	11	5.3'	4.6'

30° Aiming angle - Vertical surface

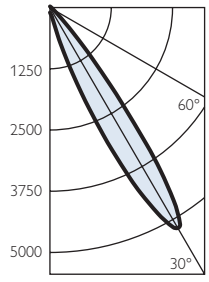
D	C	FC	L	W
2'	3.5'	146	2.2'	1.1'
3'	5.2'	65	3.3'	1.6'
4'	6.9'	37	4.4'	2.1'
6'	10.4'	16	6.7'	3.2'
8'	13.9'	9	8.9'	4.2

1 ¼" pinhole 50W MR16, 10° SP

Reflector trim: C3MRPA BK



Report no.: 2718FR
Lamp: 37W MR16 - 10°Spot
Max tilt: 35°
Initial lumens: 1125
Luminare beam: 15°



30° Aiming angle - Horizontal surface

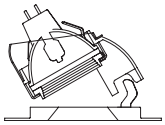
D	C	FC	L	W
6'	3.5'	94	2.1'	1.8'
8'	4.6'	53	2.8'	2.4'
10'	5.8'	34	3.5'	3.0'
12'	6.9'	23	4.2'	3.6'
15'	8.7'	15	5.3'	4.6

30° Aiming angle - Vertical surface

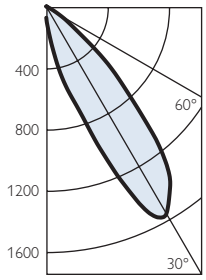
D	C	FC	L	W
2'	3.5'	195	2.2'	1.1'
3'	5.2'	88	3.3'	1.6'
4'	6.9'	49	4.4'	2.1'
6'	10.4'	22	6.7'	3.2'
8'	13.9'	12	8.9'	4.2'

1 ¼" pinhole 50W MR16, 25° NFL

Reflector trim: C3MRPA BK



Report no.: 2719FR
Lamp: 50W MR16 - 25°Narrow Flood
Max tilt: 35°
Initial lumens: 800
Luminare beam: 26°



30° Aiming angle - Horizontal surface

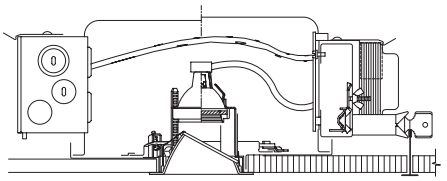
D	C	FC	L	W
6'	3.5'	94	2.1'	1.8'
8'	4.6'	53	2.8'	2.4'
10'	5.8'	34	3.5'	3.0'
12'	6.9'	23	4.2'	3.6'
15'	8.7'	15	5.3'	4.6'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	78	4.4'	1.8'
3'	5.2'	35	6.6'	2.8'
4'	6.9'	20	8.8'	3.7'
6'	10.4'	9	13.2'	5.5'
8'	13.9'	5	17.6'	7.4'

3" aperture

Evolution halogen MR16 lensed wall washer



C3MRL CLW trim with **C3LV** frame-in kit shown above. **Ceiling cutout:** 3 1/2"

How to specify

Trim kit	Frame-in kit
C3MRL CLW	C3LV

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

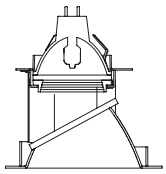
Reflector finish	White flange	Polished flange	Flangeless*
Clear	CLW	CLP	CLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
Gold	GDW	GDP	GDFT
White	WHW	N/A	WHFT
Black	BKW	BKP	BKFT

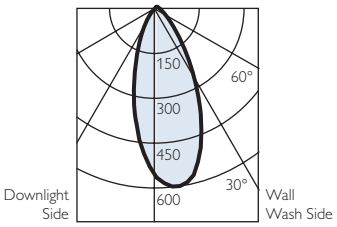
* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

3" Aperture 37W MR16 IR, 40° FL

Reflector trim: C4X4MRL CLW

Report no.: 2774FR
Lamp: 37W MR16 IR 40° Flood
Initial lumens: 840





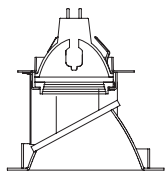
Multiple units Footcandles on wall

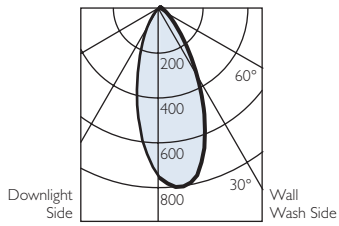
Distance from ceiling in feet	2' from Wall - 2' On Center	2'	
1'	3	3	3
2'	7	7	7
3'	12	11	12
4'	13	13	13
5'	12	12	12
6'	10	10	10
7'	9	8	9
8'	7	7	7
9'	6	6	6
10'	5	5	5

3" Aperture 50W MR16 IR, 40° FL

Reflector trim: C3MRL CLW

Report no.: 2700FR
Lamp:50W MR16 IR 40° Flood
Initial lumens: 1125





Multiple units Footcandles on wall

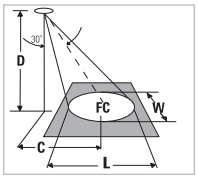
Distance from ceiling in feet	2' from Wall - 2' On Center	2'	
1'	4	3	4
2'	10	9	10
3'	16	15	16
4'	18	17	18
5'	16	16	16
6'	14	14	14
7'	12	11	11
8'	10	10	10
9'	8	8	8
10'	7	7	7

3" aperture

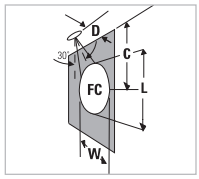
Evolution halogen MR16 lensed adjustable accent

30° Aiming angle

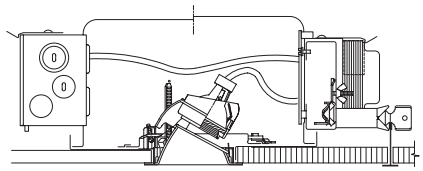
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C3MRW CLW trim with **C3LV** frame-in kit shown above. **Ceiling cutout:** 3 1/2"

How to specify

Trim kit	Frame-in kit
C3MRW CLW	C3LV

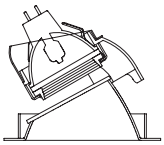
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

Reflector finish	White flange	Polished flange	Flangeless*
Clear	CLW	CLP	CLFT
Comfort clear diffuse	CCDW	CCDP	CCDFT
Champagne bronze	CCZW	CCZP	CCZFT
Gold	GDW	GDP	GDFT
White	WHW	N/A	WHFT
Black	BKW	BKP	BKFT

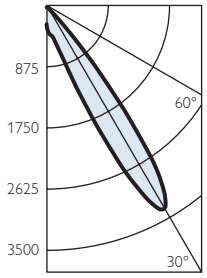
* Flangeless installations require **CA3FMR** flangeless trim ring accessory.

3" Aperture 50W MR16, 15° SP

Reflector trim: C3MRW CLW



Report no.: 2784FR
Lamp: 50W MR16
15° Spot
Max tilt: 45°
Initial lumens: 750
Luminare beam: 15°



30° Aiming angle - Horizontal surface

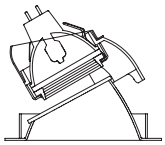
D	C	FC	L	W
6'	3.5'	61	2.1'	1.8'
8'	4.6'	34	2.8'	2.4'
10'	5.8'	22	3.5'	3.0'
12'	6.9'	15	4.2'	3.6'
15'	8.7'	10	5.3'	4.6'

30° Aiming angle - Vertical surface

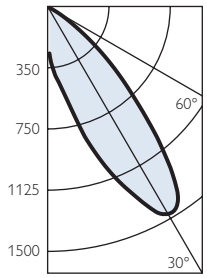
D	C	FC	L	W
2'	3.5'	135	2.2'	1.1'
3'	5.2'	61	3.3'	1.6'
4'	6.9'	34	4.4'	2.1'
6'	10.4'	15	6.7'	3.2'
8'	13.9'	9	8.9'	4.2'

3" Aperture 50W MR16, 25° NFL

Reflector trim: C3MRW CLW



Report no.:2785FR
Lamp: 50W MR16
25° NFL
Max tilt: 45°
Initial lumens: 800
Luminare beam: 30°



30° Aiming angle - Horizontal surface

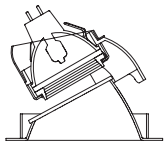
D	C	FC	L	W
6'	3.5'	27	4.4'	3.7'
8'	4.6'	15	5.9'	5.0'
10'	5.8'	10	7.3'	6.2'
12'	6.9'	7	8.8'	7.4'
15'	8.7'	4	11.0'	9.3'

30° Aiming angle - Vertical surface

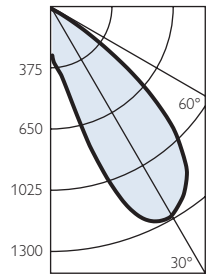
D	C	FC	L	W
2'	3.5'	75	5.5'	2.1'
3'	5.2'	33	8.2'	3.2'
4'	6.9'	19	10.9'	4.3'
6'	10.4'	8	16.4'	6.4'
8'	13.9'	5	21.9'	8.6'

3" Aperture 50W MR16, 40° FL

Reflector trim: C3MRW CLW



Report no.:2786FR
Lamp: 50W MR16
40° FL
Max tilt: 45°
Initial lumens: 800
Luminare beam: 36°



30° Aiming angle - Horizontal surface

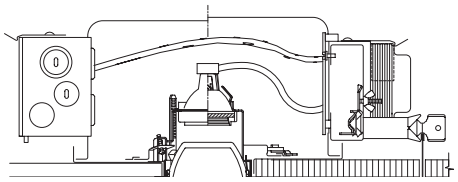
D	C	FC	L	W
6'	3.5'	26	5.4'	4.5'
8'	4.6'	15	7.2'	6.0'
10'	5.8'	9	9.0'	7.5'
12'	6.9'	7	10.8'	9.0'
15'	8.7'	4	13.5'	11.3'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	89	7.6'	2.6'
3'	5.2'	39	11.4'	3.9'
4'	6.9'	22	15.2'	5.2'
6'	10.4'	10	22.8'	7.8'
8'	13.9'	6	30.4'	10.4'

3" aperture

Evolution halogen MR16 Glasslite downlight



C3MRGD trim with **C3LV**
frame-in kit shown above. **Ceiling cutout:** 3 1/2"

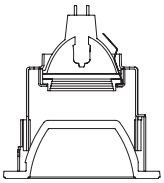
How to specify

Trim kit	Frame-in kit
C3MRGD	C3LV

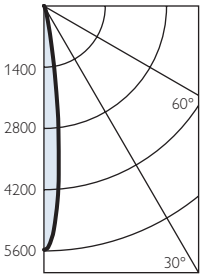
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

3" Aperture 50W MR16, 15° SP

Reflector trim: C3MRGD



Report no.: 2724FR
Lamp: 50W MR16 IR 15° Spot
Initial lumens: 750
Efficiency: 69.7%
Spacing: 0.2



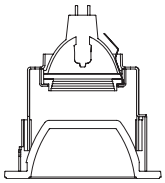
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
8'	83	1'
10'	56	2'
12'	37	3'
14'	29	4'

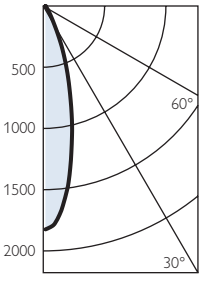
Beam diameter defined as point at which foot-candles drop to 50% of maximum

3" Aperture 50W MR16, 25° NFL

Reflector trim: C3MRGD



Report no.: 2723FR
Lamp: 50W MR16 IR 25° Narrow Flood
Initial lumens: 800
Efficiency: 65.1%
Spacing: 0.5



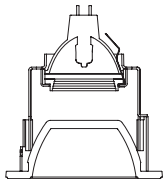
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	107	1'
6'	50	2'
8'	28	3'
10''	18	4'

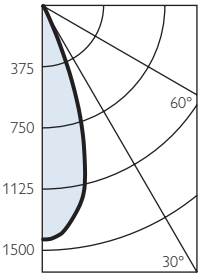
Beam diameter defined as point at which foot-candles drop to 50% of maximum

3" Aperture 50W MR16, 40° FL

Reflector trim: C3MRGD



Report no.: 2722FR
Lamp: 50W MR16 IR 40° Flood
Initial lumens: 800
Efficiency: 68.0%
Spacing: 0.6



Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	63	3'
6'	30	4'
8'	18	5'
10'	11	6'

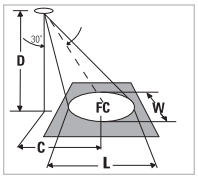
Beam diameter defined as point at which foot-candles drop to 50% of maximum

3" aperture

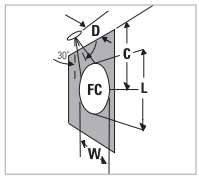
Evolution halogen MR16 Glasslite adjustable accent

30° Aiming angle

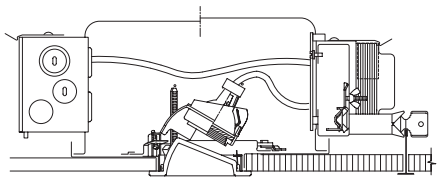
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C3MRGA trim with **C3LV** frame-in kit shown above. **Ceiling cutout:** 3 1/2"

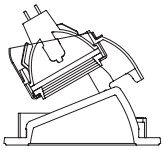
How to specify

Trim kit	Frame-in kit
C3MRGA	C3LV

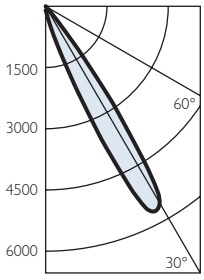
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C3LV	Non-IC	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	12 11/16"	5"
C3LVE1	Non-IC	Electronic	120V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3LVE2	Non-IC	Electronic	277V	MR16	65W Max.	14 1/4"	12 11/16"	5"
C3ALV	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-65W	14 3/8"	9 9/16	5"
C3ALVE1	Non-IC AirSeal	Electronic	120V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3ALVE2	Non-IC AirSeal	Electronic	277V	MR16	65W Max.	14 3/8"	9 9/16"	5"
C3AICLV	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C3AICLVE1	IC AirSeal	Electronic	120V	MR16	50W Max.	22 3/8"	10 1/8"	9"

3" Aperture 50W MR16, 15° SP

Reflector trim: C3MRGA



Report no.: 2711FR
Lamp: 50W MR16
15° Spot
Max tilt: 45°
Initial lumens: 750
Luminare beam: 13°



30° Aiming angle - Horizontal surface

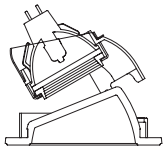
D	C	FC	L	W
6'	3.5'	107	1.8'	1.6'
8'	4.6'	61	2.4'	2.1'
10'	5.8'	39	3.1'	2.6'
12'	6.9'	27	3.7'	3.2'
15'	8.7'	18	4.6'	3.9'

30° Aiming angle - Vertical surface

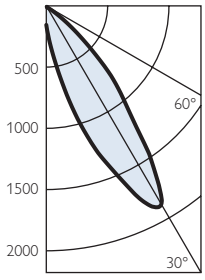
D	C	FC	L	W
2'	3.5'	235	1.9'	0.9'
3'	5.2'	106	2.8'	1.4'
4'	6.9'	60	3.8'	1.8'
6'	10.4'	27	5.7'	2.7'
8'	13.9'	15	7.6'	3.6'

3" Aperture 50W MR16, 25° NFL

Reflector trim: C3MRGA



Report no.: 2707FR
Lamp: 50W MR16
25° Narrow Flood
Max tilt: 45°
Initial Lumens:800
Luminare beam:25°



30° Aiming angle - Horizontal surface

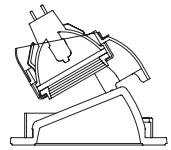
D	C	FC	L	W
6'	3.5'	35	3.6'	3.1'
8'	4.6'	20	4.8'	4.1'
10'	5.8'	13	6.0'	5.1'
12'	6.9'	9	7.2'	6.1'
15'	8.7'	6	9.0'	7.7'

30° Aiming angle - Vertical surface

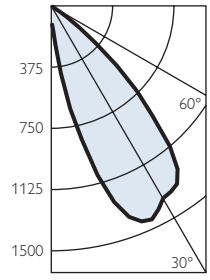
D	C	FC	L	W
2'	3.5'	75	4.2'	1.8'
3'	5.2'	33	6.2'	2.7'
4'	6.9'	19	8.3'	3.5'
6'	10.4'	8	12.5'	5.3'
8'	13.9'	5	16.6'	7.1'

3" Aperture 50W MR16, 40° FL

Reflector trim: C3MRGA



Report no.: 2710FR
Lamp: 50W MR16
40° Flood
Max tilt: 45°
Initial Lumens:800
Luminare beam: 34°



30° Aiming angle - Horizontal surface

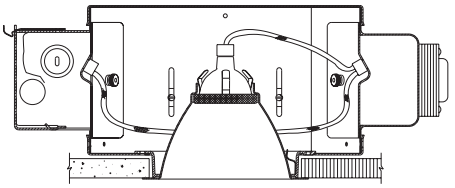
D	C	FC	L	W
6'	3.5'	31	5.0'	4.2'
8'	4.6'	18	6.7'	5.6'
10'	5.8'	11	8.4'	7.1'
12'	6.9'	8	10.1'	8.5'
15'	8.7'	5	12.6'	10.6'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	79	6.8'	2.4'
3'	5.2'	36	10.2'	3.7'
4'	6.9'	20	13.6'	4.9'
6'	10.4'	9	20.4'	7.3'
8'	13.9'	5	27.2'	9.8'

4 ½" aperture

Evolution halogen MR16 downlight



C4MRD CLW trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

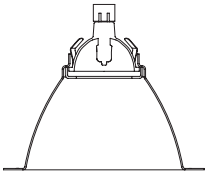
Trim kit	Frame-in kit
C4MRD CLW	C4LVMU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

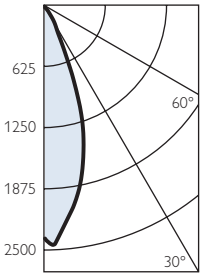
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

4 ½" Aperture 73W MR16, 36° FL

Reflector trim: C4MRD CLW



Report no.: 0881FR
Lamp: 73W MR16 36° Flood
Initial lumens: 1320
Efficiency: 74.4
%**Spacing**: 0.6



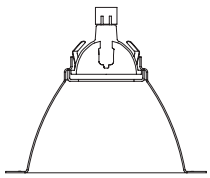
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	154	3'
6'	64	4'
8'	39	5'
10'	25	6'

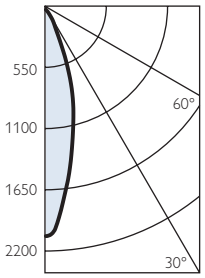
Beam diameter defined as point at which foot-candles drop to 50% of maximum

4 ½" Aperture 50W MR16, 40° FL

Reflector trim: C4MRD CLW



Report no.: 0931FR
Lamp: 50W MR16 40° Flood
Initial lumens: 800
Efficiency: 84.3%
Spacing: 0.5



Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	127	3'
6'	57	4'
8'	32	5'
10'	21	6'

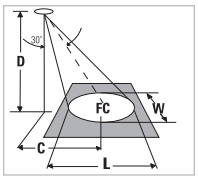
Beam diameter defined as point at which foot-candles drop to 50% of maximum

4 ½" aperture

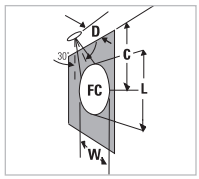
Evolution halogen MR16 adjustable accent

30° Aiming angle

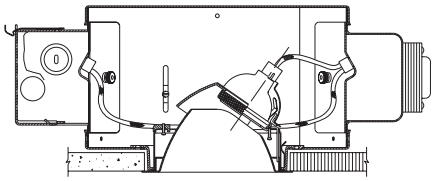
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C4MRA CLW trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

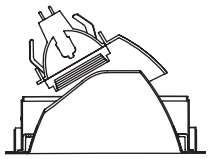
Trim kit	Frame-in kit
C4MRA CLW	C4LVMU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

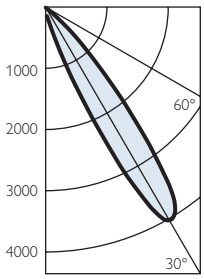
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

4 ½" Aperture 50W MR16, 15° NSP

Reflector trim: C4MRA CLW



Report no.: 2742FR
Lamp: 50W MR16 15° Narrow spot flood
Max tilt: 45° (35° with Remodeler)
Initial lumens: 750
Luminare beam: 17°



30° Aiming angle - Horizontal surface

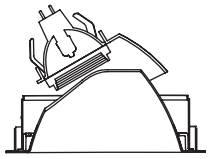
D	C	FC	L	W
6'	3.5'	73	2.4'	2.1'
8'	4.6'	41	3.2'	2.8'
10'	5.8'	26	4.0'	3.5'
12'	6.9'	18	4.8'	4.1'
15'	8.7'	12	6.0'	5.2'

30° Aiming angle - Vertical surface

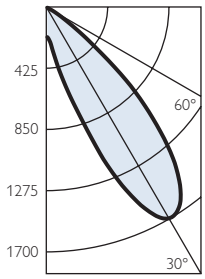
D	C	FC	L	W
2'	3.5'	171	2.6'	1.2'
3'	5.2'	78	3.8'	1.8'
4'	6.9'	44	5.1'	2.4'
6'	10.4'	20	7.7'	3.6'
8'	13.9'	11	10.3'	4.8

4 ½" Aperture 50W MR16, 25° NFL

Reflector trim: C4MRA CLW



Report no.: 2749FR
Lamp: 50W MR16 25° Narrow Flood
Max tilt: 45° (35° with Remodeler)
Initial lumens: 800
Luminare beam: 29°



30° Aiming angle - Horizontal surface

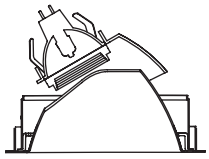
D	C	FC	L	W
6'	3.5'	32	4.2'	3.6'
8'	4.6'	18	5.6'	4.8'
10'	5.8'	11	7.1'	6.0'
12'	6.9'	8	8.5'	7.2'
15'	8.7'	5	10.6'	9.0'

30° Aiming angle - Vertical surface

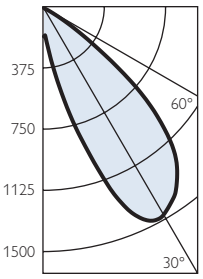
D	C	FC	L	W
2'	3.5'	100	5.2'	2.1'
3'	5.2'	44	7.8'	3.1'
4'	6.9'	25	10.4'	4.1'
6'	10.4'	11	15.5'	6.2'
8'	13.9'	6	20.7'	8.3'

4 ½" Aperture 50W MR16, 40° FL

Reflector trim: C4MRA CLW



Report no.: 2750FR
Lamp: 50W MR16 40° Flood
Max tilt: 45° (35° with Remodeler)
Initial lumens: 800
Luminare beam: 35°



30° Aiming angle - Horizontal surface

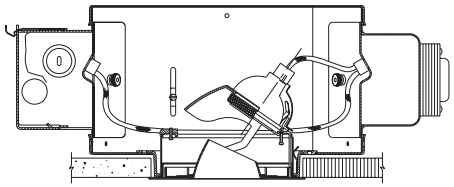
D	C	FC	L	W
6'	3.5'	30	5.2'	4.4'
8'	4.6'	17	7.0'	5.8'
10'	5.8'	11	8.7'	7.3'
12'	6.9'	7	10.4'	8.7'
15'	8.7'	4	13.0'	10.9'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	100	7.2'	2.5'
3'	5.2'	45	10.8'	3.8'
4'	6.9'	25	14.4'	5.0'
6'	10.4'	11	21.6'	7.6'
8'	13.9'	6	28.8'	10.1'

4 ½" aperture

Evolution halogen MR16 2" pinhole adjustable accent



C4MR2 CLW trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4MR2 CLW	C4LVMU

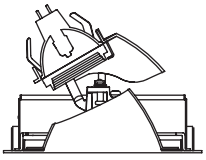
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

*37W Max for C4MRP

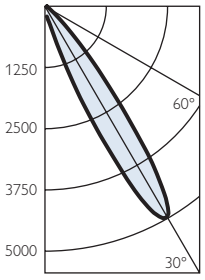
2" Reflector finish	White Flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

2" Aperture 50W MR16 IR 10° SP

Reflector trim: C4MR2 CLW



Report no.: 2756FR
Lamp: 50W MR16 10° Spot
Max tilt: 45° (35° with Remodeler)
Initial lumens: 1125
Luminare beam: 16°



30° Aiming angle - Horizontal surface

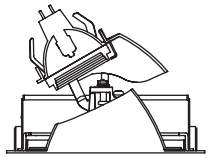
D	C	FC	L	W
6'	3.5'	89	2.3'	1.9'
8'	4.6'	50	3.0'	2.6'
10'	5.8'	32	3.8'	3.2'
12'	6.9'	22	4.5'	3.9'
15'	8.7'	14	5.7'	4.9'

30° Aiming angle - Vertical surface

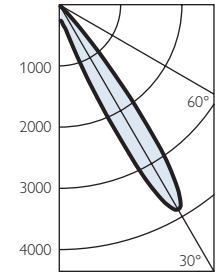
D	C	FC	L	W
2'	3.5'	185	2.4'	1.1'
3'	5.2'	84	3.6'	1.7'
4'	6.9'	48	4.8'	2.2'
6'	10.4'	22	7.2'	3.4'
8'	13.9'	12	9.6'	4.5

2" Aperture 50W MR16 IR 15° SP

Reflector trim: C4MR2 CLW



Report no.: 2743FR
Lamp: 50W MR16 15° Spot
Max tilt: 45° (35° with Remodeler)
Initial lumens: 750
Luminare beam: 14°



30° Aiming angle - Horizontal surface

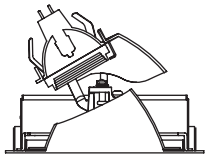
D	C	FC	L	W
6'	3.5'	70	2.0'	1.7'
8'	4.6'	39	2.6'	2.3'
10'	5.8'	25	3.3'	2.8'
12'	6.9'	17	3.9'	3.4'
15'	8.7'	11	4.9'	4.3'

30° Aiming angle - Vertical surface

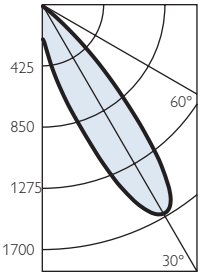
D	C	FC	L	W
2'	3.5'	121	2.1'	1.0'
3'	5.2'	54	3.1'	1.5'
4'	6.9'	30	4.1'	2.0'
6'	10.4'	13	6.2'	2.9'
8'	13.9'	8	8.2'	3.9'

2" Aperture 50W MR16, 25° NFL

Reflector trim: C4MR2 CLW



Report no.: 2748FR
Lamp: 50W MR16 25° Narrow Flood
Max tilt: 45° (35° with Remodeler)
Initial lumens: 800
Luminare beam: 25°



30° Aiming angle - Horizontal surface

D	C	FC	L	W
6'	3.5'	31	3.6'	3.1'
8'	4.6'	18	4.8'	4.1'
10'	5.8'	11	6.0'	5.1'
12'	6.9'	8	7.2'	6.1'
15'	8.7'	5	9.0'	7.7"

30° Aiming angle - Vertical surface

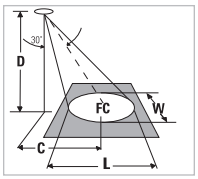
D	C	FC	L	W
2'	3.5'	79	4.2'	1.8'
3'	5.2'	36	6.2'	2.7'
4'	6.9'	20	8.3'	3.5'
6'	10.4'	9	12.5'	5.3'
8'	13.9'	5	16.6'	7.1'

4 ½" aperture

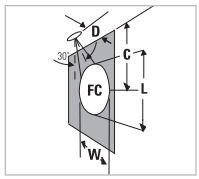
Evolution halogen MR16 adjustable accent

30° Aiming angle

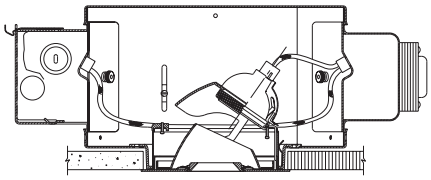
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C4MRP BK trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4MRP BK	C4LVMU

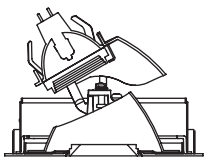
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

*37W Max for C4MRP

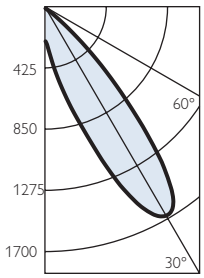
1 ¼" Aperture Finish	White Flange
White	WH
Black	BK

1 ¼" pinhole 37W MR16 IR 10° SP

Reflector trim: C4MRP BK



Report no.: 2758FR
Lamp: 37W MR16
10° Spot
Max tilt: 45°
(35° with Remodeler)
Initial lumens: 840
Luminare beam: 18°



30° Aiming angle - Horizontal surface

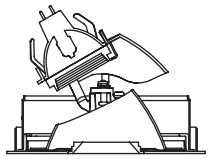
D	C	FC	L	W
6'	3.5'	42	2.6'	2.2'
8'	4.6'	24	3.4'	2.9'
10'	5.8'	15	4.3'	3.7'
12'	6.9'	10	5.1'	4.4'
15'	8.7'	7	6.4'	5.5''

30° Aiming angle - Vertical surface

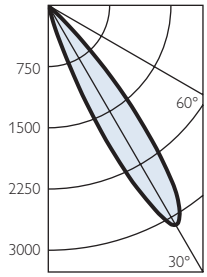
D	C	FC	L	W
2'	3.5'	98	2.7'	1.3'
3'	5.2'	45	4.1'	1.9'
4'	6.9'	25	5.5'	2.5'
6'	10.4'	11	8.2'	3.8'
8'	13.9'	6	11.0'	5.1'

1 ¼" pinhole 50W MR16 IR 10° SP

Reflector trim: C4MRP BK



Report no.: 2755FR
Lamp: 50W MR16
10° Spot
Max tilt: 45°
(35° with Remodeler)
Initial lumens: 1125
Luminare beam: 18°



30° Aiming angle - Horizontal surface

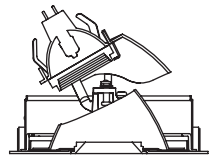
D	C	FC	L	W
6'	3.5'	56	2.6'	2.2'
8'	4.6'	32	3.4'	2.9'
10'	5.8'	20	4.3'	3.7'
12'	6.9'	14	5.1'	4.4'
15'	8.7'	9	6.4'	5.5'

30° Aiming angle - Vertical surface

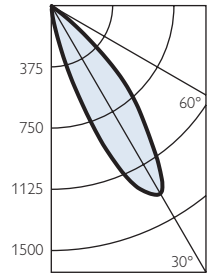
D	C	FC	L	W
2'	3.5'	131	2.7'	1.3'
3'	5.2'	60	4.1'	1.9'
4'	6.9'	34	5.5'	2.5'
6'	10.4'	15	8.2'	3.8'
8'	13.9'	9	11.0'	5.1'

1 ¼" pinhole 50W MR16, 25° NFL

Reflector trim: C4MRP BK



Report no.: 2747FR
Lamp: 50W MR16
25° Narrow Flood
Max tilt: 45°
(35° with Remodeler)
Initial lumens: 800
Luminare beam: 22°



30° Aiming angle - Horizontal surface

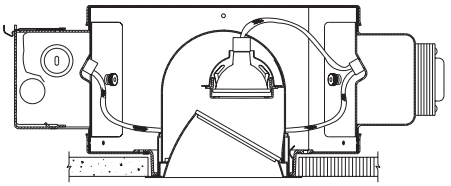
D	C	FC	L	W
6'	3.5'	25	3.1'	2.7'
8'	4.6'	14	4.2'	3.6'
10'	5.8'	9	5.2'	4.5'
12'	6.9'	6	6.3'	5.4'
15'	8.7'	4	7.9'	6.7'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	62	3.5'	1.6'
3'	5.2'	28	5.3'	2.3'
4'	6.9'	16	7.0'	3.1'
6'	10.4'	7	10.5'	4.7'
8'	13.9'	4	14.0'	6.2'

4 ½" aperture

Evolution halogen MR16 lensed wall washer



C4MRL CLW trim with **C4LV**
frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4MRL CLW	C4LVMU

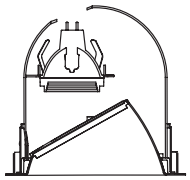
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

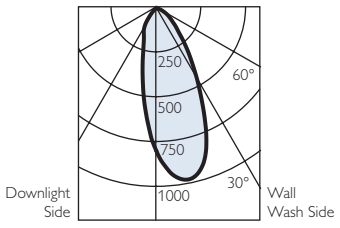
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

4 ½" Aperture 73W MR16, 36° FL

Reflector trim: C4MRL CLW

Report no.: 0825FR
Lamp: 73W MR16
36° Flood
Initial lumens: 1320





Multiple units Footcandles on wall

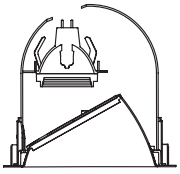
2' from Wall - 2' On Center (2' | 2')

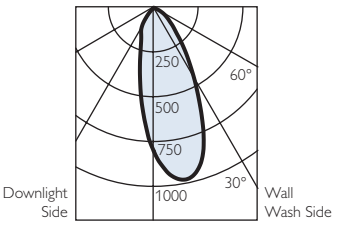
Distance from ceiling in feet				
1'	10	8	10
2'	21	18	21
3'	24	23	24
4'	23	22	23
5'	19	19	19
6'	15	15	15
7'	12	12	12
8'	10	10	10
9'	8	8	8

4 ½" Aperture 50W MR16, 36° FL

Reflector trim: C4MRL CLW

Report no.: 0825FR
Lamp: 50W MR16
36° Flood
Initial lumens: 960





Multiple units Footcandles on wall

2' from Wall - 2' On Center (2' | 2')

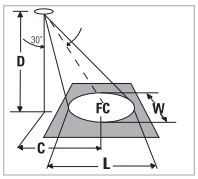
Distance from ceiling in feet			
1'	8	6	8
2'	15	13	15
3'	17	16	17
4'	16	16	16
5'	14	14	14
6'	11	11	11
7'	9	9	9
8'	7	7	7
9'	6	6	6

4 ½" aperture

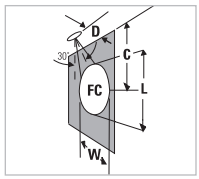
Evolution halogen MR16 adjustable accent

30° Aiming angle

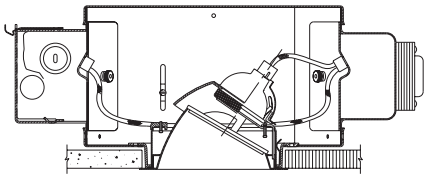
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C4MRW CLW trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

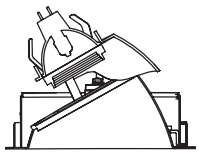
Trim kit	Frame-in kit
C4MRW CLW	C4LVMU

Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

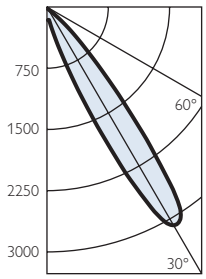
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

4 ½" Aperture 50W MR16, 15° NSP

Reflector trim: C4MRW CLW



Report no.: 2852FR
Lamp: 50W MR16
15° Narrow
spot flood
Max tilt: 45°
(35° with Remodeler)
Initial lumens: 750
Luminare beam: 16°



30° Aiming angle - Horizontal surface

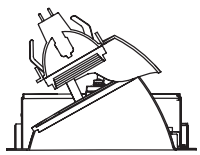
D	C	FC	L	W
6'	3.5'	55	2.3'	1.9'
8'	4.6'	31	3.0'	2.6'
10'	5.8'	20	3.8'	3.2'
12'	6.9'	14	4.5'	3.9'
15'	8.7'	9	5.7'	4.9''

30° Aiming angle - Vertical surface

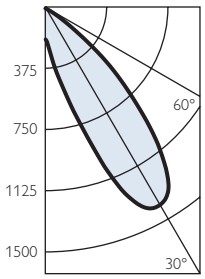
D	C	FC	L	W
2'	3.5'	130	2.4'	1.1'
3'	5.2'	60	3.6'	1.7'
4'	6.9'	34	4.8'	2.2'
6'	10.4'	15	7.2'	3.4'
8'	13.9'	8	9.6'	4.5'

4 ½" Aperture 50W MR16, 25° NFL

Reflector trim: C4MRW CLW



Report no.: 2853FR
Lamp: 50W MR16
25° Narrow flood
Max tilt: 45°
(35° with Remodeler)
Initial lumens: 800
Luminare beam: 29°



30° Aiming angle - Horizontal surface

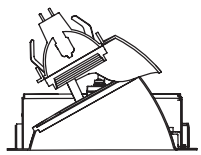
D	C	FC	L	W
6'	3.5'	27	4.2'	3.6'
8'	4.6'	15	5.6'	4.8'
10'	5.8'	10	7.1'	6.0'
12'	6.9'	7	8.5'	7.2'
15'	8.7'	4	10.6'	9.0'

30° Aiming angle - Vertical surface

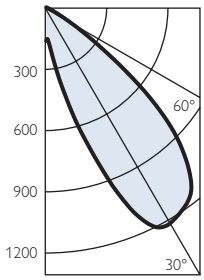
D	C	FC	L	W
2'	3.5'	76	5.2'	2.1'
3'	5.2'	34	7.8'	3.1'
4'	6.9'	19	10.4'	4.1'
6'	10.4'	8	15.5'	6.2'
8'	13.9'	5	20.7'	8.3'

4 ½" Aperture 50W MR16, 40° FL

Reflector trim: C4MRW CLW



Report no.: 2854FR
Lamp: 50W MR16
40° Flood
Max tilt: 45°
(35° with Remodeler)
Initial lumens: 800
Luminare beam: 35°



30° Aiming angle - Horizontal surface

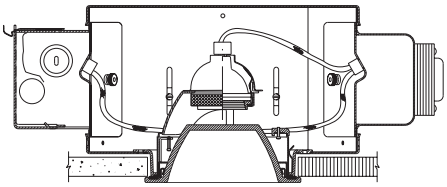
D	C	FC	L	W
6'	3.5'	24	5.2'	4.4'
8'	4.6'	14	7.0'	5.8'
10'	5.8'	9	8.7'	7.3'
12'	6.9'	6	10.4'	8.7'
15'	8.7'	4	13.0'	10.9'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	87	7.2'	2.5'
3'	5.2'	39	10.8'	3.8'
4'	6.9'	22	14.4'	5.0'
6'	10.4'	10	21.6'	7.6'
8'	13.9'	5	28.8'	10.1'

4 ½" aperture

Evolution halogen MR16 Glasslite downlight



C4MRGD trim with **C4LV**
frame-in kit shown above. **Ceiling cutout:** 5 1/16"

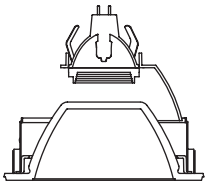
How to specify

Trim kit	Frame-in kit
C4MRGD	C4LVMU

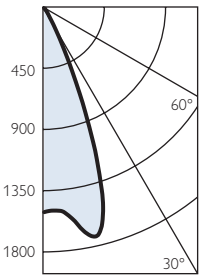
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

4 ½" Aperture 73W MR16, 36° FL

Reflector trim: C4MRGD



Report no.: 0884FR
Lamp: 73W MR16
36° Flood
Initial lumens: 1320
Efficiency: 65.9
%**Spacing**: 0.6



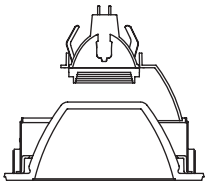
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	62
5'	40
6'	28

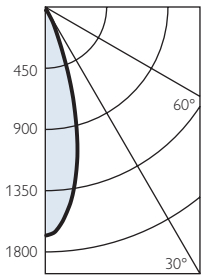
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" Aperture 37W MR16, 40° FL

Reflector trim: C4MRGD



Report no.: 0911FR
Lamp: 37W MR16
40° Flood
Initial lumens: 800
Efficiency: 65.9 %
Spacing: 0.5



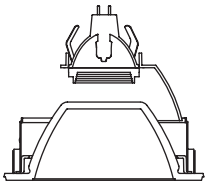
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	38
5'	24
6'	17

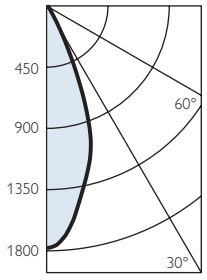
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" Aperture 65W MR16, 40° FL

Reflector trim: C4MRGD



Report no.: 0993FR
Lamp: 65W MR16
40° Flood
Initial lumens: 1100
Efficiency: 67.8 %
Spacing: 0.6



Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	53
5'	34
6'	24

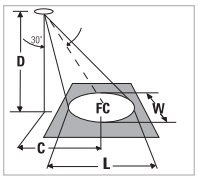
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" aperture

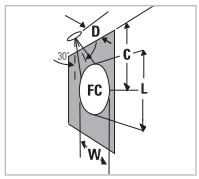
Evolution halogen MR16 Glasslite adjustable accent

30° Aiming angle

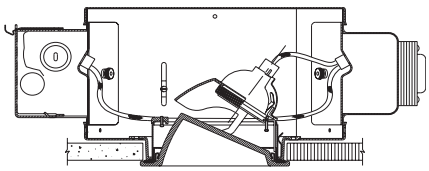
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C4MRGA CLW trim with **C4LV** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

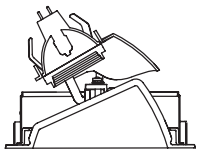
How to specify

Trim kit	Frame-in kit
C4MRGA	C4LVMU

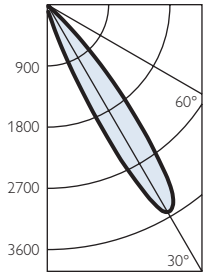
Frame-in kits	Type	Ballast	Input voltage	Lamp	Wattage	Length	Width	Height
C4LVMU	Non-IC	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	12"	5"
C4LVE1	Non-IC	Electronic	120V	MR16	42W-75W	14 1/4"	12"	5"
C4LVE1RM	Non-IC	Electronic	120V	MR16	50W Max.	11 5/8"	7"	5" 1/2"
C4LVE2	Non-IC AirSeal	Electronic	277V	MR16	42W-75W	14 3/8"	12"	5"
C4ALVMU	Non-IC AirSeal	Magnetic	120V/277V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4ALVE1	Non-IC AirSeal	Magnetic	120V	MR16	42W-75W	14 3/8"	9 5/8"	5"
C4AICLVM1	IC AirSeal	Magnetic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"
C4AICLVE1	IC AirSeal	Electronic	120V	MR16	20W-50W	22 3/8"	10 1/8"	9"

4 ½" Aperture 50W MR16, 15° SP

Reflector trim: C4MRGA



Report no.: 2745FR
Lamp: 50W MR16
15° Spot
Max tilt: 45°
(35° with remodeler)
Initial lumens: 750
Luminare beam: 16°



30° Aiming angle - Horizontal surface

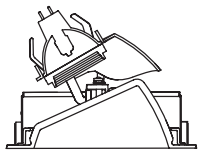
D	C	FC	L	W
6'	3.5'	63	2.3'	1.9'
8'	4.6'	36	3.0'	2.6'
10'	5.8'	23	3.8'	3.2'
12'	6.9'	16	4.5'	3.9'
15'	8.7'	10	5.7'	4.9'

30° Aiming angle - Vertical surface

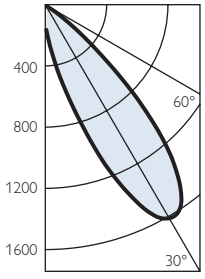
D	C	FC	L	W
2'	3.5'	151	2.4'	1.1'
3'	5.2'	68	3.6'	1.7'
4'	6.9	39	4.8'	2.2'
6'	10.4'	17	7.2'	3.4'
8'	13.9'	10	9.6'	4.5'

4 ½" Aperture 50W MR16, 25° NFL

Reflector trim: C4MRGA



Report no.: 2746FR
Lamp: 50W MR16
25° Narrow flood
Max tilt: 45°
(35° with remodeler)
Initial lumens: 800
Luminare beam: 28°



30° Aiming angle - Horizontal surface

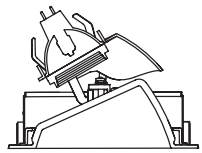
D	C	FC	L	W
6'	3.5'	30	4.1'	3.5'
8'	4.6'	17	5.4'	4.6'
10'	5.8'	11	6.8'	5.8'
12'	6.9'	7	8.1'	6.9'
15'	8.7'	5	10.2'	8.6'

30° Aiming angle - Vertical surface

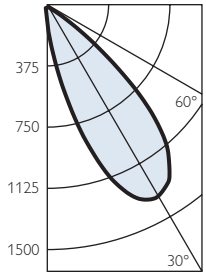
D	C	FC	L	W
2'	3.5'	89	4.9'	2.0'
3'	5.2'	40	7.4'	3.0'
4'	6.9'	23	9.8'	4.0'
6'	10.4'	10	14.7'	6.0'
8'	13.9'	6	19.6'	8.0'

4 ½" Aperture 50W MR16, 40° FL

Reflector trim: C4MRGA



Report no.: 2753FR
Lamp: 50W MR16
40° Flood
Max tilt: 45°
(35° with remodeler)
Initial lumens: 800
Luminare beam: 34°



30° Aiming angle - Horizontal surface

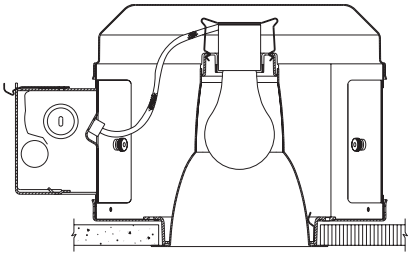
D	C	FC	L	W
6'	3.5'	27	5.0'	4.2'
8'	4.6'	15	6.7'	5.6'
10'	5.8'	10	8.4'	7.1'
12'	6.9'	7	10.1'	8.5'
15'	8.7'	4	12.6'	10.6'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	86	6.8'	2.4'
3'	5.2'	39	10.2'	3.7'
4'	6.9'	22	13.6'	4.9'
6'	10.4'	10	20.4'	7.3'
8'	13.9'	5	27.2'	9.8'

4 ½" aperture

Evolution incandescent downlight



C4AD CLW trim with **C4120**
frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4AD CLW	C4120

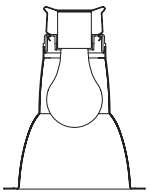
Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C4120	Non-IC	120V	A19, MB19, BT15	100W* Max. 12"	12"	9 1/2"	7"
C4A120	Non-IC AirSeal	120V	A19, MB19, BT15	100W* Max. 12"	12"	9 1/2"	7"
C4AIC	IC AirSeal	120V	A19, MB19, BT15	75W** Max. 19"	19"	10	9 1/4"
C4120RM	Non-IC Remodel	120V	A19, MB19, BT15	100W* Max. 11 3/4"	11 3/4"	5 3/4"	7 1/4"

Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

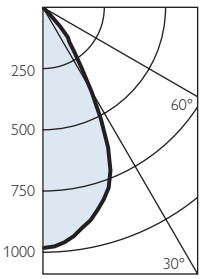
* MB19 75W Max with C4ACW and C4ADW
** MB19 and BT15 60W Max with C4ACW and C4ADW

4 ½" Aperture 100W A19

Reflector trim: C4AD CLW



Report no.: 0836FR
Lamp: 100W A19
Initial lumens: 1600
Efficiency: 50.8%
Spacing: 0.8



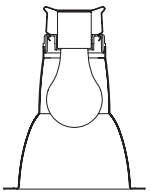
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	57
5'	36
6'	25
7'	19
8'	14

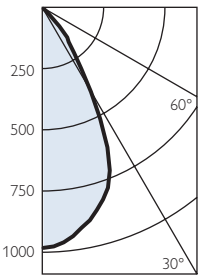
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" Aperture 75W A19

Reflector trim: C4AD CLW



Report no.: 0836FR
Lamp: 75W A19
Initial lumens: 1200
Efficiency: 50.8%
Spacing: 0.8



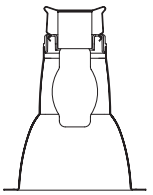
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	43
5'	27
6'	19
7'	14
8'	11

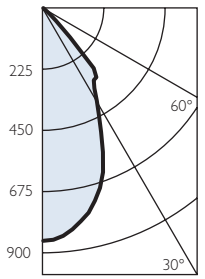
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" Aperture 100W BT15

Reflector trim: C4AD CLW



Report no.: 0837FR
Lamp: 100W BT15
Initial lumens: 1880
Efficiency: 43.3%
Spacing: 0.9



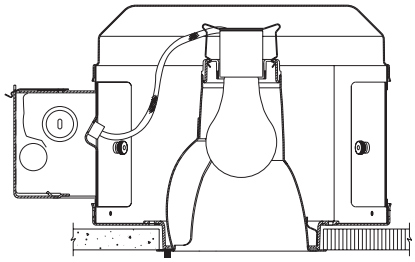
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	56
5'	36
6'	25
7'	18
8'	14

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" aperture

Evolution incandescent open wall washer



C4AW CLW trim with **C4120**
frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4P30D CLW	C4120

Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C4120	Non-IC	120V	A19, MB19, BT15	100W* Max. 12"	12"	9 1/2"	7"
C4A120	Non-IC AirSeal	120V	A19, MB19, BT15	100W* Max. 12"	12"	9 1/2"	7"
C4AIC	IC AirSeal	120V	A19, MB19, BT15	75W** Max. 19"	19"	10	9 1/4"
C4120RM	Non-IC Remodel	120V	A19, MB19, BT15	100W* Max. 11 3/4"	11 3/4"	5 3/4"	7 1/4"

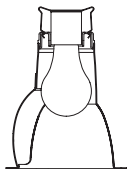
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

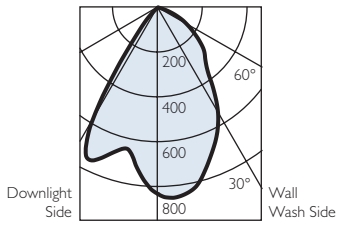
* MB19 75W Max with C4ACW and C4ADW
** MB19 and BT15 60W Max with C4ACW and C4ADW

4 ½" Aperture 100W A19

Reflector trim: C4AW CLW

Report no.: 0840FR
Lamp: 100W A19
Initial lumens: 1600
Efficiency: 56.0%





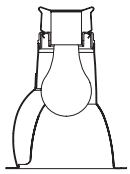
Multiple units Footcandles on wall

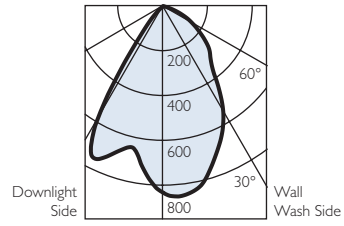
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	5	4	5
2'	15	14	15
3'	16	16	16
4'	14	14	14
5'	12	12	12
6'	11	11	11
7'	10	10	10
8'	8	8	8
9'	7	7	7

4 ½" Aperture 75W A19

Reflector trim: C4AW CLW

Report no.: 0840FR
Lamp: 75W A19
Initial lumens: 1200
Efficiency: 56.0%





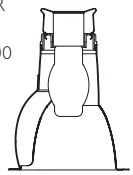
Multiple units Footcandles on wall

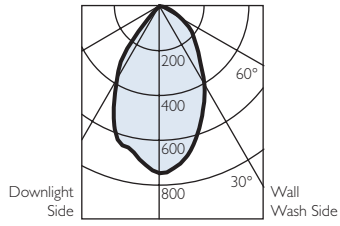
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	3	3	3
2'	11	10	11
3'	12	12	12
4'	10	10	10
5'	9	9	9
6'	8	8	8
7'	7	7	7
8'	6	6	6
9'	5	5	5

4 ½" Aperture 100W BT15

Reflector trim: C4AW CLW

Report no.: 0789FR
Lamp: 100W BT15
Initial lumens: 1800
Efficiency: 42.6%



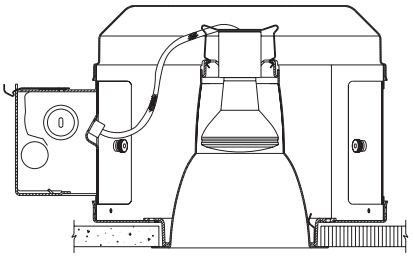


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	7	6	7
2'	13	12	13
3'	14	14	14
4'	13	14	13
5'	13	13	13
6'	11	11	11
7'	10	10	10
8'	9	9	9
9'	8	8	8

4 ½" aperture

Evolution PAR16/20 halogen downlight



C4P20D CLW trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4P20D CLW	C4120

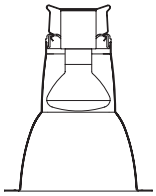
Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C4120	Non-IC	120V/277V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max	12"	9 1/2"	7"
C4A120	Non-IC AirSeal	120V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max	12"	9 1/2"	7"
C4AIC	IC AirSeal	120V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max	19"	10"	9 1/4"
C4120RM	Non-IC remodel	120V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max.	11 3/4"	5 3/4"	7 1/4"

Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

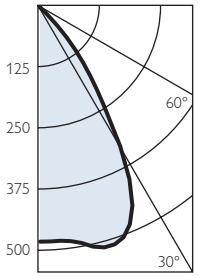
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

4 ½" Aperture 75W R20, FL

Reflector trim: C4P20D CLW



Report no.: 0839FR
Lamp: 75W R20
Initial lumens: 650
Efficiency: 84.7%
Spacing: 1.1



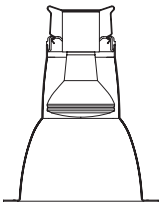
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	48
5'	30
6'	21

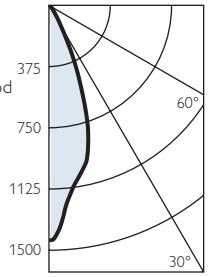
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" Aperture 50W PAR20, 30° NFL

Reflector trim: C4P20D CLW



Report no.: 0838FR
Lamp: 50W PAR20 30° Narrow Flood
Initial lumens: 530
Efficiency: 97.2%
Spacing: 0.6



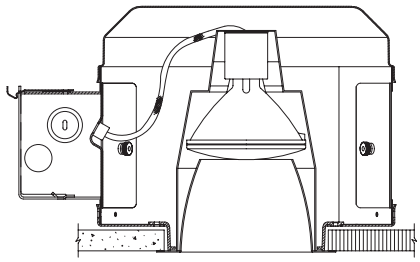
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	37
5'	24
6'	16

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" aperture

Evolution PAR16/20 halogen open wall washer



C4P30D CLW trim with **C4120** frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4P30D CLW	C4120

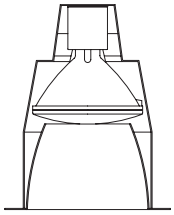
Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C4120	Non-IC	120V/277V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max	12"	9 1/2"	7"
C4A120	Non-IC AirSeal	120V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max	12"	9 1/2"	7"
C4AIC	IC AirSeal	120V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max	19"	10"	9 1/4"
C4120RM	Non-IC remodel	120V	PAR16, BR19, R20, PAR30 PAR20	75W Max. 50W Max.	11 3/4"	5 3/4"	7 1/4"

Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

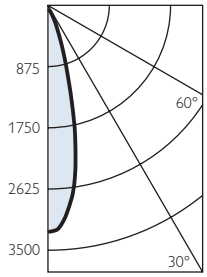
C4P20W trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30W** trims utilize PAR30 lamps.

4 ½" Aperture 75W PAR30, 40° FL

Reflector trim: C4P30D CLW



Report no.: 2001FR
Lamp: 75W PAR30 30° Flood
Initial lumens: 1030
Efficiency: 77.0%
Spacing: 0.4



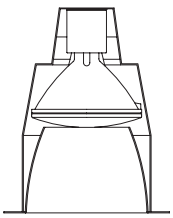
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	57
5'	36
6'	25

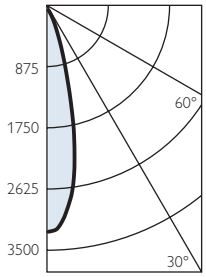
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" Aperture 50W PAR30, 40° FL

Reflector trim: C4P30D CLW



Report no.: 2001FR
Lamp: 50W PAR30 40° Flood
Initial lumens: 687
Efficiency: 77.0%
Spacing: 0.4



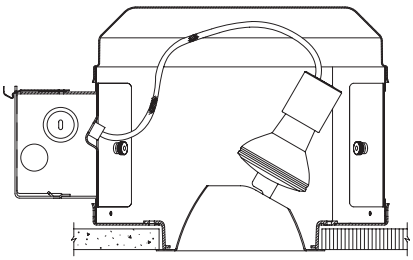
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	38
5'	24
6'	17

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

4 ½" aperture

Evolution PAR16/20 halogen adjustable accent



C4P120 CLW trim with **C4120**
frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4P20A CLW	C4120

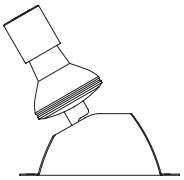
Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C4120	Non-IC	120V	PAR16	75W Max.	12"	9 1/2"	7"
			PAR20	50W Max			
C4A120	Non-IC AirSeal	120V	PAR16	75W Max.	12"	9 1/2"	7"
			PAR20	50W Max			
C4AIC	IC AirSeal	120V	PAR16	75W Max.	19"	10"	9 1/4"
			PAR20	60W Max			

Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

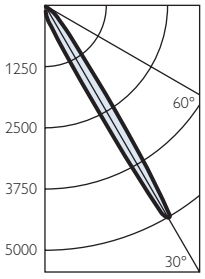
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

4 ½" Aperture 50W PAR20, 10° NSP

Reflector trim: C4P20A CLW



Report no.: 2760FR
Lamp: 50W PAR20
10° Narrow Spot
Max tilt: 35°
Initial lumens: 570
Luminare beam: 7°



30° Aiming angle - Horizontal surface

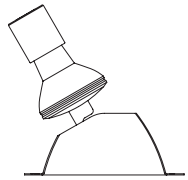
D	C	FC	L	W
6'	3.5'	90	1.1'	1.0'
8'	4.6'	51	1.5'	1.3'
10'	5.8'	32	1.9'	1.6'
12'	6.9'	23	2.2'	1.9'
15'	8.7'	14	2.8'	2.4'

30° Aiming angle - Vertical surface

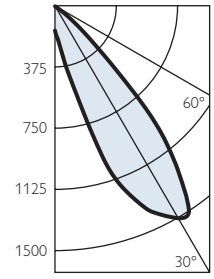
D	C	FC	L	W
2'	3.5'	156	1.1'	0.6'
3'	5.2'	69	1.7'	0.8'
4'	6.9'	39	2.3'	1.1'
6'	10.4'	17	3.4'	1.7'
8'	13.9'	10	4.5'	2.2

4 ½" Aperture 50W PAR20, 30° NFL

Reflector trim: C4P20A CLW



Report no.: 2683FR
Lamp: 50W PAR20
30° Narrow Flood
Max tilt: 35°
Initial lumens: 550
Luminare beam: 26°



30° Aiming angle - Horizontal surface

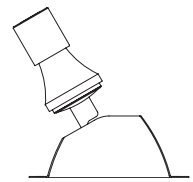
D	C	FC	L	W
6'	3.5'	29	3.8'	3.2'
8'	4.6'	16	5.0'	4.3'
10'	5.8'	10	6.3'	5.3'
12'	6.9'	7	7.5'	6.4'
15'	8.7'	5	9.4'	8.0'

30° Aiming angle - Vertical surface

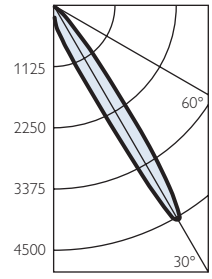
D	C	FC	L	W
2'	3.5'	74	4.4'	1.8'
3'	5.2'	34	6.6'	2.8'
4'	6.9'	19	8.8'	3.7'
6'	10.4'	8	13.2'	5.5'
8'	13.9'	5	17.6'	7.4

4 ½" Aperture 60W PAR16, 10° NSP

Reflector trim: C4P20A CLW



Report no.: 2762FR
Lamp: 60W PAR16
10° Narrow Spot
Max tilt: 35°
Initial lumens: 650
Luminare beam: 11°



30° Aiming angle - Horizontal surface

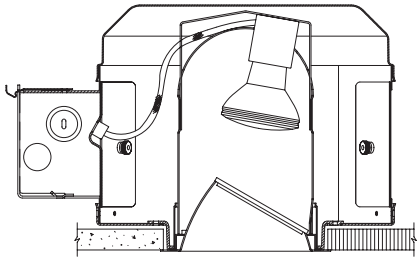
D	C	FC	L	W
6'	3.5'	82	1.5'	1.3'
8'	4.6'	46	2.1'	1.8'
10'	5.8'	30	2.6'	2.2'
12'	6.9'	21	3.1'	2.7'
15'	8.7'	13	3.9'	3.3'

30° Aiming angle - Vertical surface

D	C	FC	L	W
6'	3.5'	157	1.6'	0.8'
8'	4.6'	73	2.4'	1.2'
10'	5.8'	41	3.2'	1.5'
12'	6.9'	19	4.8'	2.3'
15'	8.7'	10	6.3'	3.1'

4 ½" aperture

Evolution PAR16/20 halogen lensed wall washer



C4P20L CLW trim with **C4P120**
frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

Trim kit	Frame-in kit
C4P20L CLW	C4120

Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C4120	Non-IC	120V	PAR16	75W Max.	12"	9 1/2"	7"
			PAR20	50W Max			
C4A120	Non-IC AirSeal	120V	PAR16	75W Max.	12"	9 1/2"	7"
			PAR20	50W Max			
C4AIC	IC AirSeal	120V	PAR16	75W Max.	19"	10"	9 1/4"
			PAR20	60W Max			

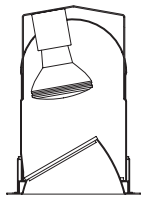
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

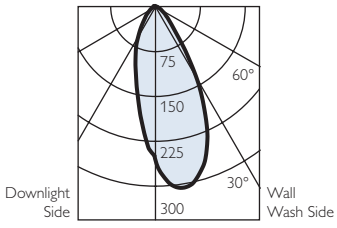
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

4 ½" Aperture 75W PAR16, 30° NFL

Reflector trim: C4P20L CLW

Report no.: 0852FR
Lamp: 75W PAR16
30° Narrow Flood
Initial lumens: 900





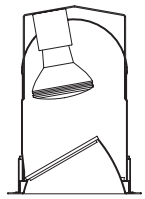
Multiple units Footcandles on wall

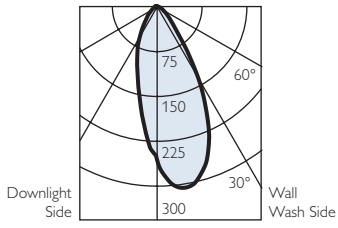
Distance from ceiling in feet	3' from wall - 3' on center		
	3'		
1'	4	4	4
2'	10	9	10
3'	12	11	12
4'	13	12	13
5'	11	11	11
6'	9	9	9
7'	7	7	7
8'	6	6	6
9'	5	5	5

4 ½" Aperture 50W PAR20, 30° NFL

Reflector trim: C4P20L CLW

Report no.: 0851FR
Lamp: 50W PAR20
30° Narrow Flood
Initial lumens: 530



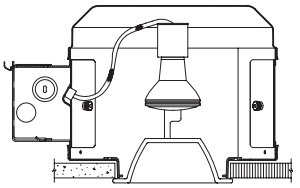


Multiple units Footcandles on wall

Distance from ceiling in feet	2' from Wall - 3' On Center		
	2'		
1'	2	2	2
2'	5	5	5
3'	7	6	7
4'	7	7	7
5'	6	6	6
6'	5	5	5
7'	4	4	4
8'	3	3	3
9'	3	3	3

4 ½" aperture

Evolution PAR16/20 halogen Glasslite downlight



C4P20GD trim with **C4120**
frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

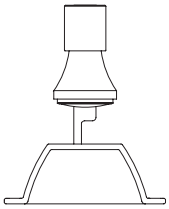
Trim kit	Frame-in kit
C4P20GD	C4120

Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width
C4120	Non-IC	120V	PAR16 PAR20	75W Max. 50W Max	12"	9 1/2"
C4A120	Non-IC AirSeal	120V	PAR16 PAR20	75W Max. 50W Max	12"	9 1/2"
C4AIC	IC AirSeal	120V	PAR16 PAR20	75W Max. 60W Max	19"	10"

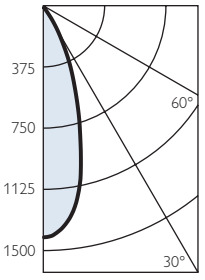
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

4 ½" Aperture 75W PAR16, 30°NFL

Reflector trim: C4MRD CLW



Report no.: 1567FR
Lamp: 75W PAR16
30° Narrow Flood
Initial lumens: 900
Efficiency: 70.3%
Spacing: 0.6



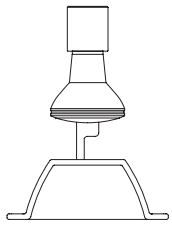
Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	89	3'
6'	40	4'
8'	22	5'
10'	14	6'

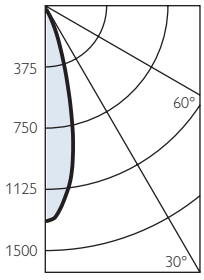
Beam diameter defined as point at which foot-candles drop to 50% of maximum

4 ½" Aperture 50W PAR20, 30°NFL

Reflector trim:C4P20GD



Report no.: 1568FR
Lamp: 50W PAR20 30°
Narrow Flood
Initial lumens: 530
Efficiency: 67.7%
Spacing: 0.4



Single unit

Height to lighted plane	Initial center beam foot-candles	Beam Diameter
4'	82	2'
6'	37	3'
8'	21	4'
10'	13	5'

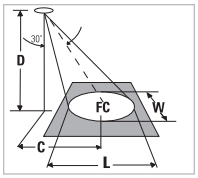
Beam diameter defined as point at which foot-candles drop to 50% of maximum

4 ½" aperture

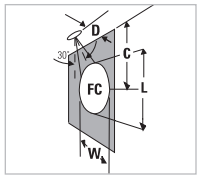
Evolution PAR16/20 halogen Glasslite adjustable accent

30° Aiming angle

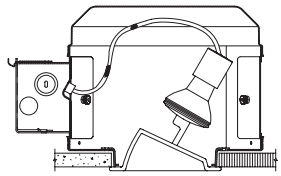
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C4P20GA trim with **C4120** frame-in kit shown above. frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

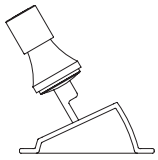
Trim kit	Frame-in kit
C4P20GA	C4120

Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width
C4120	Non-IC	120V	PAR16	75W Max.	12"	9 1/2"
			PAR20	50W Max		
C4A120	Non-IC AirSeal	120V	PAR16	75W Max.	12"	9 1/2"
			PAR20	50W Max		
C4AIC	IC AirSeal	120V	PAR16	75W Max.	19"	10"
			PAR20	60W Max		

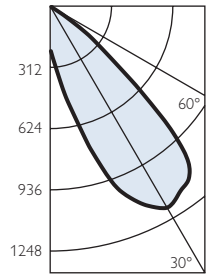
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

4 ½" Aperture 75W PAR16, 30° NFL

Reflector trim: C4P20GA



Report no.: 2835FR
Lamp: 75W PAR16
30° Narrow Flood
Max tilt: 35°
Initial lumens: 900
Luminare beam: 34°



30° Aiming angle - Horizontal surface

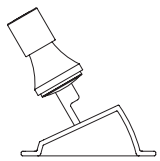
D	C	FC	L	W
6'	3.5'	23	5'	4.2'
8'	4.6'	13	6.7'	5.6'
10'	5.8'	8	8.4'	7.1'
12'	6.9'	6	10.1'	8.5'
15'	8.7'	4	12.6'	10.6'

30° Aiming angle - Vertical surface

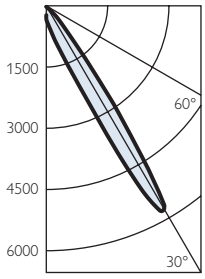
D	C	FC	L	W
2'	3.5'	82	6.8'	2.4'
3'	5.2'	36	10.2'	3.7'
4'	6.9'	21	13.6'	4.9'
6'	10.4'	9	20.4'	7.3'
8'	13.9'	5	27.2'	9.8'

4 ½" Aperture 75W PAR16, 10° NSP

Reflector trim: C4P20GA



Report no.: 2834FR
Lamp: 75W PAR16
10° Narrow Spot
Max tilt: 35°
Initial lumens: 900
Luminare beam: 10°



30° Aiming angle - Horizontal surface

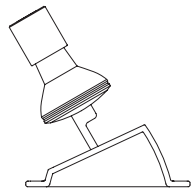
D	C	FC	L	W
6'	3.5'	97	1.4'	1.2'
8'	4.6'	55	1.9'	1.6'
10'	5.8'	36	2.3'	2'
12'	6.9'	25	2.8'	2.4'
15'	8.7'	16	3.5'	3'

30° Aiming angle - Vertical surface

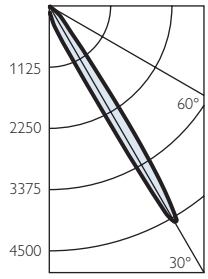
D	C	FC	L	W
2'	3.5'	186	1.4'	0.7'
3'	5.2'	86	2.1'	1'
4'	6.9'	49	2.9'	1.4'
6'	10.4'	22	4.3'	2.1'
8'	13.9'	12	5.7'	2.8'

4 ½" Aperture 50W MR20, 10° NSP

Reflector trim: C4P20GA



Report no.: 2820FR
Lamp: 50W MR20
40° Narrow Spot
Max tilt: 35°
Initial lumens: 570
Luminare beam: 8°



30° Aiming angle - Horizontal surface

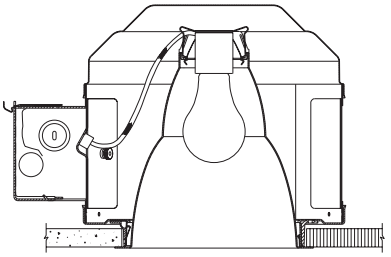
D	C	FC	L	W
6'	3.5'	27	5.0'	4.2'
8'	4.6'	15	6.7'	5.6'
10'	5.8'	10	8.4'	7.1'
12'	6.9'	7	10.1'	8.5'
15'	8.7'	4	12.6'	10.6'

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	140	1.1'	0.6'
3'	5.2'	66	1.7'	0.8'
4'	6.9'	37	2.3'	1.1'
6'	10.4'	17	3.4'	1.7'
8'	13.9'	10	4.5'	2.2'

6" aperture

Evolution incandescent downlight



C6AD trim with **C6120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

How to specify

Trim kit	Frame-in kit
C6AD CLW	C6120

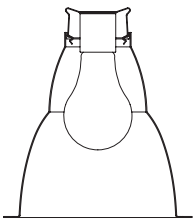
Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C6120	Non-IC	120V	A19, BT15, MB19	100W Max.	12"	9 1/2"	7"
C6A120	Non-IC AirSeal	120V	A19, BT15, MB19	100W Max.			
C6AIC	IC AirSeal	120V	A19, BT15, MB19	100W Max.	12"	9 1/2"	7"
C6D120	Non-IC Deep	120V	A21	200W* Max.			
C6DA120	Non-IC AirSeal Deep	120V	A21	200W* Max.	19"	10"	9 1/4"
C6DAIC	IC AirSeal Deep	120V	A21	200W* Max.			

Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

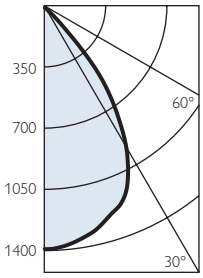
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

6" Aperture 150W A21

Reflector trim: C6AD CLW



Report no.: 0833FR
Lamp: 150W A21
Initial Lumens:2780
Efficiency: 56.4%
Spacing: 1.0



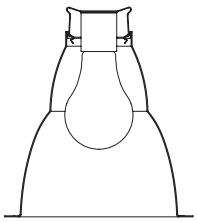
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	109
5'	70
6'	49
7'	36
8'	27

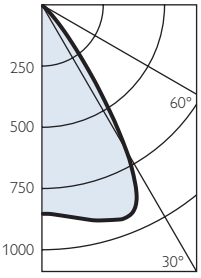
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

6" Aperture 100W A19

Reflector trim: C6AD CLW



Report no.: 0834FR
Lamp: 100W A19
Initial Lumens:1600
Efficiency: 64.3%
Spacing: 1.0



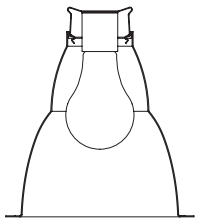
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	72
5'	46
6'	32
7'	24
8'	18

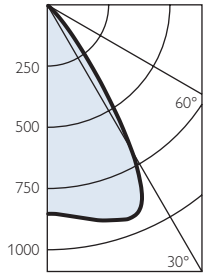
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

6" Aperture 75W A19

Reflector trim: C6AD CLW



Report no.: 0834FR
Lamp: 75W A19
Initial Lumens:1200
Efficiency: 64.3%
Spacing: 1.0



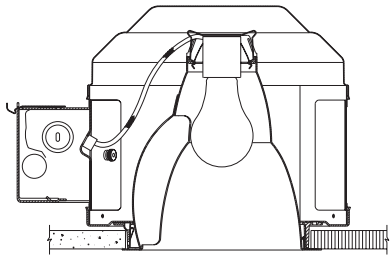
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	54
5'	35
6'	24
7'	18
8'	14

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

6" aperture

Evolution incandescent open wall washer



C6AW CLW trim with **C6P120**
frame-in kit shown above. **Ceiling cutout:** 6 11/16"

How to specify

Trim kit	Frame-in kit
C6AW CLW C6AW (single) C6ACW (corner) C6ADW (double)	C6120

Frame-in kits	Type	Input voltage	Lamp	Lamp wattage	Length	Width	Height
C6120	Non-IC	120V	A19, BT15, MB19	100W Max.	12"	9 1/2"	7"
C6A120	Non-IC AirSeal	120V	A19, BT15, MB19	100W Max.			
C6AIC	IC AirSeal	120V	A19, BT15, MB19	100W Max.	12"	9 1/2"	7"
C6D120	Non-IC Deep	120V	A21	200W* Max.			
C6DA120	Non-IC AirSeal	120V	A21	200W* Max.	19"	10"	9 1/4"
C6DAIC	Deep IC AirSeal Deep	120V	A21	200W* Max.			

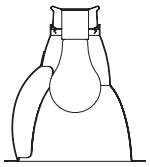
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A

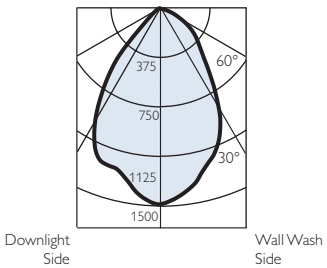
C4P20D trims utilize PAR16, PAR20, BR19 and R20 lamps. **C4P30D** trims utilize PAR30 lamps.

6" Aperture 150W A21

Reflector trim: C6AW CLW

Report no.: 0850FR
Lamp: 150W A21
Initial lumens: 2780





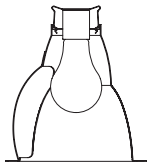
Multiple units Footcandles on wall

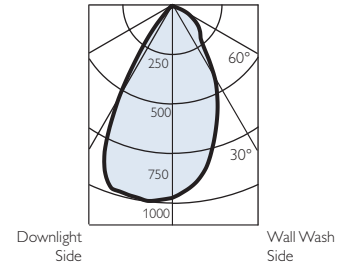
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	13	12	13
2'	25	23	25
3'	25	23	25
4'	22	22	22
5'	21	21	21
6'	19	19	19
7'	17	16	17
8'	14	14	14
9'	12	13	12

6" Aperture 100W A19

Reflector trim: C6AW CLW

Report no.: 0900FR
Lamp: 100W A19
Initial lumens: 1600





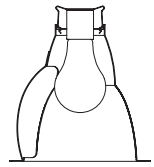
Multiple units Footcandles on wall

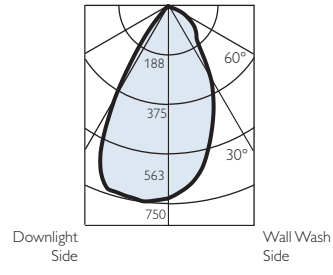
Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	6	5	6
2'	16	15	16
3'	16	15	16
4'	13	12	13
5'	12	12	12
6'	11	11	11
7'	10	9	10
8'	9	9	9
9'	8	8	8

6" Aperture 75W A19

Reflector trim: C6AW CLW

Report no.: 0900FR
Lamp: 75W A19
Initial lumens: 1200



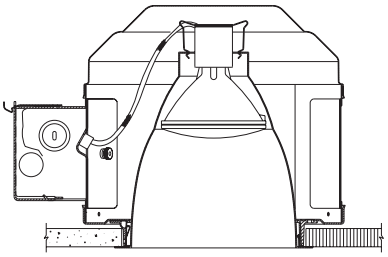


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	5	4	5
2'	12	11	12
3'	12	11	12
4'	10	9	10
5'	9	9	9
6'	8	8	8
7'	8	8	8
8'	7	7	7
9'	6	6	6

6" aperture

Evolution PAR30/38 halogen downlight



C6P30D CLW trim with **C6120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

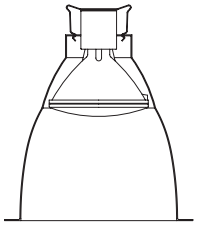
How to specify

Trim kit	Frame-in kit
C6P30D CLW	C6120

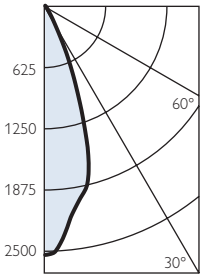
Frame-in kits	Type	Input voltage	Lamp	Wattage	Length	Width	Height	Reflector finish	White flange	Polished flange
C6120	Non-IC	120V	PAR 30	75W Max.	12 3/8"	12 1/2"	8"	Clear	CLW	CLP
C6A120	Non-IC AirSeal	120V	PAR 30	75W Max.	14 3/8"	9 1/2"	8"	Comfort clear diffuse	CCDW	CCDP
C6AIC	IC AirSeal	120V	PAR 30	75W Max.	19"	10"	9 1/4"	Champagne bronze	CCZW	CCZP
C6D120	Non-IC Deep	120V	PAR 38	250W Max.	15 3/8"	15 3/4"	10 3/8"	Gold	GDW	GDP
C6DA120	Non-IC AirSeal	120V	PAR 38	250WMax.	15 1/2"	12 1/4"	10 3/8"	White	WHW	N/A
C6DAIC	Deep IC AirSeal Deep	120V	PAR 38	120W Max.	22 3/8"	13 1/2"	11 ¼"			

6" Aperture 75W PAR30, 35° FL

Reflector trim: C6P30D CLW



Report no.: 0867FR
Lamp: 75W PAR30 35° Flood
Initial lumens: 1030
Efficiency: 94.7%
Spacing: 0.6



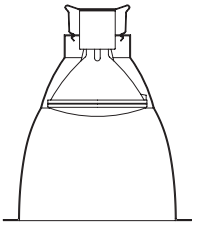
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	70
5'	44
6'	31

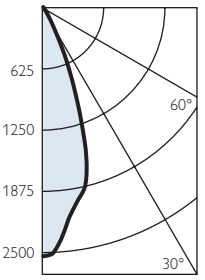
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

6" Aperture 50W PAR30, 35° FL

Reflector trim: C6P30D CLW



Report no.: 0867FR
Lamp: 50W PAR30 35° Flood
Initial lumens: 687
Efficiency: 94.7%
Spacing: 0.6



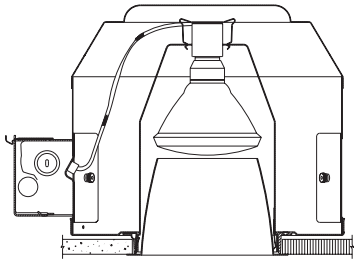
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	47
5'	29
6'	21

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

6" aperture

Evolution PAR30/38 halogen open wall washer



C6P38D CLW trim with **C6D120**
frame-in kit shown above. **Ceiling cutout:** 6 11/16"

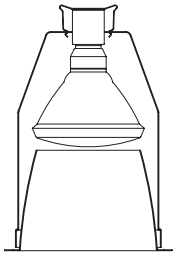
How to specify

Trim kit	Frame-in kit
C6P38D CLW	C6D120

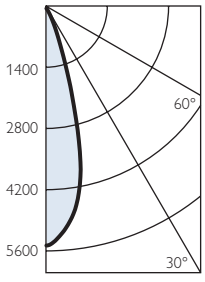
Frame-in kits	Type	Input voltage	Lamp	Wattage	Length	Width	Height	Reflector finish	White flange	Polished flange
C6120	Non-IC	120V	PAR 30	75W Max.	12 3/8"	12 1/2"	8"	Clear	CLW	CLP
C6A120	Non-IC AirSeal	120V	PAR 30	75W Max.	14 3/8"	9 1/2"	8"	Comfort clear diffuse	CCDW	CCDP
C6AIC	IC AirSeal	120V	PAR 30	75W Max.	19"	10"	9 1/4"	Champagne bronze	CCZW	CCZP
C6D120	Non-IC Deep	120V	PAR 38	250W Max.	15 3/8"	15 3/4"	10 3/8"	Gold	GDW	GDP
C6DA120	Non-IC AirSeal	120V	PAR 38	250WMax.	15 1/2"	12 1/4"	10 3/8"	White	WHW	N/A
C6DAIC	Deep IC AirSeal Deep	120V	PAR 38	120W Max.	22 3/8"	13 1/2"	11 ¼"			

6" Aperture 120W PAR38, 30° FL

Reflector trim: C6P38D CLW



Report no.: 0863FR
Lamp: 120W PAR38 30° Flood
Initial lumens: 1900
Efficiency: 80.4%
Spacing: 0.5



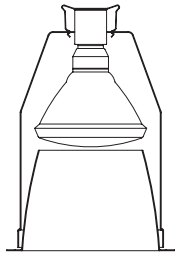
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	109
5'	70
6'	49

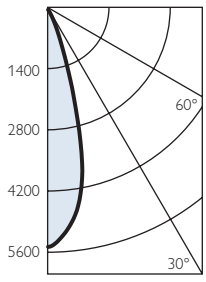
Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

6" Aperture 90W PAR38, 30° FL

Reflector trim: C6P38D CLW



Report no.: 0863FR
Lamp: 90W PAR38 30° Flood
Initial lumens: 1425
Efficiency: 80.4%
Spacing: 0.5



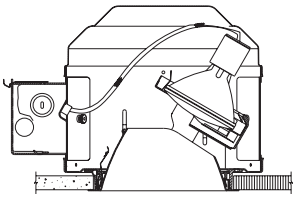
Multiple unit data – RCR 1

Spacing on center	Initial foot-candles
4'	82
5'	53
6'	37

Based on 75' x 75' x 10' room, workplane 2 1/2' above floor, 80/50/20% reflectances

6" aperture

Evolution PAR30/38 halogen adjustable accent



C6P30A CLW trim with **C6120**
frame-in kit shown above. **Ceiling cutout:** 6 11/16"

How to specify

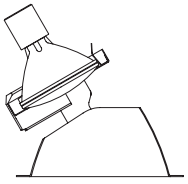
Trim kit	Frame-in kit
C6P30A CLW	C6120

Frame-in kits	Type	Input voltage	Lamp	Wattage	Length	Width	Height
C6120	Non-IC	120V	PAR 30	75W Max.	12 3/8"	12 1/2"	8"
C6A120	Non-IC AirSeal	120V	PAR 30	75W Max.	14 3/8"	9 1/2"	8"
C6AIC	IC AirSeal	120V	PAR 30	75W Max.	19"	10"	9 1/4"
C6D120	Non-IC Deep	120V	PAR 38	250W Max.	15 3/8"	15 3/4"	10 3/8"
C6DA120	Non-IC AirSeal Deep	120V	PAR 38	250WMax.	15 1/2"	12 1/4"	10 3/8"
C6DAIC	IC AirSeal Deep	120V	PAR 38	120W Max.	22 3/8"	13 1/2"	11 ¼"

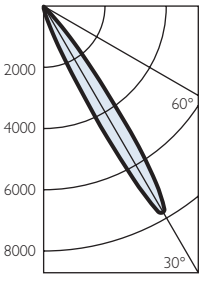
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

6" Aperture 50W PAR30, 11° SP

Reflector trim: C6P30A CLW



Report no.: 2788FR
Lamp: 50W PAR30
11° Spot
Max tilt: 35°
Initial lumens: 660
Luminare beam: 11°



30° Aiming angle - Horizontal surface

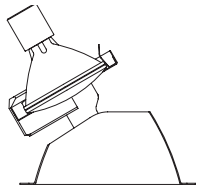
D	C	FC	L	W
6'	3.5'	128	1.5'	1.3'
8'	4.6'	74	2.1'	1.8'
10'	5.8'	48	2.9'	2.2'
12'	6.9'	33	2.1'	2.7'
15'	8.7'	21	3.9'	3.3'

30° Aiming angle - Vertical surface

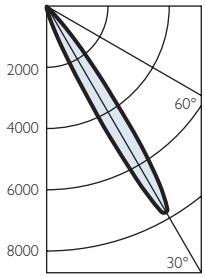
D	C	FC	L	W
2'	3.5'	255	1.6'	0.8'
3'	5.2'	123	2.4'	1.2'
4'	6.9'	71	3.2'	1.5'
6'	10.4'	32	4.8'	2.3'
8'	13.9'	18	6.3'	3.1'

6" Aperture 75W PAR30, 25° NFL

Reflector trim: C6P30A CLW



Report no.: 2766FR
Lamp: 75W PAR30
25° Narrow flood
Max tilt: 35°
Initial lumens: 1130
Luminare beam: 31°



30° Aiming angle - Horizontal surface

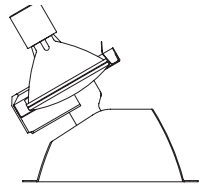
D	C	FC	L	W
6'	3.5'	38	4.6'	3.8'
8'	4.6'	22	6.1'	5.1'
10'	5.8'	14	7.6'	6.4'
12'	6.9'	10	9.1'	7.7'
15'	8.7'	6	11.4'	9.6'

30° Aiming angle - Vertical surface

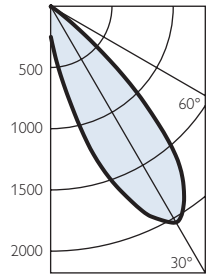
D	C	FC	L	W
2'	3.5'	109	5.8'	2.2'
3'	5.2'	50	8.7'	3.3'
4'	6.9'	28	11.5'	4.4'
6'	10.4'	13	17.3'	6.7'
8'	13.9'	7	23.1'	8.9'

6" Aperture 60W PAR30, 25° NFL

Reflector trim: C6P30A CLW



Report no.: 2766FR
Lamp: 60W PAR30
25° Narrow flood
Max tilt: 35°
Initial lumens: 860
Luminare beam: 31°



30° Aiming angle - Horizontal surface

D	C	FC	L	W
6'	3.5'	38	4.6'	3.8'
8'	4.6'	22	6.1'	5.1'
10'	5.8'	14	7.6'	6.4'
12'	6.9'	10	9.1'	7.7'
15'	8.7'	6	11.4'	9.6'

30° Aiming angle - Vertical surface

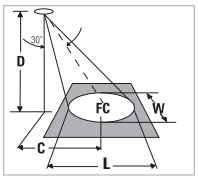
D	C	FC	L	W
2'	3.5'	109	5.8'	2.2'
3'	5.2'	50	8.7'	3.3'
4'	6.9'	28	11.5'	4.4'
6'	10.4'	13	17.3'	6.7'
8'	13.9'	7	23.1'	8.9'

6" aperture

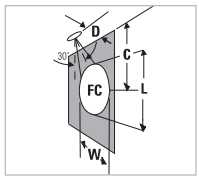
Evolution PAR30/38 halogen Glasslite adjustable accent

30° Aiming angle

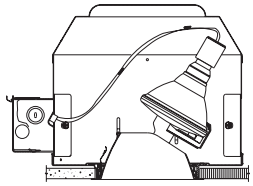
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C6P38A trim with **C6D120** frame-in kit shown above. frame-in kit shown above. **Ceiling cutout:** 5 1/16"

How to specify

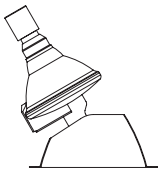
Trim kit	Frame-in kit
C4P38A	C6D120

Frame-in kits	Type	Input voltage	Lamp	Wattage	Length	Width	Height
C6120	Non-IC	120V	PAR 30	75W Max.	12 3/8"	12 1/2"	8"
C6A120	Non-IC AirSeal IC AirSeal	120V	PAR 30	75W Max.	14 3/8"	9 1/2"	8"
C6AIC	Non-IC Deep	120V	PAR 30	75W Max.	19"	10"	9 1/4"
C6D120	Non-IC AirSeal Deep	120V	PAR 38	250W Max.	15 3/8"	15 3/4"	10 3/8"
C6DA120		120V	PAR 38	250WMax.	15 1/2"	12 1/4"	10 3/8"
C6DAIC	IC AirSeal Deep	120V	PAR 38	120W Max.	22 3/8"	13 1/2"	11 ¼"

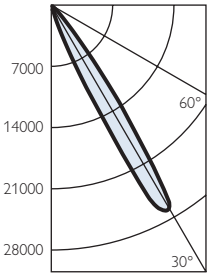
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

6" Aperture 100W PAR38 IR, 10° NSP

Reflector trim: C4P38A CLW



Report no.: 2790FR
Lamp: 100W PAR38 IR 10° Narrow spot flood
Max tilt: 40°
Initial lumens: 2030
Luminare beam: 11°



30° Aiming angle - Horizontal surface

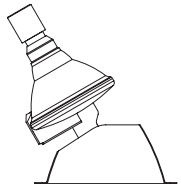
D	C	FC	L	W
6'	3.5'	466	1.5'	1.3'
8'	4.6'	268	2.1'	1.8'
10'	5.8'	173	2.6'	2.2'
12'	6.9'	121	3.1'	2.7'
15'	8.7'	78	3.9'	3.3"

Aiming angle - Vertical surface

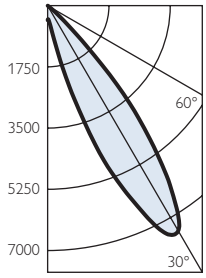
D	C	FC	L	W
2'	3.5'	814	1.6'	0.8'
3'	5.2'	393	2.4'	1.2'
4'	6.9'	227	3.2'	1.5'
6'	10.4'	103	4.8'	2.3'
8'	13.9'	58	6.3'	3.1"

6" Aperture 100W PAR38 IR, 25° FL

Reflector trim: C4P38A CLW



Report no.: 2789FR
Lamp: 100W PAR38 IR 25° Flood
Max tilt: 40°
Initial lumens: 2030
Luminare beam: 22°



30° Aiming angle - Horizontal surface

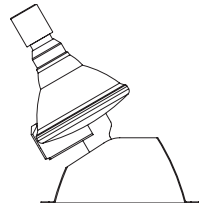
D	C	FC	L	W
6'	3.5'	139	3.1'	2.7'
8'	4.6'	79	4.2'	3.6'
10'	5.8'	51	5.2'	4.5'
12'	6.9'	35	6.3'	5.4'
15'	8.7'	23	7.9'	6.7'

30° Aiming angle - Vertical surface

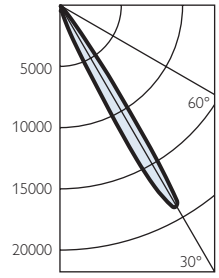
D	C	FC	L	W
2'	3.5'	293	3.5'	1.6'
3'	5.2'	135	5.3'	2.3'
4'	6.9'	77	7.0'	3.1'
6'	10.4'	34	10.5'	4.7'
8'	13.9'	19	14.0'	6.2

6" Aperture 90W PAR38, 9° NSP

Reflector trim: C4P38A CLW



Report no.: 2791FR
Lamp: 90W PAR38 IR 9° Narrow spot
Max tilt: 40°
Initial lumens: 1310
Luminare beam: 9°



30° Aiming angle - Horizontal surface

D	C	FC	L	W
6'	3.5'	307	1.3'	.1'
8'	4.6'	177	1.7'	1.5'
10'	5.8'	115	2.1'	1.8'
12'	6.9'	80	2.5'	2.2'
15'	8.7'	52	3.2'	2.7"

30° Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	520	1.3'	0.6'
3'	5.2'	256	1.9'	0.9'
4'	6.9'	149	2.6'	1.3'
6'	10.4'	68	3.8'	1.9'
8'	13.9'	38	5.1'	2.5

6" aperture

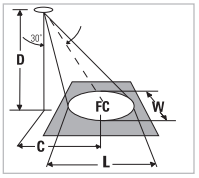
Evolution PAR30/38 halogen lensed wall washer

How to specify

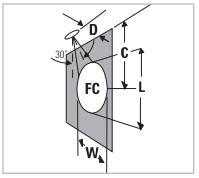
Trim kit	Frame-in kit
C6P30L CLW	C6120

30° Aiming angle

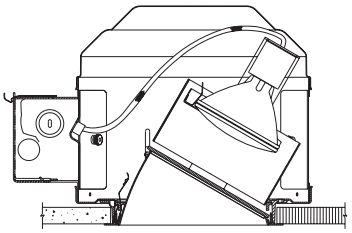
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.



C6P30L CLW trim with **C6120** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

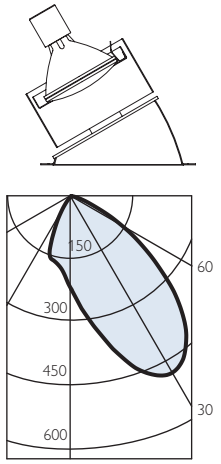
Frame-in kits	Type	Input voltage	Lamp	Wattage	Length	Width	Height
C6120	Non-IC	120V	PAR 30	75W Max.	12 3/8"	12 1/2"	8"
C6A120	Non-IC AirSeal	120V	PAR 30	75W Max.	14 3/8"	9 1/2"	8"
C6AIC	IC AirSeal	120V	PAR 30	75W Max.	19"	10"	9 1/4"
C6D120	Non-IC Deep	120V	PAR 38	120W Max.	15 3/8"	15 3/4"	10 3/8"
C6DA120	Non-IC AirSeal Deep	120V	PAR 38	120WMax.	15 1/2"	12 1/4"	10 3/8"
C6DAIC	IC AirSeal Deep	120V	PAR 38	90W Max.	22 3/8"	13 1/2"	11 ¼"

Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

6" Aperture 75W PAR30, 40° FL

Reflector trim: C6P30L CLW

Report no.: 0929FR
Lamp: 75W PAR30
40° Flood
Initial lumens: 1100



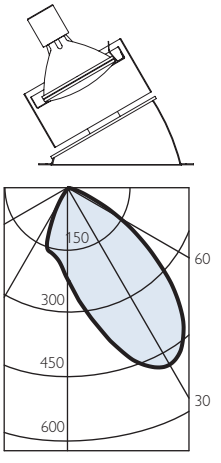
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	4	3	4
2'	10	8	10
3'	15	12	15
4'	17	14	17
5'	15	14	15
6'	12	12	12
7'	10	10	10
8'	8	8	8
9'	6	6	6

6" Aperture 50W PAR30, 40° FL

Reflector trim: C6P30L CLW

Report no.: 0929FR
Lamp: 50W PAR30
40° Flood
Initial lumens: 660

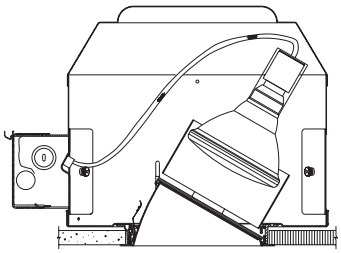


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall - 3' on center	3'	
1'	2	2	2
2'	6	5	6
3'	9	7	9
4'	10	8	10
5'	9	8	9
6'	7	7	7
7'	6	6	6
8'	5	5	5
9'	4	2	4

6" aperture

Evolution PAR30/38 halogen lensed wall washer



C6P38L CLW trim with **C6D120**
frame-in kit shown above. **Ceiling cutout:** 6 11/16"

How to specify

Trim kit	Frame-in kit
C6P38L CLW	C6D120

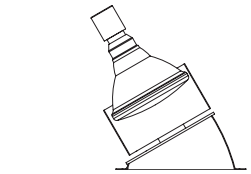
Frame-in kits	Type	Input voltage	Lamp	Wattage	Length	Width	Height
C6120	Non-IC	120V	PAR 30	75W Max.	12 3/8"	12 1/2"	8"
C6A120	Non-IC AirSeal	120V	PAR 30	75W Max.	14 3/8"	9 1/2"	8"
C6AIC	IC AirSeal	120V	PAR 30	75W Max.	19"	10"	9 1/4"
C6D120	Non-IC Deep	120V	PAR 38	120W Max.	15 3/8"	15 3/4"	10 3/8"
C6DA120	Non-IC AirSeal Deep	120V	PAR 38	120WMax.	15 1/2"	12 1/4"	10 3/8"
C6DAIC	IC AirSeal Deep	120V	PAR 38	90W Max.	22 3/8"	13 1/2"	11 ¼"

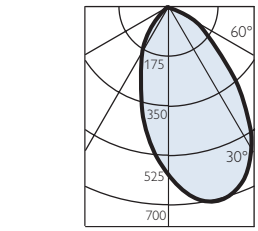
Reflector finish	White flange	Polished flange
Clear	CLW	CLP
Comfort clear diffuse	CCDW	CCDP
Champagne bronze	CCZW	CCZP
Gold	GDW	GDP
White	WHW	N/A
Black	BKW	BKP

6" Aperture 120W PAR38, 50° WFL

Reflector trim: C6P38L CLW

Report no.: 0927FR
Lamp: 120W PAR38
50° Wide Flood
Initial lumens: 1900





Downlight Side — Wall Wash Side

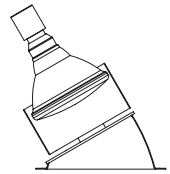
Multiple units Footcandles on wall

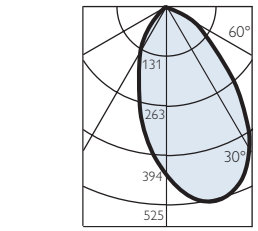
Distance from ceiling in feet	3' from wall	3' on center	3' from wall
1'	9	7	9
2'	16	14	20
3'	20	18	20
4'	19	19	19
5'	17	16	17
6'	14	14	14
7'	11	11	11
8'	9	9	9
9'	7	7	7

6" Aperture 90W PAR38, 50° WFL

Reflector trim: C6P38L CLW

Report no.: 0927FR
Lamp: 90W PAR38
50° Wide Flood
Initial lumens: 1425





Downlight Side — Wall Wash Side

Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall	3' on center	3' from wall
1'	7	5	7
2'	12	11	12
3'	15	14	15
4'	14	14	14
5'	13	12	13
6'	11	11	11
7'	8	8	8
8'	7	7	7
9'	5	5	5

6" aperture

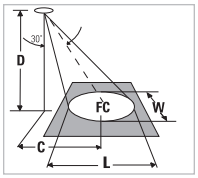
Evolution AR111/ PAR36 halogen adjustable accent

How to specify

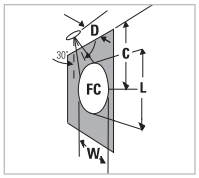
Trim kit	Frame-in kit
C6P36A CLW	C6LV

30° Aiming angle

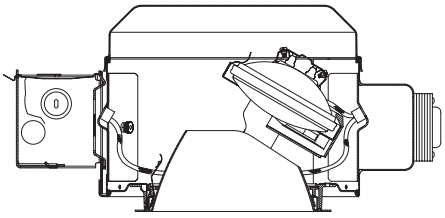
Horizontal surface



Vertical surface



FC is initial footcandles at center of beam. Beam length **L** and beam width **W** are to where the candlepower is reduced to 50% of the center beam candlepower **C** is the distance to the center of the beam.

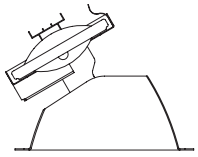


C6P36A CLW trim with **C6LV** frame-in kit shown above. **Ceiling cutout:** 6 11/16"

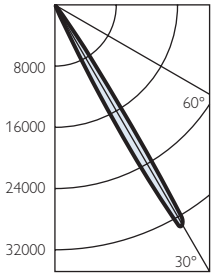
Frame-in kits	Type	Transformer	Imput Voltage	Lamp wattage	Length	Width	Height	Reflector finish	White flange	Polished flange
				PAR36 (12.0V)	35W-50W			Clear	CLW	CLP
C6LV	Non-IC	Magnetic	120/277V	PAR36 (5.5V)	25W Max.	15 3/4"	9 1/2"	Comfort clear diffuse	CCDW	CCDP
				AR111 (12.0V)	35W-75W			Champagne bronze	CCZW	CCZP
				PAR36 (12.0V)	35W-50W			Gold	GDW	GDP
C6ALV	Non-IC AirSeal	Magnetic	120V	PAR36 (5.5V)	25W Max.	15 3/4"	9 1/2"	White	WHW	N/A
				AR111 (12.0V)	35W-75W					
				PAR36 (12.0V)	35W-50W					
C6AICLV	IC AirSeal	Magnetic	120V	PAR36 (5.5V)	25W Max.	19"	10"			
				AR111 (12.0V)	35W-75W					

6" Aperture 50W AR111, 8° SP

Reflector trim: C6P36A CLW



Report no.: 2795FR
Lamp: 50W AR111 8° Spot
Max tilt: 35°
Initial lumens: 550
Luminare beam: 6°



30° Aiming angle - Horizontal surface

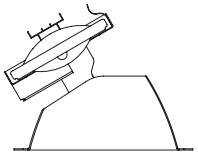
D	C	FC	L	W
6'	3.5'	437	0.8'	0.7'
8'	4.6'	253	1.1'	1.0'
10'	5.8'	164	1.4'	1.2'
12'	6.9'	115	1.7'	1.5'
15'	8.7'	74	2.1'	1.8'

1.8'Aiming angle - Vertical surface

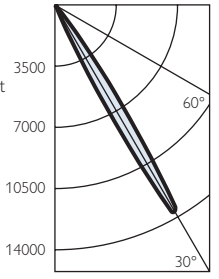
D	C	FC	L	W
2'	3.5'	732	0.8'	0.4'
3'	5.2'	371	1.3'	0.6'
4'	6.9'	218	1.7'	0.8'
6'	10.4'	100	2.5'	1.3'
8'	13.9'	57	3.4'	1.7'

6" Aperture 50W PAR36, 6° NSP

Reflector trim: C6P36A CLW



Report no.: 2794FR
Lamp: 50W PAR36 6° Narrow Spot
Max tilt: 35°
Initial lumens: 700
Luminare beam: 7°



30° Aiming angle - Horizontal surface

D	C	FC	L	W
6'	3.5'	197	1.0'	0.8'
8'	4.6'	114	1.3'	1.1'
10'	5.8'	74	1.6'	1.4'
12'	6.9'	52	2.0'	1.7'
15'	8.7'	33	2.4'	2.1'

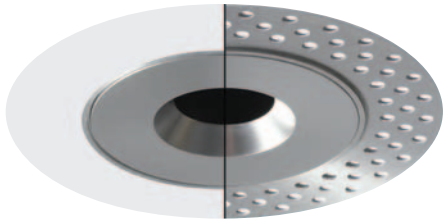
1.8'Aiming angle - Vertical surface

D	C	FC	L	W
2'	3.5'	353	1.0'	0.5'
3'	5.2'	176	1.5'	0.7'
4'	6.9'	103	2.0'	1.0'
6'	10.4'	47	3.0'	1.5'
8'	13.9'	27	4.0'	2.0'

Evolution

Options and accessories

Compact fluorescent conversion kit Converts previously installed incandescent Frame-In Kits to optically correct triple tube compact fluorescent downlights, without the cost of rewiring or reworking the ceiling. Calculite conversion kits properly position the standard (not self ballasted) lamp above the ceiling for effective glare control. Precise optics, thermal engineering and electronic ballasts assure high light output. Separate ballast attaches to the previously installed frame. Socket cup snaps onto fluorescent reflectors for correct lamp focus. Electronic Ballast for 120 volts only. Soft, non-pulsating starting down to 0°F.

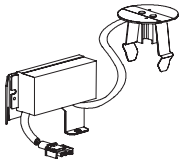


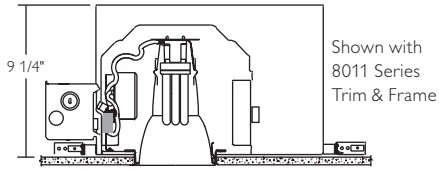
CA3FMR 3" Evolution flangeless trim accessory Ring

Machined aluminum accessory ring (ordered separately) is used with 3" aperture flangeless trims (FT suffix) to provide a flush custom installation. After the frame-in kit is installed, the flangeless ring is inserted into the ceiling opening and the flange is plastered over, feathered, sanded and finished.

4 ½" Aperture, IC conversion kit

18 Watt Triple Tube





For photometric information, see separate trim specification sheets.

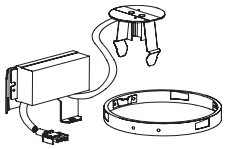
How to specify:

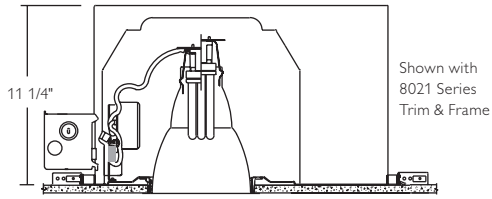
Frame	Conversion Kit	Trim	Description
C4AIC	**C4CFL18**	**8011**	Vertical triple tube downlight
C4AIC	**C4CFL18**	**8011WW**	Vertical triple tube wall washer

Note: Also compatible with C4120 (Non-IC) and C4A120 (Non-IC Airseal)

6" Aperture, IC conversion kit

26 or 32 Watt Triple Tube





For photometric information, see separate trim specification sheets.

How to specify

Frame	Conversion kit	Trim	Description
C6DAIC	**C6CFL32**	**8021**	Vertical triple tube downlight
C6DAIC	**C6CFL32**	**8021WW**	Vertical triple tube wall washer
C6DAIC	**C6CFL32**	**8091**	Lensed downlight
C6DAIC	**C6CFL32**	**8091CB**	Cross blade downlight
C6DAIC	**C6CFL32**	**8046**	Lensed wall washer
C6DAIC	**C6CFL32**	**8031**	Horizontal triple tube downlight

Note: Also compatible with C6D120 (Non-IC) and C6DA120 (Non-IC Airseal)

Pinhole finishes

SA Satin aluminum

Satin Aluminum, knife-edged pinhole aperture with matching flange.

BK Black

Matte Black, knife-edged pinhole aperture with matte white flange.

WH White

Matte White, knife-edged pinhole aperture with matching flange.

Evolution 2" thick ceiling adapters (4 ½" & 6")

C4TCA2

Frames	Trims
C4LVMU	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW,
C4AICLVM1	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW,
C4ALVMU	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4LVE1	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW,
C4LVE2	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW

C4TCA

Frames	Trims
C4120	C4P20A, C4P20GD, C4P20GA
C4A120	C4P20A, C4P20GD, C4P20GA
C4AIC	C4P20A, C4P20GD, C4P20GA

Note: Max wattage allowed may be restricted with the use of thick ceiling adapters, see specification sheets for details.

C6TCAA

For use with evolution 6" aperture adjustable accent fixtures
Compatibility matrix

Frames	Trims
C6LV	C6P36A
C6ALV	C6P36A
C6AICLV	C6P36
C6120	C6P30
C6A120	C6P30A
C6D120	C6P38A
C6DA120	C6P38A
C6AIC*	C6P30A
C6DAIC*	C6P38A

*No thru circuit wiring

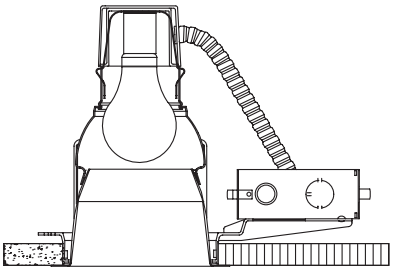
C6TCAD

For use with evolution 6" aperture downlight fixtures
Compatibility matrix

Frames	Trims
C6120	C6AD, C6P30D, C6AW
C6A120	C6AD, C6P30D, C6AW
C6D120	C6AD, C6P38D, C6AW
C6DA120	C6AD, C6P38D, C6AW
C6AIC	C6AD, C6P30D, C6AW
C6DAIC	C6AD, C6P38D, C6AW

4 ½", 6" & 7 ½" aperture

Open downlights - incandescent A lamp



A7053 trim with **A400** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
A7053 CLW	A400

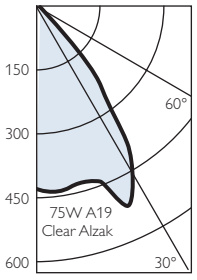
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
4 ½"	A7053	Open downlight	A400	5 1/16"	Non-IC	120V	A19, 100W	20"-30"	13 3/8"	7 15/16"
6"	B7054	Open downlight	A400RM	5 1/16"	Non-IC Remodeler	120V	A19, 100W	20"-30"	13 3/8"	7 15/16"
7 1/2"	C7055	Open downlight	B600	6 9/16"	Non-IC	120V	A19, 100W • MB19, 100W • A21, 150W	20"-30"	10 1/4"	9 5/8"
			B600RM	6 9/16"	Non-IC Remodeler	120V	A19, 100W • MB19, 100W • A21, 150W	20"-30"	10 1/4"	9 5/8"
			C700	8"	Non-IC	120V	A21, 150W • A23, 200W • PS25, 300W	20"-30"	11 1/2"	12 1/16"
			C700RM	8"	Non-IC Remodeler	120V	A21, 150W • A23, 200W • PS25, 300W	20"-30"	11 1/2"	12 1/16"

Finish Info 1	Reflector finish	White flange	White flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	CCZ	W	P	No suffix
Specular gold	GD	W	P	No suffix
White	WH	W	N/A	No suffix
Black	BK	W	P	N/A
Multi-groove	MG	MG	N/A	N/A

*Not all finish/flange options are available with all products. Review specification sheet for details.

4 ½" Aperture 75W A19

Reflector trim: A400 CLW



Report no.: LOL23108
Lamp: 75W A19
Initial lumens: 1,190
Efficiency: 58.2%
Spacing: 1.2

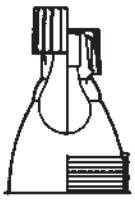
Multiple unit data

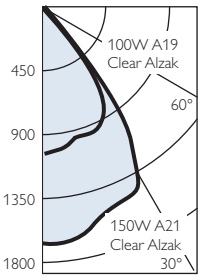
Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.2		
	4' o.c.	6' o.c.	8' o.c.
6'	**48**	**22**	–
8'	**47**	**21**	**12**
10'	**46**	**20**	**11**
12'	**45**	**20**	**11**

Based on 60' x 60' room
80/50/20% reflectances

6" Aperture 150W A21

Reflector trim: B600 CLW





Report no.: ITL11514
Lamp: 150W A21
Initial lumens: 2,880
Efficiency: 72.7%
Spacing: 1.2

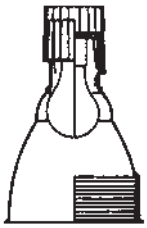
Multiple unit data

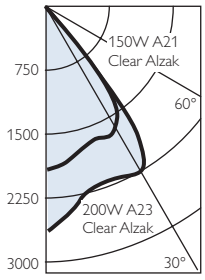
Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.2		
	4' o.c.	6' o.c.	8' o.c.
6'	**66**	–	–
8'	**65**	**36**	**23**
10'	**63**	**35**	**23**
12'	**62**	**34**	**22**

Based on 60' x 60' room
80/50/20% reflectances

7 ½" Aperture 200W A23

Reflector trim: C7055 CLW





Report no.: ITL11516
Lamp: 200W A23
Initial lumens: 4,010
Efficiency: 76.2%
Spacing: 1.3

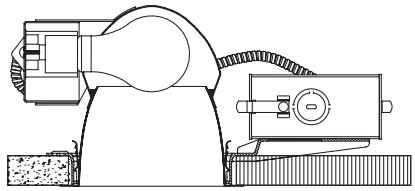
Multiple unit data

Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3		
	6' o.c.	8' o.c.	10' o.c.
8'	**94**	**52**	**34**
10'	**91**	**51**	**33**
12'	**89**	**50**	**32**
14'	**88**	**49**	**32**

Based on 60' x 60' room
80/50/20% reflectances

4 ½" & 6" aperture

Shallow downlights - incandescent A lamp



G7057 trim with **G410** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
G7057 CLW	G410

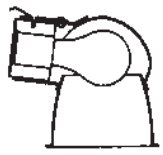
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
4 ½"	G7057	Shallow downlight	G410	5 1/16"	Non-IC	120V	A19, 100W	20"-30"	12 1/2"	5 5/8"
			G410RM	5 1/16"	Non-IC Remodeler	120V	A19, 100W	20"-30"	12 1/2"	5 5/8"
6"	E7059	Shallow downlight	E610	6 9/16"	Non-IC	120V	A19, 100W • A21, 150W	20"-30"	10 1/4"	5 7/8"

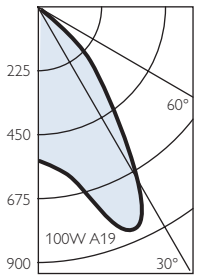
Finish Info 1	Reflector finish	White flange	White flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	CCZ	W	P	No suffix
Specular gold	GD	W	P	No suffix
White	WH	W	N/A	No suffix
Black	BK	W	P	N/A
Multi-groove	MG	MG	N/A	N/A

*Not all finish/flange options are available with all products. Review specification sheet for details.

4 ½" Aperture 100W A19

Reflector trim: G7057 CLW





Report no.: ITL31338
Lamp: 100W A21
Initial Lumens:1,750
Efficiency: 58.5%
Spacing: 1.1

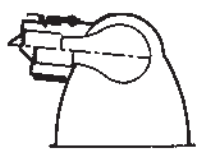
Multiple unit data

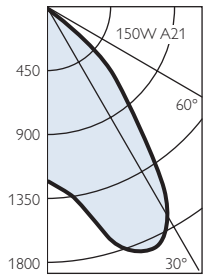
Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.1		
	4' o.c.	6' o.c.	8' o.c.
6'	**71**	**32**	**18**
8'	**69**	**31**	**17**
10'	**68**	**30**	**17**
12'	**67**	**30**	**17**

Based on 60' x 60' room
80/50/20% reflectances

6" Aperture 150W A21

Reflector trim: E7059 CLW





Report no.: ITL22532
Lamp: 150W A21
Initial lumens: 2,880
Efficiency: 71.2%
Spacing: 1.2

Multiple unit data

Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.2		
	6' o.c.	8' o.c.	10' o.c.
6'	**64**	**36**	–
8'	**62**	**35**	**22**
10'	**61**	**35**	**22**
12'	**60**	**34**	**21**

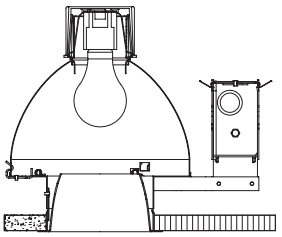
Based on 60' x 60' room
80/50/20% reflectances

4 ½" & 6" aperture

Ellipsoidal downlights - A, T incandescent lamps

How to specify

Trim kit	Frame-in kit
782 CLW	7782



782 trim with **7782** frame-in kit shown above.

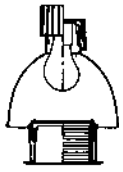
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
4 ½"	782	Ellipsoidal downlight	7782	5 1/16"	Non-IC	120V	A19, 100W • MB19, 100W A21, 150W • A23, 150W	20"-30"	12"	11 1/2"
6"	784	Ellipsoidal downlight	7784	6 1/2"	Non-IC	120V	A23, 200W	20"-30"	14 ½"	12 7/8"
4 ½"	782	Ellipsoidal downlight	7082	5 1/16"	Non-IC	120V	T4, 250W	20"-30"	12"	11 1/2"
6"	784	Ellipsoidal downlight	7084	6 1/2"	Non-IC	120V	T4, 500W	20"-30"	14 ½"	14 5/8"

Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	CCZ	W	P	N/A
Specular gold	GD	W	P	No suffix
White	WH	W	N/A	N/A
Black	BK	W	P	N/A
Multi-groove	MG	MG	N/A	N/A

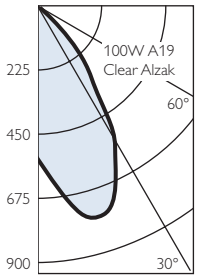
*Lensed Downlights available in matte white only
*Not all finish/flange options are available with all products. Review specification sheet for details.

4 ½" Aperture 100W A19

Reflector trim: 782 CLW



Report no.: ETL385348
Lamp: 100W A19
Initial lumens: 1,750
Efficiency: 46.5%
Spacing: 1.3



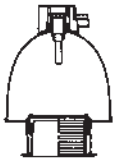
Multiple unit data

Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3		
	4' o.c.	6' o.c.	8' o.c.
6'	**48**	**22**	–
8'	**47**	**21**	**12**
10'	**46**	**20**	**11**
12'	**45**	**20**	**11**

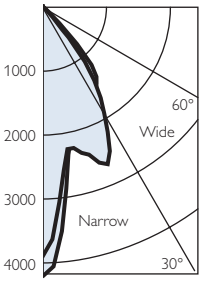
Based on 60' x 60' room
80/50/20% reflectances

4 ½" Aperture 250W T4

Reflector trim: 782 CLW



Report no.: LOL3537FR
Lamp: 250W T4
Initial lumens: 4,800
Efficiency: 63.9%
Spacing: 1.4



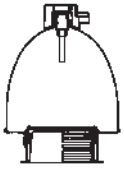
Multiple unit data

Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3		
	4' o.c.	6' o.c.	8' o.c.
6'	**51**	**33**	**23**
8'	**50**	**32**	**22**
10'	**49**	**31**	**21**
12'	**48**	**30**	**20**

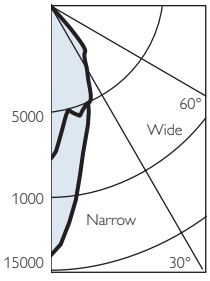
Based on 60' x 60' room
80/50/20% reflectances

6" Aperture 500W T4

Reflector trim: 784 CLW



Report no.: LOL3596FR
Lamp: 500W T4
Initial lumens: 10,100
Efficiency: 71.7%
Spacing: 1



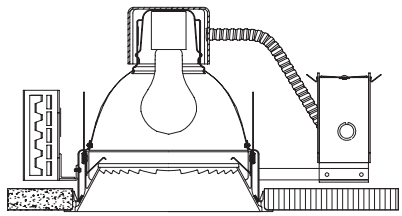
Multiple unit data

Height to lighted plane	Initial Footcandles at Various Fixture Spacings. Maximum Spacing Ratio 1.0		
	4' o.c.	6' o.c.	8' o.c.
6'	**126**	**71**	**50**
8'	**124**	**70**	**49**
10'	**123**	**69**	**48**
12'	**122**	**68**	**47**

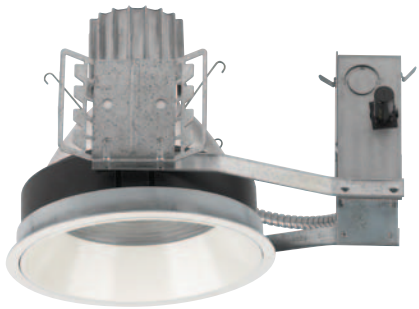
Based on 60' x 60' room
80/50/20% reflectances

7 ½" aperture

Lensed downlights - A incandescent lamp



7790QD shown above.



How to specify

Trim kit	Frame-in kit
7790QD CLW	None

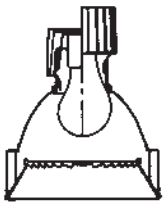
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
7 1/2"	7790QD	Lensed downlight	None	7 3/4"	Non-IC	120V	A19, 100W • MB19, 100W • A21, 150W	20"-30"	11 1/2"	8 7/8"
7 1/2"	7794QD	Lensed downlight-shallow	None	7 3/4	Non-IC	120V	A19, 100W • MB19, 100	20"-30"	11 1/2"	8 7/8"

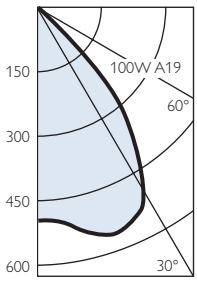
Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	CCZ	W	P	N/A
Specular gold	GD	W	P	No suffix
White	WH	W	N/A	N/A
Black	BK	W	P	N/A
Multi-groove	MG	MG	N/A	N/A

*Lensed Downlights available in matte white only
*Not all finish/flange options are available with all products. Review specification sheet for details.

7 ½" Aperture 100W A19

Reflector trim: 7790QD CLW





Report no.: ITL390909
Lamp: 100W A19
Initial lumens: 1,750
Efficiency: 53.5%
Spacing: 1.3

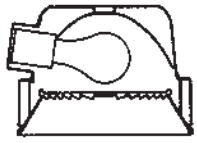
Multiple unit data

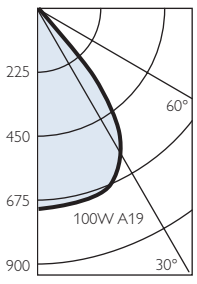
Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 1.3		
	4' o.c.	6' o.c.	8' o.c.
6'	**65**	**29**	**16**
8'	**62**	**28**	**16**
10'	**60**	**27**	**15**
12'	**59**	**26**	**15**

Based on 60' x 60' room
80/50/20% reflectances

7 ½" Aperture 100W A19

Reflector trim:7794QD CLW





Report no.: ETL387916
Lamp: 100W A19
Initial lumens: 1,750
Efficiency: 58%
Spacing: 1.1

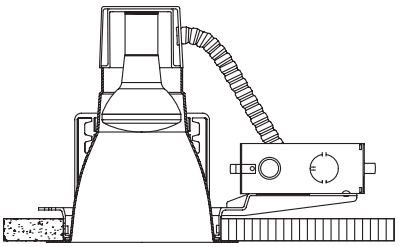
Multiple unit data

Height to lighted plane	Initial Footcandles at Various Fixture Spacings. Maximum Spacing Ratio 1.1		
	4' o.c.	6' o.c.	8' o.c.
6'	**70**	**31**	–
8'	**68**	**30**	**17**
10'	**67**	**30**	**17**
12'	**66**	**29**	**16**

Based on 60' x 60' room
80/50/20% reflectances

4 ½", 6" & 7 ½" aperture

Open downlights - PAR, R, BR halogen lamps



782 trim with **7782** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
A7701 CLW	

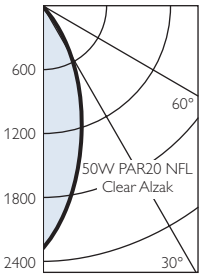
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
4 ½"	A7701	Open downlight	A400	5 1/16"	Non-IC	120V	PAR16, 75W • R20, 75W • PAR20, 50W	20"-30"	12 1/2"	7 3/4"
			A400RM	5 1/16"	Non-IC Remodeler	120V	PAR16, 75W • R20, 75W • PAR20, 50W	20"-30"	12 1/2"	7 3/4"
6"	B7705	Open downlight	B600	6 9/16"	Non-IC	120V	PAR30, 75W • BR30, 85W	20"-30"	10 1/4"	10 7/16"
			B600RM	6 9/16"	Non-IC Remodeler	120V	PAR30, 75W • BR30, 85W	20"-30"	10 1/4"	10 7/16"
6"	B7780	Open downlight	B600	6 9/16"	Non-IC	120V	PAR38, 150W	20"-30"	10 1/4"	11"
			B600RM	6 9/16"	Non-IC Remodeler	120V	PAR30, 75W • BR30, 85W	20"-30"	10 1/4"	11"
7 1/2"	C7709	Open downlight	C700	8"	Non-IC	120V	PAR38, 250W	20"-30"	10 7/8"	12"
			C700RM	8"	Non-IC Remodeler	120V	A21, 150W • A23, 200W • PS25, 300W	20"-30"	10 7/8"	12"

Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	N/A	W	P	N/A
Specular gold	GD	W	P	No suffix
White	N/A	W	N/A	N/A
Black	BK	W	P	N/A
Multi-groove	MG	MG	N/A	N/A

*A7058, B7760 available in multigroove (MG) finish only.
*Not all finish/flange options are available with all products. Review specification sheet for details.

4 ½" Aperture 50W PAR20 NFL

Reflector trim: A7701 CLW



Report no.: LOL1902R
Lamp: 50W PAR20
Initial lumens: 550
Efficiency: 98.2%
Spacing: 0.6

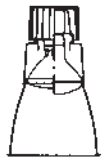
Multiple unit data

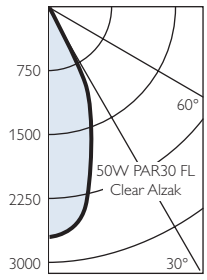
Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 0.6		
	4' o.c.	6' o.c.	8' o.c.
6'	**81**	–	–
8'	**79**	**45**	–
10'	**78**	**44**	**28**
12'	**77**	**43**	**28**

Based on 60' x 60' room
80/50/20% reflectances

6" Aperture 75W PAR30 FL

Reflector trim: A7705 CLW





Report no.: 7705 TBP
Lamp: 75W PAR30
Initial lumens: 1,275
Efficiency: 93.3%
Spacing: 0.6

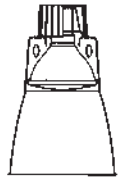
Multiple unit data

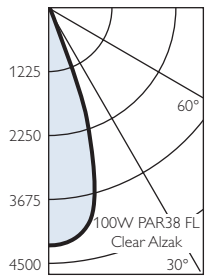
Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 0.6		
	4' o.c.	6' o.c.	8' o.c.
6'	**66**	–	–
8'	**66**	**42**	–
10'	**65**	**42**	**29**
12'	**64**	**41**	**29**

Based on 60' x 60' room
80/50/20% reflectances

7" Aperture 50W PAR38 FL

Reflector trim: C7709 CLW





Report no.: LOL2713
Lamp: 50W PAR38
Initial lumens: 2,000
Efficiency: 93.3%
Spacing: 0.6

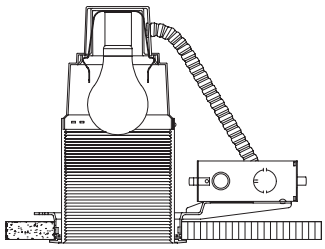
Multiple unit data

Height to lighted plane	Initial footcandles at various fixture spacings. Maximum spacing ratio 0.6		
	4' o.c.	6' o.c.	8' o.c.
8'	**131**	–	–
10'	**130**	**58**	–
12'	**129**	**57**	**32**
14'	**128**	**57**	**32**

Based on 60' x 60' room
80/50/20% reflectances

4 ½" & 6" aperture

Open downlights - PAR, BR halogen lamps



A7058MG trim with **A400** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
A7058 MG	A400

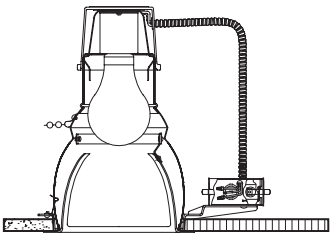
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
4 ½"		Open downlight	A400	5 1/16"	Non-IC	120V	PAR30, 75W • BR30, 85W	20"-30"	12 1/2"	9 11/16"
			A400RM	5 1/16"	Non-IC Remodeler	120V	PAR30, 75W • BR30, 85W	20"-30"	12 1/2"	9 11/16"
6"		Open downlight	B600	6 9/16"	Non-IC	120V	PAR38, 150W • BR40, 120W	20"-30"	10 1/8"	11 1/2"
			B600RM	6 9/16"	Non-IC Remodeler	120V	PAR38, 150W • BR40, 120W	20"-30"	10 1/8"	11 1/2"

Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	N/A	W	P	N/A
Specular gold	GD	W	P	No suffix
White	N/A	W	N/A	N/A
Black	BK	W	P	N/A
Multi-groove	MG	MG	N/A	N/A

*A7058, B7760 available in multigroove (MG) finish only.
*Not all finish/flange options are available with all products. Review specification sheet for details.

4 ½", 6" & 7 ½" aperture

Open wall washers - A lamp



P7006 trim with **P401** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
P7006 CLW	P401

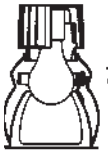
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
4 ½"	P7006	Single wall washer	P401	5 1/16"	Non-IC	120V	A19, 100W	20"-30"	13"	7 7/16"
4 ½"	P7007	Corner wall washer	P401	5 1/16"	Non-IC	120V	A19, 100W	20"-30"	13"	7 7/16"
4 ½"	P7008	Double wall washer	P401	5 1/16"	Non-IC	120V	A19, 100W	20"-30"	13"	7 7/16"
6"	R7029	Single wall washer	R601	6 9/16"	Non-IC	120V	A19, 100W • A21, 150W	20"-30"	10 1/4"	9 5/16"
6"	R7030	Corner wall washer	R601	6 9/16"	Non-IC	120V	A19, 100W • A21, 150W	20"-30"	10 1/4"	9 5/16"
6"	R7031	Double wall washer	R601	6 9/16"	Non-IC	120V	A19, 100W • A21, 150W	20"-30"	10 1/4"	9 5/16"
6"	T7032	Single wall washer	T701	8"	Non-IC	120V	A21, 150W • A23, 300W • PS25, 300W	20"-30"	11 1/2"	11"
6"	T7033	Corner wall washer	T701	8"	Non-IC	120V	A21, 150W • A23, 300W • PS25, 300W	20"-30"	11 1/2"	11"
6"	T7034	Double wall washer	T701	8"	Non-IC	120V	A21, 150W • A23, 300W • PS25, 300W	20"-30"	11 1/2"	11"

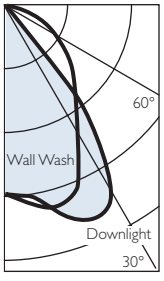
Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	N/A	N/A	N/A	N/A
Champagne bronze	N/A	N/A	N/A	N/A
Specular gold	N/A	N/A	N/A	N/A
White	N/A	N/A	N/A	N/A
Black	N/A	N/A	N/A	N/A
Multi-groove	N/A	N/A	N/A	N/A

*Not all finish/flange options are available with all products. Review specification sheet for details.

4 ½" Aperture 100W A19

Reflector trim: P7006 CLW



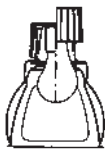


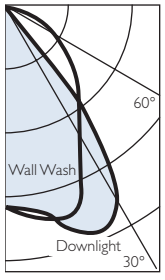
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall (3')			3' from wall (4')		
1	7	10	7	7	6	7
2	13	12	13	11	8	11
3	14	14	14	12	10	12
4	13	14	13	11	8	11
5	10	14	10	10	8	10
6	9	12	9	9	8	9
7	9	12	9	9	6	9
8	9	10	9	9	6	9
9	9	10	9	9	6	9

6" Aperture 150W A21

Reflector trim: R7029 CLW



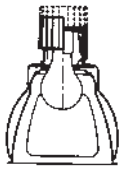


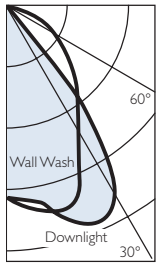
Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall (3')			3' from wall (4')		
1	7	10	7	7	6	7
2	13	12	13	11	8	11
3	14	14	14	12	10	12
4	13	14	13	11	8	11
5	10	14	10	10	8	10
6	9	12	9	9	8	9
7	9	12	9	9	6	9
8	9	10	9	9	6	9
9	9	10	9	9	6	9

7 ½" Aperture 300W PS25

Reflector trim: T7032 CLW



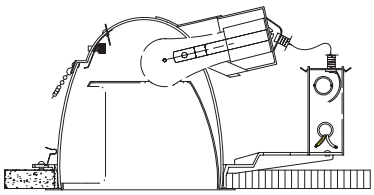


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall (4')			3' from wall (6')		
1	26	28	26	21	19	21
2	36	38	36	27	24	27
3	43	41	43	33	26	33
4	46	47	46	36	29	36
5	50	47	50	37	32	37
6	49	48	49	37	34	37
7	45	46	45	32	33	32
8	40	41	40	28	31	28
9	35	37	35	24	28	24
10	32	34	32	22	26	22

6" aperture

Shallow open downlights - A lamps



V7009CLW trim with **V611** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
V7009 CLW	V611

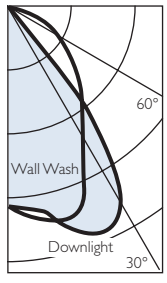
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
6"	V7009	Single wall washer-shallow	V611	6 9/16"	Non-IC	120V	A19, 100W • A21, 150W	20"-30"	10 1/4"	6 7/8"
6"	V7010	Corner wall washer-shallow	V611	6 9/16"	Non-IC	120V	A19, 100W • A21, 150W	20"-30"	10 1/4"	6 7/8"
6"	V7011	Double wall washer-shallow	V611	6 9/16"	Non-IC	120V	A19, 100W • A21, 150W	20"-30"	10 1/4"	6 7/8"

Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	N/A	N/A	N/A	N/A
Champagne bronze	N/A	N/A	N/A	N/A
Specular gold	N/A	N/A	N/A	N/A
White	N/A	N/A	N/A	N/A
Black	N/A	N/A	N/A	N/A
Multi-groove	N/A	N/A	N/A	N/A

*Not all finish/flange options are available with all products. Review specification sheet for details.

6" Aperture 100W A21

Reflector trim: V7009 CLW

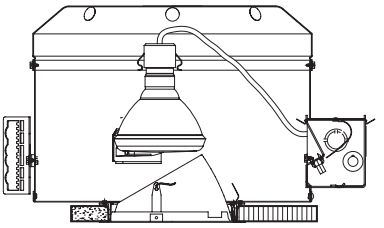


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall, 3'			3' from wall, 4'		
1	12	14	12	12	10	12
2	19	22	19	17	14	17
3	22	24	22	18	16	18
4	22	26	22	20	16	20
5	26	26	26	20	20	20
6	24	22	24	18	18	18
7	20	22	20	16	16	16
8	19	20	19	15	14	15
9	19	20	19	15	14	15
10	17	20	17	15	14	15

6" aperture

Adjustable accent - halogen/incandescent PAR lamps



AA6CLW trim with **PAA6P38D** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
AA6 CLW30	PAA6P38D

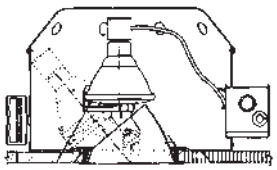
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
6"	AA6CLW30	30 Degree cut cone	PAA6P38D	6 11/16	Non-IC	120V	PAR38, 250W	20"-30"	17 1/8"	10 5/8"
	AA6CLW45	45 Degree cut cone	PAA6P38D	6 11/16	Non-IC	120V	PAR38, 250W	20"-30"	17 1/2"	10 5/8"
6"	AA6CLW30	30 Degree cut cone	PAA6P30S	6 11/16	Non-IC	120V	PAR30, 75W	20"-30"	17 1/8"	10 5/8"
	AA6CLW45	45 Degree cut cone	PAA6P30S	6 11/16	Non-IC	120V	PAR30, 75W	20"-30"	17 1/2"	10 5/8"

Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	N/A	N/A	N/A	N/A
Specular gold	GD	W	P	No suffix
White	N/A	N/A	N/A	N/A
Black	BK	W	P	No suffix
Multi-groove	N/A	N/A	N/A	N/A

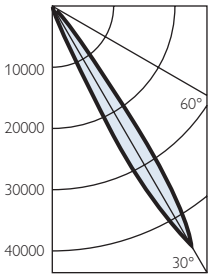
*Not all finish/flange options are available with all products. Review specification sheet for details.

6" Aperture 250W PAR38 SP

Reflector trim: AA6 CLW 30

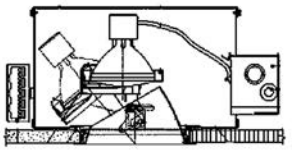


Report no.: AA6CLW30
Lamp: 250W PAR38 SP
Max tilt: AA6CLW30 TBI
Initial lumens: AA6CLW
Luminaire beam: 10°

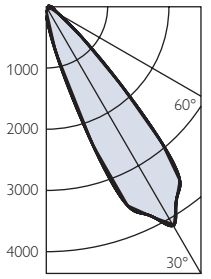


6" Aperture 75W PAR30 NFL

Reflector trim: AA6 CLW 30

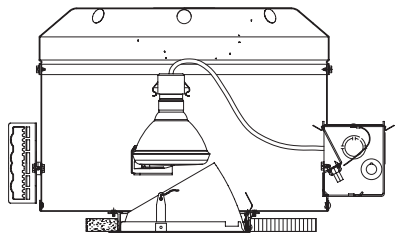


Report no.: AA6CLW30 TBP
Lamp: 75W PAR30 NFL
Max tilt: AA6CLW30 TBP
Initial lumens: AA6CLW30 TBP
Luminaire beam: 27°



7 ½" aperture

Adjustable accent - halogen/incandescent PAR lamps



AA7CLW trim with **PAA7P38D** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
AA7 CLW 30	PAA7P38D

Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage
7"	AA7CLW30	30 Degree cut cone	PAA7P38D	8 1/4"	Non-IC	120V	PAR38, 250W
	AA7CLW45	45 Degree cut cone	PAA7P38D	8 1/4"	Non-IC	120V	PAR38, 250W
7"	AA7CLW30	30 Degree cut cone	CDF7P56D	8 1/4"	Non-IC	120V	PAR56, 500W
	AA7CLW45	45 Degree cut cone	CDF7P56D	8 1/4"	Non-IC	120V	PAR56, 500W

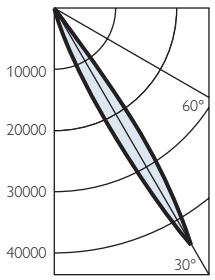
Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	CCD	W	P	No suffix
Champagne bronze	N/A	N/A	N/A	N/A
Specular gold	GD	W	P	No suffix
White	N/A	N/A	N/A	N/A
Black	BK	W	P	No suffix
Multi-groove	N/A	N/A	N/A	N/A

*Not all finish/flange options are available with all products. Review specification sheet for details.

7 ½" Aperture 250W PAR38

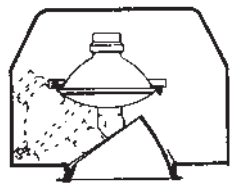
Reflector trim: AA7 CLW 30

Report no.: AA7CLW30 TBP
Lamp: 250W PAR38 SP
Max tilt: AA7CLW30 TBP
Initial lumens: AA7CLW30 TBP
Luminaire beam: 10°

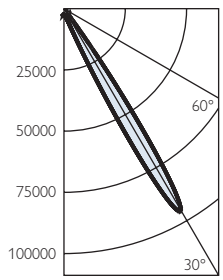


7 ½" Aperture 500W PAR56

Reflector trim: AA7 CLW

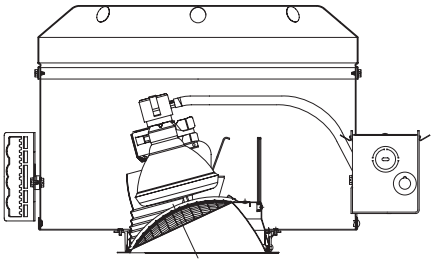


Report no.: AA7CLW30 TBP
Lamp: 500W PAR56
Max tilt: AA7CLW30 TBP
Initial lumens: AA7CLW30 TBP
Luminaire beam: 8 X 13°



7 ½" aperture

Lensed wall washers - halogen/incandescent PAR lamps



LW7 trim with **PLW7P38D** frame-in kit shown above.

How to specify

Trim kit	Frame-in kit
LW7 CLW	PLW7P38D

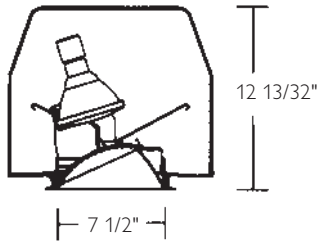
Aperture	Trim kit	Description	Frame-in kit	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
7 1/2"	LW7	Lensed wall washer	PLW7P388	8 1/4"	Non-IC	120/277V	PAR38, 250W	20"-30"	19 1/8"	12 13/32"
	LW7		CDF7P56D	8 1/4"	Non-IC	120/277V	PAR56, 500W	20"-30"	19 1/8"	12 13/32"

Finish Info 1	Reflector finish	White flange	Polished flange	Flangeless
Specular clear	CL	W	P	No suffix
Comfort clear	N/A	N/A	N/A	N/A
Comfort clear diffuse	N/A	N/A	N/A	N/A
Champagne bronze	N/A	N/A	N/A	N/A
Specular gold	N/A	N/A	N/A	N/A
White	N/A	N/A	N/A	N/A
Black	N/A	N/A	N/A	N/A
Multi-groove	N/A	N/A	N/A	N/A

*Not all finish/flange options are available with all products. Review specification sheet for details.

7 ½" Aperture 250W PAR38

Reflector trim: LW7 CLW

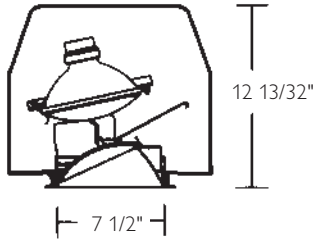


Multiple units Footcandles on wall

Distance from ceiling in feet	3' from wall (3')			3' from wall (4')		
1	8	7	8	7	5	7
2	22	21	22	18	14	18
3	33	32	33	27	22	27
4	37	36	37	30	25	30
5	36	35	36	28	26	28
6	32	32	32	25	24	25
8	24	24	24	19	18	19
10	18	18	18	14	14	14
12	13	13	13	10	10	10
14	11	11	11	9	9	9

7 ½" Aperture 500W PAR56

Reflector trim: LW7 CLW

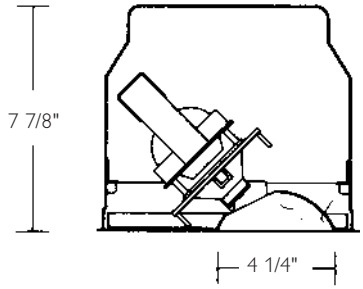


Multiple units Footcandles on wall

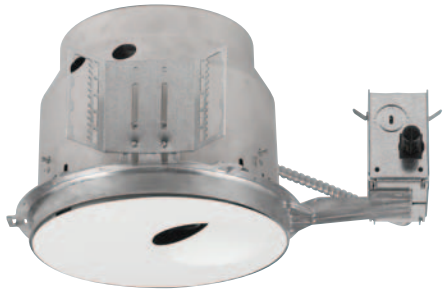
Distance from ceiling in feet	3' from wall (3')			3' from wall (4')		
1	19	15	19	17	10	17
2	37	35	37	31	24	31
3	52	50	52	42	35	42
4	60	59	60	49	42	49
5	60	60	60	48	43	48
6	56	56	56	44	41	44
8	44	45	44	34	34	34
10	35	35	35	27	27	27
12	28	28	28	22	22	22
14	24	24	24	19	19	19

4 ½" aperture

Framing projector - halogen/incandescent T4



Ceiling Cutout
9 1/4" Dia.



How to specify

Complete unit

7052QD

Aperture	Trim kit	Description	Ceiling cutout	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)	Face plate finish
4 1/2"	7052QD	Framing projector	9 1/4"	Non-IC	120V	T4, 100W	20"-30" 20"-30" 20"-30" 20"-30"	17 1/8" 17 1/2" 17 1/8" 17 1/2"	10 5/8" 10 5/8" 10 5/8" 10 5/8"	Matte White

Beam coverage and illumination

Vertical plane

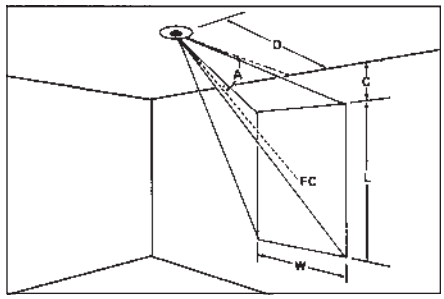
Aiming angles: 45° and 60° from horizontal. Shutters fully open for maximum beam coverage.

Distance (D)	24"		30"		36"		42"		48"		54"		60"	
Aiming Angle (A)	45°	60°	45°	60°	45°	60°	45°	60°	45°	60°	45°	60°	45°	60°
Distance (C) (Min)	8"	17"	11"	21"	13"	26"	16"	30"	18"	35"	21"	40"	23"	44"
Width (W) (Max)	20"	25"	25"	31"	29"	38"	34"	44"	39"	50"	44"	56"	49"	63"
Length (L) (Max)*	37"	65"	46"	82"	56"	98"	65"	114"	74"	131"	84"	147"	93"	163"
F.C. on Beam Axis	**63**	**22**	**41**	**14**	**28**	**10**	**21**	**7**	**16**	**6**	**13**	**5**	**10**	**4**

*Length is to point where illumination drops to 10% of illumination on beam axis.

Example

At a 30" mounting distance (D) and a 45° aiming angle (A), the Framing Projector will illuminate a rectangular area 25" wide by 46" high, 11" down from the ceiling, with the shutters fully open and will provide 41 footcandles on the beam axis.



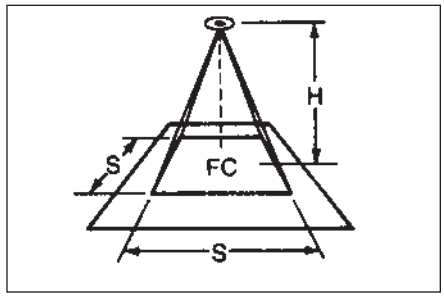
Horizontal plane

Aiming angle: **0° from vertical. Shutters fully open for maximum beam coverage.**

Distance (H)	4'	5'	6'	7'	8'	9'	10'	11'	12'
Sides (S) (Max)	41"	51"	61"	71"	81"	91"	101"	111"	121"
F.C. on Beam Axis	41	27	19	14	11	9	7	6	5

Example

At a 6' mounting height (H) and an aiming angle of 0° from vertical, the Framing Projector will illuminate a square area 61" by 61" with the shutters fully open and will provide 19 footcandles on the beam axis. Shutters may be adjusted to reduce illuminated area.



6" & 9" aperture

Surface halogen/incandescent Cylinders

How to specify

Complete unit

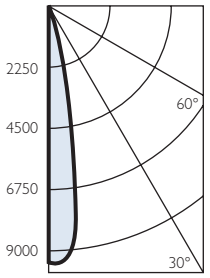
7065AZ

Aperture	Trim kit	Description	Color	Type	Input voltage	Lamp, maximum wattage	Length (L)	Width (W)	Height (H)
6"	7065AZ	Ceiling mount-black baffle	White	Non-IC	120/277V	PAR38, 150W • BR40, 120W • BR30, 65W	6 1/8"	6 1/8"	10 3/4"
6"	7065BK	Ceiling mount-black baffle	Black	Non-IC	120/277V	PAR38, 150W • BR40, 120W • BR30, 65W	6 1/8"	6 1/8"	10 3/4"
6"	7018AO	Ceiling mount-clear reflector	White		120/277V	A21, 150W • PAR38, 150W • BR30, 85W	6 9/16"	6 9/16"	11 5/8"
6"	7018AOBK	Ceiling mount-clear reflector	Black		120/277V	A21, 150W • PAR38, 150W • BR30, 85W	6 9/16"	6 9/16"	11 5/8"
9"	7026AO	Ceiling mount-clear reflector	White		120/277V	PAR38, 250W • BR40, 300W • ER30, 300W	9 1/4"	9 1/4"	13 5/8"
9"	7026AOBK	Ceiling mount-clear reflector	Black		120/277V	PAR38, 250W • BR40, 300W • ER30, 300W	9 1/4"	9 1/4"	13 5/8"

6" Aperture 150W PAR38

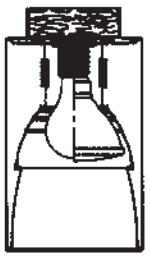
Reflector trim: 7065AZ CLW

Report no.: 7065AZ TBP
Lamp: 7065AZ TBP
Initial lumens: 7065AZ TBP
Efficiency: 7065AZ TBP
Spacing: 7065AZ TBP

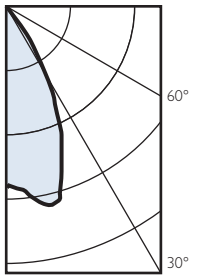


6" Aperture 100W PAR38

Reflector trim: 7018AO CLW

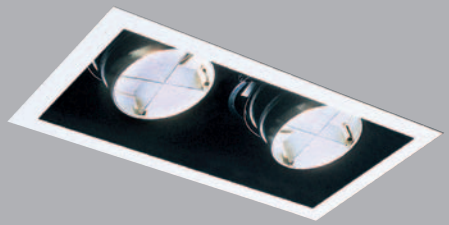


Report no.: LOL0847FR
Lamp: 100W PAR38 FL
Initial lumens: 1,400
Efficiency: 89.30%
Spacing: 0.4



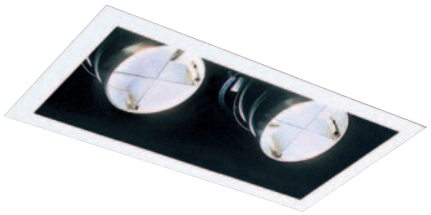
ProSpec Linear

ProSpec Linear combines multiple adjustable accent lights in a single rectangular recessed housing, creating a particularly clean ceiling where a large number of lighting elements are required. ProSpec Linear is available in a range of sizes, lamp options and finishes.



Contents

A series > 1.142
B series > 1.143

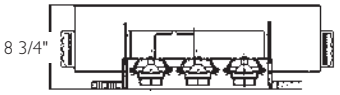


Recessed linear

A series halogen/incandescent

ProSpec Linear A series is designed to use where minimal source identification and maximum integration with the ceiling are desired. Ideal applications include perimeter and center of the store accent lighting. A series offers standard lamp head locking mechanism.

Low voltage MR16

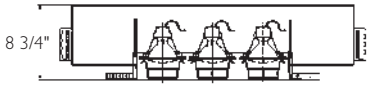


Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PA2M167E	2 MR16, 75W Max.	10" × 5"	11 1/16" × 6 3/16"	17 3/8" × 10" × 8 3/4"	35°	45°
PA3M167E	3 MR16, 75W Max.	15" × 5"	16 1/16" × 6 3/16"	24 3/8" × 10" × 8 3/4"	35°	45°

Multiple lamp spacing 5" on center

Low voltage MR16 comes standard with electronic transformers

Line voltage PAR30



Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PA2P3075	2 PAR30, 75W Max.	12" × 6"	15 1/16" × 8 3/16"	21 1/2" × 10" × 8 3/4"	30°	45°
PA3P3075	3 PAR30, 75W Max.	18" × 6"	22 1/16" × 8 3/16"	30 1/2" × 10" × 8 3/4"	30°	45°

Multiple lamp spacing 5" on center

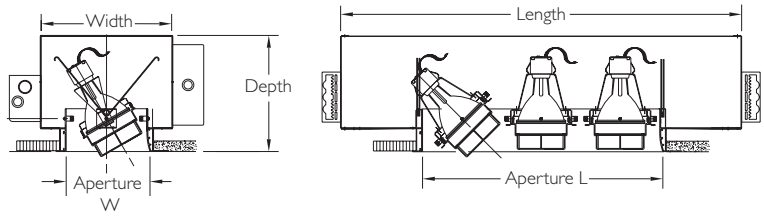
120 Volt supply

Line voltage PAR38

Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PA1P3810	1 PAR38, 100W Max.	7" × 7"	8 3/16" × 8 3/16"	15 3/8" × 10" × 8 3/4"	30°	40°
PA2P3810	2 PAR38, 100W Max.	14" × 7"	15 1/16" × 8 3/16"	27 1/2" × 10" × 8 3/4"	30°	40°
PA3P3810	3 PAR38, 100W Max.	21" × 7"	22 1/16" × 8 3/16"	39 1/2" × 10" × 8 3/4"	30°	40°
PA4P3810	4 PAR38, 100W Max.	28" × 7"	29 1/16" × 8 3/16"	51 1/2" × 10" × 8 3/4"	30°	40°

Multiple lamp spacing 7" on center

120V Supply



Finish/trim and voltage options

Finish/trim options: Add one of the following suffixes for finish and trim options.
BTL Matte black trimless (no flange) **WTL** Matte white trimless (no flange) **BL** Matte black with white flange
WL Matte white with white flange Example: **PB4P3810 + BL** = ProSpec Linear B Series 4-Light, Black with white flange

Voltage options for PA, PB, PE MR16, AR111 or T4/T6 lamping: Add one of the following suffixes for voltage designation.
1= 120V or **2** = 277V Example: **PA2M167EBL** = ProSpec Linear A series 1-light, MR16, 75W, electronic transformer, black with white flange, 120V
For magnetic transfers, replace the "E" code with "M". Example: **PA2M167MBL1**

Accessories: A complete filter accessory consists of size and suffix: AF4 + UV = AF4UV.

Size
AF25 + ☐ = 2 1/2" (Use w/MR16 units)
AF3 + ☐ = 3 3/4" (Use w/PAR30 units)
AF4 + ☐ = 4 3/4" (Use w/PAR38 units)

Hex Cell Louvers
AL25HC = 2 1/2" Hex cell louver
AL3HC = 3 3/4" Hex cell louver
AL4HC = 4 3/4" Hex cell louver

Diffusion/special filters
UV - Optivex UV reduction†
PF - Perimeter frost
SY - 55° Spread lens
LF - Light frost
IR - Infra-Red reduction
AS - 5° x 55° Asymmetrical spread
†Optivex UV filters by Bausch & Lomb

Color filters (prefix for color filters is ADF-i.e. ADF3)

Primary colors	Secondary colors	Mixing colors
RD Red	**MM** Medium magenta	**SP** Surprise pink
BL Blue	**BG** Blue green	**SB** Steel blue
GR Green	**YG** Yellow green	**DA** Daylight color correction
MA Medium amber		**LS** Light straw
		BA Bastard amber
		LP Light pink

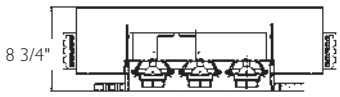
Note: When using accessories with MR16 units, lamping is reduced to 50 watts maximum.

Recessed linear

B series halogen / incandescent / metal halide

ProSpec Linear B series is designed for increased aiming flexibility. With its flush-mounted media cartridges, it also provides a sparkle at the ceiling line. The B series is ideal for perimeter accent lighting and higher ceilings where source concealment is not a concern. B series offers standard lamp head locking mechanism. B series offers optional T4 or T6 lamping.

Low voltage MR16

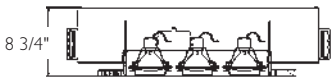


Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PB2M167E	2 MR16, 75W Max.	10" × 5"	11 1/16" × 6 3/16"	17 3/8" × 10" × 8 3/4"	45°	45°
PB3M167E	3 MR16, 75W Max.	15" × 5"	16 1/16" × 6 3/16"	24 3/8" × 10" × 8 3/4"	45°	45°

Multiple lamp spacing 5" on center

Low voltage MR16 comes standard with electronic transformers

Line voltage PAR 30

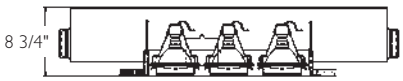


Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PB2P3075	2 PAR30, 75W Max.	12" × 6"	13 1/16" × 7 3/16"	21 1/2" × 10" × 8 3/4"	40°	45°
PB3P3075	3 PAR30, 75W Max	18" × 6"	19 1/16" × 7 3/16"	30 1/2" × 10" × 8 3/4"	40°	45°

Multiple lamp spacing 6" on center

120V Supply

Line voltage PAR 38

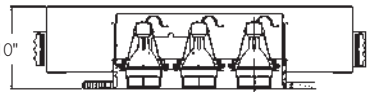


Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PB1P3810	1 PAR38, 100W Max.	7" x 7"	8 3/16" x 8 3/16"	15 3/8" x 10" x 8 3/4"	40°	45°
PB2P3810	2 PAR38, 100W Max.	14" x 7"	15 1/16" x 8 3/16"	27 1/2" x 10" x 8 3/4"	40°	45°
PB3P3810	3 PAR38, 100W Max.	21" x 7"	22 1/16" x 8 3/16"	39 1/2" x 10" x 8 3/4"	40°	45°
PB4P3810	4 PAR38, 100W Max.	28" x 7"	29 1/16" x 8 3/16"	51 1/2" x 10" x 8 3/4"	40°	45°

Multiple lamp spacing 7" on center

120V Supply

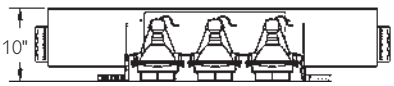
Metal halide T4 B Series



Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PB2T420 +	2 T4, 20W Max.	13" × 6 1/8"	14 1/16" × 7 3/16"	21 3/8" × 10" × 8 13/16"	30°	40°
PB3T420 +	3 T4, 20W Max.	19 1/2" × 6 1/8"	20 9 /16" × 7 3/16"	30 3/8" × 10" × 8 13/16"	30°	40°
PB4T420 +	4 T4, 20W Max.	26" × 6 1/8"	27 1 /16" × 7 3/16"	39 3/8" × 10" × 8 13/16"	30°	40°
PB2T439 +	2 T4, 39W Max.	13" × 6 1/8"	14 1/16" × 7 3/16"	21 3/8" × 10" × 8 13/16"	30°	40°
PB3T439 +	3 T4, 39W Max.	19 1/2" × 6 1/8"	20 9 /16" × 7 3/16"	30 3/8" × 10" × 8 13/16"	30°	40°
PB4T439 +	4 T4, 39W Max.	26" × 6 1/8"	27 1 /16" × 7 3/16"	39 3/8" × 10" × 8 13/16"	30°	40°
PB2T470 +	2 T4, 70W Max.	13" × 6 1/8"	14 1/16" × 7 3/16"	21 3/8" × 10" × 8 13/16"	30°	40°
PB3T470 +	3 T4, 70W Max.	19 1/2" × 6 1/8"	20 9 /16" × 7 3/16"	30 3/8" × 10" × 8 13/16"	30°	40°
PB4T470 +	4 T4, 70W Max.	26" × 6 1/8"	27 1 /16" × 7 3/16"	39 3/8" × 10" × 8 13/16"	30°	40°

Multiple lamp spacing 5" on center **120V Supply**

Metal halide T6 B Series



Catalog #	Lamp data	Aperture L x W	Dimensions: Cutout	Dimensions: Housing	Lamp adjustment: Widthwise	Lamp adjustment: Lengthwise
PB2T639 +	2 T6, 39W Max.	15" × 7 1/8"	16 1/16" × 8 3/16"	27 3/8" × 10" × 8 13/16"	30°	40°
PB3T639 +	3 T6, 39W Max.	22 1/2" × 7 1/8"	23 9/16" × 8 3/16"	39 3/8" × 10" × 8 13/16"	30°	40°
PB4T639 +	4 T6, 39W Max.	30 1/8" × 7 1/8"	40 1/16" × 8 3/16"	51 3/8" × 10" × 8 13/16"	30°	40°
PB2T670 +	2 T6, 70W Max.	15" × 7 1/8"	16 1/16" × 8 3/16"	27 3/8" × 10" × 8 13/16"	30°	40°
PB3T670 +	3 T6, 70W Max.	22 1/2" × 7 1/8"	23 9/16" × 8 3/16"	39 3/8" × 10" × 8 13/16"	30°	40°
PB4T670 +	4 T6, 70W Max.	30 1/8" × 7 1/8"	40 1/16" × 8 3/16"	51 3/8" × 10" × 8 13/16"	30°	40°

Multiple lamp spacing 5" on center **120V Supply**

Lamping options

A Series	Low voltage	Line voltage		Metal halide	
	MR 16	PAR30	PAR38	T4	T6
1 Lamp			PA1P3810		
2 Lamp	PA2M167E	PA2P3075	PA2P3810		
3 Lamp	PA3M167E	PA3P3075	PA3P3810		
4 Lamp			PA4P3810		

B Series	Low voltage	Line voltage		Metal halide	
	MR 16	PAR30	PAR38	T4	T6
1 Lamp			PB1P3810	PB1T4	PB1T6
2 Lamp	PA2M167E	PB2P3075	PB2P3810	PB2T4	PB2T6
3 Lamp	PA3M167E	PB3P3075	PB3P3810	PB3T4	PB3T6
4 Lamp			PB4P3810		

Accessories & options

Calculite specification-grade luminaires have a wide variety of accessories and options available to meet virtually any architectural downlighting requirement. Decorative accessories create visual interest at the ceiling while maintaining a balance between architectural form and innovative design. Sloped ceiling and thick ceiling adaptors ensure maximum application flexibility, while color and diffusion filters, louvers and screens are available to precisely control and modify light for the most discerning spaces.

Contents

Decorative > 1.146
Fused art glass > 1.147
Ordering guide > 1.148
Finish and trim options > 1.150
Installation, wiring > 1.151
Conversion kits > 1.152
Remodel frame-in kits > 1.153
Emergency lighting battery pack > 1.154
Auxiliary lighting, emergency lighting and starting conditions > 1.155
Compact fluorescent conversion kits > 1.154

Vetro glass

Decorative

A definitive design statement utilizing balance and proportions. With uncompromising style and the look of clean, spare elegance, Vetro Downlights open a world of creative potential. Designed for stand-out style or a reserved minimal look, the Downlights offer unlimited scope for a broad variety of applications – all within the same design family.

D01 series

D01 Series
A solid translucent form with aluminum beveled insert and minimal satin ring. A clean geometric form combines a solid translucence with diverging layers and internal reflections to create interest in light. Subtle light patterns are revealed as light emanates in differing ways when viewed from different angles. The layered lighting delivers a contrasting bright with an inner glow offset by the matte satin ring. Any space is enhanced by placement and position.

D02 series

D02 Series
Solid translucent disk with frosted interior and minimal satin ring. Light is released in layered complexity from this semi-recessed luminaire. A solid form of Decorative transparency teamed with frosted layers and lighting present an elegant look. Light floats upward to create a soft ceiling wash which adds yet more interest and definition to a space.

D03 series

D03 Series
Angled double opal glass accessory with satin aluminum ring. The ultimate in elegance the flared luminaire delivers soft, glowing light diffused by frosted opal glass. The setting of satin aluminum adds a distinct design element.

D04 series

D04 Series
Opal glass accessory with satin aluminum ring. Perfectly smooth opalescent cylinder highlights the clean design. A satin aluminum ring adds to the finely engineered look.

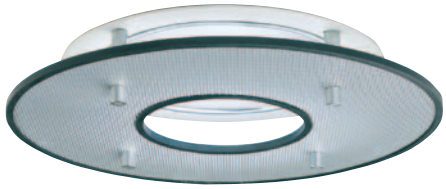
D13 series

D13 Series
Angled double opal glass in angled clear glass with satin aluminum ring. The striking design of opal encased in clear angled glass creates a stunning luminaire with exceptional interest. The simple pin supports on the satin aluminum ring add an understated element to the design.

D14 series

D14 Series
Opal glass in clear glass with satin aluminum ring. The perfectly illuminated design of opal encased in a layer of clear glass lends an added element of design for heightened interest. Simple pin supports on the satin aluminum ring create an understated visual element.

Hand-fused art glass

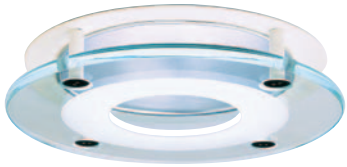


Decorative

Decorative Calculite from Philips Lightolier has taken a leadership role in the decorative arena. Architects, lighting consultants, and interior designers will find a full palette of decorative downlight elements to satisfy design challenges with an assortment of high quality hand-fused Art Glass, metals, acrylics and metal finishes.

These signature elements are designed with an ordering and installation process that addresses the desire for quick delivery and competitive pricing. Decorative Calculite's powerful array of shapes, sizes and diverse materials make it easy to incorporate premium quality lighting elements into virtually any interior design.

DS Glass Disc Solid aperture



The tempered soda lime glass features a sandblasted band 1 1/4" wide with a solid clear center. The element is fixed in position using four matte white painted aluminum spacers and chrome button type fasteners.

DC Suspended Acrylic Crown

The suspended acrylic crown is available in white (W), and cobalt blue (B). The suspended element is held in place with four brushed aluminum balls.

DD Glass Disc Open aperture

Features tempered soda lime glass with a clear edge band and a sandblasted ring around the open center aperture. The element is fixed in position using four matte white painted aluminum spacers and fasteners.

DR Single Ring

Circular solid metal ring suspended by four matching spacer rods. Available in brushed aluminum (BA).

GC Edgelit Circle

Features a white disc base fused to a colorful edge capped with a bubbled layer of clear glass. The standard colors offered for the edging are amber (A), and blue (B). The element is held in place with four stainless steel rods and matte white painted half-round spheres.

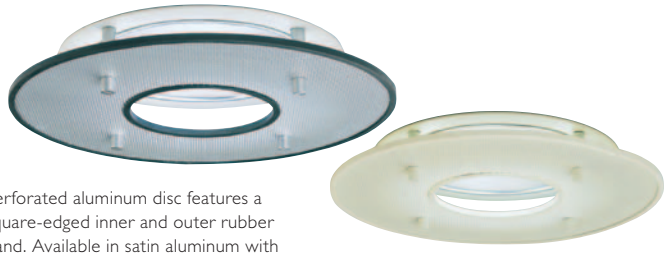
DA Aero-Wing

A circular molded ring with a unique wing profile, suspended by four aluminum spacer rods. The Aero-Wing (MN) or metallic aluminum (MA) painted finish.

GW Glass Waveform

Consists of a clear sandblasted base fused with a white waveform which is curved in appearance. The element is held in place with four stainless steel rods and matte white painted half-round spheres.

DP Perforated Disc



Perforated aluminum disc features a square-edged inner and outer rubber band. Available in satin aluminum with black rubber edging (SA) or matte white painted aluminum (WH) with white rubber edging. The element is fixed to the frame using four aluminum spacers and fasteners.

Vetro glass

Decorative ordering guide

Compatibility

Decorative Calculite elements are compatible with the following:

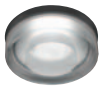
Line voltage
6" and 7 1/2" Apertures: See pages 162, 166, 167 for B7054, B7705, C7055, B7760, B7780, C7709, E7059

Compact fluorescent
6", 7", 8" Apertures: See pages 190, 192, 198 for 8021, 8022, 8023, 8031, 8037, 8051, 8052, 8056, 8065

Note: Not compatible with remodelers and HID product.

Consult factory for compatibility with Evolution.

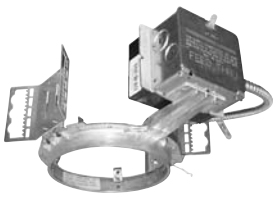
Ordering information for Vetro glass

Vetro Glass		3" Evolution	4" Evolution	4" Aperture	6" Aperture	7" Aperture
	D01 Series	D3MR01	D4MR01	D4A01	D6A01	D7A01
	D02 Series	D3MR02	D4MR02	D4A02	D6A02	D7A02
	D03 Series	D3MR03	D4MR03	D4A03	D6A03	D7A03
	D04 Series	D3MR04	D4MR04	D4A04	D6A04	D7A04
	D13 Series	D3MR13	D4MR13	D4A13	D6A13	D7A13
	D14 Series	D3MR14	D4MR14	D4A14	D6A14	D7A14

Refer to Decorative section for additional information.
* Decorative Vetro to be used with HID fixtures 39W Max. Consult factory for other options.

How to order

For a complete Decorative Calculite downlight you need to specify the Frame-In Kit, Reflector, and Decorative Finish Kit.



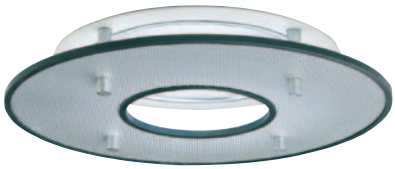
1. Frame-in kit
Specify a compatible Calculite open downlight Frame-In Kit.

2. Reflector
Specify a compatible Calculite open downlight reflector with the molded trim ring/flangeless option (no suffix). Reflectors with a white painted (W) or polished (P) flange are not compatible.

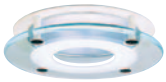
3. Decorative finish kit
Specify the Decorative finish kit of your choice.

Hand-fused art glass

Decorative ordering guide



Ordering information for architectural designs

Architectural Designs		Color Options	6" Aperture	7" Aperture
	Glass Disc Open Aperture	—	DD6	DD7
	Glass Disc Solid	—	DS6	DS7
	Perforated Disc	White (with white rubber) Satin Aluminum (with black rubber)	DP6WH DP6SA	DP7WH DP7SA
	Single Ring	Brushed aluminum	DR6BA	DR7BA
	Suspended Acrylic Crown	White Cobalt Blue	DC6W DC6B	DC7W DC7B
	Aero-Wing	Metallic Aluminum Matte White	DA6MA DA6MW	DT7PA DT7PB

Ordering information for fused art glass

Hand-fused Art Glass		Color Options	6" Aperture	7" Aperture
	Edgelit Circle - Bubble Effect	Amber edge Blue edge	GC6A GC6B	GC7A GC7B
	Waveform	Neutral white	GW6	GW7

Decorative finish kits consist of: decorative element, trim ring, and hardware designed to fit on all flangeless 6" and 7" compact fluorescent and most incandescent open downlights (not for use with Calculite Evolution and ProSpec. When using C700 frame – maximum wattage allowed is 250W).

Compatibility

Decorative Calculite elements are compatible with the following:

Line voltage
6" and 7 1/2" Apertures: B7054, B7705, C7055, B7760, B7780, C7709, E7059

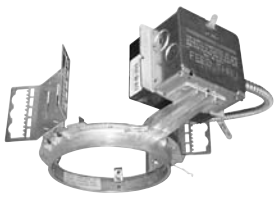
Compact fluorescent
6", 7", 8" Apertures: 8021, 8022, 8023, 8031, 8037, 8051, 8052, 8056, 8065

Note: Not compatible with remodelers and HID product.

Consult factory for compatibility with Evolution.

How to order

For a complete Decorative Calculite downlight you need to specify the Frame-In Kit, Reflector, and Decorative Finish Kit.



1. Frame-in kit
Specify a compatible Calculite open downlight Frame-In Kit.

2. Reflector
Specify a compatible Calculite open downlight reflector with the molded trim ring/flangeless option (no suffix). Reflectors with a white painted (W) or polished (P) flange are not compatible.

3. Decorative finish kit
Specify the Decorative finish kit of your choice.

Finish and trim options

Aperture appearance

The proliferation of lamp types and colors, the differences among lamp manufacturers, and the array of reflector types present some challenges in specifying finishes.

Lamps of the same color temperature and type (e.g. 3500K triple tube) but from different manufacturers may look different in the same reflector.

Lamps of the same color temperature and same manufacturer but of different types (e.g. triple tube vs. quad tube) may look different in the same reflector.

Therefore, using a single type, color, and brand of lamp produces the most consistent appearance among all the downlights used in a space.

Vertical, horizontal, and louvered optics all look different when the reflectors are finished in the same process. To compensate, Philips Lightolier finishes each of these reflector types differently. Our goal is to produce the closest match among all downlights.

Not all finishes and reflector options are available for all products. See specification sheet for more information.

Care & maintenance

If handling of reflectors with Alzak® finish is required, the use of clean white or plastic film gloves is recommended to avoid fingerprints. Alzak® surfaces can be cleaned by the following methods: Wipe off with soft clean, dry lint-free cloth; or wipe off with a soft cloth dampened in mild detergent solution, rinse, then wipe dry with lint-free cloth or paper towel. Avoid gritty cleaning agents.

Note: Not all options are available with all products. Review product information for compatibility.

Calculite finish options

CL Clear
Clear is the most specular and therefore most efficient finish available. Clear reflectors deliver maximum photometric performance but can produce a mirror image of the interior of the space.

CCL Comfort clear
Comfort clear is a slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image inherent with specular finishes.

CCD Comfort clear diffuse
Comfort clear diffuse is a semi-specular finish that softens the light at the source of the reflector. The finish creates a subtle, even luminance from the reflector cone.

CCZ Champagne bronze
Champagne bronze is a semi-specular finish that softens the light at the source of the reflector while providing a warmer reflector appearance. Light output is slightly warmer as well.

WH White
The matte white finish produces the brightest aperture when illuminated but provides the smoothest transition to most ceilings when off. White is available only with a white flange.

BK Black
Black is a specular finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.

Low voltage transfer circuit

Designed to combine existing low voltage lighting with a 12 volt emergency unit power pack. In the event of utility power failure, the Low Voltage Transfer Circuit will allow the 12 volt emergency power unit to supply power directly to the lamps of the low voltage fixture.

Please refer to Safety Lighting Systems LTC-Low Voltage Transfer Circuit for additional information.

Calculite trim options

P Polished flange
5/8" wide integral flange polished and finished to match the appearance of the interior of the reflector (available option on most reflector types).

W White painted flange
5/8" wide integral flange painted matte white. Standard trim detail on all reflectors.

Sloped ceilings

Calculite adapters properly orient downlights when installed in sloped ceilings. The wide splay minimizes scalloping and beam distortion. Adapters are spun out of heavy gauge aluminum, are self-flanged, and are painted matte white (easily field repainted to match the ceiling). Adapters are produced specifically for sloped angles of MC (5°), MD (10°), ME (15°), MF (20°), MG (25°), and MH (30°). They are used with complete standard fixtures (Frame-In-Kit and compatible reflector). To specify, add the desired slope angle suffix to the catalog number.

SCAHID - Mounting Kit Accessory Required for HID applications. Mounting hardwire and adjustable mounting support included for T-Bar grid ceiling installations.

Slope adapter	Aperture
7920	4 ½"
7925	6"
7926	7 ⅜"
7927	8 ¾"
7924	9"
7929	12"

Downlights only (not Evolution) Compatible Frames
See fixture specification sheets.

Installation and wiring

Evolution 2" thick ceilings adapters

C4TCA2

Frames	Trims
C4LVMU	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4ALVMU	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4LVE1	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4LVE2	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4AICLVM1	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4AICLVE1	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW

C6TCAD

For use with Evolution 6" Aperture DOWNLIGHT fixtures

Compatibility matrix

Frames	Trims
C6120	C6AD, C6P30D, C6AW
C6A120	C6AD, C6P30D, C6AW
C6D120	C6AD, C6P38D, C6AW
C6DA120	C6AD, C6P38D, C6AW
C6AIC	C6AD, C6P30D, C6AW
C6DAIC	C6AD, C6P38D, C6AW

C6TCAA

For use with Evolution 6" Aperture Adjustable Accent Fixtures

Compatibility Matrix

Frames	Trims
C6LV	C6P36A, C6P36A
C6ALV	C6P36A, C6P36A
C6AICLV	C6P36A, C6P36A
C6120	C6P30A
C6A120	C6P30A
C6D120	C6P38A
C6DA120	C6P38A
C6AIC*	C6P30A
C6DAIC*	C6P38A

*No Thru Circuit Wiring

Note: Max Wattage allowed may be restricted with the use of Thick Ceiling Adapters, see specification sheets for details.

C4TCA

Frames	Trims
C4120	C4P20A, C4P20GD, C4P20GA
C4A120	C4P20A, C4P20GD, C4P20GA
C4AIC	C4P20A, C4P20GD, C4P20GAC6TCAD

Mounting bars

18" Long, set of 2 bars **1950**
27" Long, set of 2 bars **1951**

Telescoping bars for mounting between wood joists spaced up to 24" o.c. **7994***

Set of 2 bars and 2 C-channel cross bars

Mounting clips

T-bar Clips anchor 1950 or 1951 to T-bars.
Set of 4 clips **1956**

Retaining Clips anchor pre-wired fixtures in existing ceiling. For modular fixtures only.
Set of two clips. **7998***

*Not for use with 6" or 7 1/2" accent lights or lensed wall washers. Die cast frame only.

Step down transformer

For supplying a 120V fixture from a 277V branch circuit, (20 amp. min.). Rated for: 277V, primary, 60Hz, 1.1 amp 120V, secondary; 300W max. incandescent load. Suitable for single or multiple fixtures, 300W max. load. 48" long leads included. See specification sheet 7997. Note: For accessible ceilings only when used with 6" or 7 1/2" aperture accent lights and lensed wall washers. **7997**

Chicago plenum

Most modular construction Calculites are available with construction approved for use in Chicago Air Plenum. Consult your Philips Lightolier Representative.

Color filters

Series: **ADF2** = 2" dia., **ADF3** = 3 3/4" dia., **ADF4** = 4 3/4" dia., **ADF7** = 6 1/4" dia.

Primary Colors:

RD Red

BL Blue

GR Green

Secondary Colors:

MM Medium Magenta

BG Blue Green

MA Medium Amber

YG Yellow Green

Mixing colors*

SP Surprise Pink

SB Steel Blue

DA Daylight Color Correction

LS Light Straw

BA Bastard Amber

LP Light Pink

*Filters shown together mix to white.

Calculite filters and accessories

Accessory holder

CAH7 Required to use a 6 1/4" Filter with Dual Function Adjustable Accent Fixtures, CDF7 series. Matte Black finish.

Diffusion/special filters

Series: **AF2** = 2" dia., **AF3** = 3 3/4" dia., **AF4** = 4 3/4" dia., **AF7** = 6 1/4" dia.,

UV Optivex UV Reduction*

PF Perimeter Frost

SY Symmetrical Spread Lens

SF Solite Soft Focus Lens

FR Frosted Etched Lens

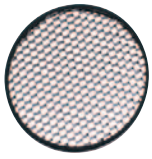
IR** Infra-Red Reduction

AS** Beam Elongator Lens

*Optivex UV filters by Bausch & Lomb
**Not for use on all fixtures. See fixture spec sheet

Hex cell louvers

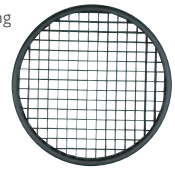
AL2HC = 2" dia. Hex Cell Louver
AL3HC = 3 3/4" dia. Hex Cell Louver
AL4HC = 4 3/4" dia. Hex Cell Louver
7472 = 2" dia. Hex Cell Louver (Bare Edge)



Cube cell louvers

AL4CC = 4 3/4" dia. Cube Cell Louver
AL7CC = 6 1/4" dia. Cube Cell Louver

Provides additional light shielding and reduces lamp glare when needed. Matte black finish.

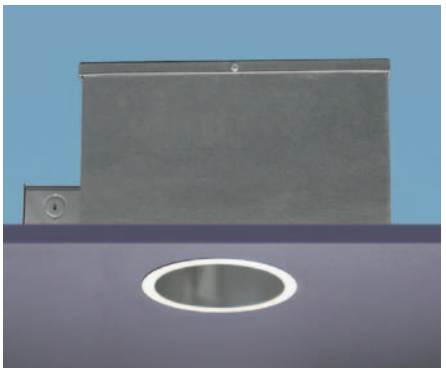


Screen kits

AS25LS = 2 1/2" dia. Light Blocking
AS4LS = 4 3/4" dia. Light Blocking
AS7LS = 6 1/4" dia. Light Blocking

Each kit contains two 15% Light Blocking Screen and two 40% Light Blocking Screens.

3", 4" Evolution and ProSpec



CFL conversion kits

Features

IC Conversion Kit: Calculite Evolution Fluorescent downlights provide energy efficient general illumination in applications with insulated ceilings. Conversion kits permit Triple Tube Compact Fluorescent lamps to be used with existing Evolution Incandescent IC frames and standard Calculite CFL trims. The conversion kits may be installed prior to mounting or at any time afterwards, existing Evolution incandescent fixtures can also be retrofit.

Electronic Ballast: 120 Volts only. Short circuit and End-of-Life Protection. THD <10%, Class P, HPF.

Compact Fluorescent Conversion Kit: Converts previously installed incandescent Calculites to optically correct triple tube compact fluorescent downlights, without the cost of rewiring or reworking the ceiling. Calculite conversion kits properly position the standard (not self ballasted) lamp above the ceiling for effective glare control. Precise optics, thermal engineering and electronic ballasts assure high light output. Conversion kits also limit lamp pilferage or can be returned to incandescent use.

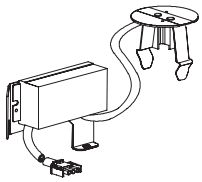
Construction: Screw-shell adaptor fits incandescent socket cup. Separate ballast compartment attaches to the previously installed frame. Socket cup snaps onto new fluorescent reflectors for correct lamp focus. All converted Calculites are UL Listed as new downlights.

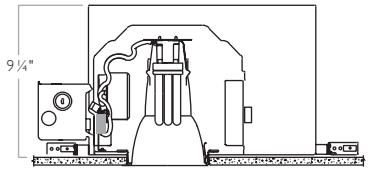
Electronic Ballast: 120 volts only. Programmed start, non-pulsating starting down to 0°F.

Reflector: New 6" or 7" triple tube reflector required. See the matrix. For other fixtures, consult factory.

4 ½" Aperture, compact fluorescent IC conversion kit

18 Watt triple tube





Shown with 8011 Series Trim & Frame

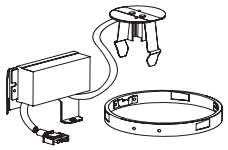
How to Specify

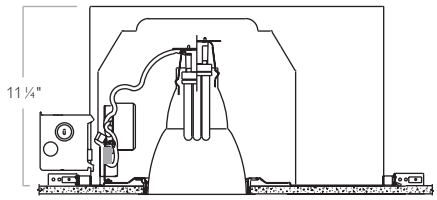
Frame	Conversion kit	Trim	Description
C4AIC	C4CFL18	8011	Vertical Triple Tube Downlight
C4AIC	C4CFL18	8011WW	Vertical Triple Tube Wall Washer

For photometric information, see separate trim specification sheets.
Note: Also compatible with C4120 (Non-IC) and C4A120 (Non-IC Airseal®)

6" Aperture, compact fluorescent IC conversion kit

26 or 32 Watt triple tube





Shown with 8021 Series Trim & Frame

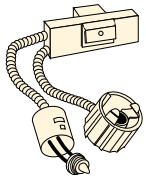
How to specify

Frame	Conversion kit	Trim	Description
C6DAIC	C6CFL32	8021	Vertical Triple Tube Downlight
C6DAIC	C6CFL32	8021WW	Vertical Triple Tube Wall Washer
C6DAIC	C6CFL32	8091	Lensed Downlight
C6DAIC	C6CFL32	8091CB	Cross Blade Downlight
C6DAIC	C6CFL32	8046	Lensed Wall Washer
C6DAIC	C6CFL32	8031	Horizontal Triple Tube Downlight

For photometric information, see separate trim specification sheets.
Note: Also compatible with C6120 (Non-IC) and C6A120 (Non-IC Airseal®)

Compact fluorescent conversion kit

26 or 32 Watt triple tube (6" Aperture) 26,32, or 42W Triple tube (7" Aperture)



How to specify

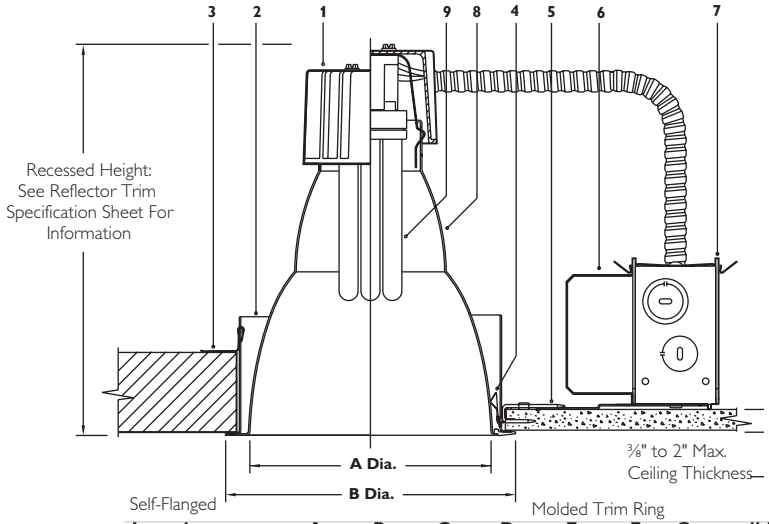
Conversion kit (120V only)

Existing incandescent			Recommended compact fluorescent reflector.		
Frame	**Reflector**	**Description**	**Conversion kit**		**Compact fluorescent reflector**
B600	7054	6" A lamp downlight	132B120CK	+	8021 or 8031
B600	7705, 7760, 7780	6" R or PAR downlight	132B120CK	+	8021
E610	7059	6" Horizontal downlight	132B120CK	+	8031
C700	7055, 7709	7" A, PAR downlights	132B120CK	+	8022

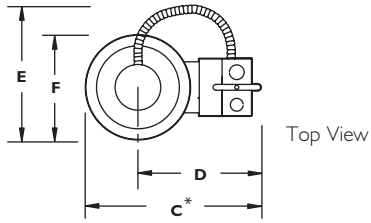
Remodel frame-in kits

Compact lamps and efficient fixtures provide options for achieving high light levels while reducing the size of the ceiling opening. You no longer need to go to a 2' x 2' fluorescent product to provide adequate illumination and wide spacing. Matrix 9" x 9" square luminaires with two 42W triple tube compact fluorescent lamps are comparable in output to traditional recessed 2' x 2' troffers. Triple tube lamps have the added benefit of amalgam technology, which maintains lumen output over a wider range of operating temperatures.

Compact fluorescent frames



	Lamping	A	B	C	D	E	F	Compatible reflector trim series
6132BURM	1 Lt. Triple Tube, 26/32W	6"	7¼"	12½"	9⅛"	8½"	6½"	**8021, 8031, 8046, 8091**
7142BURM	1 Lt. Triple Tube, 26/32/42W	7⅜"	8⅝"	14¼"	9⅞"	10"	7⅞"	**8022, 8037, 8047, 8097**
8142VURM	1 Lt. Triple Tube, 42W	8¾"	9⅞"	15¼"	10½"	11¼"	9⅛"	**8023**
8242HURM	2 Lt. Triple Tube, 26/32/42W	8¾"	9⅞"	15¼"	10½"	11¼"	9⅛"	**8038, 8039, 8069**

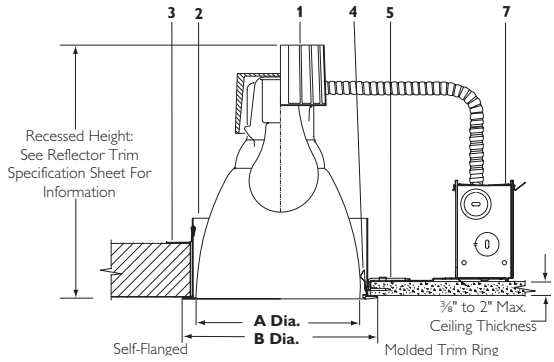


Specifications

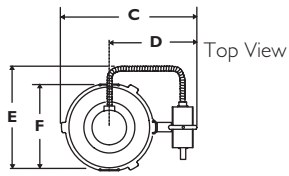
1. Snap-on Die-Cast Aluminum Socket Cup
2. Die-Formed Steel Frame
3. Mounting Frame Retaining Spring Clips
4. Reflector Retaining Spring Clips
5. Nail Pins secure J-Box/Ballast onto ceiling
6. Electronic Ballast: Universal voltage 120 thru 277V, HPF, Class P, THD <10%
7. Junction Box: Suitable for 90°C supply wiring connections.
8. Representative Reflector trim: 8021 series shown.
9. Triple Tube Compact Fluorescent, 4-Pin (by other) UL Listed For Damp Locations

Notes: Open wall washer reflector trims are not compatible.
* "C" dimension is applied for vertical lamping. For horizontal lamping see separate trim specification sheet.

Incandescent frames



	A	B	C	D	E	F	Compatible reflector trim series	Lamping
A400RM	4½"	5¾"	11⅞"	8⅜"	7"	5"	**A7053**	A19 100W max.
							A7058	BR30 85W max. / PAR30 / ER30 75W max.
							A7701	PAR16 / R20 75W max. / PAR20 50W max.
B600RM	6"	7¼"	13⅞"	10⅝"	8½"	6½"	**B7054**	A19 100W max. / 150W A21 max.
							B7705	BR30 85W max. / PAR30 75W max.
							B7760	PAR38 150W / ER30 75W / BR30 85W / BR40/ER40 120 max.
							B7780	PAR38 150W max.
C700RM	7⅜"	8⅝"	16"	12"	10"	7⅞"	**C7055**	A21 150W max. / A23 200W max. / PS25 300W max.
							C7709	PAR38 250W max.
G410RM	4½"	5¾"	11⅞"	8⅜"	7"	5"	**G7057**	A19 100W max. (horizontal lamping)



Specifications

1. Snap-on Die-Cast Aluminum Socket Cup
2. Die-Formed Steel Frame
3. Mounting Frame Retaining Spring Clips
4. Reflector Retaining Spring Clips
5. Nail Pins secure J-Box onto ceiling
6. (Not shown) Thermal Protector meets NEC and UL requirements. Insulation must be kept 3" away from fixture sides and wiring compartments and must not be placed above fixture in a manner which will entrap heat.
7. Junction Box: Suitable for 90°C supply wiring connections. UL Listed for Damp Locations

Emergency lighting battery pack

Compact fluorescent

Features

Emergency packs: Solid state battery pack provides 90-minute emergency lighting when AC power fails. Lamps operate as shown below. Meets National Electric and Life Safety codes. Modular construction converts a standard downlight into an emergency unit and permits emergency downlights to be integrated into the lighting design.

Battery pack: Fully encased, long-life nickel cadmium; pre-wired with quick connect plug, may be replaced from below; charges from both 120 and 277 VAC.

Test Switch and Charge Light

FAEM1T, FAEM2T, FAEM3E: Included in easy-to-install recessed switch box. May be remoted to closet or cabinet (up to 50' away) if desired. Matte white, 4½" diameter canopy.

FAEM4E: Includes one piece test switch and charge light with 2 3/4" dia. matte white cover plate; installs in ceiling or in reflector. See separate specifications.

Frame-in kit: A standard Calculite compact fluorescent Frame-In Kit, see Compatibility Matrix.

Ballast: Electronic or magnetic as specified for AC operation; 120 or 277 volts.

Reflector: Any standard Calculite compact fluorescent reflector.

Listing: The Emergency Pack is UL Listed for indoor dry locations. Not approved for Chicago Plenum.

How to specify: The Frame-In Kit and Emergency Pack are shipped in separate cartons. The Battery Pack carton is labeled with an "FA" prefix (denoting Fluorescent Accessory). Ex:

FAEM3E: Most of frame-in kits are available with a factory installed emergency battery pack. Add suffix "EM" to Frame-In Kit number.

Installation: Emergency Pack installs in the field. It requires no additional plenum depth. Pack attaches to the standard Frame-In Kit mounting bracket. Battery, test switch, and charge light are pre-wired to one side of the quick-connect plug. Ballast and socket leads are field-installed to the other side of the plug.

Compatability matrix

Lamp		Wattage	Ballast	Specify
Twin	2-pin	13W	Magnetic M	**FAEM1T**
Quad	2-pin	13W	Magnetic M	**FAEM1T**
	2-pin	18W	Magnetic M	**FAEM2T**
	2-pin	26W	Magnetic M	**FAEM2T**
Quad	4-pin	13W	Electronic F	**FAEM3E, FAEM4E**
	4-pin	18W	Electronic F	**FAEM3E, FAEM4E**
	4-pin	26W	Electronic U	**FAEM3E, FAEM4E**
Triple	4-pin	18W	Electronic G	**FAEM3E, FAEM4E**
	4-pin	26W	Electronic U	**FAEM3E, FAEM4E**
	4-pin	32W	Electronic U	**FAEM3E, FAEM4E**
	4-pin	42W	Electronic U	**FAEM3E, FAEM4E**

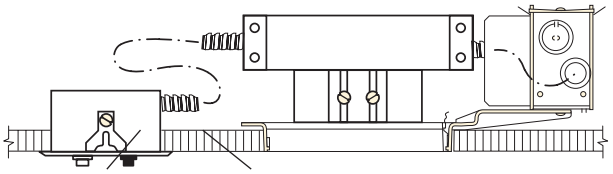
1. Consult factory for damp location.
2. FAEM3E and FAEM4E are not compatible with Ballast Type "C", "D" and "J" dimming frames.
3. FAEM4E not compatible with S7226 and S8242 series frames.

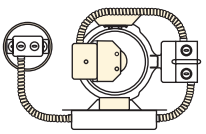
Lumen output with battery pack

Lamp	1-Light fixture	2-Light fixture (both lamps on)
13W Twin (2-pin)	–	625
13W Quad (2-pin)	525	525
18W Quad (2-pin)	520	520
26W Quad (2-pin)	650	650
13W Quad (4-pin)	350, 650**	425, 650**
18W Quad (4-pin)	475, 650**	575, 650**
26W Quad (4-pin)	600, 650**	700**
18W Triple (4-pin)	300, 650**	525
26W Triple (4-pin)	450, 650**	725
32W Triple (4-pin)	575, 650**	750
42W Triple (4-pin)	750, 650**	–

** Lumen output for **FAEM3E**
** Lumen output for **FAEM4E**

Emergency pack shown on standard frame-in kit





Indicator light Test button

Energy Star

Calculite now offers a 6", 1 lamp, 32W frame-in kit designed to comply with the Environmental Protection Agency's Energy Star program as well as California's Title 24 legislation. This product, designed to government specifications, provides the consumer with a highly energy-efficient lighting fixture. Energy Star® products are an excellent choice for residential and commercial applications as they offer significant savings in energy costs and are environmentally friendly.

Auxiliary lighting, emergency lighting and starting conditions

HID

Ballast	ANSI Code	Voltage	Max. amps	Input watts
Electronic				
20W MH	**M156**	120/277	0.21/0.10	23
39W MH	**M130**	120/277	0.39/0.17	44
70W MH	**M98/M139/M143**	120/277	0.67/0.28	78
100W MH	**M90/M140**	120/277	0.90/0.43	110
150W MH	**M102/M142**	120/277	1.40/0.61	167
Magnetic				
39W MH	**M130**	120/277	1.00/0.40	56
70W MH	**M98/M143**	120/277	1.90/0.80	94
100W MH	**M90/M140**	120/277	2.40/1.10	125
150W MH	**M102**	120/277	3.70/1.60	180
175W MH	**M57**	120/277	2.00/0.90	205
175W PS MH	**M137/M152**	120/277	2.20/0.90	205
250W MH	**M58**	120/277	2.60/1.10	290
250W PS MH	**M138/M153**	120/277	2.80/1.20	290
320W PS MH	**M132/M154**	120/277	3.40/1.50	370
400W MH	**M59**	120/277	3.90/1.70	460
400W PS MH	**M135**	120/277	4.10/1.80	465

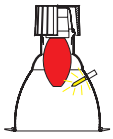
PS = Pulse Start

Field install in-line fuse kits (slow-blow) for HID metal halide magnetic ballast frame-in kits.

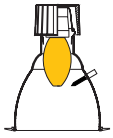
Lamp wattage	Ballast circuit	ANSI Code	Fuse rating 120V	Fuse rating 277V
50W	HX-HPF	M110, M148	3	2
70W	HX-HPF	M98, M143	4	2
100W	HX-HPF	M90, M140	6¼	3
150W	HX-HPF	M102, M142	10	4
175W	CWA	M57	5	3
175W	SCWA, Pulse Start	M137, M152	5	3
250W	CWA	M58	8	4
250W	SCWA, Pulse Start	M138, M153	8	3
320W	SCWA, Pulse Start	M132, M154	8	3
400W	CWA	M59	10	5
400W	SCWA, Pulse Start	M135, M155	10	4

Philips Lightolier Fuse kit catalog no.	Amps.
CAF2A	2
CAF3A	3
CAF4A	4
CAF5A	5
CAF6A	6¼"
CAF8A	8
CAF10A	10

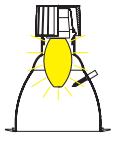
Mode of operation



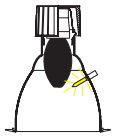
Initial start
HID lamp and tungsten halogen lamp both energized. HID lamp starts warming up; tungsten-halogen lamp at full output.



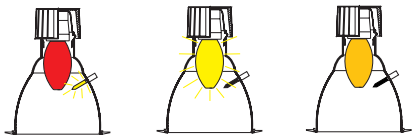
Partial warm-up
HID lamp reaches approximately 60% light output; tungsten-halogen lamp switched off.



Full warm-up
HID lamps at 100% light output.



"Hot" restart
HID lamp and tungsten-halogen lamp both energized. HID lamp too hot to start; tungsten-halogen lamp at full output. After HID lamp cools down and starts, cycle begins as in "Initial Start" above.



Features

HID: Many Calculite HID downlights are available with an Auxiliary or Emergency tungsten-halogen double-contact socket as a standard variant. Refer to specification sheet A/E for details.

Electronic ballast for metal halide fixtures: Electronic ballasts are available on many 20W-150W Metal Halide frames and cylinders. The standard Electronic HID Metal Halide ballast uses low frequency, constant wattage square wave technology. The benefits of a stable power source are longer lamp life and greater color stability. In addition, Low starting currents permit more luminaries on a single circuit.

Auxiliary lighting for recessed HID luminaires (A): HID lamps require a "warm-up" period of 5 to 10 minutes to reach full output. Additionally, when these lamps are extinguished they must cool for 5 to 15 minutes before they will relight. Outage can be caused by momentary power failure, substantial voltage reduction or cycle changes.

To provide a minimum level of illumination, a double-contact socket and solid-state switching device, (for use with a 120V tungsten-halogen lamp) operate during initial HID lamp warm-up, or cool-off-and-restart period.

The tungsten-halogen lamp remains on until the HID lamp reaches approximately 60% of its light output.

Note: The auxiliary is not emergency lighting and will only operate when there is power to the luminaire. The AUX system is available for magnetic ballast either 120V or 277V branch circuits with a ballast tap supplying 120V to the tungsten-halogen lamp. 120V electronic ballast can be operated with 120V branch circuit. For 277V, electronic, consult factory.

Emergency lighting for recessed HID luminaires (E): A tungsten-halogen lampholder, (without the switching device) prewired with #18AWG SF2 leads in a 5/16" x 26" long flexible greenfield cable, is provided with the luminaire for attachment to an AC 60 cycle power supply. Power supply by others.

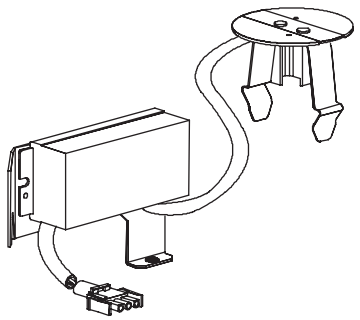
Starting conditions: All magnetic ballasts operate with a starting current, considerably more than the operating current, circuits should be sized accordingly.

Color Shift: All Metal Halide lamps experience color shifts as they age. Color shift may be exacerbated by input voltage variation. And there may be some initial variation i.e. new lamps as well. This is a general characteristic of the source itself and should be considered when selecting the lighting system.

Maximum tungsten-halogen lamp wattage

HID Lamp	Tungsten-halogen Lamp T-4, 120V double-contact
39W-150W	100W
175W	150W
250W-400W*	150W

*250W-400W Metal Halide Calculite with optional Auxiliary Lighting or Emergency Lamp bears a Marked Spacing label indicating that the luminaire is not for residential use and that specified spacings must be maintained between:



CFL conversion kits

Compact fluorescent conversion kit converts previously installed incandescent Frame-In Kits to optically correct triple tube compact fluorescent downlights, without the cost of rewiring or reworking the ceiling. Calculite conversion kits properly position the standard (not self ballasted) lamp above the ceiling for effective glare control. Precise optics, thermal engineering and electronic ballasts assure high light output.

Separate ballast attaches to the previously installed frame. Socket cup snaps onto fluorescent reflectors for correct lamp focus. Electronic ballast for 120 volts only. Soft, non-pulsating starting down to 0°F.

Evolution 2" thick ceiling adapters (4 ½" & 6")

C4TCA2

Frames	Trims
C4LVMU	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4AICLVM1	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4ALVMU	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4LVE1	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW
C4LVE2	C4MRA, C4MR2, C4MRP, C4MRGD, C4MRGA, C4MRW

C4TCA

Frames	Trims
C4120	C4P20A, C4P20GD, C4P20GA
C4A120	C4P20A, C4P20GD, C4P20GA
C4AIC	C4P20A, C4P20GD, C4P20GA

Note: Max Wattage allowed may be restricted with the use of thick ceiling adapters, see specification sheets for details.

C6TCAA

For use with Evolution 6" aperture adjustable accent fixtures

Compatibility matrix

Frames	Trims
C6LV	C6P36A
C6ALV	C6P36A
C6AICLV	C6P36A
C6120	C6P30A
C6A120	C6P30A
C6D120	C6P38A
C6DA120	C6P38A
C6AIC*	C6P30A
C6DAIC*	C6P38A

*No Thru Circuit Wiring

C6TCAD

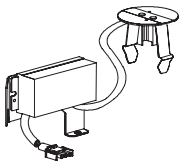
For use with Evolution 6" aperture downlight fixtures

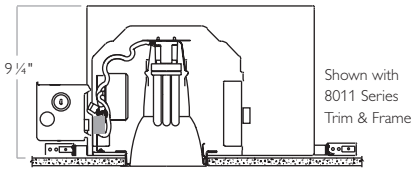
Compatibility matrix

Frames	Trims
C6120	C6AD, C6P30D, C6AW
C6A120	C6AD, C6P30D, C6AW
C6D120	C6AD, C6P38D, C6AW
C6DA120	C6AD, C6P38D, C6AW
C6AIC	C6AD, C6P30D, C6AW
C6DAIC	C6AD, C6P38D, C6AW

4 ½" Aperture, IC conversion kit

18 Watt triple tube





For photometric information, see separate trim specification sheets.

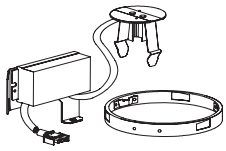
How to specify

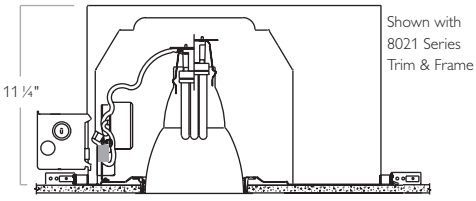
Frame	Conversion kit	Trim	Description
C4AIC	C4CFL18	8011	Vertical triple tube downlight
C4AIC	C4CFL18	8011WW	Vertical triple tube wall washer

Note: Also compatible with C4120 (Non-IC) and C4A120 (Non-IC Airseal®)

6" Aperture, IC conversion kit

26 or 32 Watt triple tube





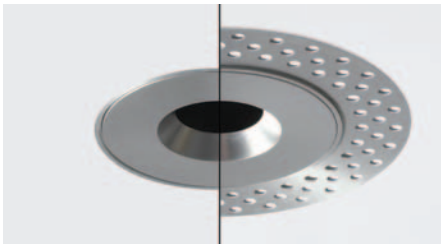
For photometric information, see separate trim specification sheets.

How to specify

Frame	Conversion Kit	Trim	Description
C6DAI	C6CFL32	8021	Vertical triple tube downlight
C6DAIC	C6CFL32	8021WW	Vertical triple tube wall washer
C6DAIC	C6CFL32	8091	Lensed downlight
C6DAIC	C6CFL32	8091CB	Cross blade downlight
C6DAIC	C6CFL32	8046	Lensed wall washer
C6DAIC	C6CFL32	8031	Horizontal triple tube downlight

Note: Also compatible with C6D120 (Non-IC) and C6DA120 (Non-IC Airseal®)

Pinhole finishes



CA3FMR 3" Evolution Flangeless Trim Accessory Ring
Machined aluminum accessory ring (ordered separately) is used with 3" aperture flangeless trims (FT suffix) to provide a flush custom installation. After the frame-in kit is installed, the flangeless ring is inserted into the ceiling opening and the flange is plastered over, feathered, sanded and finished.

SA Satin aluminum
Satin aluminum, knife-edged pinhole aperture with matching flange.

BK Black
Matte black, knife-edged pinhole aperture with matte white flange.

WH White
Matte white, knife-edged pinhole aperture with matching flange.

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Philips Lightolier offers a wide selection of specification downlights engineered for flexibility, value and ease of installation.

Contents

Xceed LED > 1.164
Xceed compact fluorescent > 1.168
Uniframe LED > 1.176
Uniframe compact fluorescent > 1.182
Uniframe HID > 1.194
Lytecaster performance incandescent > 1.202
Ardee Focus & Varianti > 1.208
Ardee ModuleX M3 > 1.216
Ardee MatreX > 1.230
Ardee Indigo > 1.235
Ardee Hover CF > 1.238
LytePoints low voltage luminaires > 1.244
Lytepoints accessories > 1.269

Lytecaster

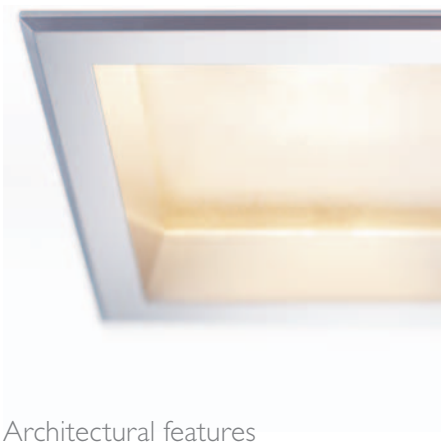
Lytecaster offers an extremely wide and useful range of downlights, wall washers and accent lights for residential and light commercial applications.

Lytecaster specification grade families include Xceed and Uniframe, Lytecaster can provide general lighting, wall washing, accent lighting and task lighting. Lytecaster's optically designed reflectors provide glare control and light output.

All Lytecaster downlights are also designed to be easily installed, with a host of features that allow fast, consistent installations every time.

Contents

Xceed LED > 1.164
Xceed compact fluorescent > 1.168
Uniframe LED > 1.176
Uniframe compact fluorescent > 1.182
Uniframe HID > 1.194
Lytecaster Performance incandescent > 1.202



Xceed LED & CFL

Round or square

The Xceed LED and CFL fixtures offer the shallowest housing in their category. Period.

Architectural features

- Round or square aperture; 5 5/16"
- Energy-efficient LED & CFL options
- Shallow 3½" fixture depth
- Downlight, wall wash and sloped ceiling trims
- Standard wet location listed
- Energy Star & California Title 24 options

Installation convenience

- CFL option ships with 2700K or 3500K lamp
- LED 50,000 life (L70) based on IESNA-LM80-2008
- Twist and lock CFL lamp holder for easy replacement
- Offset aperture for near-joist installation
- Swivel lock mounting bars.
- Offset aperture hole for installation close to joists.

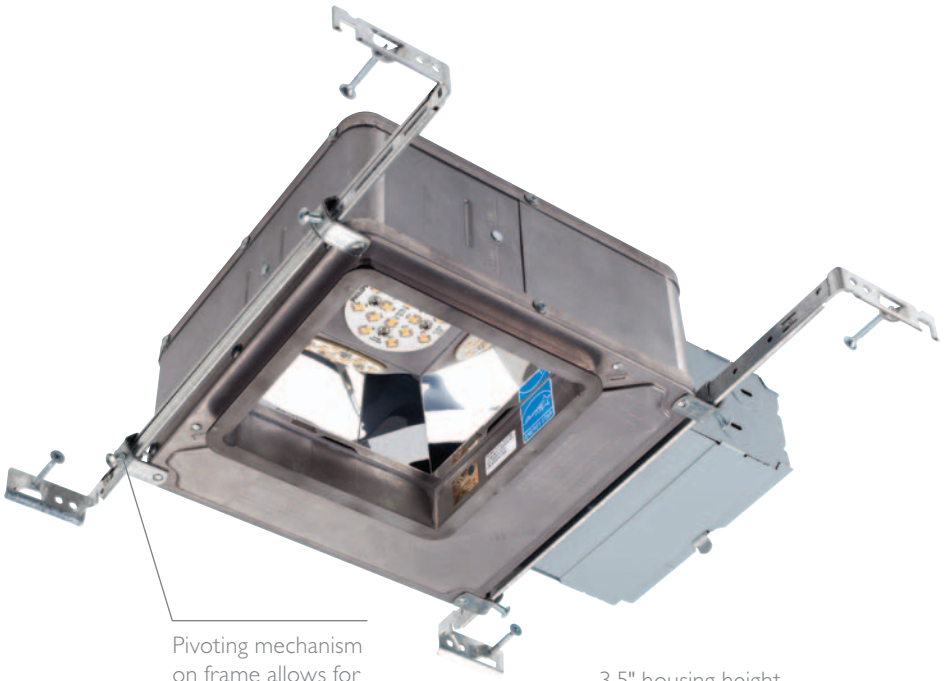
Performance

- 82 CRI LED option
- Integral glass diffusion lenses
- CFL dimming to 15%
- LED dimming to 10%

Dimming range

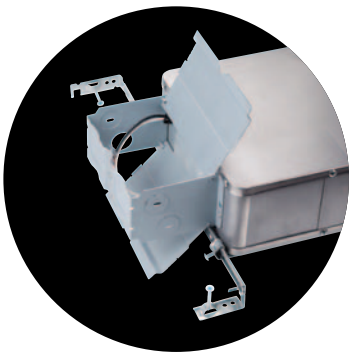
LED: 100% – 10% CFL: 100% – 15%

See specification sheet(s) for dimmer compatibility.

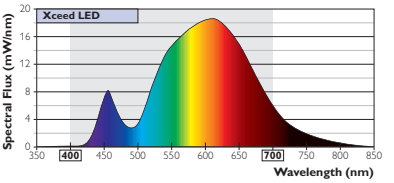


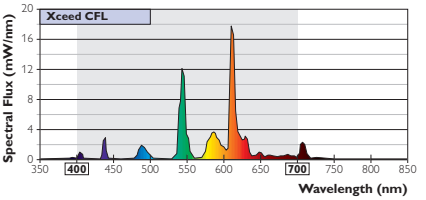
Pivoting mechanism on frame allows for 90° adjustment of mounting bar.

3.5" housing height



Innovative top/bottom junction access allows for easy wiring and installation.





LED specific test data

Independent test data

LM-79 Electrical and photometric measurements of solid-state lighting products

An IES-approved method to quantify the performance of the fixture's total luminous flux, luminous efficacy (l/w), luminous intensity (candelas) and chromaticity, CRI and color temperature.

This method specifies that products should be tested with absolute rather than relative photometry. Absolute photometry takes into account the performance of the LEDs as used in a particular fixture in it's production configuration. The impact of the fixture's orientation and thermal management is accounted for in this method.

LM-80 measuring lumen maintenance of LED light sources

An IES-approved method to determine the lumen maintenance of LED light sources.

The LED manufacturers provide life ratings for individual LED's at specific drive currents and operating temperatures.

In turn, the luminaire manufacturer measures the drive current and temperature in their LED fixture. The data is crossed to estimate LED life in a fixture.

L70 is the life at which the fixture delivers 70% of initial light output.

Xceed LED IC housing

5" Round frame-in kits

Lytecaster Xceed provides all the benefits of LED technology in spaces that require insulation. With its insulated ceiling design and AirSeal® compatibility out of the box, this frame is ideal for residential and hospitality settings. Its unique 3.5" shallow design allows it to fit in almost any ceiling and is available in a warm 2700K color temperature.

5" Xceed LED new construction IC - 600 lumen

Xceed LED is a three part system. The frame system consists of a frame-in kit and a light engine component. Once selected, choose from any trim to complete your product.

1. Select frame
2. Add light engine
3. Choose trim (p. 1.167)

Designed for new construction where insulation will be installed. IC housings designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1 1/2" thick. Pivoting bar-ends and pre installed mounting screws/nails are standard.

AirSeal® complies with MEC and WSEC air leakage requirements when installed as instructed. UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories

Xceed 600 lumen frames - round

Catalog no.		Input	Wattage	Lumen	Dimming signal
1050LRN06D1	600lm frame, round, dimming, 120v	120v	16W	600	Electronic low voltage
1050LRN06D1N	600lm frame, round, dimming, preset nails, 120v	120v	16W	600	Electronic low voltage

Xceed 600 lumen light engines - round

Catalog no.		Input	Wattage	Lumen	Color
1050LRN0627	LED Light engine, 600lm, round, 2700K	120v	16W	600	2700K
1050LRN0635	LED Light engine, 600lm, round, 3500K	120v	16W	600	3500K

Xceed 900 lumen frames - round

Catalog no.		Input	Wattage	Lumen	Dimming signal
1050LRN09D1	900lm frame, round, dimming, 120v	120v	20W	900	Electronic low voltage
1050LRN09D1N	900lm frame, round, dimming, preset nails, 120v	120v	20W	900	Electronic low voltage

Xceed 900 lumen light engines - round

Catalog no.		Input	Wattage	Lumen	Color
1050LRN0927	LED Light engine, 900lm, round, 2700K	120v	20W	900	2700K
1050LRN0935	LED Light engine, 900lm, round, 3500K	120v	20W	900	3500K

Xceed LED trims

5" Round trims

Xceed's optics are ideal for both residential and light commercial applications. These dedicated optics have been designed for performance around energy efficient LED sources. Xceed trims provide excellent shielding and performance by using a high transmission Solite lens that diffuses the light source while directing light out of the fixture.

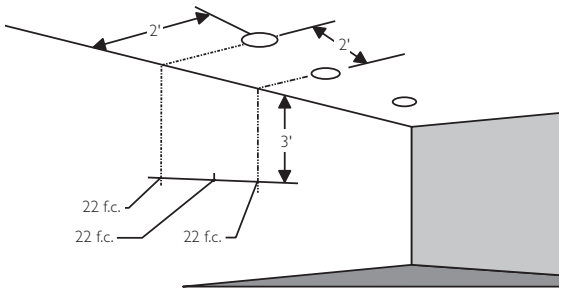
5" Xceed lensed downlight - round

Catalog no.	Description
1050LRNDLWB	White baffle, white flange
1050LRNDLCDW	Clear diffuse, white flange
1050LRNDLCDP	Clear diffuse, clear diffuse flange
1050LRNDLWC	White cone, white flange

5" Xceed lensed slope / wall wash - round

Catalog no.	Description
1050LRNSLWWB	White baffle, white flange
1050LRNSLWCDW	Clear diffuse, white flange
1050LRNSLWCDP	Clear diffuse, clear diffuse flange
1050LRNSLWWC	White cone, white flange

Reference data	
Reflector	1050LRNSLWWB - 900lm
CCT	3500K LED
Luminaire lumens	967
Efficacy	49 lm/w



Multiple units - Footcandles on wall
2' from wall - 2' on center

Distance from ceiling in Feet	<- - - 2' - - ->		
1	22	22	22
2	30	30	30
3	[22]	[22]	[22]
4	15	15	15
5	10	10	10
6	7	7	7
7	5	5	5
8	4	4	4
9	3	3	3
10	2	2	2

Multiple units - Footcandles on wall
3' from wall - 3' on center

Distance from ceiling in Feet	<- - - 3' - - ->		
1	6	5	6
2	13	11	13
3	[13]	[13]	[13]
4	11	11	11
5	9	9	9
6	7	7	7
7	5	5	5
8	4	4	4
9	3	3	3
10	2	2	2

Xceed LED IC housing

5" Square frame-in kits

Lytecaster Xceed provides all the benefits of LED technology in spaces. With its insulated ceiling rating, AirSeal® compatibility, and its exceptionally shallow3.5" height it fits in almost any ceiling. It is available in a warm 2700K color temperature or a cooler 3500K color temperature with an 80+ CRI.

5" Xceed LED new construction IC - 900 lumen

Xceed LED is a three part system. The frame system consists of a frame-in kit and a light engine component, and a trim.

1. Select frame
2. Add light engine
3. Choose trim (p. 1.167)

Designed for new construction where insulation will be installed. IC housings are designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1 1/2" thick. Pivoting bar-ends and pre installed mounting screws/ nails are standard. AirSeal® complies with MEC and WSEC air leakage requirements when installed as instructed. UL listed for through wiring. Mounting bars lock to T-bar ceiling runners without accessories

Xceed 600 lumen frames - square

Catalog no.		Input	Wattage	Lumen	Dimming signal
1050LSQ06D1	600lm frame, square, dimming, 120v	120v	16W	600	Electronic low voltage
1050LSQ06D1N	600lm frame, square, dimming, preset nails, 120v	120v	16W	600	Electronic low voltage

Xceed 600 lumen light engines - square

Catalog no.		Input	Wattage	Lumen	Color
1050LSQ0627	LED Light engine, 600lm, square, 2700K	120v	16W	600	2700K
1050LSQ0635	LED Light engine, 600lm, square, 3500K	120v	16W	600	3500K

Xceed 900 lumen frames - square

Catalog no.		Input	Wattage	Lumen	Dimming signal
1050LSQ09D1	900lm frame, square, dimming, 120v	120v	20W	900	Electronic low voltage
1050LSQ09D1N	900lm frame, square, dimming, preset nails, 120v	120v	20W	900	Electronic low voltage

Xceed 900 lumen light engines - square

Catalog no.		Input	Wattage	Lumen	Color
1050LSQ0927	LED Light engine, 900lm, square, 2700K	120v	20W	900	2700K
1050LSQ0935	LED Light engine, 900lm, square, 3500K	120v	20W	900	3500K

Xceed LED trims

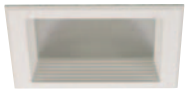
5" Square trims

Lytecaster Xceed's optics are ideal for both residential and light commercial applications. These dedicated optics have been designed for performance around energy efficient LED sources. Xceed trims provide excellent shielding and performance and use a high transmission Solite lens that diffuses for an incandsescent like diffusion quality.

5" Xceed lensed downlight - square

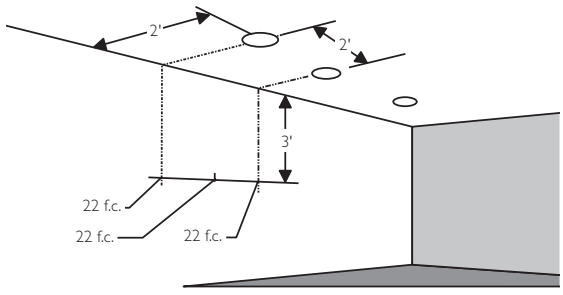
Catalog no.	Description
1050LSQDLWB	White baffle, white flange
1050LSQDLCDW	Clear diffuse, white flange
1050LSQDLCDP	Clear diffuse, clear diffuse flange
1050LSQDLWC	White cone, white flange

5" Xceed lensed slope / wall wash - square



Catalog no.	Description
1050LSQSLWWB	White baffle, white flange
1050LSQSLWCDW	Clear diffuse, white flange
1050LSQSLWCDP	Clear diffuse, clear diffuse flange
1050LSQSLWWC	White cone, white flange

Reference data	
Reflector	1050LSQSLWWB - 900lm
CCT	3500K LED
Luminaire lumens	967
Efficacy	49 lm/w

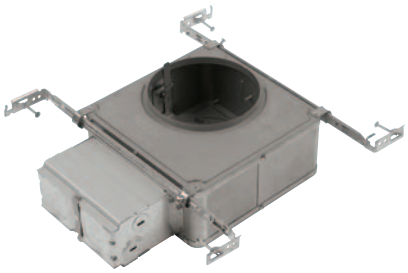


Multiple units - Footcandles on wall
2' from wall - 2' on center

Distance from ceiling in Feet	<- - - 2' - - ->		
1	22	18	22
2	33	31	33
3	26	25	26
4	18	18	18
5	13	9	13
6	9	7	9
7	7	5	7
8	5	6	5
9	4	5	4
10	3	4	3

Multiple units - Footcandles on wall
3' from wall - 3' on center

Distance from ceiling in Feet	<- - - 3' - - ->		
1	6	6	6
2	12	12	12
3	14	14	14
4	12	12	12
5	10	10	10
6	8	8	8
7	6	6	6
8	5	5	5
9	4	4	4
10	3	3	3



Xceed CFL IC housings

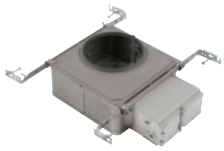
5" Round shallow frame-in kits

Our fixtures don't just utilize the most efficient light sources, they are carefully designed around them to provide the highest light output while maintaining shielding for comfortable, glare-free installations.

Insulated ceiling compact fluorescent

Lytecaster Xceed Compact Fluorescent provides all the benefits of compact fluorescent lighting in spaces that require insulation. With its Insulated ceiling design and AirSeal® compatibility out of the box, this frame is ideal for residential and hospitality settings. Philips Lightolier compact fluorescent downlights can either correspond to warm 2700K sources, ideal for residential applications, or cooler 3500K lighting for light commercial applications.

5" Xceed low profile IC AirSeal® new construction (1-light, round)



Cut out	5-5/16"
Width	8-1/4"
Length	8-5/16"
Depth	3-1/2"

ENERGY STAR CA Title 24

*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

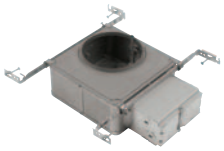
1050RN13ES*	13w Triple GX24q-1 Base
1050RN18ES*	18w Triple GX24q-2 Base
1050RN26ES*	26w Triple GX24q-3 Base

Input power Frame-in kit	Total watts	Amp (120V)
1050RN13ES	30	.25
1050RN18ES	41	.34
1050RN26ES	48	.40

Specifically designed to provide all the value and functionality of traditional incandescent sources using energy efficient compact fluorescent sources.

- A 2700K or 3500K lamp is included with every frame

5" Xceed low profile IC AirSeal® new construction – dimming (1-light, round)



Cut out	5-5/16"
Width	8-1/4"
Length	8-5/16"
Depth	3-1/2"

ENERGY STAR CA Title 24

*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options. Please consult frame specification sheet for all compatible dimmers.

1050DRN26ES*	26w Triple GX24q-3 Base

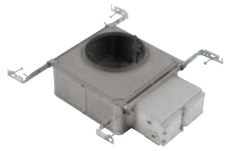
Input power Frame-in kit	Total watts	Amp (120V)
1050DRN26ES	28	.23

Ballast: Mounted inside Junction Box

- 120V NPF Energy Star® approved Electronic Ballast
- Instant start with end of lamp life protection, class "P" thermal protection with a class "A" sound rating
- Dims to approx. 20%
- Min. starting temperature is 50°F (10°C)
- Dimming allows precise adjustment of light levels and increased energy savings and lamp life

- Outperforms the industry standard 65 watt BR30 by up to 30%
- Flicker free, quick start lamp is completely shielded for visual comfort

5" Xceed low profile Non-IC AirSeal® new construction-commercial (1-light, round)



Cut out	5-5/16"
Width	8-1/4"
Length	8-5/16"
Depth	3-1/2"

*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

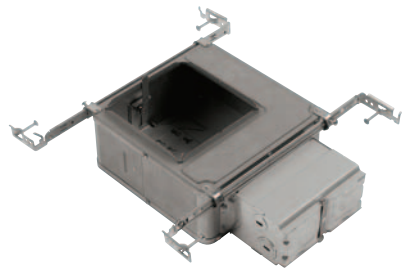
1050RN13CMU	13w Triple GX24q-1 Base
1050RN18CMU	18w Triple GX24q-2 Base
1050RN26CMU	26w Triple GX24q-3 Base

Input power Frame-in kit	Total watts	Amp (120V)
1050RN13CMU	16	.13 / .06
1050RN18CMU	20	.17 / .08
1050RN26CMU	29	.24 / .11

- Commercial version provides a universal 120/277V HPF ballast

- Unique design focuses on ease of installation and maintenance
- Only 3 1/2" high, installs in shallow plenums and can be wall mounted

Xceed CFL IC housing

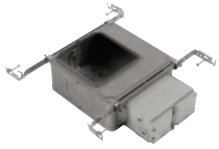


5" Square shallow frame-in kits

Xceed is Energy Star® and California Title 24 compliant.
Energy Star® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy. This program helps identify those products that have been designed to meet a certain criteria in energy efficiency. In 2007 Energy Star® products avoided greenhouse gas emissions equivalent to those from 27 million cars — all while saving $16 billion in utility bills.

California Title 24 (Energy Conservation Act) is a building regulation that establishes standards and construction requirements to conserve energy. The standards include not-to-be-exceeded specifications for areas of the home directly impacting energy. Lighting in almost every room must be energy efficient (high efficacy) lighting, such as compact fluorescent or have some type of automatic lighting control.

5" Xceed low profile IC AirSeal® new construction (1-light, square)



Cut out	5-5/16"
Width	8-1/4"
Length	8-5/16"
Depth	3-1/2"

ENERGY STAR CA Title 24

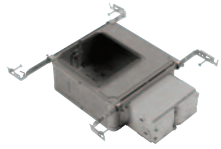
*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

1050SQ13ES*	13w Triple GX24q-1 Base
1050SQ18ES*	18w Triple GX24q-2 Base
1050SQ26ES*	26w Triple GX24q-3 Base

Input power Frame-in kit	Total watts	Amp (120V)
1050SQ13ES	30	.25
1050SQ18ES	41	.34
1050SQ26ES	48	.40

Specifically designed to provide all the value and functionality of traditional incandescent sources using energy efficient compact fluorescent sources.
- A 2700K or 3500K lamp is included with every frame

5" Xceed low profile IC AirSeal® new construction – dimming (1-light, square)



Cut out	5-5/16"
Width	8-1/4"
Length	8-5/16"
Depth	3-1/2"

ENERGY STAR CA Title 24

*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options. Please consult frame specification sheet for all compatible dimmers.

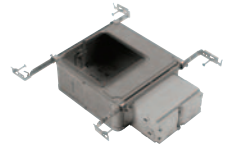
1050DSQ26ES*	26w Triple GX24q-3 Base

Input power Frame-in kit	Total watts	Amp (120V)
1050DSQ26ES	28	.23

Ballast: Mounted inside Junction Box
- 120V NPF Energy Star® approved Electronic Ballast
- Instant start with end of lamp life protection, class "P" thermal protection with a class "A" sound rating
- Dims to approx. 20%
- Min. starting temperature is 50°F (10°C)
- Dimming allows precise adjustment of light levels and increased energy savings and lamp life

- Outperforms the industry standard 65 watt BR30 by up to 30%
- Flicker free, quick start lamp is completely shielded for visual comfort

5" Xceed low profile Non-IC AirSeal® new construction-commercial (1-light, square)



Cut out	5-5/16"
Width	8-1/4"
Length	8-5/16"
Depth	3-1/2"

*All frames come standard with preset mounting screws and a 2700K lamp. Models are available with preset nails and/or a 3500K lamp (13ES = 2700K only). Simply add an N and/or 35 to the end of the model number for those options.

1050SQ13CMU	13w Triple GX24q-1 Base
1050SQ18CMU	18w Triple GX24q-2 Base
1050SQ26CMU	26w Triple GX24q-3 Base

Input power Frame-in kit	Total watts	Amp (120/277V)
1050SQ13CMU	16	.13 / .06
1050SQ18CMU	20	.17 / .08
1050SQ26CMU	29	.24 / .11

- Commercial version provides a universal 120/277V HPF ballast

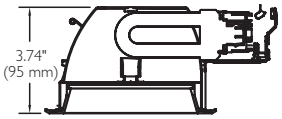
- Unique design focuses on ease of installation and maintenance
- Only 3 1/2" high, installs in shallow plenums and can be wall mounted

Xceed CFL trims

5" Round trims

Xceed's optics are ideal for both residential and light commercial applications. These dedicated optics have been designed for performance around energy efficient compact fluorescent lamps. In fact, Xceed trims provide up to 30% more light than a 65W BR30 lamp. Xceed trims provide superior cut-off, shielding and performance by using a high transmission lens and horizontal lamping. Available in several popular finishes and two lens styles; solite and frosted solite glass.

5" Xceed lensed downlight - round



Catalog no.	Description
1050RNDLWB	White baffle, white flange
1050RNDLCDW	Clear diffuse, white flange
1050RNDLCDP	Clear diffuse, clear diffuse flange
1050RNDLWDW	Warm diffuse, white flange
1050RNDLWDP	Warm diffuse, warm diffuse flange
1050RNDLWC	White cone, white flange
1050RNDLFGWB	White baffle, white flange, frosted glass
1050RNDLFGCDW	Clear diffuse, white flange, frosted glass
1050RNDLFGCDP	Clear diffuse, clear diffuse flange, frosted glass
1050RNDLFGWDW	Warm diffuse, white flange, frosted glass
1050RNDLFGWDP	Warm diffuse, warm diffuse flange, frosted glass
1050RNDLFGWC	White cone, white flange, frosted glass

Frame-in kit	Wattage	Lamping
1050RN13ES Series	13w	(1) Triple
1050RN18ES Series	18w	(1) Triple
1050RN26ES Series	26w	(1) Triple
1050DRN26ES Series	26w	(1) Triple
1050RN13CMU Series	13w	(1) Triple
1050RN18CMU Series	18w	(1) Triple
1050RN26CMU Series	26W	(1) Triple

Reference data	
Reflector	1050RNDLWB
Lamp	18W Triple
Lamp lumens	1200
Efficiency	54.0%
Spacing criteria	1.3

Application data Single unit data 26W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	8	8'
7'	6	9'
8'	4	10'

Beam diameter is where foot-candles drop to 50% of maximum.

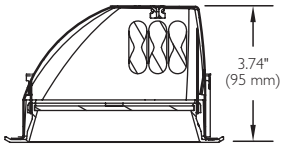
Xceed CFL trims

5" Round trims

Xceed optics are specifically designed to maximize performance:

- Uses 70% less energy than standard incandescent light bulbs
- High transmission lens increases performance while shielding the lamp from view

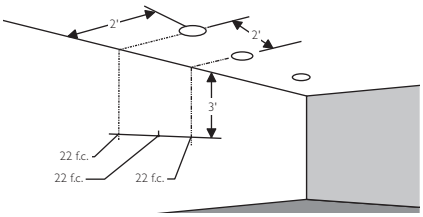
5" Xceed lensed slope / wall wash - round



Catalog no.	Description
1050RNSLWWB	White baffle, white flange
1050RNSLWCDW	Clear diffuse, white flange
1050RNSLWCDP	Clear diffuse, clear diffuse flange
1050RNSLWWDW	Warm diffuse, white flange
1050RNSLWWDP	Warm diffuse, warm diffuse flange
1050RNSLWWC	White cone, white flange
1050RNSLWFGWB	White baffle, white flange, frosted glass
1050RNSLWFGCDW	Clear diffuse, white flange, frosted glass
1050RNSLWFGCDP	Clear diffuse, clear diffuse flange, frosted glass
1050RNSLWFGWDW	Warm diffuse, white flange, frosted glass
1050RNSLWFGWDP	Warm diffuse, warm diffuse flange, frosted glass
1050RNSLWFGWC	White cone, white flange, frosted glass

Frame-in kit	Wattage	Lamping
1050RN13ES Series	13w	(1) Triple
1050RN18ES Series	18w	(1) Triple
1050RN26ES Series	26w	(1) Triple
1050DRN26ES Series	26w	(1) Triple
1050RN13CMU Series	13w	(1) Triple
1050RN18CMU Series	18w	(1) Triple
1050RN26CMU Series	26W	(1) Triple

Reference data	
Reflector	1050RNSLWWB
Lamp	18W Triple
Lamp lumens	1200
Efficiency	47.9%
Spacing criteria	1.3



Multiple units - Footcandles on wall
2' from wall - 2' on center

Distance from ceiling in Feet	<- - - 2' - - ->		
1	22	22	22
2	30	30	30
3	22	22	22
4	15	15	15
5	10	10	10
6	7	7	7
7	5	5	5
8	4	4	4
9	3	3	3
10	2	2	2

Multiple units - Footcandles on wall
3' from wall - 3' on center

Distance from ceiling in Feet	<- - - 3' - - ->		
1	6	5	6
2	13	11	13
3	13	13	13
4	11	11	11
5	9	9	9
6	7	7	7
7	5	5	5
8	4	4	4
9	3	3	3
10	2	2	2

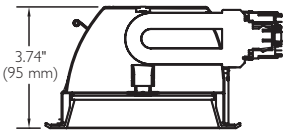
Xceed CFL trims

5" Square trims

Trims available include downlight and wall wash: All UL wet location listed trims.

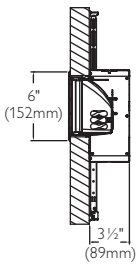
- Performance trims offer superior efficiencies: 65% Square, 55% Round
- Available in matte white cone or baffle, clear diffuse and our new warm diffuse finish
- New Indirect trim provides up-lighting or step lighting in one trim style
- Polished flanges available in both round and square trims

5" Xceed lensed downlight - square



Catalog no.	Description
1050SQDLWB	White baffle, white flange
1050SQDLCDW	Clear diffuse, white flange
1050SQDLCDP	Clear diffuse, clear diffuse flange
1050SQDLWDW	Warm diffuse, white flange
1050SQDLWDP	Warm diffuse, warm diffuse flange
1050SQDLWC	White cone, white flange
1050SQDLFGWB	White baffle, white flange, frosted glass
1050SQDLFGCDW	Clear diffuse, white flange, frosted glass
1050SQDLFGCDP	Clear diffuse, clear diffuse flange, frosted glass
1050SQDLFGWDW	Warm diffuse, white flange, frosted glass
1050SQDLFGWDP	Warm diffuse, warm diffuse flange, frosted glass
1050SQDLFGWC	White cone, white flange, frosted glass

Frame-in kit	Wattage	Lamping
1050SQ13ES Series	13w	(1) Triple
1050SQ18ES Series	18w	(1) Triple
1050SQ26ES Series	26w	(1) Triple
1050DSQ26ES Series	26w	(1) Triple
1050SQ13CMU Series	13w	(1) Triple
1050SQ18CMU Series	18w	(1) Triple
1050SQ18CMU Series	18w	(1) Triple
1050SQ26CMU Series	26w	(1) Triple



Reference data

Reflector	1050SQDLWB
Lamp	18W Triple
Lamp lumens	1200
Efficiency	65.4%
Spacing criteria	1.3

Application data Single unit data 26W

Height to Lighted plane	initial center beam foot-candles	beam diameter
6'	10	8'
7'	8	9'
8'	6	10'

Beam diameter is where foot-candles drop to 50% of maximum.

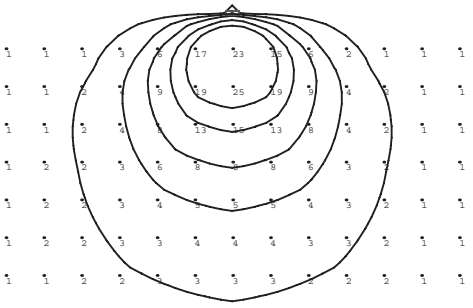
5" Xceed lensed step light / indirect light-square

Catalog no.	Description
1050SQINFBW	Lensed square indirect flush - white

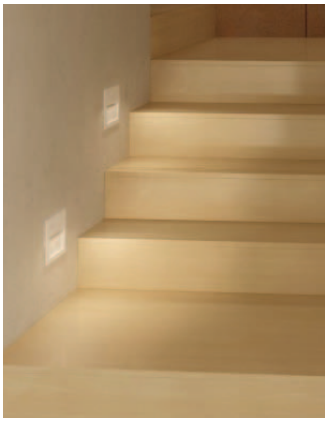
Reference data

Reflector	1050SQINFBW
Lamp	26W Triple
Lamp lumens	1800
Efficiency	36.6%

Lighting Single Unit – Footcandles on Horizontal Surface (Plan View)
Luminaire 18" from Finished Surface 1 foot Grid Spacing



Initial footcandles, luminaire wall mounted 18" from horizontal surface, luminaire beam toward horizontal surface. Corridor is 8' wide by 8' high. Reflectances: 80% ceiling, 50% wall, 20% floor.



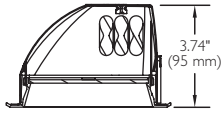
Xceed CFL trims

5" Square trims and wall wash

The ability of a product to perform while saving time and money is the key to providing value to all our customers. Xceed accomplishes this on several levels:

- Unique design focuses on ease of installation and maintenance
- A 2700K or 3500K lamp is included with every frame
- Out of the box, each frame is AirSeal®/insulated ceiling ready and is listed for both Energy Star® and Title 24

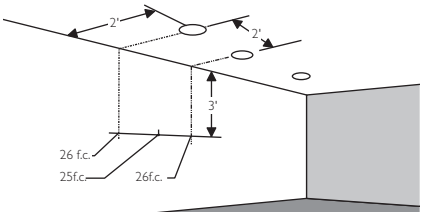
5" Xceed lensed slope / wall wash - square



Catalog no.	Description
1050SQSLWWB	White baffle, white flange
1050SQSLWCDW	Clear diffuse, white flange
1050SQSLWCDP	Clear diffuse, clear diffuse flange
1050SQSLWWDW	Warm diffuse, white flange
1050SQSLWWDP	Warm diffuse, warm diffuse flange
1050SQSLWWC	White cone, white flange
1050SQSLWFGWB	White baffle, white flange, frosted glass
1050SQSLWFGCDW	Clear diffuse, white flange, frosted glass
1050SQSLWFGCDP	Clear diffuse, clear diffuse flange, frosted glass
1050SQSLWFGWDW	Warm diffuse, white flange, frosted glass
1050SQSLWFGWDP	Warm diffuse, warm diffuse flange, frosted glass
1050SQSLWFGWC	White cone, white flange, frosted glass

Frame-in kit	Wattage	Lamping
1050SQ13ES Series	13w	(1) Triple
1050SQ18ES Series	18w	(1) Triple
1050SQ26ES Series	26w	(1) Triple
1050DSQ26ES Series	26w	(1) Triple
1050SQ13CMU Series	13w	(1) Triple
1050SQ18CMU Series	18w	(1) Triple
1050SQ26CMU Series	26w	(1) Triple

Reference data	
Reflector	1050SQSLWWB
Lamp	18W Triple
Lamp lumens	1200
Efficiency	47.9%
Spacing criteria	1.3



Multiple units - Footcandles on wall
2' from wall - 2' on center

Distance from ceiling in Feet	<- - - 2' - - ->		
1	22	18	22
2	33	31	33
3	26	25	26
4	18	18	18
5	13	9	13
6	9	7	9
7	7	5	7
8	5	6	5
9	4	5	4
10	3	4	3

Multiple units - Footcandles on wall
3' from wall - 3' on center

Distance from ceiling in Feet	<- - - 3' - - ->		
1	6	6	6
2	12	12	12
3	14	14	14
4	12	12	12
5	10	10	10
6	8	8	8
7	6	6	6
8	5	5	5
9	4	4	4
10	3	3	3

Uniframe series

LED, CFL, Metal halide and incandescent

Uniframe fixtures provide the project team with performance, flexibility, and ease of installation. Uniframe reflectors use specific trim/lamp combinations to maximize performance. Additionally the Uniframe housing is compatible with more than 60 standard Lytecaster trims.

Lytecaster Uniframe LED

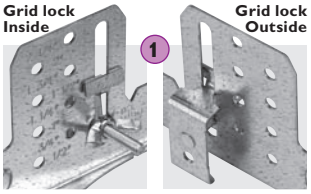
Uniframe sets the standard with the widest array of energy efficient products in the industry's easiest to install commercial design. Available in cutting edge LED technology, Uniframe is also available in HID and Compact Fluorescent lamp sources.

LED available in 900 lumens

- Tool-free installation
- 900 lumens replaces 75w incandescent
- Available in 5" & 6" apertures
- Uses 75% less energy than incandescent
- Use existing Lytecaster trims for added flexibility and ceiling consistency.
- Replace existing incandescent sources with comparable lighting and aesthetics

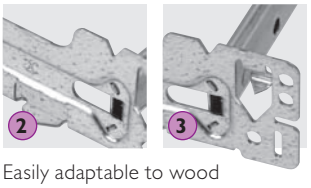
Uniframe LED provides all the great tool-free installation features of the original Uniframe product while providing 900 lumens of light using 75% less energy than comparable incandescent lamps.

Grid lock Inside / **Grid lock Outside**



Tool-free installation in grid ceiling. Automatically adjusts to any T-Bar height, width, and ceiling thickness with our new Grid-Lock™.

Joist finder / **Nailing tabs**



Easily adaptable to wood construction with integrated nailing tabs and vertical alignment tabs for standard joists and strapping.

T-Bar

Design secures tile down on T-Bar eliminating the tile floating upward during trim installation.

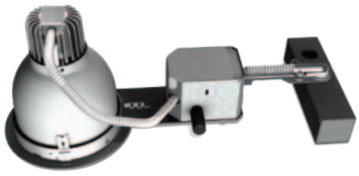
Adjustable

Easily adjusts from 16" O.C. wood joists to 24" O.C. T-Bar.

Horizontal adjustment

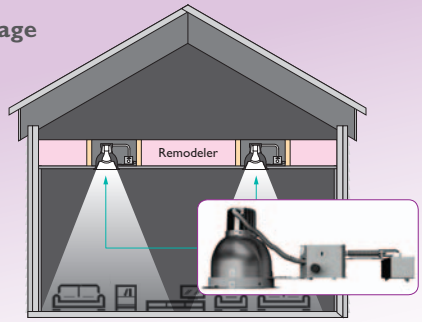
Locking mechanism eliminates frame movement.

Lytecaster remodeler LED



- Easily installs into existing ceilings
- Equal to a 75W incandescent
- Uses 75% less energy than incandescent
- Improved cut-off and optic performance
- Comparable design to our 5" 1003R / 6" 1103R remodeler

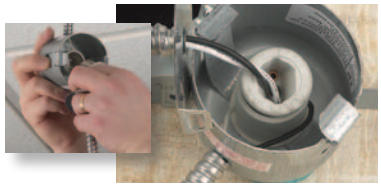
LED advantage



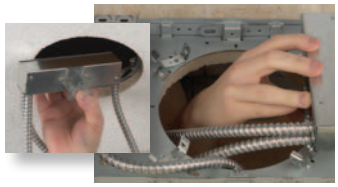
- ✓ Easily installs into existing ceilings from below.
- ✓ Add energy efficient lighting to any room.
- ✓ Replace existing fixtures with comparable lighting using a fraction of the energy.

Step 1 Remove the incandescent lamp and pull the existing trim down from the ceiling. Place the trim to the side.

Step 2 Attach the male screw shell to the lamp socket and secure to the socket cup.



Step 3 Install the LED driver onto the frame by sliding the driver clip under the frame.



Step 4 Install the heat sink into the trim and clip the wiring to the top of the heat sink. Lytecaster LED is compatible with dozens of existing trims.

Step 5 Push the trim back into the ceiling.

Retrofit kit provides the same light engine for installation in the 5" and 6" Lytecaster frames (1002P1 and 1102P1). See Standard Downlighting Section for this product.

- Tool-free installation
- Easily installs as a retrofit or as an energy efficient new construction downlight
- Uses 75% less energy than incandescent
- Dimming models use existing incandescent dimmer and wiring: saving money and labor
- Use existing Lytecaster trims for added flexibility and ceiling consistency.
- Replace existing incandescent sources with comparable lighting and aesthetics

Uniframe LED non-IC housing

5" & 6 3/4" Frame-in kits

Designed with the same features as the hugely successful Uniframe CFL, this model provides all the energy efficiency of our state of the art LED system and combines it with the revolutionary design of Uniframe. The result, a product that uses ⅓ the energy and installs in ½ the time of other frames… that's a winning combination!

5" Uniframe LED new construction non-IC – 900 lumen – housing

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Catalog no.	Color	Input	Wattage	Lumens*
1001LED09N271	2700K	120v	19W	900
1001LED09N272	2700K	277v	19W	900
1001LED09N351	3500K	120v	19W	900
1001LED09N352	3500K	277v	19W	900

Cut out	5 1/4"
Width	9"
Length	12 15/16"
Depth	See specification sheet

Add suffix "EM" for factory installed battery pack.

6 ¾" Uniframe LED new construction non-IC

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Catalog no.	Color	Input	Wattage	Lumens*
1101LED09N271	2700K	120v	19W	900
1101LED09N272	2700K	277v	19W	900
1101LED09N351	3500K	120v	19W	900
1101LED09N352	3500K	277v	19W	900

Cut out	6 15/16"
Width	9"
Length	12 15/16"
Depth	See specification sheet

Add suffix "EM" for factory installed battery pack.

6 ¾" Uniframe LED new construction non-IC - dimming

Catalog no.	Color	Input	Wattage	Lumens*
1101LED09N27D1	2700K	120v	23W	900
1101LED09N35D1	3500K	120v	23W	900

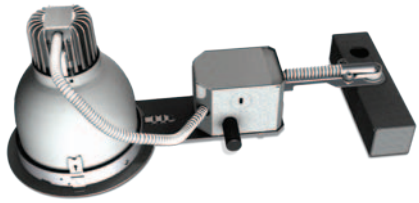
Cut out	6 15/16"
Width	9"
Length	12 15/16"
Depth	See specification sheet

LED remodeler housing

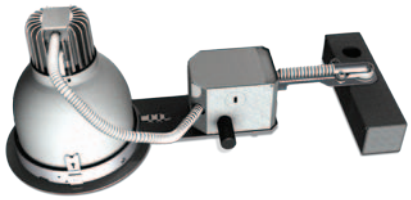
5" & 6 3/4" Remodeler frame-in kits

Designed to install in existing ceilings from below, this frame-in kit allows you to add state of the art LED technology to any space. The unique mounting ring securely holds to the ceiling while securing the trim for a flawless installation.

• Two-part system: Frame-in kit with integral light engine and trim



5" LED remodeler non-IC – housing



Catalog no.	Color	Input	Wattage	Lumens*
1000LED09R271	2700K	120v	19W	900
1000LED09R351	3500K	120v	19W	900

Cut out	5 1/2"
Width	6 13/32"
Length	16 13/16"
Depth	See specification sheet

Non-dimming

Input voltage	Input frequency	Max input current	Max input power	Max THD	Power factor	Minimum operating temperature
120V	50/60Hz	0.16	20W	< 20%	>.9	-20° C

5" LED remodeler non-IC – dimming**

Catalog no.	Color	Input	Wattage	Lumens*
1000LED09R27D1	2700K	120v	23W	900
1000LED09R35D1	3500K	120v	23W	900

Dimming

Input voltage	Input frequency	Max input current	Max input power	Max THD	Power factor	Minimum operating temperature	% minimum dimming
120V	50/60Hz	0.2	23W	< 20%	>.9	-20° C	< 5%

6 ¾" LED remodeler non-IC

Catalog no.	Color	Input	Wattage	Lumens*
1100LED09R271	2700K	120v	19W	900
1100LED09R351	3500K	120v	19W	900

Non-dimming

Input voltage	Input frequency	Max input current	Max input power	Max THD	Power factor	Minimum operating temperature
120V	50/60Hz	0.16	20W	< 20%	>.9	-20° C

6 ¾" LED remodeler non-IC – dimming**

Catalog no.	Color	Input	Wattage	Lumens*
1100LED09R27D1	2700K	120v	23W	900
1100LED09R35D1	3500K	120v	23W	900

Dimming

Input voltage	Input frequency	Max input current	Max input power	Max THD	Power factor	Minimum operating temperature	% minimum dimming
120V	50/60Hz	0.2	23W	< 20%	>.9	-20° C	< 5%

Designed for existing construction where insulation will not be installed. Pre-installed mounting straps secure flanged ring without tools and without damaging plaster or gypsum ceilings up to 2" thick. Junction box allows direct "daisy-chain" wiring to other fixtures. Tool-free cable clamps allow fast, convenient installation, for nonmetallic (Romex®) cable

Cut out	7 1/8"
Width	6 13/32"
Length	18 7/16"
Depth	See specification sheet

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

** See LED-DIM specification sheet for compatible dimmers.

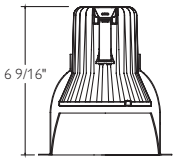
Uniframe LED trims

5" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes

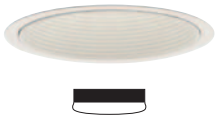
5" Aperture cone

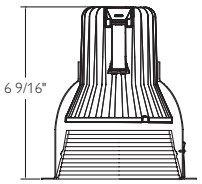


Reflector

1008	Brushed gold	**1008NM**	Brushed gold, natural metal flange
1010	Brushed clear	**1010NM**	Brushed clear, natural metal flange
1012	Specular gold	**1012NM**	Specular gold, natural metal flange
1013	Specular clear	**1013NM**	Specular clear, natural metal flange
1013BK	Specular black	**1013BKNM**	Specular black, natural metal flange
1013CD	Clear diffuse	**1013CDNM**	Clear diffuse, natural metal flange
1013WH	Matte white		

5" Step baffle

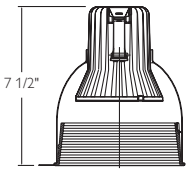




Reflector

1005	Matte black
1005WH	Matte white
1005NM	Matte black, natural metal flange
1005BNM	Natural metal baffle, natural metal flange

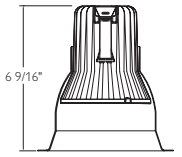
5" Basic baffle



Reflector

1076	Matte black
1076WH	Gloss white

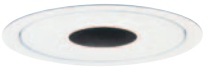
5" Basic white reflector

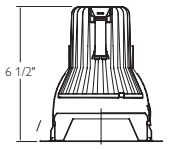


Reflector

1071	Perma white

5" Pinhole

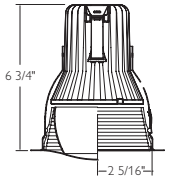




Reflector

1011	Matte white Faceplate

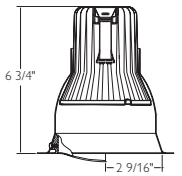
5" Step baffle wall washer



Reflector

1035	Matte black step baffle
1035WH	Matte white step baffle

5" Basic wall washer



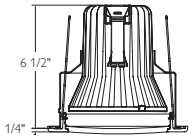
Reflector

1085	Gloss white

Uniframe LED trims

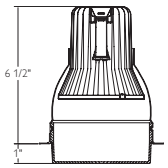
5" Trims

5" Lensed wet location



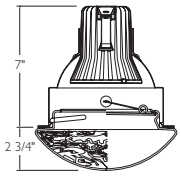
Reflector	
1090	Etch white

5" Opalex dropped wet location



Reflector	
1078	Lexan

5" Cratere Dome



Reflector	
1024	Cratere Glass

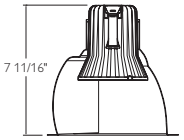
Uniframe LED trims

6 3/4" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

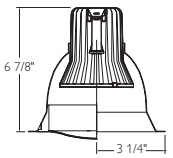
- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes

6 ¾" Basic eyelid wall washer



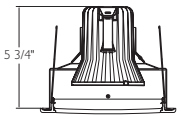
Reflector	
1195	Specular gold
1196	Specular clear
1196CD	Clear diffuse

6 ¾" Basic eyelid wall washer



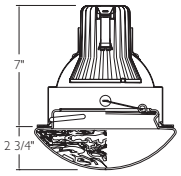
Reflector	
1185	Gloss white

6 ¾" Lensed wet location



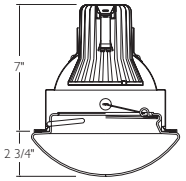
Reflector	
1190	Etch white

6 ¾" Cratere dome



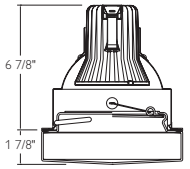
Reflector	
1124	Cratere glass

6 ¾" Opal dome



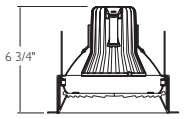
Reflector	
1134	Opal glass

6 ¾" Opal disk



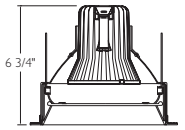
Reflector	
1121	Opal glass

6 ¾" Fresnel lenslite



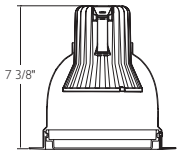
Reflector	
1126	Fresnel lens

6 ¾" White diffuser



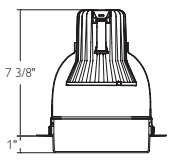
Reflector	
1128	White Diffuser

6 ¾" Opalex flush



Reflector	
1177SH	Lexan diffuser

6 ¾" Opalex dropped diffuser

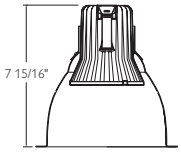


Reflector	
1178SH	Lexan Diffuser

Uniframe LED trims

6 3/4" Trims

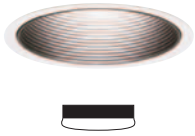
6 ¾" Deep anodized

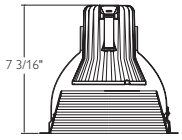


Reflector

1145	Specular gold
1146	Specular clear
1146CD	Clear diffuse

6 ¾" Step baffle

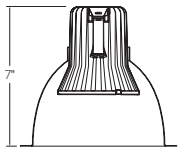




Reflector

1105	Matte black
1105NM	Matte black, natural metal flange
1105BNM	Natural metal baffle, natural metal flange
1105WH	Matte white

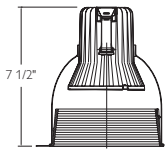
6 ¾" Shallow anodized



Reflector

1143	Specular gold
1144	Specular clear
1144CD	Clear diffuse

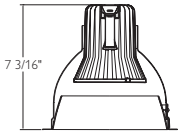
6 ¾" Basic baffle



Reflector

1176	Black
1176WH	Gloss white

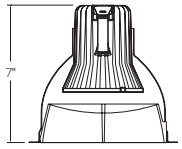
6 ¾" Aperture cone



Reflector

1108	Brushed gold	**1108NM**	Brushed gold, natural metal flange
1110	Brushed clear	**1110NM**	Brushed clear, natural metal flange
1112	Specular gold	**1112NM**	Specular gold, natural metal flange
1113	Specular clear	**1113NM**	Specular clear, natural metal flange
1113BK	Specular black	**1113BKNM**	Specular black, natural metal flange
1113CD	Clear diffuse	**1113CDNM**	Clear diffuse, natural metal flange
1113WH	Matte white		

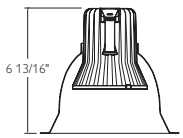
6 ¾" Cross blade



Reflector

1132	White

6 ¾" Basic white reflector



Reflector

1171	Gloss white

Uniframe CFL housings

3¾", 5", 6¾" Non-IC frame-in kits

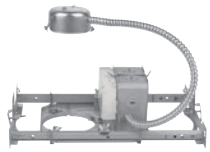
Philips Lightolier is dedicated to providing Energy Smart lighting. Our fixtures utilize the most efficient light sources and are carefully designed around them to provide the highest light output while maintaining shielding for comfortable, glare-free installations in three unique aperture sizes.

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal electronic ballast

120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0°F.

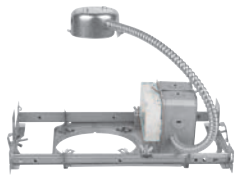
Uniframe 3¾" new construction



2001F13U	13w Quad/Triple Tube G24q-1/GX24q-1 Base
2001F18U	18w Triple Tube GX24q-2 Base
Cut out	3 15/16"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Input power Frame-in kit	Total watts	Amp (120/277V)
2001F13U	16w	0.13/0.06
2001F18U	19w	0.16/0.07

Uniframe 5" new construction



1001F13U	13w Quad/Triple Tube G24q-1/GX24q-1 Base
1001F18U	18w Triple Tube GX24q-2 Base
1001F26U	26w Triple Tube GX24q-3 Base
Cut out	5 1/4"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

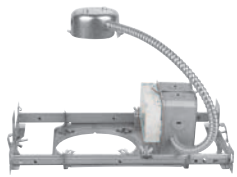
Input power Frame-in kit	Total watts	Amp (120/277V)
1001F13U	16w	0.13/0.06
1001F18U	20w	0.17/0.08
1001F26U	29w	0.24/0.11

Dimming

Dimming provides even more flexibility and performance. Electronic ballasts accurately reduce light output to match the consumers' needs. Dim lighting to comfortably watch television, host a dinner party or set appropriate light levels for different tasks. Dimming allows greater control, energy savings and exceptional performance.

Uniframe 5" new construction - dimming

26w Triple tube Gx24q-3 base - only



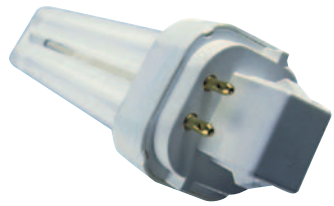
1001FD26MX1	(Advanced Mark10 26W 120v)
1001FD26MX2	(Advanced Mark10 26W 277v)
1001FD26M7U	(Advanced Mark7 26W 120/277v)
1001FD26L1	(Lutron* 26w 120v)
1001FD26L2	(Lutron* 26w 277v)
Cut out	5 1/4"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Input power Frame-in kit	Total watts	Amp (120/277V)
1001FD26MX1	31w	0.26 (120v)
1001FD26MX2	31w	0.11 (277v)
1001FD26M7U	31w	0.26/0.11
1001FD26L1	31w	0.26 (120v)
1001FD26L2	31w	0.12 (277v)

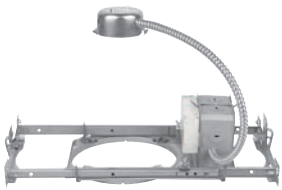
* Lutron compact SE 5%

Uniframe CFL housings

3¾", 5", 6¾" Non-IC frame-in kits



Uniframe 6¾" new construction

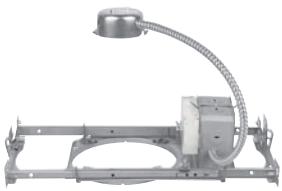


1101F18U	18w Triple Tube GX24q-2 Base
1101F2642U	26w Triple Tube GX24q-3 Base
	32w Triple Tube GX24q-3 Base
	42w Triple Tube GX24q-4 Base
Cut out	6 15/16"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Input power Frame-in kit	Total watts	Amp (120/277V)
1101F18U	20w	0.17/0.08
1101F2642U	29w	0.24/0.11 (26w)
1101F2642U	36w	0.31/0.13 (32w)
1101F2642U	46w	0.38/0.17 (42w)

Uniframe 6¾" new construction - dimming

26w Triple tube Gx24q-3 base - only



1101FD2642MX1	(Advanced Mark10 26-42W 120v)
1101FD2642MX2	(Advanced Mark10 26-42W 277v)
1101FD2642M7U	(Advanced Mark7 26-42w 120/277v)
1101FD26L1	(Lutron* 26w 120v)
1101FD26L2	(Lutron* 26w 277v)
1101FD32L1	(Lutron* 32w 120v)
1101FD32L2	(Lutron* 32w 277v)
Cut out	6 15/16"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Input power Frame-in kit	Total watts	Amp (120/277V)
1101FD26MX1	31w	0.26/0.11 (26w)
1101FD26MX2	38w	0.32/0.14 (32w)
1101FD26M7U	39w	0.41/0.18 (42w)
1101FD26L1	31w	0.26 (26w)
1101FD26L2	31w	0.12 (26w)
1101FD32L1	36w	0.31 (32w)
1101FD32L2	36w	0.13 (32w)

* Lutron compact SE 5%

Mounting – grid ceiling

Tool free mounting in grid ceilings. Galvanized Steel interlocking slide bars adjust to 24 1/8" long accommodating 24" O.C. Ceiling Grid. Adjustable speed clamps for positive attachment to grid ceiling systems.

Mounting – wood joist ceiling

Integral nailing tabs, alignment guides, fastener holes and bendable strapping guides for wood joist installation. Galvanized Steel interlocking slide bars adjust from 12 15/16" to 24 1/8" long to accommodate 16" and 24'' O.C. joist spacing, with or without strapping.

Uniframe CFL housings

5" & 6¾" Emergency frame-in kits

Uniframe emergency lighting provides 60% light output for up to 90 minutes. This allows visibility in areas of egress to allow people to move safely in the event of an emergency.

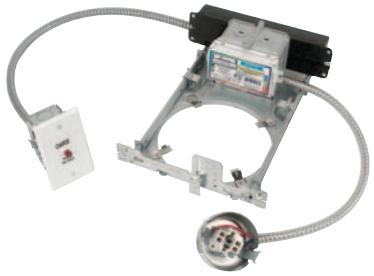
Mounting – grid ceiling

Tool free mounting in grid ceilings. Galvanized Steel interlocking slide bars adjust to 24 1/8" long accommodating 24" O.C. Ceiling Grid. Adjustable speed clamps for positive attachment to grid ceiling systems.

Mounting – wood joist ceiling

Integral nailing tabs, alignment guides, fastener holes and bendable strapping guides for wood joist installation. Galvanized Steel interlocking slide bars adjust from 12 15/16" to 24 1/8" long to accommodate 16" and 24" O.C. joist spacing, with or without strapping.

Uniframe 5" & 6¾" new construction - emergency



Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal electronic ballast: 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0°F.

Emergency battery: 90 minute battery backup at 650 lumens, complete with charge indicator light and integrated test switch.

1001F18UEM	18w Triple Tube GX24q-2 Base 120v – 0.17amp max 277v – 0.08amp max
1001F26UEM	26w Triple Tube GX24q-3 Base 120v – 0.24amp max 277v – 0.11amp max
Cut out	5 1/4"
Width	9 5/8"
Length	12 15/16"
Depth	See specification sheet

1101F2642UEM	26w Quad/Triple Tube G24q-3/GX24q-3 Base 120v – 0.33amp max 277v – 0.14amp max 32w Triple Tube GX24q-3 Base 120v – 0.40amp max 277v – 0.17amp max 42w Triple Tube GX24q-4 Base 120v – 0.53amp max 277v – 0.23amp max
Cut out	6 15/16"
Width	9 5/8"
Length	12 15/16"
Depth	See specification sheet

Input power

Frame-in kit	Total watts	Amp (120/277V)
1001F18UEM	20w	0.17/0.08
1001F26UEM	29w	0.29/0.11

Input power

Frame-in kit	Total watts	Amp (120/277V)
1101F2642UEM	29w	0.24/0.11
	36w	0.31/0.13
	46w	0.38/0.17

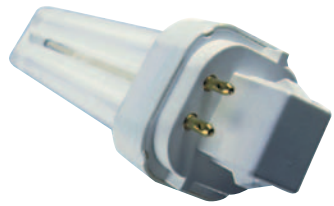
Emergency lumen output

Uniframe wattage	EM Lamp lumens	EM #
18	350	I-42-EM-J
26	425	I-42-EM-J
32	600	I-42-EM-J
42	750	I-42-EM-J

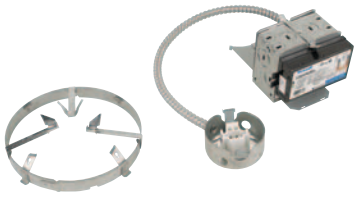
Uniframe CFL housings

5" & 6¾" Remodeler frame-in kits

Remodeler Frame-in Kits allow installation of recessed downlights in existing ceilings. Update any existing space within a structure to have energy efficient compact fluorescent lighting.



Uniframe 5" & 6¾" remodeler



Designed for existing ceilings where insulation will not be installed. Frame-in kit accommodates ceilings up to 2" thick.

Universal electronic ballast: 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0° F.

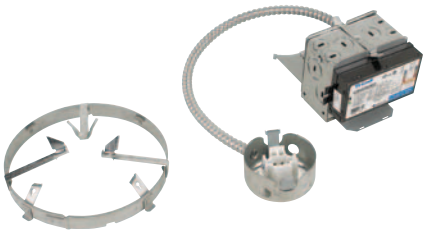
1001FR18U	18W Triple Tube GX24q-2 Base
1001FR26U	26W Triple Tube GX24q-3 Base
Cut out	5 1/2"
Width	N/A
Length	11 1/2"
Depth	See specification sheet

1101FR18U	18W Quad/Triple Tube G24q-2/GX24q-2 Base
1101FR2642U	26W Quad/Triple Tube G24q-3/GX24q-3 Base 32W Triple Tube GX24q-3 Base 42W Triple Tube GX24q-4 Base
Cut out	5 1/4"
Width	9 5/8"
Length	12 15/16"
Depth	See specification sheet

Input power Frame-in kit	Total watts	Amp (120/277V)
1001FR18U	20w	0.17/0.08
1001FR26U	29w	0.24/0.11

Input power Frame-in kit	Total watts	Amp (120/277V)
1101FR18U	20w	0.17/0.08
1101FR2642U	29w	0.24/0.11 (26W)
1101FR2642U	36w	0.31/0.13 (32W)
1101FR2642U	46w	0.38/0.17 (42W)

Uniframe 5" & 6¾" remodeler - dimming



Designed for existing ceilings where insulation will not be installed. Frame-in kit accommodates ceilings up to 2" thick.

Universal electronic ballast: 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating. Minimum starting temperature is 0° F.

1001FRD26MX1	26w Triple Tube GX24q-3 Base (Advance Mark10 – 120v)
1001FRD26MX2	26w Triple Tube GX24q-3 Base (Advance Mark10 – 277v)
Cut out	5 1/2"
Width	5 1/2"
Length	11 25/32"
Depth	See specification sheet

1101FR2642MX1	26w Quad Tube – 26-42W Triple (Advance Mark10 – 120v)
1101FR2642MX2	26w Quad Tube – 26-42W Triple (Advance Mark10 – 277v)
Cut out	7 1/8"
Width	7 1/8"
Length	13 9/32"
Depth	See specification sheet

Input power Frame-in kit	Total watts	Amp (120/277V)
1001FRD26MX1	31w	0.26
1001FRD26MX2	31w	0.11

Input power Frame-in kit	Total watts	Amp (120/277V)
1101FR2642MX1	31w	0.26 (26w)
	38w	0.32 (32w)
	49w	0.41 (42w)
1101FR2642MX2	31w	0.11 (26w)
	38w	0.14 (32w)
	49w	0.18 (42w)

Mounting – remodeler

Accommodates existing ceilings up to 2" thick. Attaches securely to any type of ceiling material without tools using (3) mounting straps provided. Push-in/twist-out clips hold reflector flush to ceiling. Includes adhesive backed aperture template.

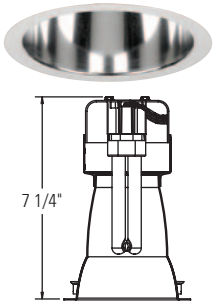
Uniframe CFL vertical trims

3¾" Vertical trims

Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.

- Performance optics provide excellent cut-off while maximizing efficiencies
- Only 3.5" ID for CFL aperture
- Superior performance and styling

Uniframe open downlight



Reference data

Reflector	**2001CL**
Lamp	18W Triple
Lamp lumens	1200
Efficiency	47.6%
Spacing criterion	1.4

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Reflector

2001CL	Specular clear
2001CD	Clear diffuse
2001WH	Matte white

Application data Single unit data 18W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
4'	15	6'
5'	10	7'
6'	7	8'

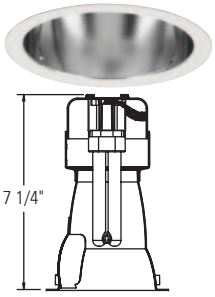
Beam diameter is where foot-candles drop to 50% of maximum.

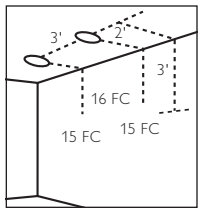
Multiple units (18W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	60	2.06
5'	41	1.43
6'	27	0.92

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe single wall wash





Reference data

Reflector	**2001CLSW**
Lamp	18W Triple
Lamp lumens	1200
Efficiency	46.9%

Reflector

2001CLSW	Specular clear
2001CDSW	Clear diffuse
2001WHSW	Matte white

Multiple units (18W) Footcandles on wall

2' from wall-2' on center

■ ------- 2' ------- ■

	1'	21	18	21
	2'	29	29	29
Distance	3'	23	23	23
From	4'	16	16	16
Ceiling	5'	11	11	11
in Feet	6'	8	8	8
	7'	5	5	5
	8'	4	4	4
	9'	3	3	3

Multiple units (18W) Footcandles on wall

2' from wall-3' on center

■ ------- 3' ------- ■

	1'	16	12	16
	2'	20	19	20
Distance	3'	**15**	**16**	**15**
From	4'	11	11	11
Ceiling	5'	8	8	8
in Feet	6'	6	6	6
	7'	4	4	4
	8'	3	3	3
	9'	2	2	2

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Uniframe CFL vertical trims

3¾" Lensed vertical trims

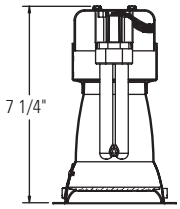
Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.

- Performance optics provide excellent cut-off while maximizing efficiencies
- Only 3.5" ID for CFL aperture
- Superior performance and styling

Compatible frame in kits

Frame-in kit	Wattage	Lamping
2001F13 Series	13W	(1) Triple or quad
2001F18 Series	18W	(1) Triple or quad
2001F13IC Series	13W	(1) Triple or quad
2001F18IC Series	18W	(1) Triple or quad

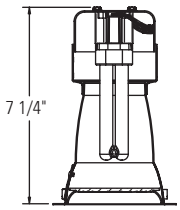
Uniframe opal lensed downlight



Reflector

2001CLO	Specular clear
2001CDO	Clear diffuse
2001WHO	Matte white

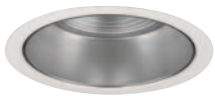
Uniframe clear lensed downlight

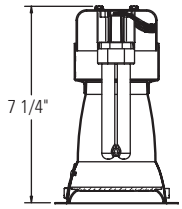


Reflector

2001CLC	Specular clear
2001CDC	Clear diffuse
2001WHC	Matte white

Uniframe fresnel lensed downlight





Reflector

2001CLF	Specular clear
2001CDF	Clear diffuse
2001WHF	Matte white

Reference data

Reflector	**2001CLF**
Lamp	18W Triple
Lamp lumens	1200
Efficiency	29.8%
Spacing Criterion	1.4

Conversion factor for finishes:
CD = footcandle x 1.03
WH = footcandle x .88

Application data Single unit data 18W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
4'	10	6'
5'	6	7'
6'	4	8'

Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (18W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	20	1.38
5'	14	0.96
6'	9	0.61

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

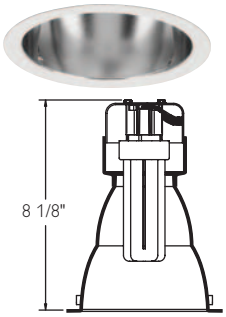
Uniframe CFL vertical trims

5" Vertical trims

Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.

Uniframe 5" is the ideal choice for energy efficient residential and light commercial applications. Its small size offers excellent optic performance in ceilings up to 9 1/2 ft while maintaining style. Also available with dimming and emergency ballasts.

Uniframe open downlight



Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple

Reflector

1001CL	Specular clear
1001CD	Clear diffuse
1001WH	Matte white

Application data Single unit data 26W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	14	8'
7'	10	9'
8'	8	10'

Beam diameter is where foot-candles drop to 50% of maximum.

Reference data

Reflector	**1001CL**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	54.1%
Spacing criterion	1.3

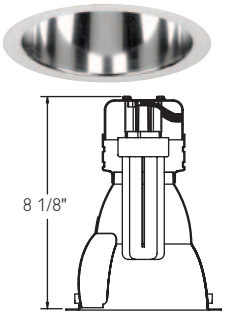
Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Multiple units (26W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	54	1.69
5'	38	1.17
6'	24	0.75

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe single wall wash

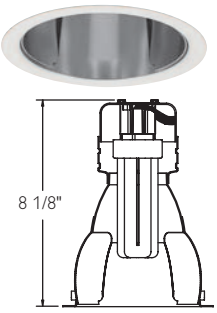


Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple

Reflector

1001CLSW	Specular clear
1001CDSW	Clear diffuse
1001WHSW	Matte white

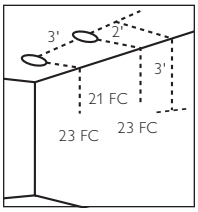
Uniframe double wall wash



Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple

Reflector

1001CLDW	Specular clear
1001CDDW	Clear diffuse
1001WHDW	Matte white



Reference data

Reflector	**1001CLSW**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	54.2%

Multiple units (26W) Footcandles on wall

2' from wall-2' on center

		■ ------- 2' ------- ■		
	1'	24	23	24
	2'	35	34	35
Distance	3'	32	33	32
From	4'	25	25	25
Ceiling	5'	18	19	18
in Feet	6'	13	13	13
	7'	10	10	10
	8'	7	7	7
	9'	6	6	6

Multiple units (26W) Footcandles on wall

2' from wall-3' on center

		■ ------- 3' ------- ■		
	1'	19	13	19
	2'	26	23	26
Distance	3'	**23**	**21**	**23**
From	4'	17	17	17
Ceiling	5'	13	13	13
in Feet	6'	9	10	9
	7'	7	7	7
	8'	6	6	6
	9'	4	4	4

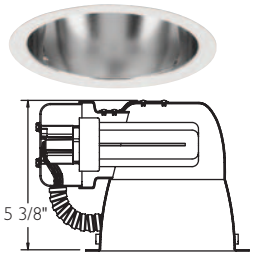
Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Uniframe CFL horizontal trims

5" Horizontal trims

Uniframe puts a unique spin on a classic look with our new floating cross blade design. With rounded edges that float off of the cone, this new design gives the standard crossblade a softer look while effectively shielding the lamp source.

Uniframe open downlight



Reflector

1001HCL	Specular clear
1001HCD	Clear diffuse
1001HWH	Matte white

Reference data

Reflector	**1001HCL**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	58.6%
Spacing criterion	1.2

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple or quad
1001F18IC Series	18W	(1) Triple or quad
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Application data Single unit data 26W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	16	7'
7'	12	8'
8'	9	9'

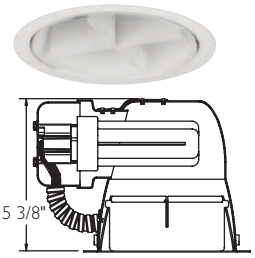
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (26W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	58	1.63
5'	40	1.13
6'	26	0.72

24' x 24' x 8.5' room; Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe cross blade



Reflector

1001HACB	Aluminum
1001HWHCB	Matte white

Reference data

Reflector	**1001HWHCB**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	31.3%
Spacing criterion	0.9 x 1.0

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple or quad
1001F18IC Series	18W	(1) Triple or quad
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Application data Single unit data 26W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	11	5'
7'	8	6'
8'	6	7'

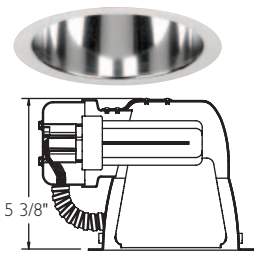
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (26W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	30	1.88
5'	21	1.30
6'	14	0.83

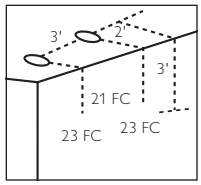
24' x 24' x 8.5' room; Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe single wall wash



Reflector

1001HCLSW	Specular clear
1001HCDSW	Clear diffuse
1001HWHSW	Matte white



Reference data

Reflector	**1001HCLSW**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	53.4%

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple or quad
1001F18IC Series	18W	(1) Triple or quad
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Multiple units (26W) Footcandles on wall

2' from wall-2' on center

■ ------- 2' ------- ■

	1'	29	27	29
	2'	43	43	43
Distance	3'	33	33	33
From	4'	24	25	24
Ceiling	5'	17	18	17
in Feet	6'	12	13	12
	7'	9	9	9
	8'	7	7	7
	9'	5	5	5

Multiple units (26W) Footcandles on wall

2' from wall-3' on center

■ ------- 3' ------- ■

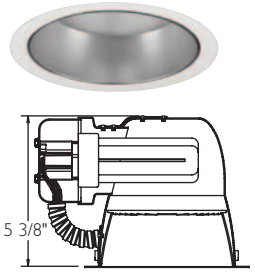
	1'	23	16	23
	2'	27	29	27
Distance	3'	**23**	**21**	**23**
From	4'	17	17	17
Ceiling	5'	12	12	12
in Feet	6'	9	9	9
	7'	7	7	7
	8'	5	5	5
	9'	4	4	4

Uniframe CFL horizontal trims

5" Horizontal lensed trims

Uniframe's three lensed products have a variety of lens styles. UL listed for wet locations, these trims provide an Incandescent-like light source in an energy efficient package ideal for showers, spas or outdoor overhangs.

Uniframe opal lensed downlight



Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple or quad
1001F18IC Series	18W	(1) Triple or quad
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Reflector

1001HCLO	Specular clear
1001HCDO	Clear diffuse
1001HWHO	Matte white

Reference data

Reflector	**1001HCLO**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	36.6%
Spacing criterion	1.2

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Application data Single unit data 26W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	10	7'
7'	8	8'
8'	6	9'

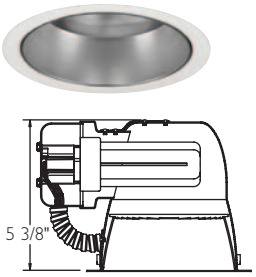
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (26W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	36	1.88
5'	25	1.30
6'	16	0.83

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe clear lensed downlight



Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple or quad
1001F18IC Series	18W	(1) Triple or quad
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Reflector

1001HCLC	Specular clear
1001HCDC	Clear diffuse
1001HWHC	Matte white

Reference data

Reflector	**1001HCLO**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	42.8%
Spacing criterion	1.1

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Application data Single unit data 26W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	14	6'
7'	10	7'
8'	0	8'

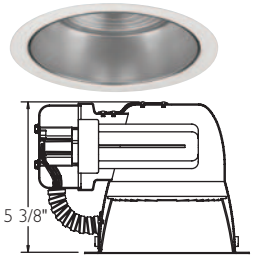
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (26W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	42	1.88
5'	29	1.30
6'	19	0.83

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe fresnel lensed downlight



Frame-in kit	Wattage	Lamping
1001F13 Series	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple or quad
1001F26 Series	26W	(1) Triple
1001FD26MX Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple or quad
1001F18IC Series	18W	(1) Triple or quad
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Reflector

1001HCLF	Specular clear
1001HCDF	Clear diffuse
1001HWHF	Matte white

Reference data

Reflector	**1001HCLF**
Lamp	26W Triple
Lamp lumens	1710
Efficiency	40.8%
Spacing criterion	0.9

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Application data Single unit data 26W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	16	5'
7'	12	6'
8'	9	7'

Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (26W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	41	1.88
5'	28	1.30
6'	18	0.83

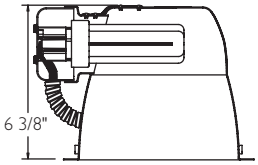
24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe CFL horizontal trims

6¾" Horizontal trims

With the introduction of Uniframe, Lytecaster now offers both single and double wall washers for demanding commercial applications. Single and double wall washers are designed to provide a uniform distribution of light along the vertical surface while providing room side downlighting to provide continuity throughout the space.

Uniframe open downlight



Reflector

1101HCL Specular clear
1101HCD Clear diffuse
1101HWH Matte white

Reference data

Reflector	**1101HCL**
Lamp	32W Triple
Lamp lumens	2200
Efficiency	62.0%
Spacing criterion	1.2

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32/42W	(1) Triple or quad
1101FDIC Series	26/32W	(1) Triple or quad

Application data Single unit data 32W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	20	8'
8'	11	10'
10'	7	12

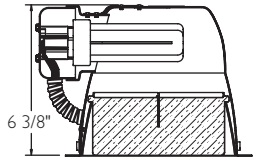
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (26W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	78	1.94
5'	54	1.35
6'	35	0.86

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe shielded downlight



Reflector

1101HACB Aluminum
1101HWHCB Matte white

Reference data

Reflector	**1101HWHCB**
Lamp	32W Triple
Lamp lumens	2200
Efficiency	37.5%
Spacing criterion	0.8 x 1.0

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32/42W	(1) Triple or quad
1101FDIC Series	26/32W	(1) Triple or quad

Application data Single unit data 32W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	18	6'
7'	14	7'
8'	10	8'

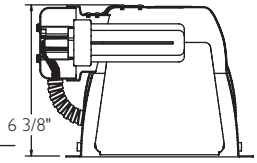
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (32W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	47	2.19
5'	32	1.52
6'	21	0.97

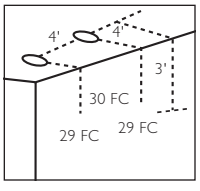
24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe single wall wash



Reflector

1101HCLSW Specular clear
1101HCDSW Clear diffuse
1101HWHSW Matte white



Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32/42W	(1) Triple or quad
1101FDIC Series	26/32W	(1) Triple or quad

Reference data

Reflector	**1101HCLSW**
Lamp	42W Triple
Lamp lumens	3200
Efficiency	61.4%

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Multiple units (42W) Footcandles on wall

		3' from Wall-3' on Center		
		■ ------- 3' ------- ■		
	1'	22	20	22
	2'	47	48	47
Distance	3'	47	47	47
From	4'	35	34	35
Ceiling	5'	28	28	28
in Feet	6'	22	22	22
	7'	17	17	17
	8'	14	14	14
	9'	11	11	11

Multiple units (42W) Footcandles on wall

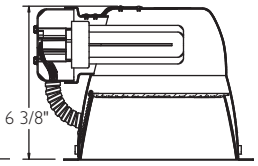
		4' from Wall-4' on Center		
		■ ------- 4' ------- ■		
	1'	7	6	7
	2'	21	20	21
Distance	3'	**29**	**30**	**29**
From	4'	26	26	26
Ceiling	5'	21	20	21
in Feet	6'	18	17	18
	7'	15	15	15
	8'	14	14	14
	9'	10	10	10

Uniframe CFL horizontal trims

6¾" Horizontal lensed trims

Uniframe's three lensed products have a variety of lens styles and offer up to a 42 watt compact fluorescent lamp. UL listed for wet locations, these trims provide an Incandescent-like light source in an energy efficient package ideal for showers, spas or outdoor overhangs.

Uniframe opal lensed downlight



Reflector

1101HCLO	Specular clear
1101HCDO	Clear diffuse
1101HWHO	Matte white

Reference data

Reflector	**1101HCLO**
Lamp	32W Triple
Lamp lumens	2200
Efficiency	46.3%
Spacing criterion	1.2

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32/42W	(1) Triple or quad
1101FDIC Series	26/32W	(1) Triple or quad

Application data Single unit data 32W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	16	7'
7'	12	8'
8'	9	9'

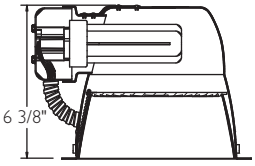
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (32W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	59	2.19
5'	41	1.52
6'	26	0.97

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe fresnel lensed downlight



Reflector

1101HCLF	Specular clear
1101HCDF	Clear diffuse
1101HWHF	Matte white

Reference data

Reflector	**1101HCLF**
Lamp	32W Triple
Lamp lumens	2200
Efficiency	46.2%
Spacing criterion	1.0

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32/42W	(1) Triple or quad
1101FDIC Series	26/32W	(1) Triple or quad

Application data Single unit data 32W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	20	6'
7'	15	7'
8'	11	8'

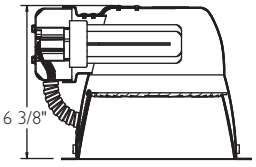
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (32W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	60	2.06
5'	41	1.43
6'	27	0.92

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe clear lensed downlight



Reflector

1101HCLC	Specular clear
1101HCDC	Clear diffuse
1101HWHC	Matte white

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32/42W	(1) Triple or quad
1101FDIC Series	26/32W	(1) Triple or quad

Application data Single unit data 32W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	22	6'
7'	16	7'
8'	12	8'

Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (32W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
4'	68	2.19
5'	48	1.52
6'	31	0.97

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Reference data

Reflector	**1101HCLC**
Lamp	32W Triple
Lamp lumens	2200
Efficiency	52.8%
Spacing criterion	1.0

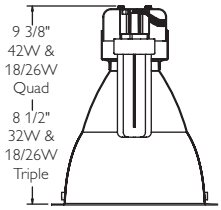
Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Uniframe CFL vertical trims

6¾" Vertical trims

Uniframe professional optics provide the ultimate in performance and flexibility. All optics focus on a specific trim / lamp for a performance combination while offering multiple lamp options for increased flexibility.

Uniframe open downlight



Reflector

1101CL	Specular clear
1101CD	Clear diffuse
1101WH	Matte white

Reference data	
Reflector	**1101CL**
Lamp	42W Triple
Lamp lumens	3200
Efficiency	67.0%
Spacing criterion	1.1

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642U Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad

Application data Single unit data 42W

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	40	6'
8'	24	8'
10'	15	10'

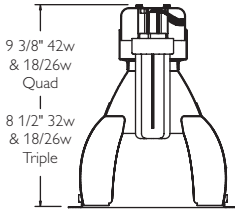
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units (42W)

Spacing on center	Average initial foot-candles	Watts sq. Ft.
5'	88	1.91
6'	56	1.22
7'	32	0.69

24' x 24' x 8.5' room
Workplane 2.5' above floor
80% / 50% / 20% reflectances

Uniframe double wall wash

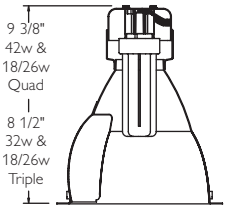


Reflector

1101CLDW	Specular clear
1101CDDW	Clear diffuse
1101WHDW	Matte white

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642U Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad

Uniframe single wall wash

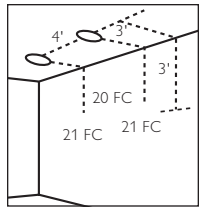


Reflector

1101CLSW	Specular clear
1101CDSW	Clear diffuse
1101WHSW	Matte white

Frame-in kit	Wattage	Lamping
1101F18 Series	18W	(1) Triple or quad
1101FR18 Series	18W	(1) Triple or quad
1101F2642U Series	26/32/42W	(1) Triple or quad
1101FD2642 Series	26/32/42W	(1) Triple or quad
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple or quad

Reference data	
Reflector	**1101CLSW**
Lamp	42W Triple
Lamp lumens	3200
Efficiency	64.0%



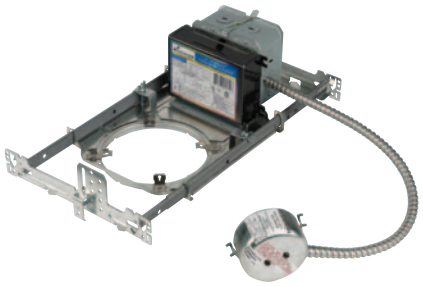
Multiple units (42W) Footcandles on wall

		3' from Wall-3' on Center		
		■ ------- 2' ------- ■		
	1'	12	11	12
	2'	22	21	22
Distance	3'	27	27	28
From	4'	29	29	29
Ceiling	5'	27	27	27
in Feet	6'	23	23	23
	7'	19	19	19
	8'	16	16	16
	9'	13	14	13

Multiple units (42W) Footcandles on wall

		3' from Wall-4' on Center		
		■ ------- 3' ------- ■		
	1'	10	7	10
	2'	18	14	18
Distance	3'	**21**	**20**	**21**
From	4'	23	21	23
Ceiling	5'	21	20	21
in Feet	6'	18	17	18
	7'	15	15	15
	8'	13	13	13
	9'	11	11	11

Conversion factor for finishes:
CD = footcandle x .90
WH = footcandle x .70



Uniframe HID housings

5" Frame-in kits

High Intensity Discharge (HID) light sources provide high output, long life, high energy efficiency. These characteristics make them a prime consideration for many commercial applications. HID downlights should be used in ceilings over twelve feet where a strong punch of light is required. For ceilings over 20 feet, consider metal halide PAR lamps, which provide an even stronger throw of light.

5" Uniframe non-IC ED17 metal halide new construction

Cut out	5 1/4"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Frame-in kit		Wattage	
1001HIDED50U	120/277v	ED17	50w
1001HIDED70U	120/277v	ED17	70w
1001HIDED50ULC	120/277v -Chicago Plenum rated	ED17	50w
1001HIDED70ULC	120/277v -Chicago Plenum rated	ED17	70w

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

Lytecaster's new HID Frame-in Kits are quick and easy to install.

- Unique "U" design is tailor made for commercial installations
- The U-shape mounting bars add support
- Allows for two installation points, not four
- Tool-free installation in grid ceilings
- Locks ceiling tile in place

Our 5" design is ideal for lower ceilings where frequent maintenance is difficult or not cost effective

ED17 lamps are ideal for general lighting and lower ceilings as it provides a wider and more even illumination across the space.

5" Uniframe non-IC PAR metal halide new construction

Cut out	5 1/4"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Frame-in kit		Wattage	
1001HIDP20U	120/277v	20w	PAR 20/PAR30 long
		22w	PAR 20/PAR30 long
1001HIDP39U	120/277v	39w	PAR 20/PAR30 long
1001HIDP70U	120/277v	70w	PAR30 long
1001HIDP20ULC	120/277v -Chicago Plenum	20w	PAR 20/PAR30 long
		22w	PAR 20/PAR30 long
1001HIDP39ULC	120/277v -Chicago Plenum	39w	PAR 20/PAR30 long
1001HIDP70ULC	120/277v -Chicago Plenum	70w	PAR30 long

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

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- Locks ceiling tile in place

Our 5" design is ideal for lower ceilings where frequent maintenance is difficult or not cost effective

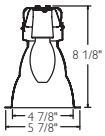
Ceramic metal halide PAR lamps are excellent for high ceilings where an extra punch of light is needed.

Uniframe HID trims

5" Vertical trims

Uniframe HID is all about performance and value. Designed around energy efficient HID lamps, Uniframe HID utilizes existing Uniframe performance optics as well as a host of affordable Lytecaster trims designed for this product line. Over 40 different trim styles provide several downlighting options in vertical and horizontal lamping, recessed adjustable designs, slope ceilings and several wet location products for effective lighting of commercial applications.

5" Uniframe HID open downlight – ED17



Frame-in kit	Wattage	Lamping
1001HIDED50U	50w	ED17 Open
1001HIDED70U	70w	ED17 Open
1001HIDED50ULC	50w	ED17 Open
1001HIDED70ULC	70w	ED17 Open

Catalog no.	Description
1001CL	Specular clear
1001CD	Clear diffuse

Reference data

Reflector	1001CL
Lamp	70w ED17
Lamp lumens	4700
Efficiency	47.0%
Spacing criteria	1.06

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	42	6'
8'	24	8'
10'	15	11'
12'	11	13'

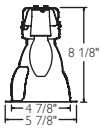
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units – RCR 2

Spacing on center	Average initial foot-candles	Watts sq. Ft.
6'	55	2.07
8'	38	1.44
10'	24	0.92

38' x 38' x 10' room
Workplane 2 1/2' above floor
80/50/20% reflectances

5" Uniframe HID open wall wash – ED17



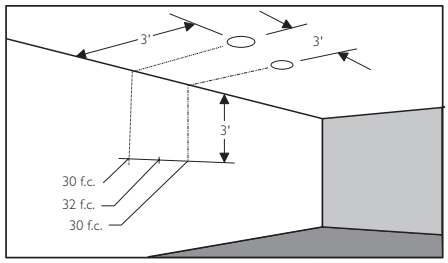
Frame-in kit	Wattage	Lamping
1001HIDED50U	50w	ED17 Open
1001HIDED70U	70w	ED17 Open
1001HIDED50ULC	50w	ED17 Open
1001HIDED70ULC	70w	ED17 Open

Catalog no.	Description
1001CLSW	Specular clear
1001CDSW	Clear diffuse

3' from wall

Distance from ceiling in Feet

	3'		
1'	10	10	10
2'	21	21	21
3'	30	32	30
4'	36	36	36
5'	33	33	33
6'	27	27	27
7'	21	22	21
8'	17	17	17
9'	13	14	13



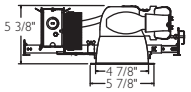
Example: With multiple clear reflector units located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 30 f.c. beneath units and 32 f.c. between units.

Uniframe HID trims

5" Horizontal trims

Uniframe HID 5" trims provide additional design flexibility. Designed around lower lamp wattages, they are an ideal solution in applications with lower ceilings where energy efficiency is still desired. All open trims utilize an affordable ED17 lamp in vertical and horizontal lamping.

5" Uniframe HID horizontal open downlight – ED17



Frame-in kit	Wattage	Lamping
1001HIDED50U	50w	ED17 Open
1001HIDED70U	70w	ED17 Open
1001HIDED50ULC	50w	ED17 Open
1001HIDED70ULC	70w	ED17 Open

Catalog no.	Description
1001HCL	Specular clear
1001HCD	Clear diffuse

Reference data

Reflector	1001CL
Lamp	70W ED17
Lamp lumens	4700
Efficiency	47.0%
Spacing criteria	1.06

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	42	6'
8'	24	8'
10'	15	11'
12'	11	13'

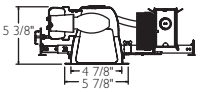
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units – RCR 2

Spacing on center	Average initial foot-candles	Watts sq. Ft.
6'	55	2.07
8'	38	1.44
10'	24	0.92

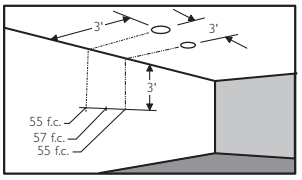
38' x 38' x 10' room
Workplane 2 1/2' above floor
80/50/20% reflectances

5" Uniframe HID horizontal open wall wash – ED17



Frame-in kit	Wattage	Lamping
1001HIDED50U	50w	ED17 Open
1001HIDED70U	70w	ED17 Open
1001HIDED50ULC	50w	ED17 Open
1001HIDED70ULC	70w	ED17 Open

Catalog no.	Description
1001HCLSW	Specular clear
1001HCDSW	Clear diffuse



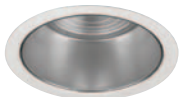
Example: With multiple clear reflector units located 3' from wall and spaced 3' on center the illumination on the wall 3' down from ceiling will be 55 f.c. beneath units and 57 f.c. between units.

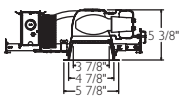
3' from Wall

Distance from ceiling in Feet

		3'	
1'	24	23	24
2'	45	44	45
3'	55	57	55
4'	51	53	51
5'	42	44	42
6'	33	35	33
7'	26	27	26
8'	21	22	21
9'	17	17	17
10'	14	14	14

5" Uniframe HID horizontal lensed downlight – ED17





Frame-in kit	Wattage	Lamping
1001HIDED50U	50w	ED17 Open
1001HIDED70U	70w	ED17 Open
1001HIDED50ULC	50w	ED17 Open
1001HIDED70ULC	70w	ED17 Open

Catalog no.	Description
1001HCLFHID	Specular clear cone, fresnel lens
1001HCDFHID	Clear diffuse cone, fresnel lens

Multiple units – RCR 2

Spacing on center	Average initial foot-candles	Watts sq. Ft.
6'	48	2.02
8'	33	1.40
10'	21	0.90

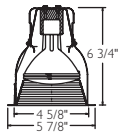
38' x 38' x 10' room
Workplane 2 1/2' above floor
80/50/20% reflectances

Uniframe HID trims

5" Trims

Uniframe HID 5" trims also utilize our popular Lytecaster line of trims. These new optics, designed for the metal halide PAR lamp, give greater flexibility with a cost effective design optic designs that provide performance downlighting and adjustable accent lighting.

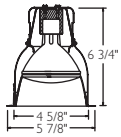
5" Uniframe HID step baffle – PAR



Catalog no.	Description
1005HID	Specular clear
1005WHHID	Clear diffuse

Frame-in kit	Wattage	Lamping (CMH)
1001HIDP20U	20w	PAR 20/PAR30 long
	22w	
1001HIDP39U	39w	PAR 20 / PAR 30 long
1001HIDP70U	70w	PAR30L
1001HIDP20U	20w	PAR 20/PAR30 long
	22w	PAR 20/PAR30 long
1001HIDP39U	39w	PAR 20 / PAR 30 long
1001HIDP70U	70w	PAR30L

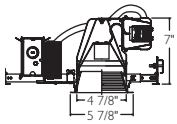
5" Uniframe HID aperture cone – PAR



Catalog no.	Description
1013HID	Specular clear
1013CDHID	Clear diffuse

Frame-in kit	Wattage	Lamping (CMH)
1001HIDP20U	20w	PAR 20/PAR30 long
	22w	
1001HIDP39U	39w	PAR 20 / PAR 30 long
1001HIDP70U	70w	PAR30L
1001HIDP20U	20w	PAR 20/PAR30 long
	22w	PAR 20/PAR30 long
1001HIDP39U	39w	PAR 20 / PAR 30 long
1001HIDP70U	70w	PAR30L

5" Uniframe HID adjustable aperture cone – PAR

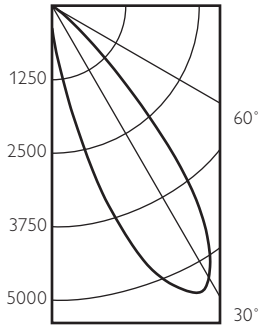


Catalog no.	Description
1027HID	Black baffle
1027WHHID	White baffle
1027CDHID	Clear diffuse
1048HID	Specular clear

Frame-in kit	Wattage	Lamping (CMH)
1001HIDP20U	20w	PAR 20/PAR30 long
	22w	
1001HIDP39U	39w	PAR 20 / PAR 30 long

39W PAR 20 Ceramic MH - Flood

Lamp lumens 2000 LMS, max CBCP 5479, aimed at max tilt, beam angle 25°



Report No: 4091FR

Candlepower Distribution Angle	0° CP
0	381
5	790
10	1675
15	3281
20	4645
25	5328
30	5328
35	4507
40	2985
45	1380
50	526
55	209
60	83
65	30
70	6
75	15
80	15
85	4
90	4

D	C	FC	L	W
Footcandles at Center Beam Aimed at Horizontal Surface				
D	C	FC	L	W
8'	4.2'	60	4.4'	3.8'
10'	5.2'	38	5.5'	4.8'
12'	6.2'	27	6.6'	5.8'
14'	7.3'	20	7.7'	6.7'

D	C	FC	L	W
Footcandles at Center Beam Aimed at Horizontal Surface				
D	C	FC	L	W
3'	3.8'	135	4.8'	1.8'
4'	5.8'	60	7.2'	2.8'
5'	7.7'	34	9.6'	3.7'
6'	9.6'	22	12.0'	4.6'

Uniframe HID housings

6¾" Frame-in kits

Uniframe HID is truly a value added product with its Grid-Lock® tool-free installation features and utilization of affordable PAR and ED17 Ceramic Metal Halide lamps.

6¾" Uniframe non-IC ED17 metal halide new construction

Cut out	6 15/16"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Frame-in kit

1101HIDED50U	120/277v	ED17	50w
1101HIDED70U	120/277v	ED17	70w
1101HIDED100U*	120/277v	ED17	100w
1101HIDED50ULC	120/277v -Chicago Plenum rated	ED17	50w
1101HIDED70ULC	120/277v -Chicago Plenum rated	ED17	70w
1101HIDED100ULC*	120/277v -Chicago Plenum rated	ED17	100w
1101HIDED70UAUX	120/277v - 100W T4 AUX	ED17	70w
1101HIDED100UAUX	120/277v - 100W T4 AUX	ED17	100w

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

Lytecaster's new HID Frame-in Kits are quick and easy to install.

- Unique "U" design is tailor made for commercial installations
- The U-shape mounting bars add support
- Allows for two installation points, not four
- Tool-free installation in grid ceilings
- Locks ceiling tile in place

Our 6 3/4" design is ideal for ceilings up to 20' where less lamp maintenance is desired and area requires greater light levels.

ED17 lamps are ideal for general lighting and lower ceilings as it provides a wider and more even illumination across the space.

* Marked spacing of 2 feet on center required

6¾" Uniframe non-IC PAR metal halide new construction

Cut out	6 15/16"
Width	7 3/4"
Length	12 15/16"
Depth	See specification sheet

Frame-in kit

1101HIDP39U	120/277v	39w	PAR30 long
1101HIDP70U	120/277v	70w	PAR30 long / PAR38
1101HIDP100U*	120/277v	100w	PAR 38
1101HIDP39ULC	120/277v-Chicago Plenum rated	39w	PAR30 long
1101HIDP70ULC	120/277v-Chicago Plenum rated	70w	PAR30 long / PAR38
1101HIDP100ULC*	120/277v-Chicago Plenum rated	100w	PAR 38

Designed for new construction where insulation will not be installed. Frame-in kit accommodates ceilings up to 1 1/2" thick. "Push In / Twist Out" Stainless Steel trim clips hold reflector flush to ceiling.

Universal 120/277V HPF Ballast. Shut-down circuit at end of lamp life. -5°F (-20°F for 150W) minimum starting temperature.

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- Allows for two installation points, not four
- Tool-free installation in grid ceilings
- Locks ceiling tile in place

Our 6 3/4" design is ideal for ceilings up to 20' where less lamp maintenance is desired and area requires greater light levels.

Ceramic Metal Halide PAR lamps are excellent for high ceilings where an extra punch of light is needed.

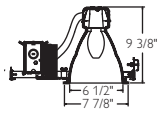
* Marked spacing of 2 feet on center required

Uniframe HID trims

6¾" Trims

Uniframe HID is all about performance and value. Designed around affordable, energy efficient HID lamps, Uniframe HID utilizes existing Uniframe performance optics as well as a host of affordable Lytecaster trims designed for this product line. Over 40 different trim styles provide several downlighting options in vertical and horizontal lamping, recessed adjustable designs, slope ceilings and several wet location products for effective lighting of commercial applications

6¾" Uniframe HID open downlight – ED17



Catalog no.	Description
1101CL	Specular clear
1101CD	Clear diffuse

Reference data

Reflector	1101CL
Lamp	100W ED17
Lamp lumens	7900
Efficiency	62.0%
Spacing criteria	1.36

Frame-in kit	Wattage	Lamping
1101HIDED50U	50w	ED17 Open
1101HIDED70U	70w	ED17 Open
1101HIDED100U	100w	ED17 Open
1101HIDED50ULC	50w	ED17 Open
1101HIDED70ULC	70w	ED17 Open
1101HIDED100ULC	100w	ED17 Open

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter
6'	70	8'
8'	39	11'
10'	25	14'
12'	17	16'

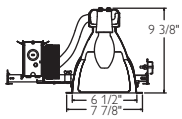
Beam diameter is where foot-candles drop to 50% of maximum.

Multiple units – RCR 2

Spacing on center	Average initial foot-candles	Watts sq. Ft.
6'	121	2.97
8'	84	2.06
10'	54	1.32

38' x 38' x 10' room
Workplane 2 1/2' above floor
80/50/20% reflectances

6¾" Uniframe HID open wall wash – ED17



Catalog no.	Description
1101CLSW	Specular clear
1101CDSW	Clear diffuse

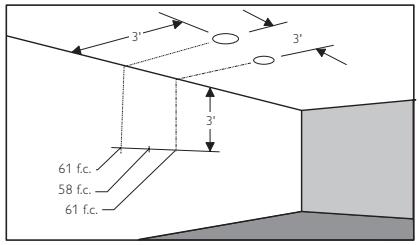
Frame-in kit	Wattage	Lamping
1101HIDED50U	50w	ED17 Open
1101HIDED70U	70w	ED17 Open
1101HIDED100U	100w	ED17 Open
1101HIDED50ULC	50w	ED17 Open
1101HIDED70ULC	70w	ED17 Open
1101HIDED100ULC	100w	ED17 Open

100W ED17 Coated metal halide

Luminaires 3' from wall

Distance from ceiling in Feet

	3'		
1'	27	24	27
2'	45	43	45
3'	61	58	61
4'	71	68	71
5'	66	65	66
6'	55	5	55
7'	44	45	44
8'	35	36	35
9'	28	28	28
10'	22	23	22
11'	18	18	18
12'	15	15	15
13'	12	12	12
14'	10	10	10



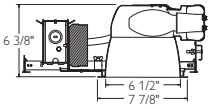
Example: 42w with multiple clear reflector units located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 47 f.c. beneath units and 47 f.c. between units.

Uniframe HID trims

6¾" Trims

Uniframe HID 6¾" trims provide commercial level lumen performance and flexibility. Designed around higher lamp wattages, they are an ideal solution in applications with high ceilings where energy efficiency is a must. All open trims utilize an ED17 lamp in vertical and horizontal lamping for optimal performance.

6¾" Uniframe HID horizontal open downlight – ED17

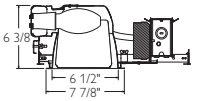


Catalog no.	Description
1101HCL	Specular clear
1101HCD	Clear diffuse

Reference data	
Reflector	1101HCL
Lamp	100W ED17
Lamp lumens	7900
Efficiency	56.0%
Spacing criteria	1.42

Frame-in kit	Wattage	Lamping
1101HIDED50U	50w	ED17 Open
1101HIDED70U	70w	ED17 Open
1101HIDED100U	100w	ED17 Open
1101HIDED50ULC	50w	ED17 Open
1101HIDED70ULC	70w	ED17 Open
1101HIDED100ULC	100w	ED17 Open

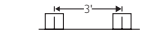
6¾" Uniframe HID horizontal open wall wash – ED17



Catalog no.	Description
1101HCLSW	Specular clear
1101HCDSW	Clear diffuse

Frame-in kit	Wattage	Lamping
1101HIDED50U	50w	ED17 Open
1101HIDED70U	70w	ED17 Open
1101HIDED100U	100w	ED17 Open
1101HIDED50ULC	50w	ED17 Open
1101HIDED70ULC	70w	ED17 Open
1101HIDED100ULC	100w	ED17 Open

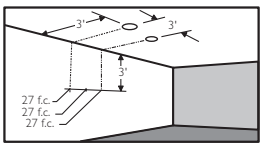
Luminaires 3' from Wall



Distance from Ceiling in Feet

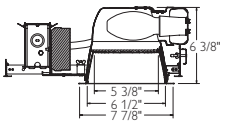
1'	**46**	**31**	**46**
2'	85	81	85
3'	107	118	107
4'	96	104	96
5'	79	78	79
6'	57	61	57
7'	43	47	43
8'	34	36	34
9'	27	28	27
10'	21	22	21
11'	17	18	17
12'	14	14	14
13'	11	12	11
14'	9	10	9

Lighting Data
Footcandles on Wall: Multilpe Units



Example: With multiple clear reflector units located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 107 f.c. beneath units and 118 f.c. between units.

6¾" Uniframe HID horizontal lensed downlight – ED17



Catalog no.	Description
1101HCLFHID	Specular clear cone, fresnel lens
1101HCDFHID	Clear diffuse cone, fresnel lens

Reference data	
Reflector	1101HCLFHID
Lamp	100W ED17
Lamp lumens	7900
Efficiency	66.0%
Spacing criteria	0.96

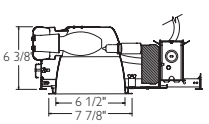
Frame-in kit	Wattage	Lamping
1001HIDED50U	50w	ED17 Open
1001HDED70U	70w	ED17 Open
1001HIDED50ULC	50w	ED17 Open
1001HDED70ULC	70w	ED17 Open

Multiple Unit Data - RCR 2

Spacing On Ctr.	Avg. Initial Footcandles	Watts/ Sq. Ft.
6'	129	2.84
8'	90	1.97
10'	57	1.26

38'x38'x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

6¾" Uniframe HID horizontal open downlight – ED17 with T4 auxiliary lamp holder



Catalog no.	Description
1101HCLAUX	Specular clear
1101HCDAUX	Clear diffuse

Reference data	
Reflector	1101HCLAUX
Lamp	100W ED17
Lamp lumens	7900
Efficiency	56.0%
Spacing criteria	1.42

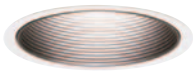
Frame-in kit	Wattage	Lamping
1101HIDED70UAUX	70w	ED17 Open
1101HIDED100UAUX	100w	ED17 Open

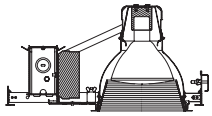
Uniframe HID trims

6¾" Trims

Uniframe HID also provides trims with a built in auxiliary option. In the event power is interrupted momentarily, a T4 lamp will provide the necessary illumination until the HID lamp restrikes and warms up.

6¾" Uniframe HID step baffle - PAR

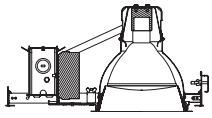




Catalog no.	Description
1105HID	Matte Black baffle
1105WHHID	Matte white Baffle

Frame-in kit	Wattage	Lamping (CMH)
1101HIDP39U	39w	PAR30 long
1101HIDP70U	70w	PAR30 long / PAR38
1101HIDP100U	100w	PAR 38
1101HIDP39ULC	39w	PAR30 long
1101HIDP70ULC	70w	PAR30 long / PAR38
1101HIDP100ULC	100w	PAR 38

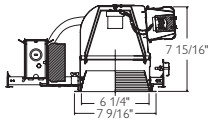
6¾" Uniframe HID aperture cone - PAR



Catalog no.	Description
1113HID	Specular clear
1113CDHID	Clear diffuse

Frame-in kit	Wattage	Lamping (CMH)
1101HIDP39U	39w	PAR30 long
1101HIDP70U	70w	PAR30 long / PAR38
1101HIDP100U	100w	PAR 38
1101HIDP39ULC	39w	PAR30 long
1101HIDP70ULC	70w	PAR30 long / PAR38
1101HIDP100ULC	100w	PAR 38

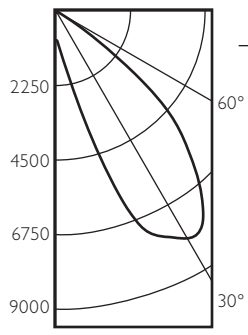
6¾" Uniframe HID adjustable aperture cone - PAR



Catalog no.	Description
1127HID	Black baffle
1127WHHID	White baffle
1127CDHID	Clear diffuse
1148HID	Specular clear

Frame-in kit	Wattage	Lamping (CMH)
1101HIDP39U	39w	PAR30 long
1101HIDP70U	70w	PAR30 long / PAR38
1101HIDP100U	100w	PAR 38
1101HIDP39ULC	39w	PAR30 long
1101HIDP70ULC	70w	PAR30 long / PAR38
1101HIDP100ULC	100w	PAR 38

70W PAR 30 Ceramic MH - flood, lamp lumens 4300 LMS, Max CBCP 7834, aimed at max tilt, beam angle 35°



Report No: 4087FR

Candlepower Distribution Angle	0° CP
0	870
5	1054
10	1762
15	3611
20	6453
25	7132
30	7785
35	7613
40	6598
45	5331
50	3853
55	1509
60	242
65	29
70	23
75	8
80	8
85	19
90	2

D	C	FC	L	W
Footcandles at center beam Aimed at horizontal surface				
D	C	FC	L	W
8'	4.2'	85	6.6'	5.7'
10'	5.2'	55	8.2'	7.1'
12'	6.2'	38	9.9'	8.5'
14'	7.3'	28	11.5'	10.0'

D	C	FC	L	W
Footcandles at center beam Aimed at horizontal surface				
D	C	FC	L	W
3'	5.8'	86	14.0'	4.1'
4'	7.7'	48	18.7'	5.5'
5'	9.6'	31	23.4'	6.8'
6'	11.5'	21	28.0'	8.2'

Auxiliary lighting for recessed HID luminaires and cylinders (A)

HID lamps require a "warm-up" period of 5 to 10 minutes to reach full output. Additionally, when these lamps are extinguished they must cool for 5 to 15 minutes before they will relight. Outage can be caused by momentary power failure, substantial voltage reduction or cycle changes.

To provide a minimum level of illumination, a double-contact bayonet socket and solid-state switching device, (for use with a 120V tungsten-halogen lamp) operate during initial HID lamp warm-up, or cold-off-and-restart period.

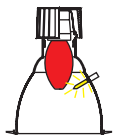
The tungsten-halogen lamp remains on until the HID lamp reaches approximately 60% of its light output.

Note: The auxiliary is not emergency lighting and will only operate when there is power to the luminaire.

Maximum Tungsten-Halogen Lamp Wattage

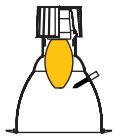
HID Lamp	**Tungsten-halogen lamp T-4, 120V Double-contact bayonet**
70W-100W ED17	100W

Mode of operation



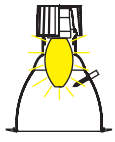
Initial start

HID lamp and tungsten halogen lamp both energized. HID lamp starts warming up; tungsten-halogen lamp at full output.



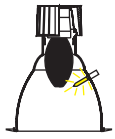
Partial warm-up

HID lamp reaches approximately 60% light output; tungsten-halogen lamp switched off.



Full warm-up

HID lamps at 100% light output.



"Hot" restart

HID lamp and tungsten-halogen lamp both energized. HID lamp too hot to start; tungsten-halogen lamp at full output. After HID lamp cools down and starts, cycle begins as in "Initial Start" above.

Lytecaster Performance incandescent housings

4", 5", 7" and 8" housings

Uniframe's three lensed products have a variety of lens styles. UL listed for wet locations, these trims provide an Incandescent-like light source in an energy efficient package ideal for showers, spas or outdoor overhangs.

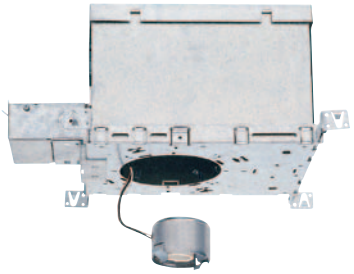
Standard IC, deep IC and AirSeal® IC

Designed for new construction where insulation will be in direct contact with the fixture. IC housings designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1" thick. Installed appearance of Deep IC precisely matches Lytecaster Non-IC Frame-in Kits. Fully gasketed AirSeal® IC housings minimize air leakage for compliance with MEC and WSEC. Mounting bars lock to T-bar ceiling runners without accessories, UL listed for through wiring, integral cable clamps for nonmetallic (Romex®) cable.

AirSeal®	2000IC 2000AIC	1000IC 1000AICM	1100IC 1100AICM	1100DICM 1100DAICM
Cut out (A)	3 11/16"	5 1/8"	6 13/16"	6 13/16"
Width (W)	7 1/2"	9"	9"	9"
Length (L)	10 1/4"	15 1/2"	15 1/2"	15 1/2"
Depth (D)	5 1/2"	7 5/16"	7 5/16"	9 1/4"

Performance PAR non-IC

Designed for new construction where insulation will not be installed. Performance PAR Non-IC is specifically designed for use with Performance PAR Recessed Adjustable reflector trims. Accommodates ceilings up to 1" thick. Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories.



	2000P1	1000P1	1700P1
Cut out (A)	3 11/16"	5 1/8"	7 7/8"
Width (W)	7 1/2"	9"	10 7/8"
Length (L)	10 1/4"	15 1/2"	15 1/2"
Depth* (D)	5 1/2"	6 7/8"	9 3/4"

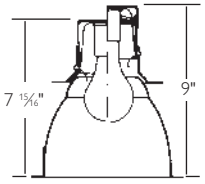
Lytecaster Performance incandescent trims

6¾" Reflector trims

This selection of 6¾" open downlights provides superior performance for general lighting applications requiring greater lumen output.

- Created of the highest quality aluminum, deep anodized reflectors feature a specular, mirror-like finish that provides 40% more light than black baffle downlights, superior cut-off, and the best glare control.

6¾" Deep anodized



Reflector

1145	Specular gold
1146	Specular clear
1146CD	Clear diffuse

A19

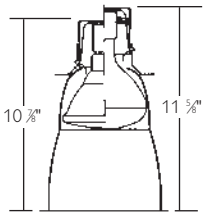
100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	32	8'
10'	17	11'
12'	11	14'
Multiple units /S.R.=1.1		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	75	61
6'	33	27
8'	19	16

A21

150W A21 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	54	8'
10'	29	11'
12'	18	14'
Multiple units /S.R.=1.1		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	125	102
6'	55	45
8'	31	26

Frame-in Kit	Ceiling	Lamping A19	A21	BR30	PAR38
1102P1	Non-IC	100W	150W	85W	—
1103R	Non-IC Exist.	100W	150W	85W	—
1100DAICM	Deep AirSeal IC	100W	—	85W	100W
1100DICM	Deep IC	100W	—	85W	100W

6¾" Deep anodized



Reflector

1149	Specular black
1150	Specular gold
1151	Specular clear
1151CD	Clear diffuse

BR40

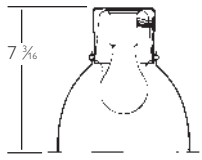
150W BR40 FL Single		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	68	4'
10'	37	6'
12'	23	7'
Multiple units /S.R.=0.7		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	89	75
6'	40	33
8'	22	19

PAR38

250W PAR38 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
10'	164	4'
12'	103	5'
14'	70	6'
Multiple units /S.R.=0.5		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	217	195
5'	139	124
6'	96	87

Frame-in Kit	Ceiling	Lamping PAR38	PAR38 Cool Beam	BR40
1102P1	Non-IC	250W	150W	150W
1103R	Non-IC Exist.	250W	150W	150W

6¾" Shallow anodized



Reflector

1143	Specular gold
1144	Specular clear
1144CD	Clear diffuse

A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	28	9'
10'	15	13'
12'	10	16'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	82	67
6'	36	30
8'	20	17

PAR30

Frame-in Kit	Ceiling	Lamping A19	BR30	PAR30	BR40
1102P1	Non-IC	100W	—	—	—
1103R	Non-IC Exist.	100W	—	—	—
1104ICX**	AirSeal IC	100W	—	—	—
1100DAICM	Deep AirSeal IC	100W	—	—	—
1100DICM	Deep IC	100W	—	—	—
1104IC**	IC/Non-IC	75/W/100W	85W/85W	75W/75W	—
1104ICR	IC/Non-IC Exist.	75/W/100W	85W/85W	75W/75W	—
1100IC	IC	100W	—	—	—
1100AICM	AirSeal IC	100W	—	—	—

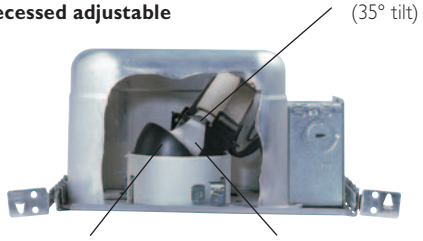
* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

Lytecaster Performance incandescent trims

6¾" Accent lighting - line voltage trims

Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces. It is typically achieved with adjustable downlights whose beams can be carefully aimed.

Performance PAR recessed adjustable



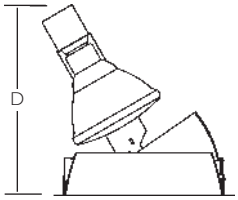
Performance PAR recessed accent

Designed for high impact accent lighting, this selection of reflector trims can be carefully aimed to deliver light exactly where it is needed.

- **7 1/2" Performance PAR Adjustable** utilizes the PAR38 lamp to provide powerful, deeply recessed accent lighting in retail and commercial applications.

7 ½" Performance PAR recessed adjustable

Frame-in Kit	Ceiling	Lamping PAR38
1700P1	Non-IC	150W



Vertical tilt: 35°

Reflector	
1738CL†	Specular clear
1738GD†	Specular gold

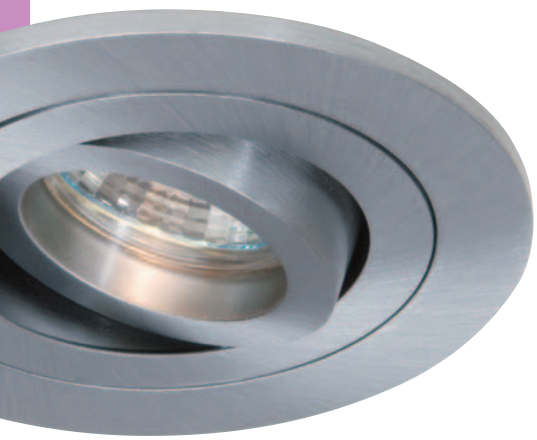
Ardee

Quality materials and intelligent designs combine to create a multitude of lighting effects for all applications.

These high quality functional and decorative lighting fixtures can create inviting lighting effects for all applications.

Contents

Focus & Variante > 1.208
ModuleX M3 > 1.215
MatreX > 1.230
Indigo > 1.235
Hover CF > 1.238



Focus & Varianti

Small aperture downlight

The Focus and Varianti Series of recessed downlights is a collection of small aperture (3" and 3.5" diameter) precision machined trims and rough-ins engineered for a variety of commercial and residential applications.

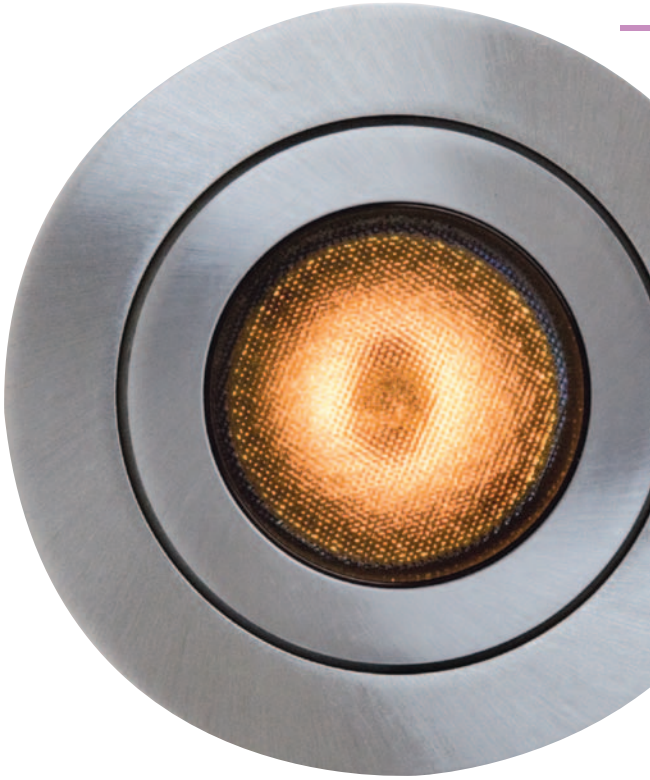
These high quality fixtures are offered in seven standard contemporary finishes to meet the demands for sophisticated lighting solutions where function and finish are critical. Choose from either of the two styles of fixed lamp trims or the adjustable lamp trims, all designed to accept MR-16 and MR-11 lamps.

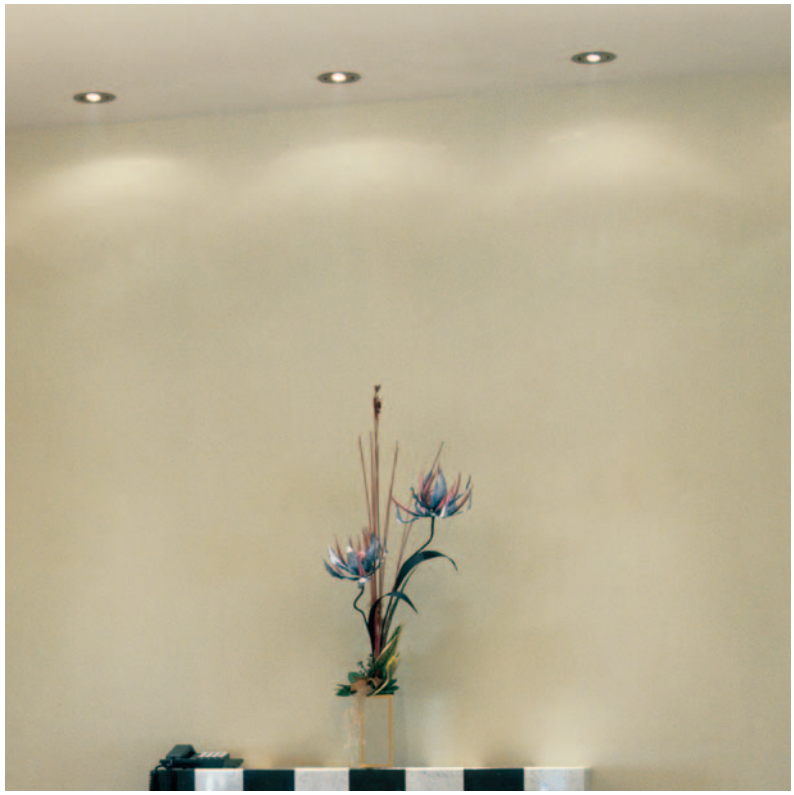
Focus & Varianti

Small aperture downlight

Features

- Focus and Varianti offer the ability to change the lamp without having to remove the entire trim from the ceiling. The machined inner lamp ring simply and easily snaps in and out of the outer ring which remains in place, acting as a barrier to the ceiling opening so a pristine ceiling surface is maintained.
- Focus trims have a fixed lamp position in either a shallow or deep regressed lamp configuration. This gives the option of creating sparkle or subtleness on the ceiling plane, further defining the ambience of the space.
- Varianti trims have an adjustable lamp holder designed to provide flexible accent lighting for artwork, walls and millwork.
- Focus and Varianti surface trims are listed for use in display cases, millwork lighting, and cabinet applications when used with the ultra-shallow cabinet rough-in. A remote transformer is required to provide power to single or multiple fixtures.
- Flush trim rough-ins created especially for Focus and Varianti. Ideal for drywall ceiling applications where an integrated and flush appearance enhances the quality of the space.
- All Focus and Varianti trims accept up to two optical accessories that can be combined or used individually. Select from various spread lenses, color filters, and brightness control louvers to create custom light distribution and effects.
- Four plated and three painted trim finishes are standard. Consult factory for custom colors.

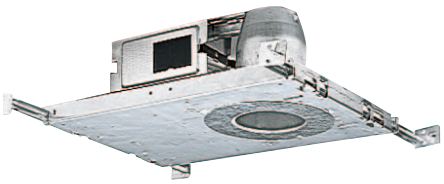




Focus & Varianti housing

Small aperture downlight rough-ins

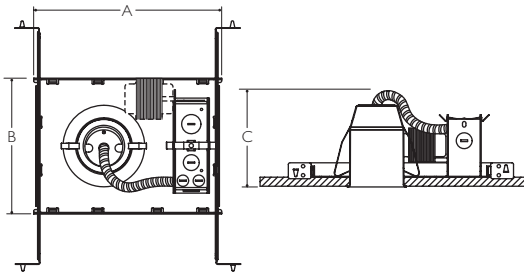
Focus/Varianti downlight trims require the use of downlight rough-ins for UL listed installation.



Standard construction

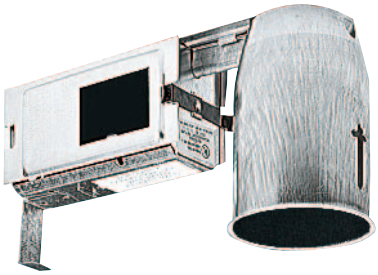
Thermally protected housing with an integral magnetic or electronic transformer to provide 12V power to the trim. Galvanized steel plaster frame, can and junction box construction. Requires above-ceiling access for installation. Operates at 120V, 60Hz. Includes hanger bars. 277V, 60Hz transformer available.

Flush trim rough-ins created especially for Focus and Varianti. Ideal for drywall ceiling applications where an integrated and flush appearance enhances the quality of the space.



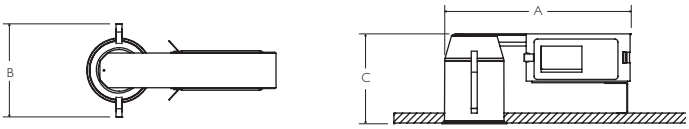
Series **Dimensions**

	A		B		C
	min	max	min	max	
A30S	10.37" 264 mm	27" 686 mm	7.5" 191 mm	21" 533 mm	5.32" 135 mm
A35S	10.37" 264 mm	27" 686 mm	7.5" 191 mm	21" 533 mm	5.32" 135 mm



Remodel

Thermally protected housing with an integral magnetic transformer to provide 12V power to the trim. Galvanized steel can and suspension arm construction. May be installed from room side without above-ceiling access. Operates at 120V, 60Hz. Includes support clips. 277V, 60Hz transformer available. Flush trim style available for remodel series.



Series **Dimensions**

	A	B	C
A30R	9.41" 239 mm	4.7" 119 mm	4.54" 115 mm
A35R	11.54" 293 mm	4.95" 126 mm	5.34" 136 mm

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Example: A30SFT-120-E

A30S [ ] – [ ] – [ ]

Series

A30S	**A35S**	**A30R**	**A35R**
3" Standard surface mount rough-in	3.5" Standard surface mount rough-in	3" remodel surface mount rough-in	3.5" remodel surface mount rough-in

Trim Option

Leave blank for standard trim	**FT** Flush trim available for Focus and Varianti only

Voltage

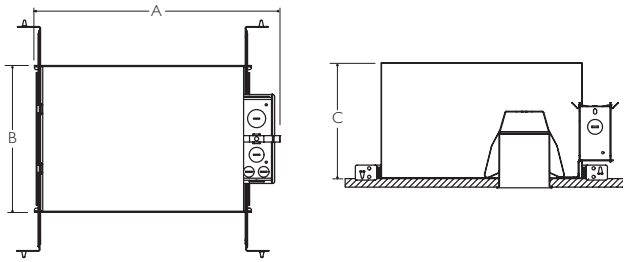
120	**277**	**12**
120v	277v	Remote

Electronic transformer option

E
Electronic
(Not available for remote transformer)

Focus & Varianti housing

Small aperture downlight rough-ins



IC Rated

Thermally protected housing for use in insulated ceilings. An integral magnetic transformer provides 12V power to the trim. Fully enclosed galvanized steel, shoebox-style construction. Requires above-ceiling access for installation. Operates at 120V, 60Hz. Includes hanger bars. UL listed for dry or damp locations.

Flush trim rough-ins created especially for Focus and Varianti. Ideal for drywall ceiling applications where an integrated and flush appearance enhances the quality of the space.

Series	Dimensions			
	A		B	C
		min	max	
A30I	14.44" 367 mm	8.62" 219 mm	21.0" 533 mm	6.8" 173 mm
A35I	14.44" 367 mm	8.62" 219 mm	21.0" 533 mm	5.32" 135 mm

Dimensions listed above are for IC rough-ins using magnetic transformers.
Refer to spec sheet for specific dimensions on other rough-in variations.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. **Example:** A30IFT-35-120

Series

A30I 3" IC rated rough-in	**A35I** 3.5" IC rated rough-in	**A30AT** 3" Air tight/IC rough-in	**A35AT** 3.5" Air tight/IC rough-in	**A30CC*** 3" City of Chicago rough-in	**A35CC*** 3.5" City of Chicago rough-in

Trim options

Leave blank for standard trim	**FT** Flush trim available for Focus and Varianti only

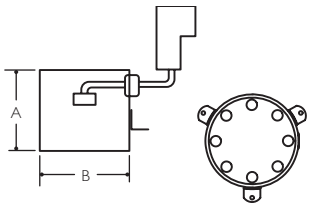
Wattage (maximum)

35 35w max.	**50** 50w max. (3.5" City of Chicago only)

Voltage

120 120v	**277** 277v

*City of Chicago only approved (Non-IC)



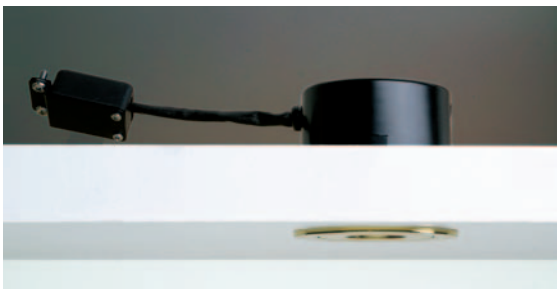
Ordering information

To specify a complete catalog number, select below, and select a transformer from page 1.212.

A30C-12 3" cabinet fixture rough-in
A35C-12 3 ½" cabinet fixture rough-in

Listed low voltage cabinet light rough-in

Series	Dimensions		
	A	B	Cutout dim.
A30C-12	2.875" 73 mm	3.188" 81 mm	3.25" 82.5 mm
A35C-12	2.875" 73 mm	3.531" 89.6 mm	3.625" 92 mm



Cabinet can

Ultra shallow housing for use with remote mounted transformers. UL listed for use in display cases, millwork, and cabinet applications. 35 watts max. Miniature junction box with 1/2" knockout supplied with cabinet can for connecting to Class I or Class II transformers, ordered separately (see page 1.212).

Electronic transformer

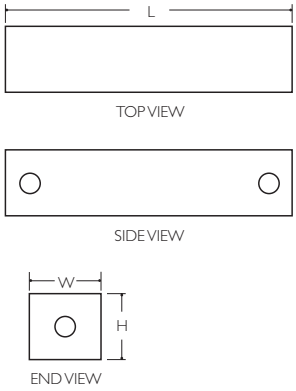
TE Series

Ordering information

TE Series electronic transformers

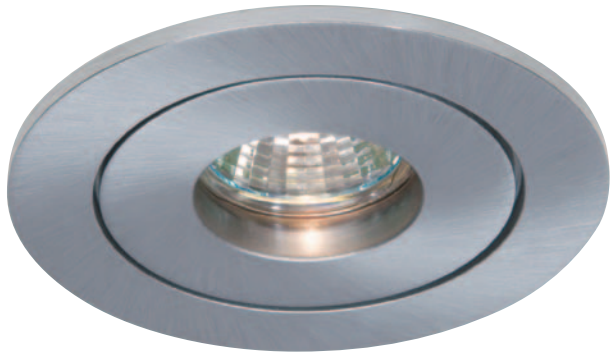
Listed, features lightweight and compact design with self-resetting short circuit and overload protection. Dimmable using some compatible incandescent dimmers. 120 volt primary, secondary voltage as indicated. Refer to chart below for minimum load requirements. Maximum remote mounting distance is 20 feet.

Class I Transformers			
Catalog number	**Description**		
TE72X	75 watt	12 volt	non-enclosed
TE72B	75 watt	12 volt	enclosed
TE74X	75 watt	24 volt	non-enclosed
TE74B	75 watt	24 volt	enclosed
TE152	150 watt	12 volt	enclosed
TE154	150 watt	24 volt	enclosed
TE32	300 watt	12 volt	enclosed
TE34	300 watt	24 volt	enclosed
Class II Transformers			
Catalog number	**Description**		
TE62X	60 watt	12 volt	non-enclosed
TE62B	60 watt	12 volt	enclosed
TE64X	60 watt	24 volt	non-enclosed
TE64B	60 watt	24 volt	enclosed



Dimension key			
Transformer	**L**	**W**	**D**
TE72X	2.1"	1.294"	0.79"
TE72B	4.0"	4.0"	1.5"
TE74X	2.6"	1.294"	0.79"
TE74B	4.0"	4.0"	1.5"
TE152	6.5"	1.5"	1.38"
TE154	6.5"	1.5"	1.38"
TE32	9.38"	1.63"	1.44"
TE34	9.38"	1.63"	1.44"
TE62X	2.625"	1.375"	1.125"
TE62B	4.0"	4.0"	1.5"
TE64X	2.625"	1.375"	1.125"
TE64B	4.0"	4.0"	1.5"

Focus trims



3" Trims

Focus is a fixed position recessed downlight trim series available for MR-16 and MR-11 lamps. The trim is made from two precision-machined metal rings. This two ring construction makes for easy re-lamping and ideal heat dissipation. A spring tension lamp holder ensures positive lamp placement and allows the use of two optional lenses and louvers at the same time. Select either shallow or deep lamp position. Machined aluminum trims are powder coat painted white, black and metallic silver. Machined brass trims are plated chrome, matte aluminum, black nickel and polished natural brass. Consult factory for custom colors or finishes.

Specifications

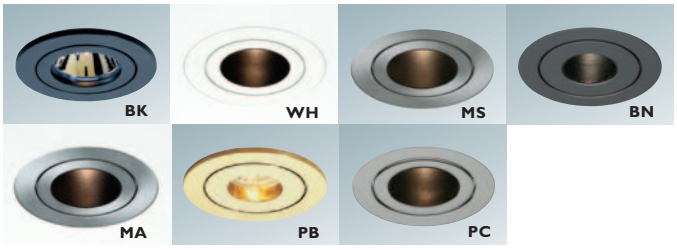
Fixed position center ring capable of utilizing two (2) media accessories in conjunction with one MR-16 or MR-11 lamp. Snap-in/ Pull-out center ring assembly provides convenient lamp servicing.

Listed for use with Ardee Lighting A30 series low-voltage rough-in downlight housings. Suitable for use in damp locations.

Lamp: Enclosed MR-16 or MR-11, 12 volt, or open MR-16 or MR-11 12 volt lamp and added protective lens. MR-11 and MR-16: 35 watts maximum. MR-16 LED retrofit available.

Rough-ins: refer to pages 1.210 and 1.211. Order separately.

Finishes



Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Example: DL22WH

DL		

Series

DL
Focus downlights

Style

22	23	24	25
Focus MR-11 3" shallow	Focus MR-16 3" shallow	Focus MR-11 regressed 3" shallow	Focus MR-16 regressed 3" shallow

BK	WH	MS	BN	MA	PB	PC
Black	White	Metallic silver	Black nickel	Matte aluminum	Polished brass	Polished chrome

Varianti trims

3" Trims

Varianti is an adjustable recessed downlight trim series available for MR-11 and MR-16 lamps. The trim is made from three precision-machined metal rings. This three ring construction makes for easy re-lamping and ideal heat dissipation. A spring tension lamp holder insures positive lamp placement and allows the use of two optional lenses and louvers at the same time. Machined aluminum trims are powder coat painted white, black and metallic silver. Machined brass trims are plated chrome, matte aluminum, black nickel and polished natural brass. Consult factory for custom colors or finishes.

Specifications

Rotating center ring pivots 35 degrees in either direction, capable of utilizing two (2) media accessories in conjunction with one MR-11 or MR-16 lamp. Snap-in/Pull-out center ring assembly provides convenient lamp servicing.

Listed for use with Ardee Lighting A30 (DL19) and A35 (DL21) series low-voltage rough-in downlight housings. Suitable for use in damp locations.

Lamp: Enclosed MR-11 or MR-16, 12 Volt, or open MR-11 or MR-16 12 volt lamp and added protective lens. MR-11: 35 watts maximum & MR-16: 50 watts maximum. MR-16 LED retrofit available.

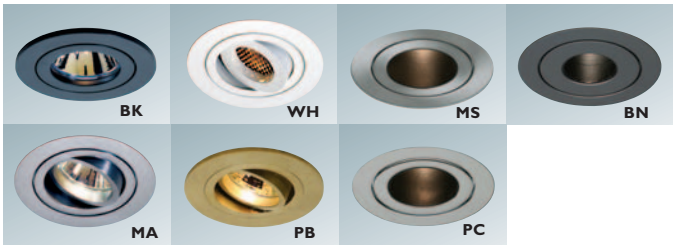
Rough-ins: refer to pages 1.210 and 1.211. Order separately.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Example: DL19MS

Finishes



LED Options						
DL						

Series

DL Varianti downlights

Style

19 Varianti MR11 3" shallow

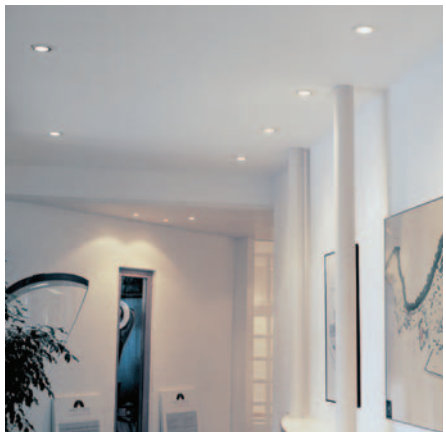
21 Varianti MR16 3.5" shallow

BK	WH	MS	BN	MA	PB	PC
Black	White	Metallic silver	Black nickel	Matte aluminum	Polished brass	Polished chrome

ModuleX M3

Trims

ModuleX M3 miniature downlighting provides the opportunity to define a space with a variety of trim styles. Emphasize the space with simple lines using round or square trims or add a trim accessory for a decorative look.



Features

- 3 ½" aperture Round or Square trims provide design versatility when mixing and matching optics and trim accessories.
- The choice is as simple as selecting a round or square trim style, lamp, optic, and trim accessory, all in one single product line.
- The high quality die-cast trims attach to the fixture housing with a twist-lock mounting system that provides a secure connection to housing.
- ModuleX M3 Series miniature ceramic metal halide provides up to 81% efficiency when combined with the ModuleX M3 downlight optics offered in 17° spot and 40° flood beam distributions.
- High color rendering and 3000°K Color Temperature make the ceramic metal halide lamp the ideal light source for retail, commercial, and educational projects.
- Traditional halogen sources in MR16 and Bi-Pin styles provide additional lighting solutions where warm Color Temperature or dimming is desired.
- Machine-spun reflectors and aluminum cones are designed specifically to enhance performance of halogen and metal halide lamps, maximizing efficiency and creating smooth light distribution.
- Adjustable lamp trim permits focused lighting techniques with comfort.
- Wall washer optics provide additional versatility making Modulex M3 Series a complete family of downlight products.
- Decorative glass and functional shielding elements are offered in a variety of designs.
- Floating glass and accent glass elements are lightly frosted to create a soft glow of illumination at the ceiling plane and an efficient main beam of light passing through the center, while maintaining a high degree of efficiency.
- Flat and dome style lenses are offered in lightly frosted textures to provide smooth and wide distribution. Most trim accessories are suitable for wet locations.
- Functional elements, cross blade louver, center disk, and center cowl, are designed to provide additional lamp shielding in a choice of styles.
- The ModuleX M3-1, M3-2, M3-3, M3-6 and M3-7 Series are c SP us Listed for use as a downlight when used with an Ardee Series A35 rough-in; M3-4, M3-5, M3-8 Series c SP us Listed for use as a cabinet light without rough-in. M3-9 (IC rated) c SP us Listed for use as a downlight when used with supplied rough-in. ModuleX M3 Halogen downlights (M3-1, M3-2) are c SP us Listed for use in wet locations when provided with a lensed trim and Ardee Series A35 rough-in for ceiling mount only.

ModuleX M3 housing

Rough-ins

ModuleX M3 downlight trims shown in this catalog require the use of downlight rough-ins for UL listed installation.

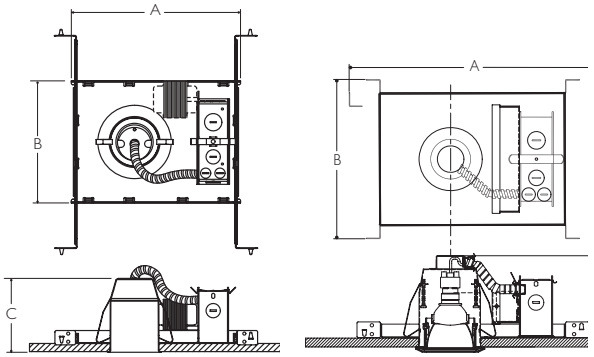
Standard construction

Low voltage

Thermally protected housing with an integral magnetic or electronic transformer to provide 12V power to the trim. Galvanized steel plaster frame, can and junction box construction. Requires above-ceiling access for installation. Operates at 120V, 60Hz. Includes hanger bars. 277V, 60Hz transformer available.

Metal halide

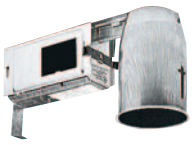
Thermally protected housing with integral electronic ballast (120V, 50/60 Hz). Galvanized steel plaster frame, can and junction box die-formed galvanized steel construction. Requires above-ceiling access for installation.



Series **Dimensions**

	A		B		C
	min	max	min	max	
A35S	10.37" 264 mm	27" 686 mm	7.5" 191 mm	21" 533 mm	5.32" 135mm

Remodel

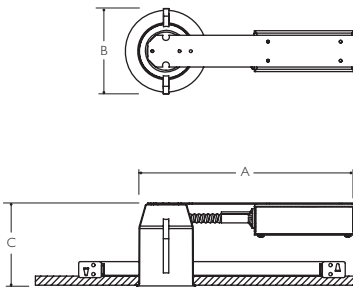


Low voltage

Thermally protected housing with an integral magnetic transformer to provide 12V power to the trim. Galvanized steel can and suspension arm construction. May be installed from room side without above-ceiling access. Operates at 120V, 60Hz. Includes support clips. 277V, 60Hz transformer available.

Metal halide

Thermally protected housing with integral electronic ballast (120V, 50/60 Hz). Galvanized steel can and suspension arm construction. May be installed from room side without above-ceiling access.



Series **Dimensions**

	A	B	C
A35R	11.54" 293 mm	4.95" 126 mm	5.34" 136mm

Dimensions listed above are for rough-ins using magnetic transformers. Refer to spec sheets for specific dimensions on other rough-in variations. Detailed specification sheets can be found in PDF format in the download section of the Ardee Lighting web site.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Example: A35SMH20-120

Ordering Code

Series

A35S
3.5" Standard Surface Mount Rough-in

A35R
3.5" Remodel Surface Mount Rough-in

Lamping

Leave blank for MR16 Halogen

MH20
Philips CDM-TM20w/830 BT5 M3-3 Series

MH20T4
GE CMH20T/U830 GU6.5 T4 M3-6 Series

MH20MR
GE CMH20MR16/830 MR16 M3-7 Series

Voltage

120 - 120v

277 - 277v
(not available for MH20)

12 - Remote
(not available for Metal Halide)

Electronic transformer option

E
Electronic

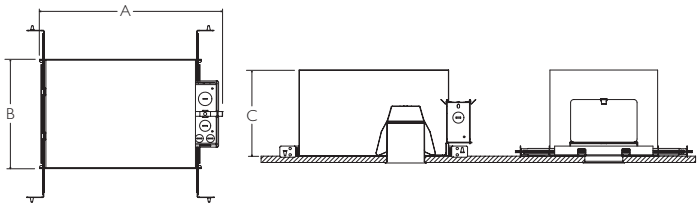
ModuleX M3 housing

Rough-ins

IC Rated

Low voltage

Thermally protected housing for use in insulated ceilings. An integral magnetic transformer provides 12V power to the trim. Fully enclosed galvanized steel, shoebox-style construction. Requires above-ceiling access for installation. Operates at 120V, 60Hz. Includes hanger bars. UL listed for dry or damp locations.



Series	Dimensions			
	A	B		C
		min	max	
A35I	14.44" 367 mm	8.62" 219 mm	21" 533 mm	6.38" 173 mm

Dimensions listed above are for rough-ins using magnetic transformers. Refer to specification sheets for specific dimensions on other rough-in variations. Detailed spec sheets can be found in PDF format in the download section of the Ardee Lighting web site.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Example: A35I-35-120

Ordering code

Series

A35I
3.5" IC-Rated surface mount rough-in

A35AT
3.5" Air tight/IC surface mount rough-in

A35CC
3.5" Air City of Chicago surface mount rough-in

Wattage (maximum)

35
35w max
(20w max for Wall Washer)

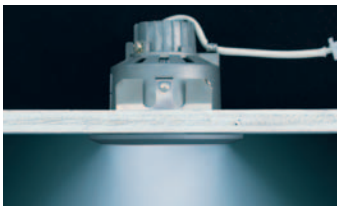
50
50w max
City of Chicago only

Voltage

120
120v

277
277v
(City of Chicago only)

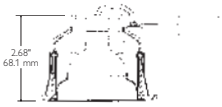
Cabinet lighting



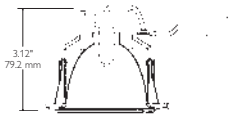
Low voltage

Enclosed trim body for use with remote mounted transformers (see page 1.212). CSA listed for use in display cases, millwork, and cabinet applications. 35 watt max. Includes low voltage wiring junction box. No rough-in housing required.

M3-4 Series cabinet lighting (MR-16 halogen)

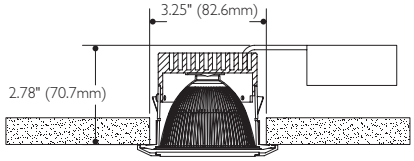


M3-5 Series cabinet lighting (bi-pin halogen)



M3-4 and M3-5 Series cabinet lights include miniature junction box with ½" knockout, supplied with enclosed trim body for connecting to Class I or Class II transformers. Order transformer separately (see page 1.212). No rough-in housing required.

M3-8 Series cabinet lighting (LED)



Mounting Detail

M3-8 Series LED cabinet light includes an integral transformer.

ModuleX M3 halogen trims

4" MR16 halogen trims

Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

Example: M3-102WH-RWH-03

Ordering code

M3 – ___ ___ ___ – ___ ___ – ___ – ___

Series

M3
ModuleX

Lamping

1
MR16 halogen

4
MR16 Halogen Cabinet
35 watt max
(accepts optic style 01 only)

Optic style

01	02	03	04	05	06	07	08	09	10
Shallow regress	Fixed deep cone	Fixed deep baffle	Adjustable deep cone	Adjustable deep baffle	Wall washer	Open adjustable	Oval Slot (Black RF only)	Pin-Hole (Black RF only)	Gimbal (00 RF/Round Trim only)

Reflector finish

WH	BK	MC	CH	OO
White	Black	Matte chrome	Chrome	Gimbal (self-finish)

Shape

R	S
Round	Square (Gimbal accepts round only)

Finish

WH	BK	MS	SN	CH	GD
White painted	Black painted	Metallic silver painted	Satin nickel plated	Chrome plated	Polished gold plated

Accessory

00	01	02	03	04	05	06	07	08	09	10
Clear glass lens*	Center disk* (fixture finish)	Frosted glass lens*	Frosted glass dome*	Cross-blade louver	Cowl (black)	Frosted glass ring*	Frosted glass cone*	Round floating frosted glass*	Square floating frosted glass*	Clear center-frosted lens*

Option

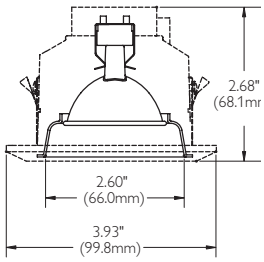
W
* Suitable for Wet Locations
(not available with Accessories 04 or 05)

WH BK MS SN CH GD

ModuleX M3 halogen trims

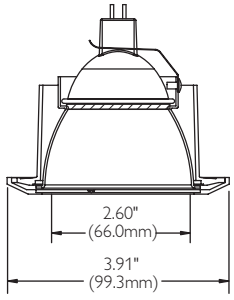
4" MR16 halogen trims

- Choose an optic style below and corresponding ordering code for creating a complete product.



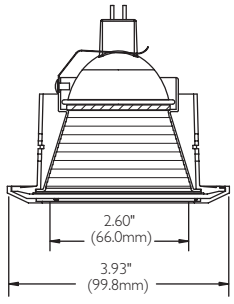
01 Fixed lamp, shallow regress

Accepts accessories 00, 01, 02, 03, 06, 07, 08, 09, 10 (does not accept 04 or 05)



02 Fixed lamp, deep regress

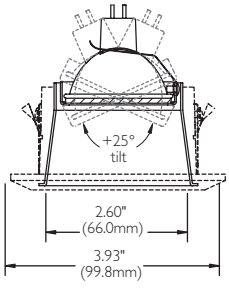
Accepts all accessories 00 through 10



03 Fixed lamp, deep baffle

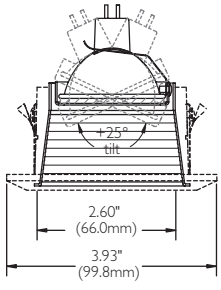
* not offered in chrome reflector finish

Accepts all accessories 00 through 10



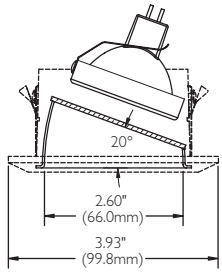
04 Adjustable lamp, deep regress

Accepts all accessories 00 through 10



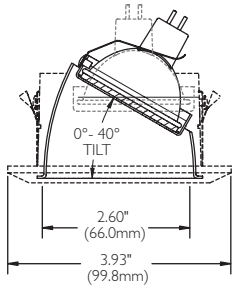
05 Adjustable lamp, deep baffle

Accepts all accessories 00 through 10



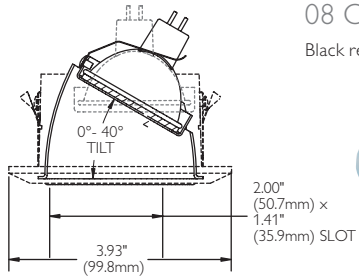
06 Lens wall washer

Accepts accessory 00 only



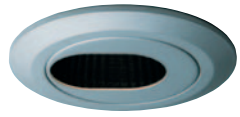
07 Adjustable lamp, bias cut cone

Accepts accessory 00 only

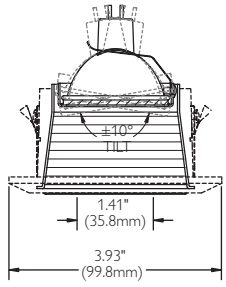


08 Oval slot, 1.4"W x 2"L

Black reflector only

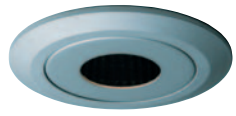


Accepts accessory 00 only

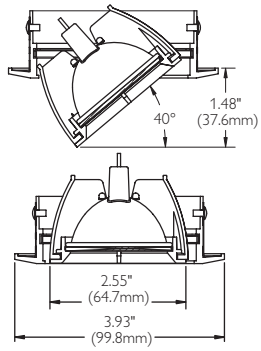


09 Pinhole, 1.4" diameter

Black reflector only

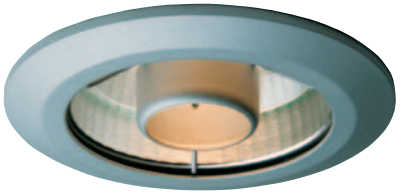


Accepts accessory 00 only



10 Gimbal (round only)

Accepts accessory 00 only



ModuleX M3 metal halide trims

4" MR16 metal halide trims

Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

Example: M3-703MC-SMS-06

Ordering code

M3 – 7 ☐☐ – ☐☐ – ☐ – ☐

Series

M3
ModuleX

Lamping

7
MR16 Metal Halide

Optic style

02	03	04	05	06	07	08	09	10
Fixed Deep Cone	Fixed Deep Baffle	Adjustable deep cone	Adjustable deep baffle	Wall washer	Open adjustable	Oval Slot (Black RF only)	Pin-Hole (Black RF only)	Gimbal (00 RF/Round Trim only)

Reflector finish

WH	BK	MC	CH	00
White	Black	Matte chrome	Chrome	Gimbal (self-finish)

Shape

R	S
Round	Square (Gimbal accepts round only)

Finish

WH	BK	MS	SN	CH	GD
White painted	Black painted	Metallic silver painted	Satin nickel plated	Chrome-plated	Polished gold plated

Accessory

00	01	02	03	04	05	06	07	08	09	10
Clear glass lens*	Center disk* (fixture finish)	Frosted glass lens*	Frosted glass dome*	Cross-blade louver	Cowl (black)	Frosted glass ring*	Frosted glass cone*	Round floating frosted glass*	Square floating frosted glass*	Clear center-frosted lens*

Option

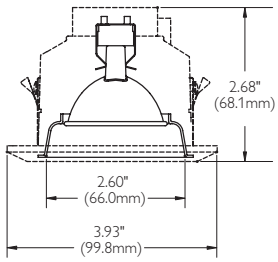
W
* Suitable for Wet Locations
(not available with Accessories 04 or 05)

WH BK MS SN CH GD

ModuleX M3 metal halide trims

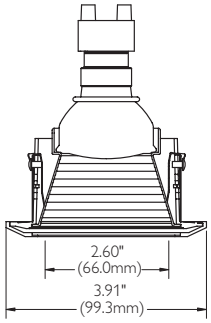
4" MR16 metal halide trims

- Choose an optic style below and corresponding ordering code for creating a complete product.



02 Fixed lamp, deep regress

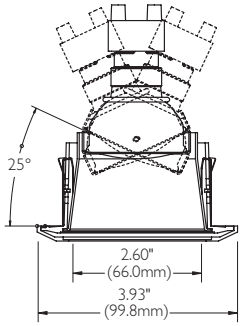
Accepts all accessories 00 through 10



03 Fixed lamp, deep baffle

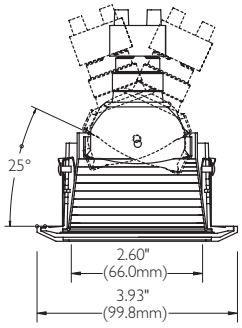
* not offered in chrome reflector finish

Accepts all accessories 00 through 10



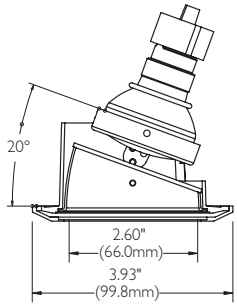
04 Adjustable lamp, deep regress

Accepts all accessories 00 through 10



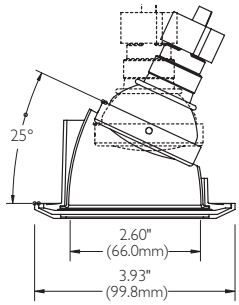
05 Adjustable lamp, deep baffle

Accepts all accessories 00 through 10



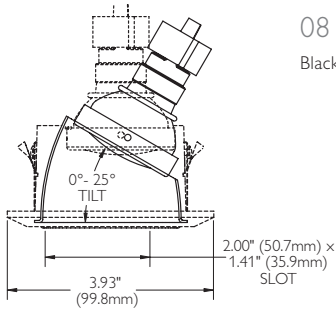
06 Lens wall washer

Accepts accessory 00 only



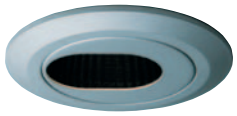
07 Adjustable lamp, bias cut cone

Accepts accessory 00 only

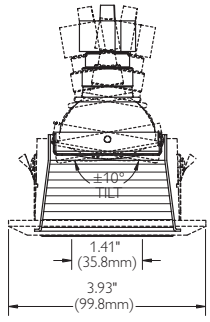


08 Oval slot, 1.4"W x 2"L

Black reflector only

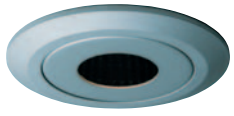


Accepts accessory 00 only

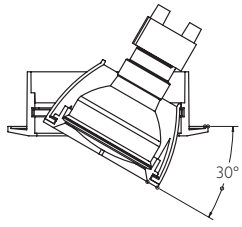


09 Pinhole, 1.4" diameter

Black reflector only



Accepts accessory 00 only



10 Gimbal

Accepts accessory 00 only

Note: Consult factory for media options.

Note: Photometric data can be found in IES format in the Download section of the Ardee Lighting web site: www.ardeelighting.com.

ModuleX M3 halogen trims

4" Bi-pin halogen trims

Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

Example: M3-221MC-RMS-07

Ordering code

M3	–			MC	–			–		–	

Series

M3
ModuleX

Lamping

2
Bi-Pin Halogen
50w Max

5
Bi-Pin Halogen
35w Max
Cabinet

Optic style

21
Fixed deep
17° beam

22
Fixed deep
40° beam

24
Wall washer
with kicker

Reflector finish

MC
Matte chrome

Shape

R
Round

S
Square

Finish

WH
White painted

BK
Black painted

MS
Metallic silver painted

SN
Satin nickel plated

CH
Chrome-plated

GD
Polished gold plated

Accessory

00
Clear glass lens*

01
Center disk*
(fixture finish)

02
Frosted glass lens*

03
Frosted glass dome*

04
Cross-blade louver

05
Cowl
(black)

06
Frosted glass ring*

07
Frosted glass cone*

08
Round floating frosted glass*

09
Square floating frosted glass*

10
Clear center-frosted lens*

Option

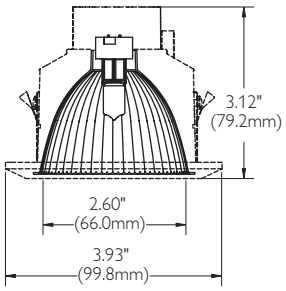
W
* Suitable for wet locations (not available with accessories 04 or 05)
M3.5 not available for wet location

WH **BK** **MS** **SN** **CH** **GD**

ModuleX M3 halogen trims

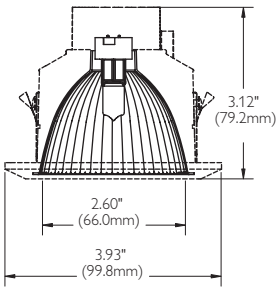
4" Bi-pin halogen trims

- Choose an optic style below and corresponding ordering code for creating a complete product.



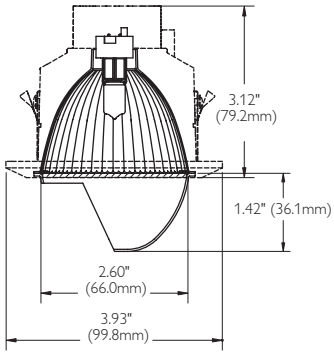
21 Fixed lamp, deep regress 17° beam

Accepts accessories 00, 02, 03, 04, 05, 06, 07, 08, 09
Not compatible with accessory 01.



22 Fixed lamp, deep regress 40° beam

Accepts all accessories 00 through 10



24 Wall washer with kicker

Accepts accessory 00 only

M3-224MC-RWH-00

50 watt GY6.35 Kicker Wall Washer

Distance from ceiling (feet)	2'-0" from wall: 2'-0" o.c.		3'-0" from wall: 3'-0" o.c.	
	Fixture Centerline	Between Fixtures	Fixture Centerline	Between Fixtures
1	19.1	18.9	10.5	10.1
2	15.4	15.2	9.7	9.5
3	14.9	14.7	8.3	8.2
4	11.4	11.2	8.3	8.5
5	9.2	9.1	7.6	7.6
6	9.2	9.0	6.3	6.1
7	10.6	10.4	6.4	6.2
8	10.2	10.1	6.4	6.2
9	9.0	9.0	6.3	6.1

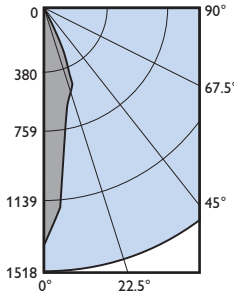
Footcandle values are based on an array of 5 fixtures, 1.0 LLF, 1.0 power factor, 80/50/20 reflectances

Note: Photometric data can be found in IES format in the Download section of the Ardee Lighting web site: www.ardeelighting.com

Photometry

M3-221MC-RWH-00

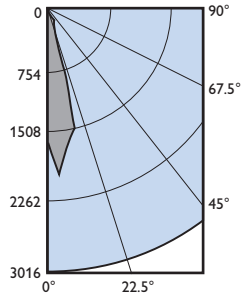
Report # 10482.IES (17°)
Luminaire Recessed downlight with semi-specular reflector and clear protective glass
Lamp 50T4Q/CL/AX (50W GY6.35) 950 lumens (19 lumens/watt)
Efficiency 67%



Field	Center Beam	FOOTCANDLES DIAMETER OF BEAM	DISTANCE FROM CEILING
16	33	4.8'	6'
9	19	6.4'	8'
6	12	8.0'	10'
4	8	9.6'	12'
3	6	11.2'	14'
2	4	12.8'	16'

M3-224MC-RWH-00

Report # 10484.ies
Luminaire Recessed wall washer with semi-specular upper reflector and semi-specular kicker reflector with asymmetric distribution and clear protective glass
Lamp 50T4Q/CL/AX (950 lumens) 19 lumens/watt
Efficiency 58%



ModuleX M3 metal halide trims

4" Bi-pin metal halide trims

Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. A complete downlight consists of an A35 Series rough-in and trim combination. See pages 1.216 and 1.217. for rough-ins. M3-4 Series is a cabinet light and does not require a rough-in.

Example: M3-22IMC-RMS-07

Ordering code

M3 – ☐☐ MC – ☐☐ – ☐ – ☐

Series

M3
ModuleX

Lamping

2
Philips mini master color BT5 20w

5
GE Constant Color T4 20w

Optic Style

21
Fixed deep 17° beam

22
Fixed deep 40° beam

24
Wall washer with kicker

Reflector finish

MC
Matte chrome

Shape

R
Round

S
Square

Finish

WH
White painted

BK
Black painted

MS
Metallic silver painted

SN
Satin nickel plated

CH
Chrome-plated

GD
Polished gold plated

Accessory

00
Clear glass lens*

01
Center disk* (fixture finish)

02
Frosted glass lens*

03
Frosted glass dome*

04
Cross-blade louver

05
Cowl (black)

06
Frosted glass ring*

07
Frosted glass cone*

08
Round floating frosted glass*

09
Square floating frosted glass*

10
Clear center-frosted lens*

Option

W

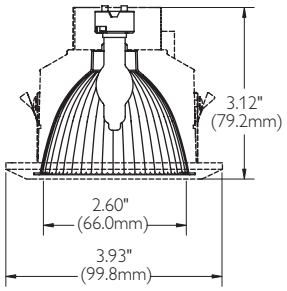
* Suitable for wet locations (not available with accessories 04 or 05)
M3.3 (BT5) not available for wet location

WH BK MS SN CH GD

ModuleX M3 metal halide trims

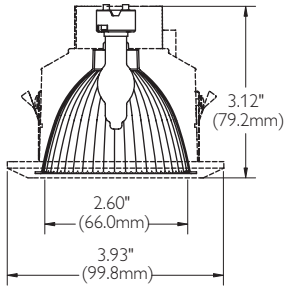
4" Bi-pin metal halide trims

- Choose an optic style below and corresponding ordering code for creating a complete product.



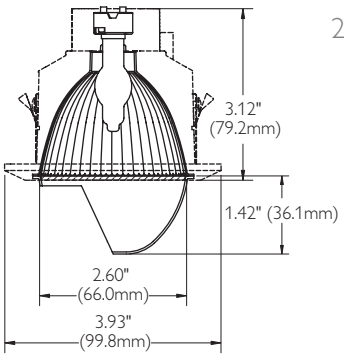
21 Fixed lamp, deep regress 17° beam

Accepts accessories 00, 02, 03, 04, 06, 07, 08, 09
Not compatible with accessories 01, 05, 10



22 Fixed lamp, deep regress 40° beam

Accepts all accessories 00 through 10



24 Wall washer with kicker

Accepts accessory 00 only

M3-324MC-RWH

20 watt Metal Halide Kicker Wall Washer

Distance from ceiling (feet)	2'-0" from wall: 2'-0" o.c.		3'-0" from wall: 3'-0" o.c.	
	Fixture Centerline	Between Fixtures	Fixture Centerline	Between Fixtures
1	30.2	28.9	14.4	14.2
2	24.3	23.2	13.3	13.0
3	23.5	22.6	11.5	11.2
4	17.9	17.1	11.9	10.5
5	14.6	13.4	10.3	10.5
6	14.5	13.5	8.9	8.4
7	16.7	15.9	8.8	9.0
8	16.0	15.5	9.1	8.5
9	14.3	13.9	8.9	8.8

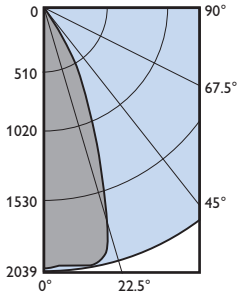
Footcandle values are based on an array of 5 fixtures, 1.0 LLF, 1.0 power factor, 80/50/20 reflectances

Note: Photometric data can be found in IES format in the Download section of the Ardee Lighting web site: www.ardeelighting.com

Photometry

M3-322MC-RWH-00

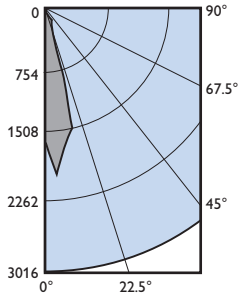
Report # 12647.IES (40°)
Luminaire Recessed downlight with semi-specular reflector and clear protective glass, Advance ballast #RMH-20-E-LF
Lamp CDM-TM-20W/830 (1500 lumens) 75 lumens/watt
Efficiency 81%



FOOTCANDLES Field	Center Beam	DIAMETER OF BEAM	DISTANCE FROM CEILING
26	53	4.8'	6'
15	30	6.4'	8'
10	19	8.0'	10'
7	13	9.6'	12'
5	10	11.2'	14'
4	7	12.8'	16'

M3-324MC-RWH-00

Report # 104841.ies
Luminaire Recessed wall washer with semi-specular upper reflectorand semi-specular kicker reflector with asymmetric distribution and clear protective glass
Lamp Advance ballast #RMH-20-E-LF CDM-TM-20W/830 (1,500 lumens) 75 lumens/watt
Efficiency 58%



ModuleX M3 LED trims

4" LED – cabinet light trims

Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. M3-8 is a cabinet light. No rough-in required.

Example: M3-832MC-RCH-03

Non-dimmable only

Ordering code

M3 – 8 [ ] MC – [ ][ ] – [ ] – [ ]

Series

M3
ModuleX

Lamping

8
LED cabinet integral driver

Optic style

31	**32**	**33**	**34**	**35**	**36**
LED 1w 3000°K Warm white	LED 1w 3500°K Neutral white	LED 1w 4100°K Cool white	LED 4w 3000°K Warm white	LED 4w 3500°K Neutral white	LED 4w 4100°K Cool white

Reflector finish

MC
Matte chrome

Shape

R
Round

S
Square

Finish

WH	**BK**	**MS**	**SN**	**CH**	**GD**
White painted	Black painted	Metallic silver painted	Satin nickel plated	Chrome-plated	Polished gold plated

Accessory

00	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**
Clear glass lens*	Center disk* (fixture finish)	Frosted glass lens*	Frosted glass dome*	Cross-blade louver	Cowl (black)	Frosted glass ring*	Frosted glass cone*	Round floating frosted glass*	Square floating frosted glass*	Clear center-frosted lens*

Option

W

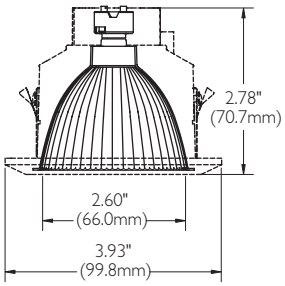
* Suitable for wet locations (not available with accessories 04 or 05)

WH **BK** **MS** **SN** **CH** **GD**

ModuleX M3 LED trims

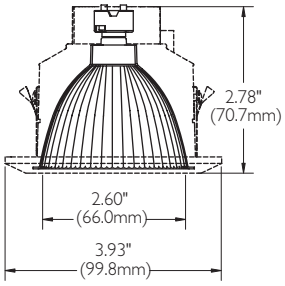
4" LED – cabinet light trims

- Choose an optic style below and corresponding ordering code for creating a complete product.



31, 32, 33 Fixed lamp, deep regress 1 watt lamp

Accepts accessory 00 only

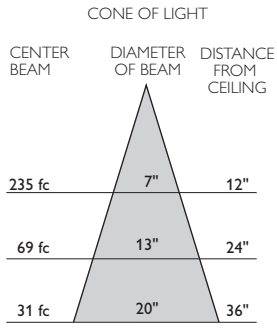


34, 35, 36 Fixed lamp, deep regress 4 watt lamp

Accepts all accessories 00 through 10

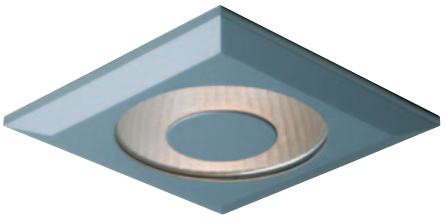
Photometry

Note: Cone of Light values based on 4 watt LED open downlight



GE Vio LED elements for M3-8 & M3-9

200105	1 watt	3000°K
200099	1 watt	3500°K
200101	1 watt	4100°K
200106	4 watt	3000°K
200100	4 watt	3500°K
200102	4 watt	4100°K



ModuleX M3 LED trims

4" LED – recessed downlight trims

Ordering information

To specify a complete trim catalog number, choose one item from the selection available in each module. Accepts up to two media. See page 3.15 for optional accessories. Includes rough-in.

Example: M3-937MC-RCH-03

Ordering code

M3	–	9		MC	–			–	–	

Series

M3
ModuleX

Lamping

9
LED Recessed downlight
Integral driver

Optic style

37
LED 7w
3000°K
Warm white

38
LED 7w
3500°K
Neutral white

39
LED 7w
4100°K
Cool white

Reflector finish

MC
Matte chrome

Shape

R
Round

S
Square

Finish

WH
White painted

BK
Black painted

MS
Metallic silver painted

SN
Satin nickel plated

CH
Chrome-plated

GD
Polished gold plated

Accessory

00
Clear glass lens*

01
Center disk*
(fixture finish)

02
Frosted glass lens*

03
Frosted glass dome*

04
Cross-blade louver

05
Cowl
(black)

06
Frosted glass ring*

07
Frosted glass cone*

08
Round floating frosted glass*

09
Square floating frosted glass*

10
Clear center-frosted lens*

Option

W

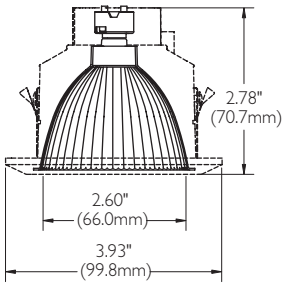
* Suitable for wet locations (not available with accessories 04 or 05)

WH **BK** **MS** **SN** **CH** **GD**

ModuleX M3 LED trims

4" LED – recessed downlight trims

- Choose an optic style below and corresponding ordering code for creating a complete product.



37, 38, 39 Fixed lamp, deep regress
7 watt lamp

Accepts all accessories 00 through 10

GE Vio LED elements for M3-8 & M3-9

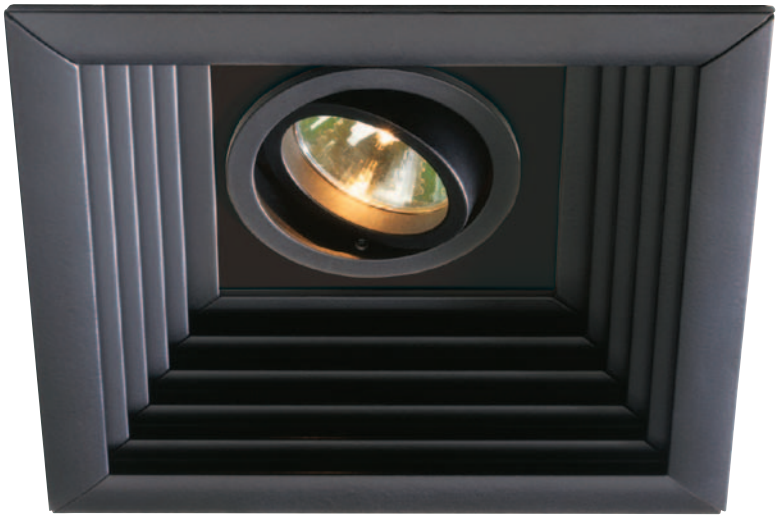
200148	7 watt	3000°K
200149	7 watt	3500°K
200150	7 watt	4100°K

MatreX trims

6 1/2" and 9 3/4" multi-element downlights trims

MatreX trims

6 1/2" and 9 3/4" multi-element downlights trims

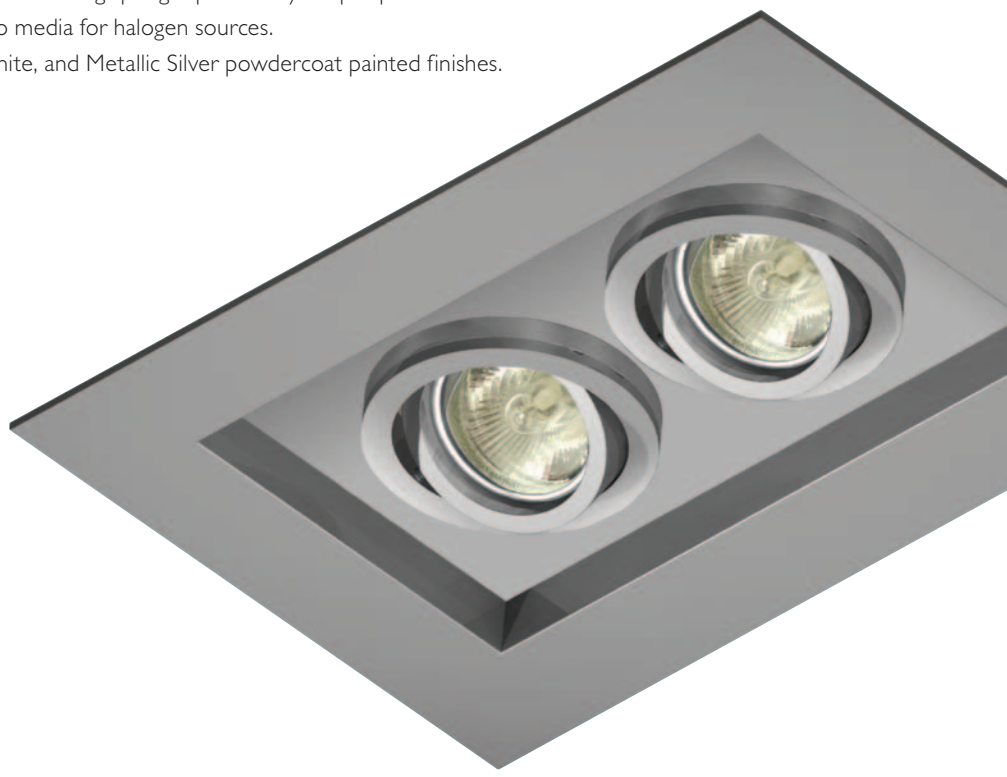


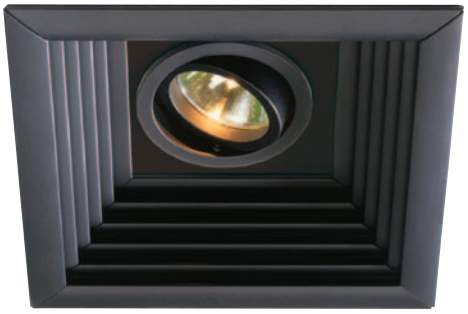
MatreX

Adjustable multi-element low voltage MR-16 halogen recessed downlight series for commercial and residential accent and display lighting.

Features

- A choice of stepped baffle and straight side trim styles.
- Extruded aluminum trim styles, welded for strong construction.
- Machined aluminum gimbal provides 0° - 30° adjustability and 360° rotation with snap-in / pull-out mounting spring clips for easy lamp replacement.
- Accepts up to (2) two media for halogen sources.
- Available in Black, White, and Metallic Silver powdercoat painted finishes.





MatreX halogen trims

6 1/2" and 9 3/4" multi-element downlights trims

Ordering information

To order a complete MatreX fixture, please specify both a trim and a rough-in part number.
Example: AMX-04-MS-S

Ordering code

Series

AMX
Matrex

Type

01	02	03	04	05
1 Light MR-16	2 Light MR-16	3 Light MR-16	4 Light MR-16 linear	4 Light MR-16 square

Finish

WH	BK	MS
White painted	Black painted	Metallic silver painted

Trim style

S	B
Straight sides	Baffled sides

Example: AMX-04-E

MatreX rough-in

Ordering code

Series

AMX
Matrex

Type

01	02	03	04	05
1 Light MR-16	2 Light MR-16	3 Light MR-16	4 Light MR-16 linear	4 Light MR-16 square

Available colors

- **BLACK**
- **WHITE**
- **METALLIC SILVER**

Specifications

Adjustable multi-element low voltage recessed downlight.

Trims

- Extruded aluminum frame with welded construction.
- Choice of stepped baffle and straight profile trim styles.
- Black, White, and Metallic Silver powdercoat painted finishes.
- Machined aluminum gimbal provides 0° - 30° tilt and 360° rotation.
- Accommodates up to (2) two media for halogen sources.

Housing

- 20 gauge steel box with powdercoat painted black finish.
- Galvanized steel mounting wings with vertical adjustment for maximum adjustability. Mounting bars supplied by others.
- Galvanized steel junction box with spring clip mounting tabs for easy removal.

Electrical

- Ceramic socket, pre-wired with high temperature wire leads, provided with housing.
- Rated for feed-thru branch circuit wiring.
- Integral electronic transformer for halogen sources, 120 volt primary, 12 volt secondary, 50/60Hz, and thermally protected.

Lamping Options

- MR-16 halogen (50W max).

Compliance

- c UL Listed for damp locations.

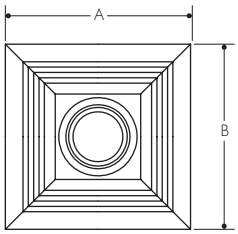
Consult factory for custom styles and finishes.

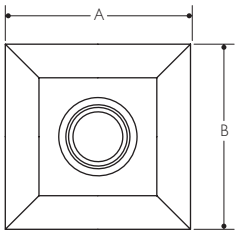
Lamps and accessories

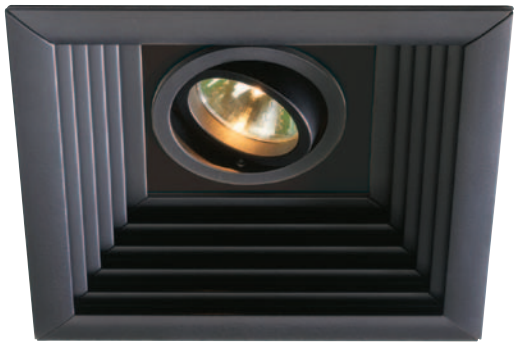
Refer to page 3.15 for optional accessories.

MatreX halogen trims

6 1/2" and 9 3/4" multi-element downlights trims



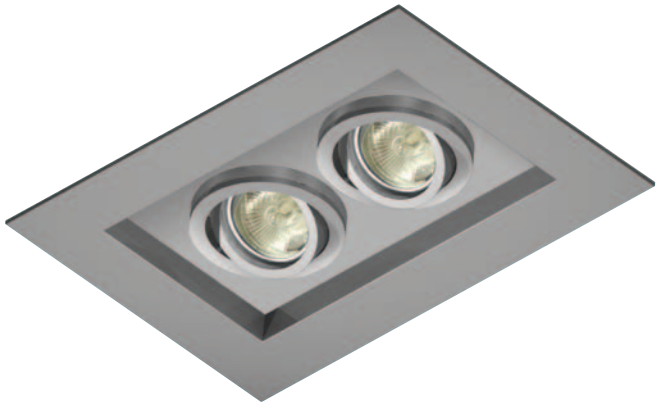


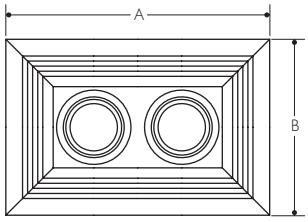


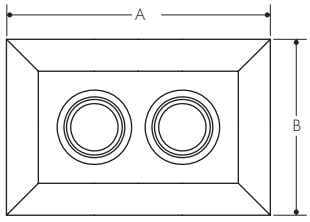
1 lamp element other elements available step baffle trim style shown

1-Light MatreX

Lamp Type	A	B
MR16halogen	6 1/2"	6 1/2"







2 lamp element
other elements available
straight side trim style shown

2-Light MatreX

Lamp Type	A	B
MR16halogen	9 3/4"	6 1/2"

Indigo

A series of contemporary style general lighting fixtures using compact fluorescent lamps delivering high performance lighting with decorative and functional style trims. Custom options available; consult factory.

Features

- Designed to fit in a 2' x 2' suspended ceiling grid ceiling or a drywall ceiling. The Indigo housing is adjustable to accommodate up to 1" thick ceilings.
- 21" diameter recessed dome with powdercoat painted white finish provides a soft glow of light around a choice of decorative and functional trims.
- Decorative trims are available in two frosted opal glass styles: suspended glass disk with frosted acrylic cylinder and frosted glass cone with acrylic diffusing disk.
- Functional trims are available in two spun aluminum reflectors styles: Specular or Matte Aluminum finishes provide a choice in performance with specular or painted aluminum exterior.
- Indigo is supplied with energy efficient electronic ballast and can be fitted with dimming ballast or emergency battery backup for compact fluorescent sources.
- Listed for damp locations.

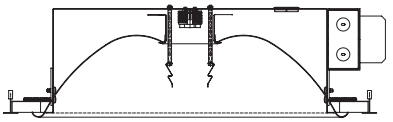
Indigo CFL

Compact fluorescent housing

Features

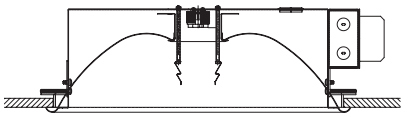
- Rough-in unit made of natural finish galvanized steel.
- Deep regressed dome-shaped secondary reflector powder coat painted white. Custom colors available, consult factory.
- Choice of two mounting styles for suspended ceiling and drywall/plaster ceiling installations.
- Electronic, HPF, Class P rated, thermally protected, and less than 10% THD.

Rough-in assemblies



Suspended ceiling

Assembly plates for suspended ceilings with visible T-bars provide easy installation. The cassettes are finished in the same powder coat paint as used on the secondary reflector to give a harmonious appearance.



Drywall/plaster ceiling

Drywall/plaster ceiling installation is available for seamless appearance with optional ring mounting system.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. A complete Indigo assembly consists of a fixture and trim combination.

Example: ALI-26-120-00

Ordering code

ALI	–		–		–		–	

Series

ALI
Indigo

Wattage

26
26w CF

32
32w CF

42
42w CF

Finish

120
120v

277
277v

Ceiling type

00
Grid

SR
Sheetrock drywall

Option

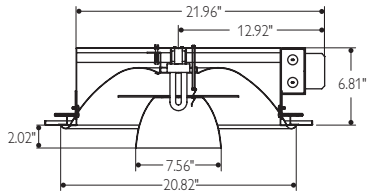
E
Emergency battery back up

D
Dimming ballast

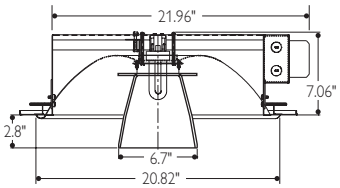
Order trims separately, page 1.237.

Indigo CFL

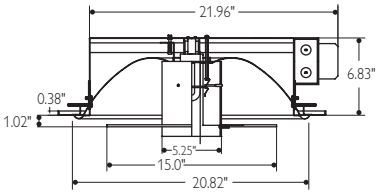
Compact fluorescent trims



24471, 24473



24478



24475

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. A complete Indigo assembly consists of a fixture and trim combination.

Example: 24471

Ordering code fixtures

Ordering code

Series	**2447**	

2447
Indigo trim

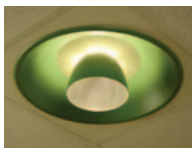
Trim Style

1	**3**	**5**	**8**
Functional aluminum Inside/outside	Functional specular in/ aluminum out	Decorative glass plate glass disc	Decorative opal white glass cone

Order fixtures separately, page 1.236.

Custom trims

Optional finishes, pendant mount styles and other designs are available on a custom basis. Consult factory. Custom-painted secondary reflectors add to the design themes in all applications.



24471

Aluminum reflector with painted aluminum inside and outside surfaces. An opal diffuser rests on top of reflector to eliminate glare.

24473

Aluminum reflector with specular anodized finish on the inside and painted aluminum finish on the outside. An opal diffuser rests on top of reflector to eliminate glare.

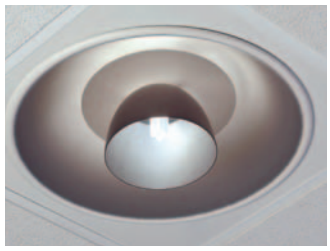
24475

Sandblasted glass plate/glass disc with cylindrical acrylic diffuser.

24478

Opal white glass cone. An opal white acrylic diffusing disc rests on top of cone to illuminate dome.

Decorative



24471

24473

Hover CF

6" Downlight

Hover CF

6" Downlight

Hover CF series of 6" recessed compact fluorescent downlights, designed by Hoffmeister Leuchten GmbH and engineered by Ardee Lighting to meet US building codes, combines the energy efficiency of compact fluorescent with floating reflectors and decorative trims. Available in two recessing variants: Classic, for recessing with ceiling trim ring, and Insider, for integrating in plasterboard ceilings to give a flush fit. Ideal for prestigious public areas, such as lobbies, museums and restaurants, and also for corridors and offices.

The projecting reflector edge and highly visible joint add smart highlights to the ceiling area. Brilliant luminaire technology for effective and efficient lighting means better illumination with fewer luminaires.

With their striking reflector edges, these downlights stand out, quite literally. The extraordinary strength of the reflector material underscores their exquisite design. Together with the accented joint, these lights are given a style all their own. The outer, visible part of the reflector is offered powdercoated in white or anodized in matte silver to create a harmonious overall effect.

The Insider rough-in option allows the fixture to be plastered in, making the reflector appear to hover in the air.

Hover CF trims are available in a variety of practical and decorative options. Four-cell, mirror-finish aluminum cross-louvers increase the shielding angle to 40 degrees. Diffuser disks provide variation in light distribution and approval for use in wet locations. Frosted decorative elements create soft transparency. Translucent cylinders in red, blue, green, amber and white introduce a touch of color.

Recessing to a depth of only 4.07", the shallow variant of the Hover CF rough-in series (A6R) requires relatively little space. This makes it the ideal choice in applications where space is limited.

Hover CF

6" Downlight rough-ins

Rough-ins for Hover CF 6" trims are available for standard, remodel, and IC/AT rated construction applications.

Specification

Wireway

5/16" x 20" aluminum flexible conduit whip with lampholder housing attached. Opposite end attached to junction box using a conduit 6-tooth connector. Uses 18 AWG wire, rated min. 90°C, solid wire or with tinned ends.

Rough-in frame

Standard and IC models are constructed from galvanized steel with three spring steel mounting clips that accept non-metallic trim ring. Can be used in ceilings from ½" to 1". Remodel frame installs from below ceiling.

Lampholder housing

Made of galvanized steel. Vented to allow air flow around lamp holders. Snap-in spring cups provide easy attachment to trim.

Junction box

Galvanized steel construction with multiple knockouts. Provided with cover plates that secure to box with spring clips. Ballast attached to inside cover plate.

Ballast

Intellivolt 120 to 277V 50/60Hz, electronic, programmed start, Class A sound rating. Maximum THD 10%.

Mounting

Supported using stamped steel hanger bars which are run through the holes in plaster frame.

Listing

- Standard and Remodel rough-ins are UL listed damp location or wet location (see trim listing).
- IC/AT rough-ins are UL listed damp or wet locations (see trim listing) and are approved for use in direct contact with insulation and meet air flow restrictions set by user.

A complete Hover CF fixture requires a trim and rough-in, ordered separately.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.
Example: A6R-CD1-126

Ordering code

A6R – ☐ – ☐ – ☐

Series

A6R
Hover CF

Rough-in type

CD1	CD2	CD3	ID1	ID2	ID3	CS1	IS1	IS2
Classic deep standard	Classic deep/IC air-tight	Classic deep remodel	Insider deep standard	Insider deep air-tight	Insider deep remodel	Classic deep standard	Insider shallow standard	Insider shallow/IC standard

Number of lamps @ wattage

126	132	213	218	226
1 @ 26w Triple 00 open trim only	1 @ 32w Triple 00 open trim only	2 @ 13w quad	2 @ 18w quad	2 @ 26w quad

Option

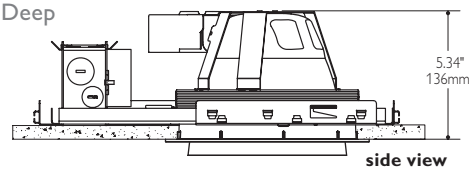
D
Dimming ballast

Hover CF

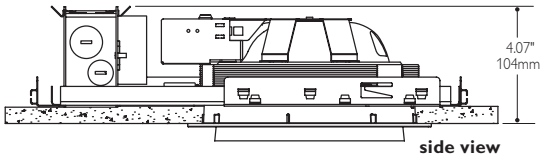
6" Downlight rough-ins

A6R Series

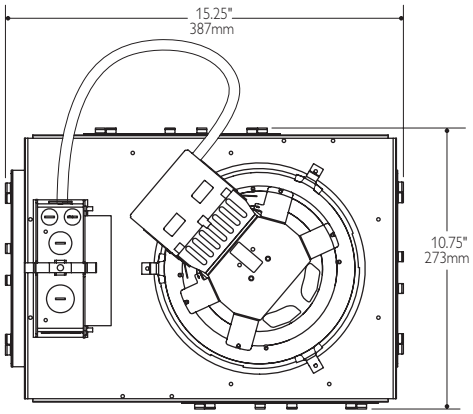
A6R Deep



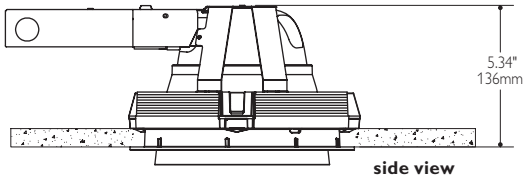
A6R Shallow



Top view

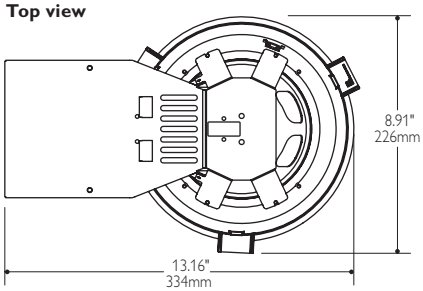


A6R Remodel

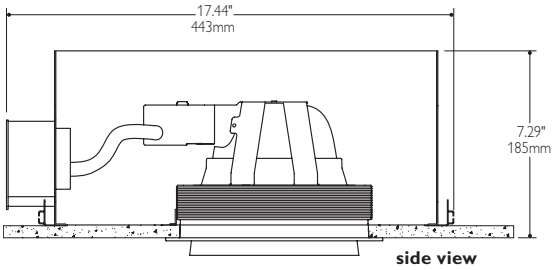


Cut out dimension 7.76" (197mm)

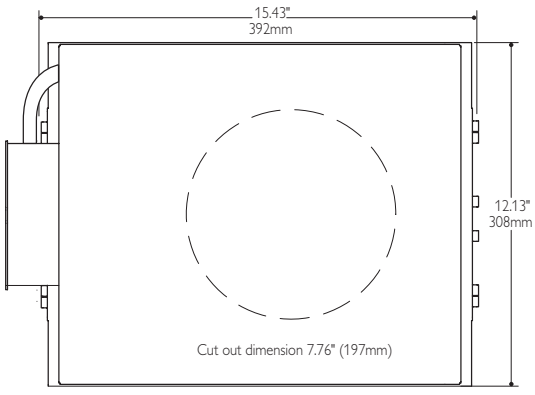
Top view



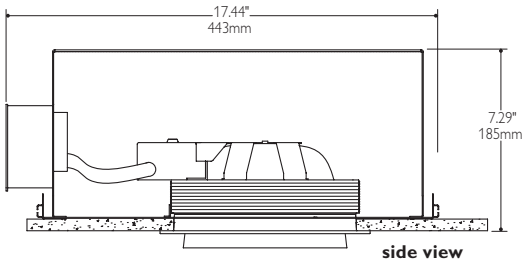
A6R IC/AT for deep trims



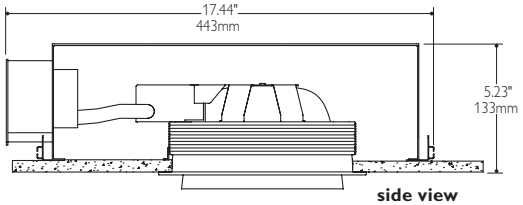
Top view



A6R IC/AT for shallow trims



A6R for shallow trims



Hover CF

6" Downlight trims

Hover CF 6" floating reflector design offers choices in open, regressed lens, cross-blade baffle, and decorative element apertures. Deep and shallow reflector profiles are available in specular or matte white finishes.

Trim

Design

- Hover CF 6" trims are constructed of a die-cut galvanized steel lamp holder bracket attached to a non-metallic trim body.
- The complete trim snaps into rough-in from below the ceiling without tools and subsequently rotates to provide easy alignment of lamps.
- Installs in ceilings up to 1" thick.

Optics

- The white reflector consists of extra sturdy, 0.063" aluminum with powder coat painted finish RAL #9010 and with high light output ratio of up to 52% with shielding angle of 30°.
- The specular aluminum reflector consists of extra sturdy. 0.063" mirror finish anodized aluminum with a high light output ratio of up to 74% and a shielding angle of 30°.
- A four-cell mirror-finish parabolic cross-blade louver increases shielding angle to 40° (deep reflector).
- A frosted acrylic regressed diffusing lens is easily removed without tools for lamp replacement.
- Offers color and frosted decorative elements with soft transparency to provide an alternate look.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.
Example: 6R-0121-126-R

Ordering code

6R	–				–		–	

Series

6R
Hover CF

Trim style

00	01	05	10	11	12	13	14	15
Open reflector	Regressed lens	Cross-blade louver (deep rough-in, specular aluminum only)	Decorative element	White ring	Red ring	Blue ring	Green ring	Amber ring

Rough-in type

1	2
Deep	Shallow

Finish

0	1
Specular Aluminum	White

Number of lamps @ wattage

126	132	142	218	226
1 @ 26w Triple	1 @ 32w Triple	1 @ 42w Triple	2 @ 18w Quad	2 @ 26w Quad

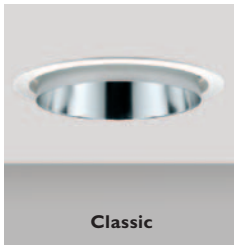
Option

R
Remodel rough-in

Hover CF

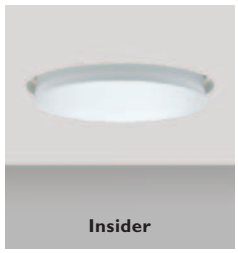
6" Downlight trims

Specular



Shallow 00 trims accept:
2 13W PL-C lamps
2 18W PL-C lamps
2 26W PL-C lamps

White



Deep 00 trims accept:
2 13W PL-C lamps
2 18W PL-C lamps
2 26W PL-C lamps
1 26W PL-T lamps
1 32W PL-T lamps

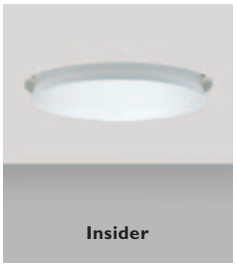
00 - Open

6" nominal open aperture optic is suspended 0.7" to create the appearance of a floating reflector. UL listed for damp location. The outer visible part of the specular reflector has a matte silver anodized finish. The outer part of the white reflector is painted to match the inner reflector.

Specular

All 01 trims accept:
2 13W PL-C lamps
2 18W PL-C lamps
2 26W PL-C lamps

White



01 - Regressed lens

6" nominal open aperture optic is suspended 0.7" to create the appearance of a floating reflector. A ¼" thick frosted acrylic regress lens encloses lamp compartment for added safety. Lens attaches to reflector with spring loaded cam by turning lens 1/4 turn. UL listed for wet location. The outer visible part of the specular reflector has a matte silver anodized finish. The outer part of the white reflector is painted to match the inner reflector.

All 05 trims accept:
2 13W PL-C lamps
2 18W PL-C lamps
2 26W PL-C lamps

05 - Cross-blade baffle

6" nominal aperture with parabolic cross-blade louver is suspended 0.7" below ceiling to create a floating appearance and provides 40° shielding angle. A ¼" thick clear acrylic lens mounted to top of louver encloses lamp compartment for added safety. Louver is attached to reflector with spring-loaded cam by turning louver 1/4 turn. UL listed for wet location.

Available in specular reflector and deep trim only.

All 11 through 15 trims accept:
2 13W PL-C lamps
2 18W PL-C lamps
2 26W PL-C lamps

11 through 15 - decorative ring

6" nominal aperture, 2.5" tall, and 0.33" thick, colored acrylic ring with frosted surface is suspended 0.7" below ceiling to create a floating appearance. A choice of white and four colors: blue, amber, green, and red. The acrylic ring is attached to the upper reflector with spring-loaded cam by turning acrylic ring 1/4 turn. UL listed for damp location.

LytePoints

LytePoints is comprised of a complete palette of interchangeable trim choices. Each luminaire is designed to produce specific lighting effects with a unique combination of high-performance optics and aesthetics.

Whether your design calls for general lighting, ambience lighting, accent, task lighting or wall washing, LytePoints is perfectly suited to your needs.

Lytepoints allows the designer great flexibility in achieving all the beauty and drama Low Voltage lighting can deliver.

Additionally, there's no better way to create high-impact accent lighting for spaces than with low voltage halogen downlighting. By bringing out form, color and texture, low voltage lighting draws the viewer in and adds excitement to the composition.

LIGHTOLIER
Everything we see,
most of what we do,
and much of what we feel
is touched by light.

Contents

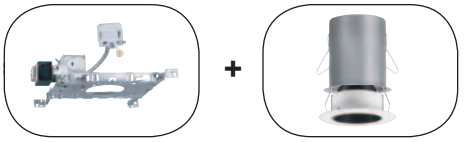
Flex installation system

Introducing FLEX, LytePoints improved modular mounting system for faster, more convenient and more forgiving luminaire installations.

With the FLEX system, you have the freedom to choose housing positions 0° or 90°.

Thanks to two key slots on top of the housing, you have two ways to attach the housing to the Power Pack. When in a tight spot, remodeler housings can be installed with mounting clips parallel to joists, conduits or other obstacles, providing more room to maneuver.

Complete fixture



The FLEX system features "clamp-down action" mounting clips for trouble-free installation

- **Renovations with insulated ceilings accessible from above:** Installers have no need for mounting bars and spend less time in attic, as housing mounting clips secure Frame-in Kit in position from below.
- **New constructions (IC and non-IC):** Installers can work faster because Frame-in Kit stability is not as critical as with competing brands, given that mounting clips sandwich housing and Frame-in Kit to ceiling material.

How does the FLEX system provide added flexibility for renovation projects and new constructions (IC and non-IC) using LytePoints?

- Hassle-free installations even in not-so-perfect conditions.
- No vertical housing adjustment required.
- Housing and trim are mounted after painting and plastering, ensuring a cleaner, more consistent quality finish.
- Added stability provided by "clamp-down action" of specially designed factory-installed mounting clips.
- Easier access to components after luminaire installation.

Housing made of steel for strength, included with luminaire trim.

Exclusive Residence mounting clips reduce installation time and provide a superior installation.

Clamping power: Residence mounting clips feature two screw guides allowing to clamp down on ceilings from 1/8" to 1" thick.

Flange remains free of paint and plaster because housing is firmly secured to ceiling after finishing.

Housing does not need vertical adjustment, ensuring uniform trim positioning and consistent look.

Wide 3/8" integrated flange allowing more forgiving installations.

Low voltage luminaires

Performance options

Look for the star rating on every LytePoints luminaire to determine quality and facilitate selection... Whether rated Good, Better, or Best, LytePoints downlights are designed to achieve the highest output possible from the available source while providing superior visual comfort and quality lighting.

Halogen

By bringing out form, color and texture in the objects being lighted, low voltage halogen lighting draws the viewer in and adds excitement to the composition. LytePoints low voltage downlights feature MR16 lamps that provide highly focused beams that are particularly well suited for accent lighting. These low voltage sources are 50% brighter with lamp life as long as 4000 hours.

MR16 lamps offer a unique punch and sparkle which is ideal for highlighting small objects, such as artwork, glass and tableware. For added ambience, several low voltage luminaires feature decorative glass and enhance the decor by adding luminance to the ceiling line. LytePoints low voltage downlights not only offer an extensive selection of finishes but also features a range of frame-in-kits and remodelers designed for either MR16 or ES/ESD16 sources.

There's no better way to create high-impact accent and ambience lighting for homes, retail stores and other spaces than with low voltage lighting. Lytecaster provides a wide range of attractive reflector trims to meet the needs of the most discerning eye.

General information

Good

Line-voltage ES16/ESD16 downlights provide suitable lighting quality; lamps are either flush with the ceiling or slightly recessed.

Better

Quality lighting from these low-voltage MR16 downlights feature lamps that are flush with the ceiling.

Best

These high-quality low-voltage MR16 downlights include fully recessed lamps for increased visual comfort.

General illumination

General illumination provides overall illumination and defines a space. Good general lighting should be evenly distributed across the space and provide a glare-free light source. Available in 3 ¾", 5" and 6 ¾" sizes with Line Voltage, Low Voltage and Compact Fluorescent light sources

These include: Anodized Reflectors, Aperture Cones, Baffles, Cross Blades, Pinholes, Baffles, Sloped Ceiling.

Wall washing

Wall Washing provides a smooth, even illumination over the length and height of a wall surface. It is an ideal way to enhance the sense of spaciousness in a room. Wall washing can also be used to highlight specific areas, selected materials, or artwork. Available in 3 ¾", 5" and 6 ¾" sizes with Line Voltage and Compact Fluorescent light sources.

These include: Open Wall Wash, Step Baffle Eyelid, Basic White Eyelid.

Wet location

Wet Location provides overall illumination in locations where the light source may come into direct contact with water. Available in 3 ¾", 5" and 6 ¾" sizes with Line Voltage, Low Voltage and Compact Fluorescent light sources.

These include: Decorative Domes, Lensed Downlights, Plastic Diffusers, Open Wet Location.

Accent lighting

Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces such as artwork, place settings and niche areas. It is typically achieved with adjustable downlights whose beams can be carefully aimed. Available in 3 ¾", 5" and 6 ¾" Line Voltage and Low Voltage light sources.

These include: Recessed Adjustables, Mini Swivels, Eyeballs, Elbows, Pinholes, Slots.

LytePoints low-voltage and line-voltage luminaries represent the ultimate in small aperture downlighting. They are designed to deliver superior performance, maximum versatility and fast, easy installation. A diverse selection of trims and finishes combined with universal Frame-in Kits, with magnetic or electronic transformers, offer the perfect lighting solution for virtually every application. From fully adjustable accent lights to wet location and decorative luminaries, LytePoints provides the tools to help you realize the full potential of your design.

Low voltage luminaires

LytePoints downlights

The LytePoints Series is at the center of Philips Lightolier's efforts to provide elegant, installation friendly small aperture luminaires. Ranging from accent lights to shower lights to models with decorative glass, LytePoints is suitable for most residential, commercial and office lighting applications.

Classic, high-performance specular finishes.

CL – Clear specular

BA – Black specular

Add flair with decorative glass options.

FG – White frosted glass

New, bold monochrome finishes for special design statements.

AL – Aluminum Paint

Choose from new shades, exciting dual-tone designs and other popular finishes.

WH – White

BK – Black

AB – Antique Brass

CH – Chrome

ST – Brushed steel

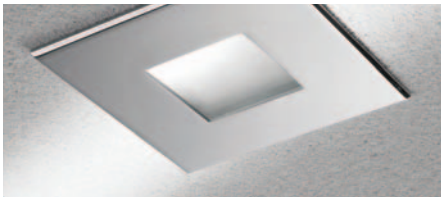
Flex

LytePoints small aperture downlights

Lytecaster introduces several new and exciting products into the extremely popular series of LytePoints small aperture downlights. These new introductions provide increased functionality and exceptional styling into one of the most versatile line of products in the industry today.

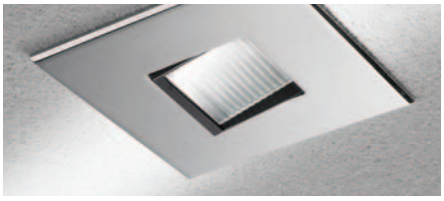
371 Series dropped glass

Drop glass trim enhances interior design opportunities with its visually appealing frosted glass cylinder with open center.



347 Series frosted glass wet location

Ul listed for wet location applications, the 347 series provides up to 50 watt MR16 lamping for exceptional performance with a simple and elegant styling suitable for any application.



346 Series square wall washer

Asymmetric lens features ribbed, frosted tempered glass to provide a soft glow and even illumination across the vertical wall surface. Choice of chrome, steel or white. 50W max lamping .

341 Series square drop glass

Accent light with decorative element. Recessed lamp provides excellent shielding. Choice of chrome, steel or white. 50W max lamping.

343 / 344 Series square accent

Fully adjustable accent lights with black or metallic cone. Lamp rotates 358° horizontally and 35° vertically. Several finish options available. 50W max lamping . Compatible with standard round frames.

300X series housing

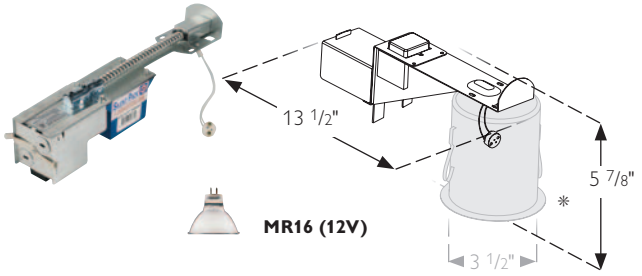
3¾" Low and line voltage remodelers

Remodel frame-in kits are designed for mounting in existing ceilings from below.

Choose from three different models based on clearance or transformer requirements.

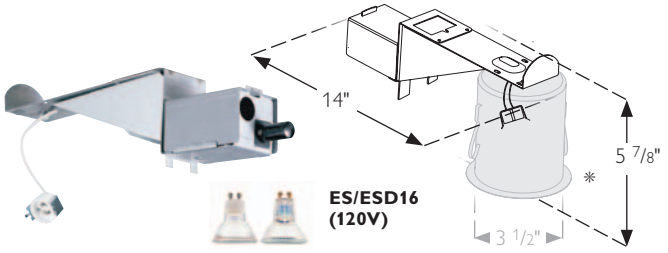
- Low-voltage MR16 or line-voltage ES16.
- Factory-installed trim enclosure simplifies installation.
- Mounting clips provide secure mounting in ceilings from 1/8" to 1" thick, eliminating sagging trims and call-backs.
- Integral 3/8" wide flange allows more room for error when cutting opening.

300MRSPX non-IC remodeler (12V) silent pack



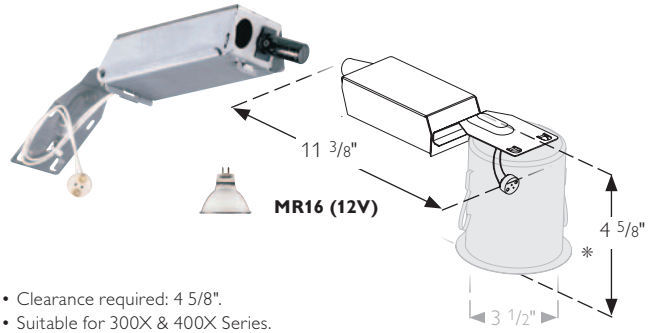
- Clearance required: 5 7/8".
- Integral 50W magnetic transformer.
- New Silent Pack design eliminates transformer noise in fixture.
- Thermally protected.
- Damp or wet location rated depending on trim used.
- Designed to permit wiring from below the ceiling line.
- UL/CSA certified for through branch circuit wiring.

300ESX non-IC remodeler (120V)



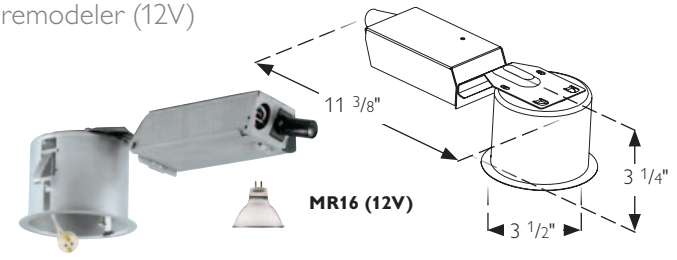
- Clearance required: 5 7/8".
- Accepts most 3 3/4" trims.
- Power pack designed for 50W ES/ESD16 halogen lamps (no transformer).
- Thermally protected.
- Damp or wet location rated depending on trim used.
- Designed to permit wiring from below the ceiling line.
- UL/CSA certified for through branch circuit wiring.

3401MREX non-IC low-profile electronic remodeler (12V)

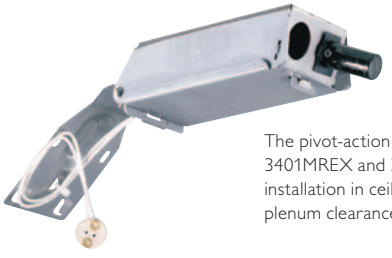


- Clearance required: 4 5/8".
- Suitable for 300X & 400X Series.
- Integral electronic transformer (50W max.).
- Thermally protected.
- Swivel junction box for low plenum spaces.
- Damp or wet location rated depending on trim used.
- Designed to permit wiring from below the ceiling line.
- Certified for chain wiring.

303MRE non-IC ultra-shallow electronic remodeler (12V)



- Clearance required: 3 1/4".
- Integral electronic transformer (37W max.).
- Thermally protected.
- Swivel junction box for low plenum spaces.
- Suited to trims 313/315/316/317/373 and 378 only.
- Designed to permit wiring from below the ceiling line.
- Certified for chain wiring.
- Certified for wall mounting application with 378 Series Trim using a 37W MR16 lamp.



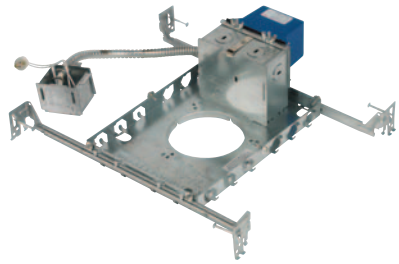
The pivot-action design of the 3401MREX and 303MRE facilitates installation in ceilings with limited plenum clearance.

300X series housing

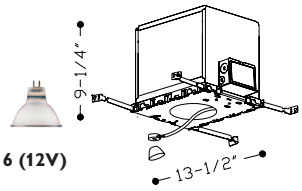
3¾" Low and line voltage frame-in kits

New construction frame-in kits are designed for mounting prior to ceiling installation.

- Low-voltage MR16 or line-voltage ES16.
- Factory-installed trim enclosure simplifies installation.
- Vertical adjustment from below to accommodate from 1/8" to 1" thick ceilings.



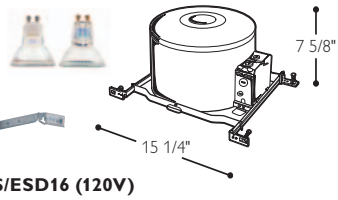
302MRIC9SPX IC frame-in kit (12V) silent pack



MR16 (12V)

- Integral magnetic transformer for 50W MR16 maximum.
- New Silent Pack design eliminates transformers noise in fixture.
- For all 300 trim series.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- UL/CSA certified for through branch circuit wiring.
- Mounting bar locking clips included.

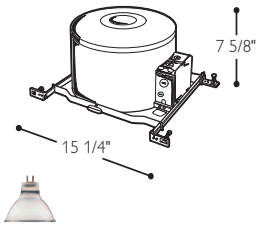
302ESAICX Airseal® IC frame-in kit (120V)



ES/ESD16 (120V)

- Accepts most 3 3/4" trims.
- Mounting bars pivot for easy attachment and wiring in below ceiling line. Extend to accommodate up to 24" O.C. joist spacing.
- Integral nails.
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- Mounting bar locking screw on one side of the frame-in-kit.

302MRAICSPX Airseal® IC frame-in kit (12V) silent pack

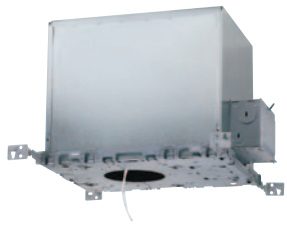


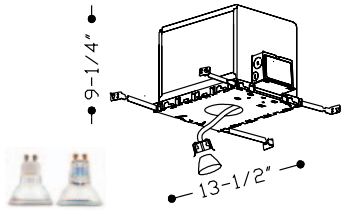
Note: For electronic transformer, order item number 302MRAICEX

MR16 (12V)

- Integral magnetic transformer for 50W MR16 maximum.
- New Silent Pack design eliminates transformer noise in fixture.
- For all 300 trim series.
- Mounting bars pivot for easy attachment and wiring in below ceiling line. Extend to accommodate up to 24" O.C. joist spacing.
- Integral nails.
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- Mounting bar locking screw on one side of the frame-in-kit.

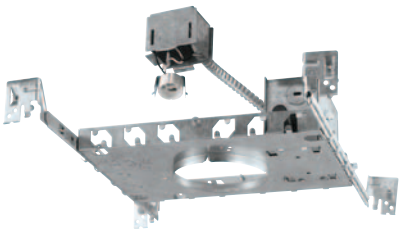
302ESICX IC frame-in kit (120V)





ES/ESD16 (120V)

- Accepts most 3 3/4" trims.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps
- Internal thermal cut-out insures against overheating due to incorrect lamping.
- UL/CSA certified for through branch circuit wiring.
- Mounting bar locking clips included.



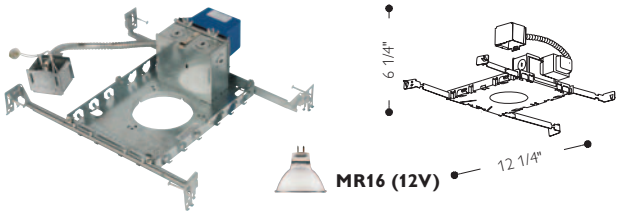
300X series housing

3¾" Low and line voltage frame-in kits

New construction frame-in kits are designed for mounting prior to ceiling installation.

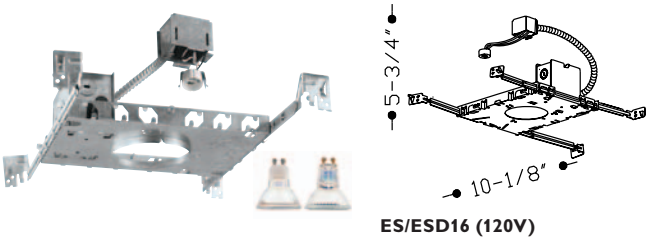
- Available for insulated and non-insulated ceilings.
- UL listed for through-branch circuit wiring.
- Factory-installed trim enclosure simplifies installation.
- Vertical adjustment from below to accommodate from 1/8" to 1" thick ceilings.

302MRSPX non-IC frame-in kit (12V)



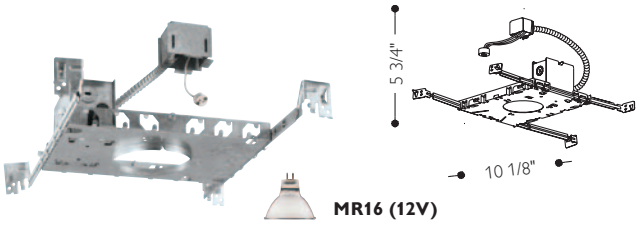
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- UL/CSA certified for through branch circuit wiring.
- Integral 50W magnetic transformer with built-in thermal protection.
- New Silent Pack design eliminates transformer noise in fixture.
- New mounting bar locking clips included.
- Damp or wet location rated depending on trim used.

302ESX non-IC frame-in kit (120V)



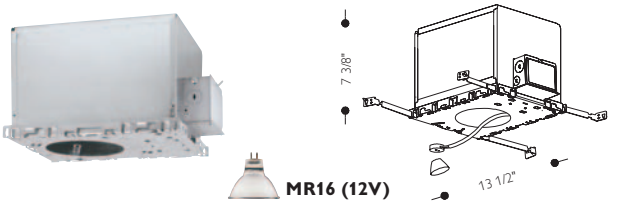
- For 305, 304 and 313 trim series only.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- Internal thermal cut-out ensures against overheating due to incorrect lamping.
- UL/CSA certified for through branch circuit wiring.
- New mounting bar locking clips included.

302MREX non-IC frame-in kit (12V)



- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- UL/CSA certified for through branch circuit wiring.
- Integral 50W electronic transformer with built-in thermal protection.
- New mounting bar locking clips included.
- Damp or wet location rated depending on trim used.

302MRIC7SPX IC frame-in kit (12V)



- Accepts most 3 3/4" trims.
- Integral magnetic transformer for 50W MR16 maximum.
- New Silent Pack design eliminates transformer noise in fixture.
- Rugged mounting system with 13" heavy gauge mounting bars that extend to 27".
- Integral cable clamps.
- UL/CSA certified for through branch circuit wiring.
- Mounting bar locking clips included.

Design installs flush every time.

300X series trims

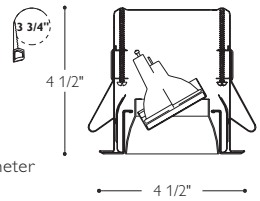
Cones/baffles trims

Open downlights provide superior performance for general lighting applications requiring greater lumen output. Specular reflectors feature a mirror-like finish that provides greater light output.

Adjustable premium specular cone

CL

2 7/8" Inside diameter



304BAX Specular black cone and white flange

304CLX Specular clear cone and white flange

304CCDX Clear diffuse cone and white flange

Accent light with Specular cone offers non-glare optics for added visual comfort. Recessed lamp rotates 360° horizontally and 35° vertically, can be aimed without removing trim. Accommodates all ceiling types from 1/8" to 1" thick.

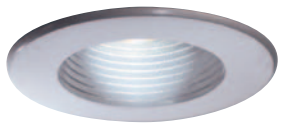
Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	50W MR16	N/A	50W MR16	50W MR16	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302ESAICX**	**302MRAICEX**
50W MR16	50W MR16	50W ES/ESD16	50W MR16	50W ES/ESD16	50W MR16

BA

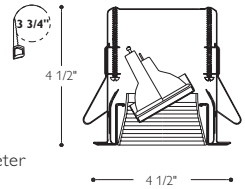
CCD

Adjustable premium die-cast step baffle



ALP

2 7/8" Inside diameter



305BKX Black step baffle and white flange

305ALPX Aluminum painted step baffle and self-flange

305WHWX White step baffle and self-flange

One-color luminaire features a one-piece die-cast flange and step baffle (except 305BKX). Recessed lamp rotates 360° horizontally and 35° vertically, can be aimed without removing trim. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	50W MR16	N/A	50W MR16	50W MR16	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302ESAICX**	**302MRAICEX**
50W MR16	50W MR16	50W ES/ESD16	50W MR16	50W ES/ESD16	50W MR16

BK

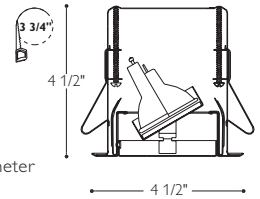
WHW

300X series trims

Slot and pinhole round trims

These small aperture accent lights conceal the light source and provide the smallest available aperture with an inner matte black shield that absorbs stray light. The Pinhole provides consistent ceiling appearance while the Slot provides maximum adjustment in a small aperture fixture.

Slot aperture



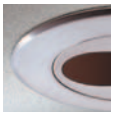
309STX Stainless steel
309WHX White

WH 2 7/8" Inside diameter

Small aperture accent light. Lampholder rotates 360° horizontally and 40° vertically. Inner black shield reduces glare. Thin faceplate reduces flash from lamp on edges. Accommodates all ceiling types from 1/8" to 1" thick.

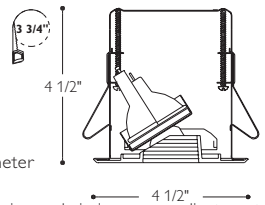
Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	42W MR16	N/A	50W MR16	50W MR16	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	50W ES/ESD16	37W MR16	37W MR16	N/A



ST

Adjustable pinhole



308ALX Aluminum painted faceplate and baffle
308BKX Black faceplate and baffle
308WWX White faceplate and baffle

AL 1 5/8" Inside diameter

Tiny aperture accent light. Easy relamping and aiming permits up to 30° vertical and 360° horizontal adjustments. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	42W MR16	N/A	50W MR16	50W MR16	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	50W ES/ESD16	37W MR16	37W MR16	N/A

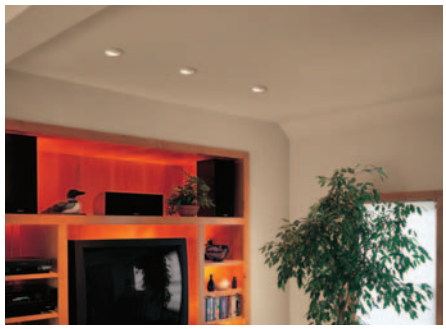
BK

WW

300X series trims

Recessed adjustable mini-swivel round trims

These miniature low voltage accent lights feature the versatile MR16 and ES16 light sources to dramatically highlight paintings, artwork and other objects while carefully blending into the ceiling.



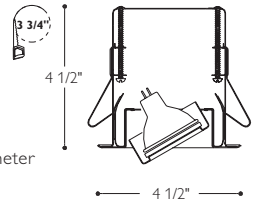
Recessed adjustable mini-swivel

- Recessed adjustable provides high impact accent lighting in a variety of aperture finishes. "Hot aiming" allows the fixture to be adjusted while on.
- Elegantly-styled Mini Swivels sit flush with the ceiling.

Adjustable gimbal ring

WH

2 3/4" Inside diameter



313ABX Antique brass
313ALX Aluminum paint
313BKX Black
313STX Stainless steel
313WHX White

Lamp sits flush with the ceiling. Adjustable up to 30° for accent lighting to a vertical surface and 360° horizontally. The industry leader, offering the easiest and fastest installation with rear lamping spring clips. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	N/A	50W MR16	37W MR16	50W MR16	50W MR16	N/A

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
50W MR16	50W MR16	N/A	50W MR16	50W MR16	N/A

AB

AL

BK

ST

300X series trims

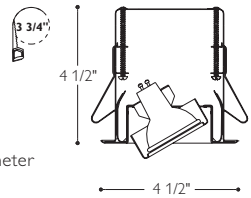
Recessed adjustable mini-swivel round trims

These miniature low voltage accent lights feature the versatile MR16 and ES16 light sources to dramatically highlight paintings, artwork and other objects while carefully blending into the ceiling.

Gimbal ES/ESD16

WH

2 3/4" Inside diameter



330BKX Black
330WHX White

Pivoting Gimbal ring houses ES/ESD16 lamps close to the opening. Features front relamping. The lamp adjusts 20° vertically and 360° horizontally. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
N/A	50W ES/ESD16	N/A	N/A	N/A	N/A	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit	
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302ESAICX**
N/A	N/A	50W ES/ESD16	N/A	50W ES/ESD16

BK

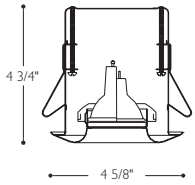
300X series trims

Wall washing round trims

These reflectors provide high quality wall washing for residential and light commercial environments. Designed to emphasize the vertical plane, they are an excellent way to make small rooms appear more spacious.

Contour (wet location)

WH 2" Inside diameter



316WHX White

Simple contoured architectural flange for unique new appearance. Specially designed for task areas and wet locations such as showers. Gasket included for shower applications, can be removed. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	50W MR16	37W MR16	50W MR16	50W MR16	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	50W ES/ESD16	50W MR16	50W MR16	50W ES/ESD16

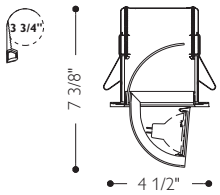
300X series trims

4 1/2" Accent round trims

These reflectors provide high quality accent for residential and light commercial environments. Designed to provide exceptional flexibility, the elbow provides up to a 70° vertical adjustment with a 360° horizontal swivel.

Elbow

WH



Versatile accent light utilizing miniature low voltage MR16 lamps. Elbow adjusts up to 70° vertically and 360° horizontally for focal lighting. Retracts to provide fully recessed downlight. Accommodates all ceiling types from 1/8" to 1" thick. Certified for wall mounting application with 303 MRE using a 37W MR16 Lamp.

ST

BK

378BKX Black
378STX Brushed steel
378WHX White

* Certified for wall mounted applications.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE***	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	N/A	50W MR16	37W MR16	50W MR16	50W MR16	N/A

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
37W MR16	37W MR16	N/A	50W MR16	50W MR16	N/A

300X series trims

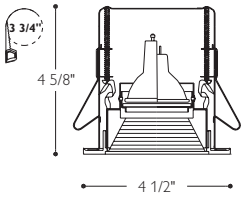
Basic cones/baffles round trims

Cost effective elegant downlighting solution in a glare reducing baffle or elegant cone.

Basic baffle

WH

3" Inside diameter



BK

375BKX Black phenolic baffle and white flange
375WHX White phenolic baffle and white flange

Mini-aperture downlight basic step baffle. Style-matched with other line voltage step baffles. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	50W MR16	N/A	50W MR16	50W MR16	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	50W ES/ESD16	50W MR16	50W MR16	50W ES/ESD16

300X series trims

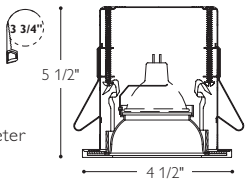
Enclosed (wet location) round trims

These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.

Frosted glass wet location

CM

3 3/4" Inside diameter



377WHX White frosted glass and white flange

377CHX White frosted glass and chrome flange

UL listed for wet location applications, the 377 series provides up to 50 watt MR16 lamping for exceptional performance with a simple and elegant styling suitable for any application.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	N/A	50W MR16	N/A	50W MR16	50W MR16	N/A

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	N/A	50W MR16	50W MR16	N/A

WH

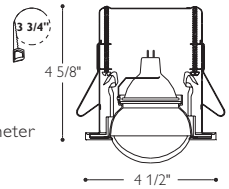
300X series trims

Enclosed (wet location) round trims

These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.

Shower light (wet location)

WH 3 3/4" Inside diameter



376WHX White frosted glass and white flange

Simple architectural flange with glass diffuser for a new appearance. Specially designed for wet locations such as showers (gasket included). Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	N/A	50W MR16	N/A	50W MR16	50W MR16	N/A

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	N/A	50W MR16	50W MR16	N/A

Open cone
Specular finish offers excellent performance for general downlighting.

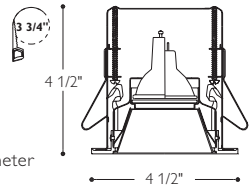
Baffle
Basic baffle provides effective and economic glare control.

300X series trims

Basic cones/baffles round trims

Cost effective elegant downlighting solution in a glare reducing baffle or elegant cone.

Basic cone



CH 2 7/8" Inside diameter

374CHX Chrome and white flange

Mini-aperture accent lights with basic chrome or brass cone. Recessed lamp provides excellent shielding. Accommodate all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	50W MR16	N/A	50W MR16	50W MR16	50W ES/ESD16

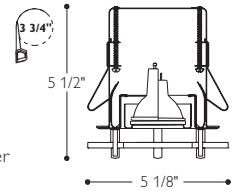
IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	50W ES/ESD16	50W MR16	50W MR16	50W ES/ESD16

300X series trims

LytePoints decorative elements round trims

These elegant fixtures create visually expressive downlighting by combining functional illumination with decorative design. The effect is unique: the light is smooth, the light source is well hidden, and the decorative elements are elegantly scaled with beautiful detail.

Residence disk



317FGALX Poly-carbonate ring and aluminum painted faceplate

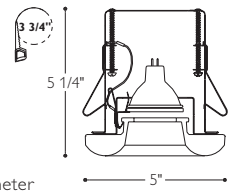
FGAL 2 1/2" Inside diameter

Beautiful ring with open center. It has a nice impact on light by softening the outer light beam of the MR16 or the new ES/ESD16. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	50W ES/ESD16	50W MR16	37W MR16	50W MR16	50W MR16	50W ES/ESD16

IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	50W ES/ESD16	50W MR16	50W MR16	50W ES/ESD16

Rounded glass



322FGX White frosted glass

FG 2 1/8" Inside diameter

Miniature decorative trim. Soft diffusion for a smooth beam pattern. Choice of three decorative glass colors. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler				Non-IC frame-in kit		
300MRSPX	**300ESX**	**3401MREX**	**303MRE**	**302MRSPX**	**302MREX**	**302ESX**
50W MR16	N/A	50W MR16	N/A	50W MR16	50W MR16	N/A

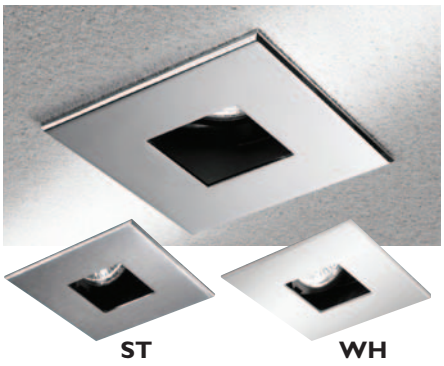
IC frame-in kit			Airseal® IC frame-in kit		
302MRIC7SPX	**302MRIC9SPX**	**302ESICX**	**302MRAICSPX**	**302MRAICEX**	**302ESAICX**
N/A	50W MR16	N/A	50W MR16	50W MR16	N/A

300X series trims

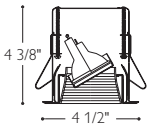
Square trims

The ultimate in styling and convenience. The Lytepoint square series uses existing round frames for ease of installation while providing unique geometric designs and design options. All are designed to provide excellent optic performance, superior design and glare control.

Square open adjustable



1 7/8" Inside diameter



348STX
Brushed steel

348WHX
White

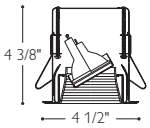
Recessed lamp provides low glare and visual comfort. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler		Non-IC frame-in kit	
300MRSPX	**3401MREX**	**302MRSPX**	**302MREX**
37W MR16 IR	37W MR16 IR	50W MR16 / 37W MR16 IR	50W MR16 / 37W MR16 IR

IC frame-in kit	Airseal® IC frame-in kit	
302MRIC9SPX	**302MRAICSPX**	**302MRAICEX**
50W MR16 / 37W MR16 IR	37W MR16 IR	37W MR16 IR

Square premium die-cast baffle adjustable

1 7/8" Inside diameter



344ASTX
Brushed steel

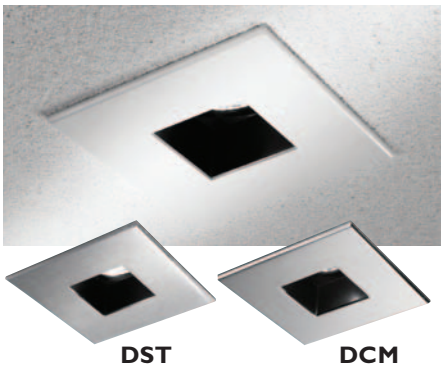
344AWHX
White

Truncated die-cast baffle with black painted finish for low brightness. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

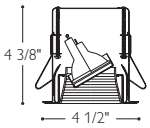
Non-IC remodeler		Non-IC frame-in kit	
300MRSPX	**3401MREX**	**302MRSPX**	**302MREX**
37W MR16 IR	37W MR16 IR	50W MR16 / 37W MR16 IR	50W MR16 / 37W MR16 IR

IC frame-in kit	Airseal® IC frame-in kit	
302MRIC9SPX	**302MRAICSPX**	**302MRAICEX**
50W MR16 / 37W MR16 IR	37W MR16 IR	37W MR16 IR

Square premium die-cast baffle downlight



1 7/8" Inside diameter



344DSTX
Brushed steel

344DWHX
White

Truncated die-cast baffle with black painted finish for low brightness. Centered lamp for single-position downlighting. Accommodates all ceiling types from 1/8" to 1" thick.

Non-IC remodeler		Non-IC frame-in kit	
300MRSPX	**3401MREX**	**302MRSPX**	**302MREX**
37W MR16 IR	37W MR16 IR	50W MR16 / 37W MR16 IR	50W MR16 / 37W MR16 IR

IC frame-in kit	Airseal® IC frame-in kit	
302MRIC9SPX	**302MRAICSPX**	**302MRAICEX**
50W MR16 / 37W MR16 IR	37W MR16 IR	37W MR16 IR

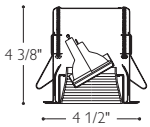
300X series trims

Square trims

When it comes to design and functionality, nothing compares to LytePoints. Our drop glass element doesn't impede the light source so it's beautiful and performs. The lensed shower light effectively shields the lamp with a soft lens and allows installation in areas where direct contact with water may occur.

Square cone adjustable

1 7/8" Inside diameter



343CCDSTX
Comfort clear diffuse cone/Brushed steel flange

343CCDCMX
Comfort clear diffuse cone/chrome flange

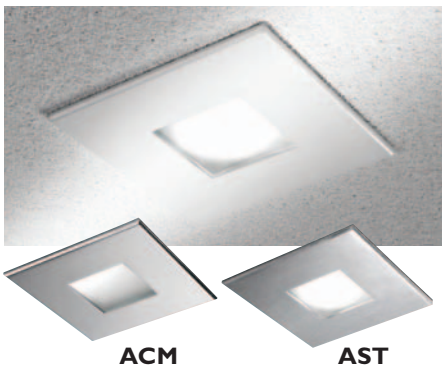
343CCDWHX
Comfort clear diffuse cone/white flange

One-piece aluminum reflector and flange for uniform look. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

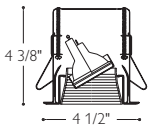
Non-IC remodeler		Non-IC frame-in kit	
300MRSPX	**3401MREX**	**302MRSPX**	**302MREX**
37W MR16 IR	37W MR16 IR	50W MR16 / 37W MR16 IR	50W MR16 / 37W MR16 IR

IC frame-in kit	Airseal® IC frame-in kit	
302MRIC9SPX	**302MRAICSPX**	**302MRAICEX**
50W MR16 / 37W MR16 IR	37W MR16 IR	37W MR16 IR

Square lens shower light adjustable



1 7/8" Inside diameter



347ASTX
Brushed steel

347AWHX
White

Double frosted glass lens provides soft diffuse light. Lamp slightly off-center enabling 0-35° vertical adjustability (includes locking device) or can be locked in downlight position with centered lamp.

Non-IC remodeler		Non-IC frame-in kit	
300MRSPX	**3401MREX**	**302MRSPX**	**302MREX**
37W MR16 IR	37W MR16 IR	50W MR16 / 37W MR16 IR	50W MR16 / 37W MR16 IR

IC frame-in kit	Airseal® IC frame-in kit	
302MRIC9SPX	**302MRAICSPX**	**302MRAICEX**
50W MR16 / 37W MR16 IR	37W MR16 IR	37W MR16 IR

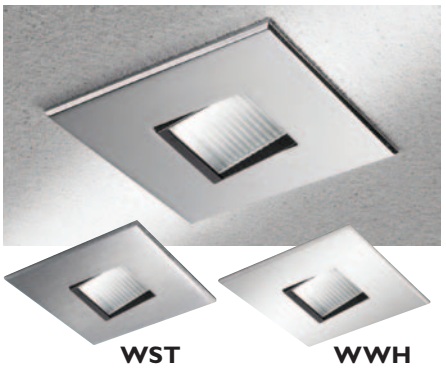
One-piece aluminum reflector and flange for uniform look. Recessed lamp rotates 358° horizontally and is adjustable from below. Vertical adjustability up to 35° (includes locking device). Accommodates all ceiling types from 1/8" to 1" thick.

300X series trims

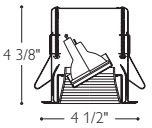
Square trims

When it comes to design and functionality, nothing compares to LytePoints. The adjustable cone provides a stylish architectural look and performance with its anodized optics. The wall wash uses optic design to provide a specific lighting effect with minimal visual impact at the ceiling.

Square lens wall washer



1 7/8" Inside diameter



346WSTX
Brushed steel

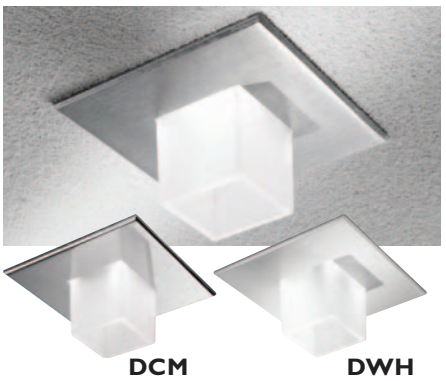
346WWHX
White

Single-position off-center lamp provides gentle ceiling-to-floor wash of light. Asymmetric lens features ribbed, frosted tempered glass. Dropped lens holder with attractive black painted finish and white painted optic for uniform light diffusion.

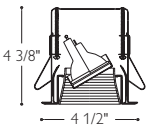
Non-IC remodeler		Non-IC frame-in kit	
300MRSPX	**3401MREX**	**302MRSPX**	**302MREX**
37W MR16 IR	37W MR16 IR	50W MR16 / 37W MR16 IR	50W MR16 / 37W MR16 IR

IC frame-in kit	Airseal® IC frame-in kit	
302MRIC9SPX	**302MRAICSPX**	**302MRAICEX**
50W MR16 / 37W MR16 IR	37W MR16 IR	37W MR16 IR

Square drop glass



1 7/8" Inside diameter



341DSTX
Brushed steel

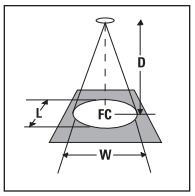
341DWHX
White

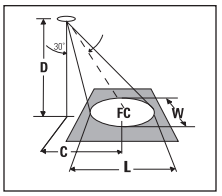
Decorative frosted glass element for soft diffuse ambient light and an interior cone with specular Alzak finish for increased performance. Centered lamp for single-position downlighting. Glass element only 1 7/8" x 1 7/8".

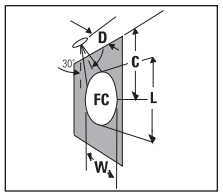
Non-IC remodeler		Non-IC frame-in kit	
300MRSPX	**3401MREX**	**302MRSPX**	**302MREX**
37W MR16 IR	37W MR16 IR	50W MR16 / 37W MR16 IR	50W MR16 / 37W MR16 IR

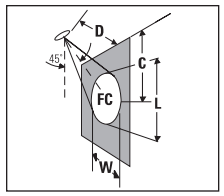
IC frame-in kit	Airseal® IC frame-in kit	
302MRIC9SPX	**302MRAICSPX**	**302MRAICEX**
50W MR16 / 37W MR16 IR	37W MR16 IR	37W MR16 IR

Accent lighting performance data







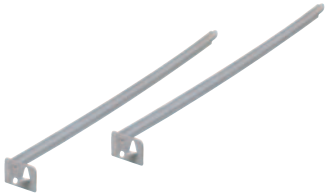


Lamps	Beam spread (To 50% CBCP)	CBCP	Rated life (hrs.)	0° Aiming angle D	0° Aiming angle FC	0° Aiming angle L	0° Aiming angle W	30° Aiming angle D	30° Aiming angle C	30° Aiming angle FC	30° Aiming angle L	30° Aiming angle W	30° Aiming angle D	30° Aiming angle C	30° Aiming angle FC	30° Aiming angle L	30° Aiming angle W	45° Aiming angle D	45° Aiming angle C	45° Aiming angle FC	45° Aiming angle L	45° Aiming angle W
MR16 Low voltage halogen bi-pin lamps																						
20W MR16 VNSP (EZX)	7°	8200	3000	7' 167 0.9' 0.9' 10' 82 1.2' 1.2' 13' 49 1.6' 1.6' 16' 32 2.0' 2.0'	6' 3.5' 148 1.0' 0.8' 9' 5.2' 66 1.5' 1.3' 12' 6.9' 37 2.0' 1.7' 15' 8.7' 24 2.3' 2.1'	2' 3.5 256 1.0' 0.5' 3' 5.2' 114 1.5' 0.7' 4' 6.9' 64 2.0' 1.0' 5' 8.7' 41 2.5' 1.2'	4' 4.0' 181 1.0 0.7' 6' 6.0' 81 1.5 1.0' 8' 8.0' 45 2.0 1.4' 10' 10.0' 29 2.5 1.7'
20W MR16 NSP (ESX)	13°	3600	3000	6' 100 1.4' 1.4' 8' 56 1.8' 1.8' 10' 36 2.3' 2.3' 12' 25 2.7' 2.7'	5' 2.9' 94 1.5' 1.3' 7' 4.0' 48 2.1' 1.8' 9' 5.2' 29 2.7' 2.4' 11' 6.4' 19 3.4' 2.9'	2' 3.5' 113 1.9' 0.9' 3' 5.2' 50 2.8' 1.4' 4' 6.9' 28 3.8' 1.8' 5' 8.7' 18 4.7' 2.3'	3' 3.0 141 1.4' 1.0' 5' 5.0 51 2.3' 1.6' 7' 7.0' 26 3.2' 2.3' 9' 9.0' 16 4.2' 2.9'
20W MR16 FL (BAB)	40°	525	4000	2' 131 1.5' 1.5' 3' 58 2.2' 2.2' 4' 33 2.9' 2.9' 5' 21 3.6' 3.6'	2' 1.2' 85 2.0' 1.7' 3' 1.7' 38 3.0' 2.5' 4' 2.3' 21 4.1' 3.4' 5' 2.9' 14 5.1' 4.2'	1' 1.7' 66 4.8' 1.5' 2' 3.5' 16 9.7' 2.9' 3' 5.2' 7 14.5' 4.4' 4' 6.9' 4 19.3' 5.8'	2' 2.0' 46 3.4' 2.1' 3' 3.0' 21 5.0' 3.1' 4' 4.0' 12 6.7' 4.1' 5' 5.0' 7 8.4' 5.1'
35W MR16 NSP (FRB)	12°	8700	4000	7' 178 1.5' 1.5' 10' 87 2.1' 2.1' 13' 51 2.7' 2.7' 16' 34 3.4' 3.4'	6' 3.5' 157 1.7' 1.5' 9' 5.2' 70 2.5' 2.2' 12' 6.9' 39 3.4' 2.9' 15' 8.7' 25 4.2' 3.6'	2' 3.5' 272 1.7' 0.8' 3' 5.2' 121 2.6' 1.3' 4' 6.9' 68 3.5' 1.7' 5' 6.7' 44 4.3' 2.1'	4' 4.0' 192 1.7' 1.2' 6' 6.0' 85 2.6' 1.8' 8' 8.0' 48 3.4' 2.4' 10' 10.0' 31 4.3' 3.0'
35W MR16 SP (FRA)	20°	3900	4000	6' 108 2.1' 2.1' 8' 61 2.8' 2.8' 10' 39 3.5' 3.5' 12' 27 4.2' 4.2'	5' 2.9 101 2.4' 2.0' 7' 4.0' 52 3.3' 2.9' 9' 5.2' 31 4.3' 3.7' 11' 6.4' 21 5.2' 4.5'	2' 3.5' 122 3.1' 1.4' 3' 5.2' 54 4.7' 2.1' 4' 6.9' 30 6.2' 2.8' 5' 8.7' 20 7.8' 3.5'	3' 3.0' 153 2.2' 1.5' 5' 5.0' 55 3.6' 2.5' 7' 7.0' 28 5.1' 3.5' 9' 9.0' 17 6.6' 4.5'
35W MR16 FL (FMW)	40°	1600	4000	4' 100 2.9' 2.9' 6' 44 4.4' 4.4' 8' 25 5.8' 5.8' 10' 16 7.3' 7.3'	3' 1.7' 115 3.0' 2.5' 5' 2.9' 42 5.1' 4.2' 7' 4.0' 21 7.1' 5.8' 9' 5.2' 13 9.1' 7.6'	1' 1.7' 200 4.8' 1.5' 2' 3.5' 50 9.7' 2.9' 3' 5.2' 22 14.5' 4.4' 4' 6.9' 13 19.3' 5.8'	3' 3.0' 63 5.0' 3.1' 4' 4.0' 35 6.7' 4.1' 5' 5.0' 23 8.4' 5.1' 6' 6.0' 16 10.1' 6.2'
37W MR16 IR (NSP)	10°	11500	4000	6' 180 1.4' 1.4' 12' 80 2.1' 2.1' 16' 45 2.8' 2.8' 20' 29 3.5' 3.5'	7' 4.0' 152 1.6' 1.4' 10' 5.8' 75 2.3' 2.0' 13' 7.5' 44 3.0' 2.8" 16' 9.2' 29 3.7' 3.2'	3' 5.2' 160 2.1' 1.0' 4' 6.9' 90' 2.9' 1.4' 5' 8.7' 58 3.6' 1.7' 6' 10.4' 40 4.3' 2.1'	5' 5.0' 163 1.8' 1.2' 7' 7.0' 83 2.5' 1.7' 9' 9.0' 50 3.2' 2.2' 11' 11.0' 34 3.9' 2.7'
37W MR16 IR (NFL)	25°	3500	4000	6' 97 2.7' 2.7' 8' 55 3.5' 3.5' 10' 35 4.4' 4.4' 12' 24 5.3' 5.3'	5' 2.9' 91 3.0' 2.6' 7' 4.0' 46 4.2' 3.6' 9' 5.2' 28 5.4' 4.6' 11' 6.4' 19 6.6' 5.6'	2' 3.5' 109 4.2' 1.8' 3' 5.2' 49 6.2' 2.7' 4' 6.9' 27 8.3' 3.5' 5' 8.7' 18' 10.4' 4.4'	3' 3.0' 137 2.8' 1.9' 5' 5.0' 49 4.7' 3.1' 7' 7.0' 25 6.5' 4.4' 9' 9.0' 15 8.4' 5.6'
37W MR16 IR (FL)	40°	2050	4000	4' 128 2.9' 2.9' 6' 57 4.4' 4.4' 8' 32 5.8' 5.8' 10' 21 7.3' 7.3'	3' 1.7' 148 3.0' 2.5' 5' 2.9' 53 5.1' 4.2' 7' 4.0' 27 7.1' 5.9' 9' 5.2' 16 9.1' 7.6'	1' 1.7' 258 4.8' 1.5' 2' 3.5' 64 9.7' 2.9' 3' 5.2' 28 14.5' 4.4' 4' 6.9' 16 19.3' 5.8'	3' 3.0' 61 5.0' 3.1' 4' 4.0' 45 6.7' 4.1' 5' 5.0' 29 8.4' 5.1' 6' 6.0' 20 10.1' 6.2'
42W MR16 VNSP (EZY)	9°	13,100	3500	8' 205 1.3' 1.3' 12' 91 1.9' 1.9' 16' 51 2.5' 2.5' 20' 33 3.1' 3.1'	7' 4.0 174 1.5' 1.3' 10' 5.8' 85 2.1' 1.8' 13' 7.5' 50 2.7' 2.4' 16' 9.2' 33 3.4' 2.9'	3' 5.2' 182 1.9' 0.9' 4' 6.9' 102 2.6' 1.3' 5' 8.7' 66 3.2' 1.6' 6' 10.4 45 3.8' 1.9'	5' 5.0' 185 1.6' 1.1' 7' 7.0 95 2.2' 1.6' 9' 9.0' 57 2.8' 2.0' 11' 11.0' 38 3.5' 2.4'
42W MR16 NFL (EYS)	27°	2400	4000	4' 150 1.9' 1.9' 6' 67 2.9' 2.9' 8' 38 3.8' 3.8' 10' 24 4.8' 4.8'	3' 1.7' 173 2.0' 1.7' 5' 2.9' 62 3.3' 2.8' 7' 4.0' 32 4.6' 3.9' 9' 5.2' 19 5.9' 5.0'	1' 1.7' 300 2.3' 1.0' 2' 3.5' 75 4.6' 1.9' 3' 5.2' 33 7.0' 2.9' 4' 6.9' 19 9.3' 3.6'	3' 3.0 94 3.1' 2.0' 4' 4.0' 53 4.1' 2.7' 5' 5.0' 34 5.1' 3.4' 6' 6.0' 24 6.1' 4.1'
50W MR16 NSP (Ext)	14°	10,200	4000	8' 159 2.0' 2.0' 12' 71 2.9' 2.9' 16' 40 3.8' 3.9' 20' 26 4.9' 4.9'	7' 4.0' 135 2.3' 2.0' 10' 5.8' 66 3.3' 2.8' 13' 7.5' 39 4.3' 3.7' 15' 9.2' 28 5.3' 4.5'	3' 5.2' 142 3.1' 1.5' 4' 6.9' 80 4.1' 2.0' 5' 8.7' 51 5.1' 2.5' 6' 10.4' 35 6.2' 2.9'	5' 5.0' 144 2.5' 1.7' 7' 7.0' 74 3.5' 2.4' 9' 9.0' 45 4.5' 3.1' 11' 11.0' 30 5.5' 3.8'
50W MR16 NFL (EXZ)	27°	3400	4000	6' 94 2.9' 2.9' 8' 53 3.8' 3.8' 10' 34 4.8' 4.8' 12' 24 5.8' 5.8'	5' 2.9' 88 3.3' 2.8' 7' 4.0' 45 4.6' 3.9' 9' 5.2' 27 5.9' 5.0' 11' 6.4' 18 7.2' 6.1'	2' 3.5' 106 4.6' 1.9' 3' 5.2' 47 7.0' 2.9' 4' 6.9' 27 9.3' 3.6' 5' 8.7' 17 11.6' 4.8'	3' 3.0' 134 3.1' 2.0' 5' 5.0' 48 5.1' 3.4' 7' 7.0' 25 7.1' 4.8' 9' 9.0' 15 9.2' 6.1'
50W MR16 FL (EXN)	40°	1850	4000	4' 116 2.9' 2.9' 6' 51 4.4' 4.4' 8' 29 5.8' 5.8' 10' 19 7.3' 7.3'	3' 1.7' 134 3.0' 2.5' 5' 2.9 48 5.1' 4.2' 7' 4.0' 25 7.1' 5.9' 9' 5.2' 15 9.1' 7.6'	1' 1.7' 231 4.8' 1.5' 2' 3.5' 58 9.7' 2.9' 3' 5.2' 26 14.5' 4.4' 4' 6.9' 14 19.3' 5.8'	3' 3.0' 73 5.0' 3.1' 4' 4.0' 41 6.7' 4.1' 5' 5.0' 26 8.4' 5.1' 6' 6.0' 18 10.1' 6.2'
50W MR16 WFL (FNV)	55°	1150	4000	3' 128 3.1' 3.1' 5' 46 5.2' 5.2' 7' 23 7.3' 7.3' 9' 14 9.4' 9.4'	3' 1.7' 83 4.6' 3.6' 5' 2.9' 30 7.6' 6.0' 7' 4.0' 15 10.7' 8.4' 9' 5.2' 9 13.7' 10.8'	1' 1.7' 144 22.3' 2.1' 2' 3.5' 36 44.5' 4.2' 3' 5.2' 16 66.8' 6.2' 4' 6.9' 9 89.1' 8.3'	2' 2.0' 102 5.7' 2.9' 3' 3.0' 45 8.6' 4.4' 4' 4.0' 25 11.4' 5.9' 5' 5.0' 16 14.3' 7.4'
73W MR16 SP	10°	14000	4000	8' 219 1.4' 1.4' 12' 97 2.1' 2,1' 16' 55 2.8' 2.9' 20' 35 3.5' 3.5'	7' 4.0' 186 1.6' 1.4' 10' 5.8' 91 2.3' 2.0' 13' 7.5' 54 3.0' 2.6' 16' 8.2' 36 3.7' 3.2'	3' 5.2' 194 2.1' 1.0' 4' 8.9' 109 2.9' 1.4' 5' 8.7' 70 3.6' 1.7' 6' 10.4' 49 43' 2.1'	5' 5.0' 198 1.8' 1.2' 7' 7.0' 101 2.5' 1.7' 9' 9.0' 61 3.2'' 2.5' 11' 11.0' 41 3.8' 2.7'
73W MR16 FL	36°	2500	4000	4' 156 2.5' 2.6' 6' 59 3.8' 3.8' 8' 39 5.2' 5.2' 10' 25 6.5' 6.5'	3' 1.7' 180 2.7' 2.3' 5' 2.9' 65 4.5' 3.8' 7' 4.0' 33 6.3' 5.3' 9' 5.2' 20 6.1' 6.6'	1' 1.7' 313 3.8' 1.3' 2' 3.5' 78 7.5' 2.6' 3' 5.2' 35 11.4' 3.9' 4' 6.9' 20 15.2' 5.2'	3' 3.0' 98 4.4' 2.8' 4' 4.0' 55 5.8' 3.7' 5' 5.0' 35 7.3' 4.6' 6' 6.0' 25 6.7' 5.5'
75W MR16 NSP (EYF)	14°	12,000	4000	8' 188 2.0' 2.0' 12' 83 2.9' 2.9' 16' 47 3.9' 3.9' 20' 30 4.9' 4.9'	7' 4.0' 159 2.3' 2.0' 10' 5.8' 78 3.3' 2.8' 13' 7.5' 40 4.3' 3.7' 16' 9.2' 30 5.3' 4.5'	3' 5.2' 167 3.1' 1.5' 4' 6.9' 94 4.1' 2.0' 5' 8.7' 60 5.1' 2.5' 6' 10.4' 42 6.2' 2.9'	5' 5.0' 170 2.5' 1.7' 7' 7.0' 87 3.5' 2.4' 9' 9.0' 52 4.5' 3.1' 11' 11.0' 35 5.5' 3.8'
75W MR16 NFL (EYJ)	25°	4900	4000	6' 136 2.7' 2.7' 8' 77 3.5' 3.5' 10' 49 4.4' 4.4' 12' 34 5.3' 5.3'	5' 2.9' 127 3.0' 2.6' 7' 4.0' 65 4.2' 3.6' 9' 5.2' 39 5.4' 4.6' 11' 6.4' 26 6.6' 5.6'	2' 3.5' 153 4.2' 1.8' 3' 5.2' 68 6.2' 2.7' 4' 6.9' 38 8.3' 3.5' 5' 8.7 25 10.4' 4.4'	3' 3.0' 192 2.8' 1.9' 5' 5.0' 69 4.7' 3.1' 7' 7.0' 35 6.5' 4.4' 9' 9.0' 21 8.4' 5.6'
75W MR16 FL (EYC)	42°	2100	4000	4' 131 3.1' 3.1' 6' 58 4.6' 4.6' 8' 33 6.1' 6.1' 10' 21 7.7' 7.7'	3' 1.7' 152 3.2' 2.7' 5' 2.9' 55 5.4' 4.4' 7' 4.0' 28 7.5' 6.2' 9' 5.2' 17 9.7' 6.0	1' 1.7' 263 5.5' 1.5' 2' 3.5' 66 11.0' 3.1' 3' 5.2' 29 16.5' 4.6' 4' 6.9' 16 22.0' 6.1'	3' 3.0' 62 5.4' 3.3' 4' 4.0' 46 7.2' 4.3' 5' 5.0' 30 9.0' 5.4' 6' 6.0' 21 10.8' 6.5'

(FC) is initial footcandles at center of beam. Beam length **(L)** and beam width **(W)** are to where the candlepower is reduced to 50% of center beam candlepower. **CBCP** is center beam candlepower. **(C)** is distance to the center of the beam. Lamp data shown is typical and is based on bare lamp photometrics. Contact lamp manufacturers for availability and performance.

Accessories

Mounting bars



1964 20" mounting bar extenders. Set of 2. Compatible with 302 Series and 402 Series Frame-in Kits.
Excludes: 302ESAICX
302MRAICX

T-bar ceiling clips

1956 All standard frame-in kit mounting bars have an integral T-bar tab. This accessory is to be used with 20" mounting bars, item 1964. Set of 4.

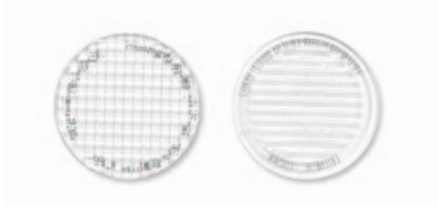
MR16 specialty filters and louvers

Description	Catalog number 2"
Diffusion:	
Symmetric 55 degree	**AF2SY**
Asymmetric 5 x 55 degree	**AF2AS**
Perimeter Frost	**AF2PF**
Soft Focus	**AF2SF**
Specialty:	
Ultraviolet Reduction	**AF2UV**
Infrared Reduction	**AF2IR**

ES16 lamp

56946 120V 50W 25 degree NFL, 2000 hours average life, same size as a 12V MR16 Lamp. "W" shaped vibration resistant filament. Turn and lock base allows front relamping with certain trims. Can be dimmed with standard Line Voltage dimmers. Integral cover glass for added safety.

Spread lens & beam elongator



Spread Lens
0088SY Symmetric prismatic spread lens. Compatible with 378X and 478X Elbow series.

Thick ceiling adapter

300XTC Allows installation of LytePoints 300 Series trims in ceilings up to 2 3/4" thick.

HENRI MATISSE

Philips Lightolier standard downlighting products cover a wide variety of affordable downlight systems addressing a full range of applications and installation requirements.

Contents

Lytecaster LED retrofit > 1.272
Lytecaster & Lytening line voltage > 1.285
Lytecaster & Lytening low voltage > 1.309
Lytecaster compact fluorescent > 1.315
Lytening compact fluorescent > 1.317
FireLine > 1.331
Lytecaster Lytegems > 1.333
Lytecaster accessories > 1.334

Lytecaster housing retrofit Kit for LED conversion

Frame-in kits

Philips Lightolier embraces recent advances in technology to provide the latest in Energy Smart lighting. The advances in Light Emitting Diode (LED) technology allow Philips Lightolier to provide superior energy savings while maintaining the same level of quality lighting in the space. Our fixtures don't just utilize the most efficient light sources, they are carefully designed around them to provide the highest light output while maintaining shielding for comfortable, glare-free installations.

LED Retrofit / remodeler

Lytecaster's unmatched selection, performance and flexibility make it the first choice for the most demanding residential and light commercial lighting applications. Lytecaster LED Retrofit and Remodeler provide the following benefits:

- Provide over 900 fixture lumens, equal to a 75w incandescent lamp
- Use up to 70% of the energy of comparable incandescent sources
- Tool-free installation
- Available in a 5" and 6 3/4" version
- Dimming versions compatible with most incandescent style dimmers

5" / 6¾" LED retrofit non-IC

LED Retrofit All testing conducted in accordance with IESNA LM79 and LM80 standards.

Catalog no..	Ceiling	Color Temp	Input Volts	Watts	Lumens
L56LED09S271	Non-IC Retrofit	2700k	120V	19W	900 lm*
L56LED09S27D1	Non-IC Retrofit dimming			23W	
L56LED09S351	Non-IC Retrofit	3500k		19W	
L56LED09S35D1	Non-IC Retrofit dimming			23W	

*** Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.**

Designed to be compatible with new construction frames where insulation will not be installed. This steel frame will accommodate ceilings up to 1" thick. Steel mounting bars will extend from 13" to 27". Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, mounting bars lock to T-bar ceiling runners without accessories, 1102P1 UL listed for through wiring.

Non-dimming

Input voltage	Input frequency	Max input current	Max input power	Max THD	Power factor	Minimum operating temperature
120V	50/60Hz	0.16	20W	< 20%	>.9	-20° C

Dimming

Input voltage	Input frequency	Max input current	Max input power	Max THD	Power factor	Minimum operating temperature	% minimum dimming
120V	50/60Hz	0.2	23W	< 20%	>.9	-20° C	< 5%

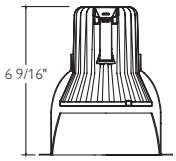
Lytecaster LED retrofit

5" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

5" Aperture cone

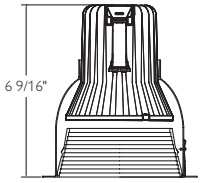


Frame-in kit	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W
1000LED Series	900 lms	19W / 23W
1001LED Series	900 lms	19W / 23W

Reflector

1008	Brushed gold	**1008NM**	Brushed gold, natural metal flange
1010	Brushed clear	**1010NM**	Brushed clear, natural metal flange
1012	Specular gold	**1012NM**	Specular gold, natural metal flange
1013	Specular clear	**1013NM**	Specular clear, natural metal flange
1013BK	Specular black	**1013BKNM**	Specular black, natural metal flange
1013CD	Clear diffuse	**1013CDNM**	Clear diffuse, natural metal flange
1013WH	Matte white		

5" Step baffle

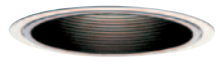


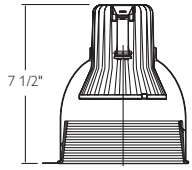
Frame-in kit	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W
1000LED Series	900 lms	19W / 23W
1001LED Series	900 lms	19W / 23W

Reflector

1005	Matte black
1005WH	Matte white
1005NM	Matte black, natural metal flange
1005BNM	Natural metal baffle, natural metal flange

5" Basic baffle





Frame-in kit	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W
1000LED Series	900 lms	19W / 23W
1001LED Series	900 lms	19W / 23W

Reflector

1076	Matte black
1076WH	Gloss white

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

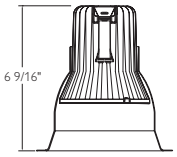
Lytecaster LED retrofit

5" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

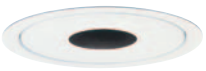
5" Basic white reflector

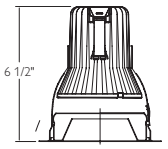


Reflector	
1071	Perma white

Frame-in kit	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W
1000LED Series	900 lms	19W / 23W
1001LED Series	900 lms	19W / 23W

5" Pinhole

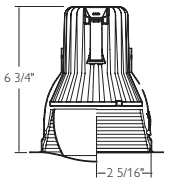




Reflector	
1011	Matte white Faceplate

Frame-in kit	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W
1000LED Series	900 lms	19W / 23W
1001LED Series	900 lms	19W / 23W

5" Step baffle wall washer

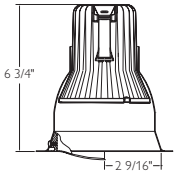


Reflector	
1035	Matte black step baffle
1035WH	Matte white step baffle

Frame-in kit	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W
1000LED Series	900 lms	19W / 23W
1001LED Series	900 lms	19W / 23W

L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

5" Basic wall washer



Reflector	
1085	Gloss white

Frame-in kit	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W
1000LED Series	900 lms	19W / 23W
1001LED Series	900 lms	19W / 23W

L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

Lytecaster LED retrofit

5" Trims

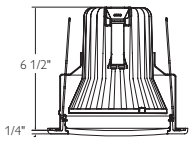
Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

5" Lensed wet location

Reflector

1090	Etch white

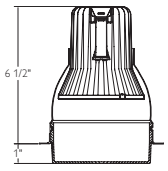


Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

5" Opalex dropped wet location

Reflector

1078	Lexan

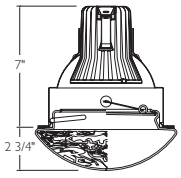


Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

5" Cratere dome

Reflector

1024	Cratere Glass



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

Lytecaster LED retrofit

6¾" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
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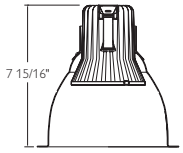
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

6¾" Deep anodized

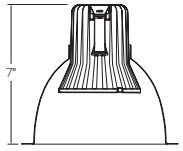


Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

Reflector

1145	Specular gold
1146	Specular clear
1146CD	Clear diffuse

6¾" shallow anodized

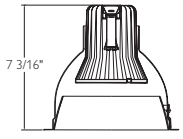


Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

Reflector

1143	Specular gold
1144	Specular clear
1144CD	Clear diffuse

6¾" Aperture cone



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

Reflector

1108	Brushed gold	**1108NM**	Brushed gold, natural metal flange
1110	Brushed clear	**1110NM**	Brushed clear, natural metal flange
1112	Specular gold	**1112NM**	Specular gold, natural metal flange
1113	Specular clear	**1113NM**	Specular clear, natural metal flange
1113BK	Specular black	**1113BKNM**	Specular black, natural metal flange
1113CD	Clear diffuse	**1113CDNM**	Clear diffuse, natural metal flange
1113WH	Matte white		

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

Lytecaster LED retrofit

6 ¾" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

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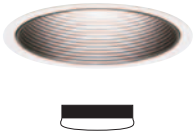
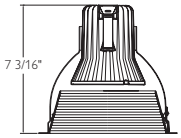
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

6 ¾" Step baffle

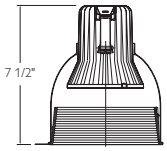




Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

Reflector	
1105	Matte black
1105NM	Matte black, natural metal flange
1105BNM	Natural metal baffle, natural metal flange
1105WH	Matte white

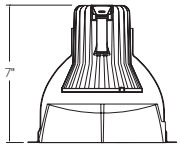
6 ¾" Basic baffle



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

Reflector	
1176	Black
1176WH	Gloss white

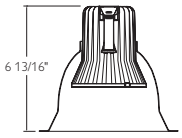
6 ¾" Cross blade



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

Reflector	
1132	White

6 ¾" Basic white reflector



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

Reflector	
1171	Gloss white

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

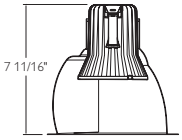
Lytecaster LED retrofit

6¾" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

6¾" Basic eyelid wall washer

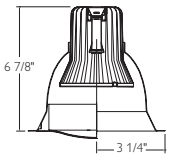


Reflector	
1195	Specular gold
1196	Specular clear
1196CD	Clear diffuse

Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

6¾" Basic eyelid wall washer

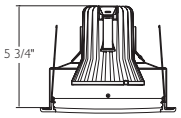


Reflector	
1185	Gloss white

Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

L56WWLENS Accessory – this lens should be used with the open wall wash to ensure even light distribution across the vertical surface

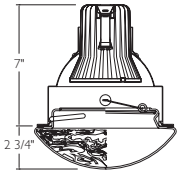
6¾" Lensed wet location



Reflector	
1190	Etch white

Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

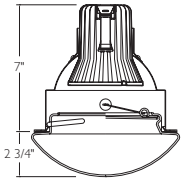
6¾" Cratere dome



Reflector	
1124	Cratere Glass

Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

6¾" Opal dome



Reflector	
1134	Opal glass

Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

† 1500 lumen product has dimming standard.

Lytecaster LED retrofit

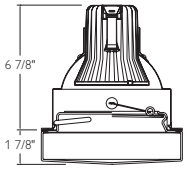
6¾" Trims

Lytecaster significantly expands the flexibility of its LED offering with the compatibility of dozens of existing trim styles. This approach provides numerous advantages:

- Provide superior aesthetics, cut-off and performance
- Maintain consistency across the ceiling
- Expand your design options with numerous trim styles and finishes
- No dedicated optics. Use existing inventory.
- For use with the 1002P1 frame-in kit

6¾" Opal disk

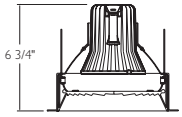
Reflector	
1121	Opal glass



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

6¾" Fresnel lenslite

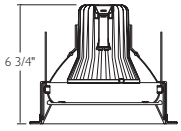
Reflector	
1126	Fresnel lens



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

6¾" White diffuser

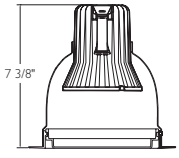
Reflector	
1128	White diffuser



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

6¾" Opalex flush

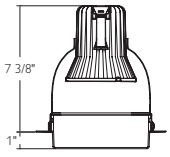
Reflector	
1177SH	Lexan diffuser



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

6¾" Opalex dropped diffuser

Reflector	
1178SH	Lexan diffuser



Retro frame-in kit for LED	Lamping	Wattage (non dim / dim)
L56LED Series	900 lms	19W / 23W

* Lumen performance varies by color temperature, driver and trim option. Please reference specification sheets for performance details.

Lytecaster basic series

Frame-in kits

Lytecaster's wide selection of reflector trims and Frame-in kit options allows the designer great flexibility in achieving all the beauty and drama Line Voltage lighting can deliver.

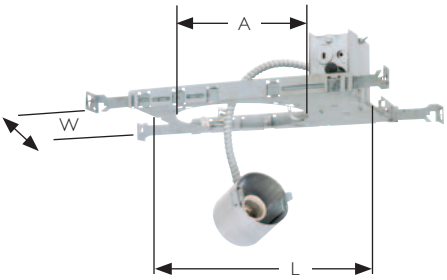
The color rendering of Line Voltage sources ranges all the way from the warm tones of conventional A-lamps to the brilliant light of tungsten halogen. Downlights with A-lamps produce smooth, soft-edged beams with minimal glare that are excellent for general lighting in virtually any application. Lytecaster's precise optics and high quality reflector finishes maximize the output of these economical sources for the greatest possible efficiency.

Lytecaster

Lytecaster's unmatched selection, performance and flexibility make it the first choice for the most demanding residential and light commercial lighting applications. Lytecaster FIK's offer all installation options: IC, Non-IC, AirSeal® IC and Deep IC.

- Compatible with all Lytecaster Line Voltage Reflector Trims and 6 3/4" low voltage trims.
- Deliver the highest wattages and greatest adjustability in both IC and Non-IC installations.
- Provide deeply recessed lamps with the best cut-off and glare control.

Standard non-IC



Note: 1002P1 and 1102P1 available for Chicago Plenum – consult factory.

	2002P1	1002P1	1102P1
Cut out (A)	3 11/16"	5 1/8"	6 13/16"
Width (W)	7 1/2"	7 1/2"	9"
Length (L)	9 5/8"	9 5/8"	11 1/8"
Depth* (D)	See reflector trim		

Designed for new construction where insulation will not be installed. This steel frame will accommodate ceilings up to 1" thick. Steel mounting bars will extend from 13" to 27". Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, mounting bars lock to T-bar ceiling runners without accessories, 1102P1 UL listed for through wiring.

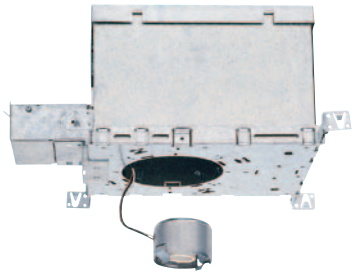
Remodeler non-IC

Designed for existing construction where insulation will not be installed. Pre-installed mounting straps secure flanged ring without tools and without damaging plaster or gypsum ceilings up to 2" thick. Junction box allows direct "daisy-chain" wiring to other fixtures. Tool-free cable clamps allow fast, convenient installation, for nonmetallic (Romex®) cable.

	2003R	1003R	1103R
Cut out (A)	3 15/16"	5 3/8"	6 13/16"
Width (W)	4 3/8"	5 3/4"	7 3/8"
Length (L)	11 1/2"	13"	14 9/16"
Depth* (D)	See reflector trim		

Performance PAR non-IC

Designed for new construction where insulation will not be installed. Performance PAR Non-IC is specifically designed for use with Performance PAR Recessed Adjustable reflector trims. Accommodates ceilings up to 1" thick. Integral wood joist nailing tabs, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories.



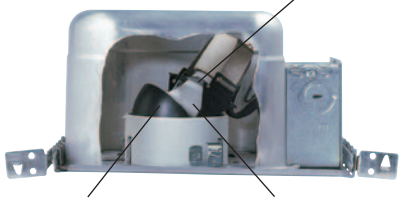
	2000P1	1000P1	1700P1
Cut out (A)	3 11/16"	5 1/8"	7 7/8"
Width (W)	7 1/2"	9"	10 7/8"
Length (L)	10 1/4"	15 1/2"	15 1/2"
Depth* (D)	5 1/2"	6 7/8"	9 3/4"

Standard IC, deep IC and AirSeal® IC

Designed for new construction where insulation will be in direct contact with the fixture. IC housings designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1" thick. Installed appearance of Deep IC precisely matches Lytecaster Non-IC Frame-in Kits. Fully gasketed AirSeal® IC housings minimize air leakage for compliance with MEC and WSEC. Mounting bars lock to T-bar ceiling runners without accessories, UL listed for through wiring, integral cable clamps for nonmetallic (Romex®) cable.

AirSeal	1000IC 1000AICM	1100IC 1100AICM	
Cut out (A)	5 1/8"	6 13/16"	
Width (W)	9"	9"	
Length (L)	15 1/2"	15 1/2"	
Depth (D)	7 5/16"	7 5/16"	9 1/4"

Performance PAR
Recessed Adjustable



Performance IC
3 ¾" new construction

2001F13ICU / 2001F13ICUN	13w Quad/Triple Tube G24q-1/ GX24q-1 Base
2001F18ICU / 2001F18ICUN	18w Triple Tube GX24q-2 Base

Cut out	3 15/16"
Width	10 3/8"
Length	12 3/4"
Depth	7 1/4"

Input power Frame-in kit	Total watts	Amp (120/277V)
2001F13 Series	16W	0.13/0.06
2001F18 Series	19W	0.16/0.07

Performance IC
5" new construction

1001F13ICU / 1001F13ICUN	13w Quad/Triple Tube G24q-1/ GX24q-1 Base
1001F18ICU / 1001F18ICUN	18w Triple Tube GX24q-2 Base
1001F26ICU / 1001F26ICUN	26w Triple Tube GX24q-3 Base

Cut out	5 1/4"
Width	10 3/8"
Length	12 1/4"
Depth	7 1/4"

Input power Frame-in kit	Total watts	Amp (120/277V)
1001F13 Series	16W	0.13/0.06
1001F18 Series	20W	0.17/0.08
1001F26 Series	29W	0.24/0.11

Performance IC
6 ¾" new construction

1101F18ICU / 1101F18ICUN	18w Quad/ Triple Tube
1101F26ICU / 1101F2642ICUN	26w Quad Tube – 26-42W Triple

Cut out	6 15/16"
Width	10 3/8"
Length	12 1/4"
Depth	7 1/4"

Input power Frame-in kit	Total watts	Amp (120/277V)
1101F18 Series	20W	0.23/0.10
1101F2642 Series	29W	0.33/0.14 (26W)
	36W	0.40/0.17 (32W)
	46W	0.53/0.23 (42W)

Designed for new construction where insulation will come in direct contact. AirSeal® frame provides pivoting bar ends, pre-installed mounting screws (or nails) and tool-free cable clamps for non-metallic Romex® cable. Accommodates ceilings up to 1 1/2" thick, 3/8" deep integral lip. AirSeal® complies with MEC and WSEC.

Ballast: Mounted inside housing. 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating.

About the Lytening series

5 1/2" thru 7" frame-in kits

Units featuring reflectorized lamps, such as PAR and BR lamps, are a good choice for accent lighting and wall washing, or wherever highly controlled beams are desired. Small-scale halogen PAR lamps such as the PAR16, PAR20, and PAR30 produce crisp, white light that is very similar in effect to low voltage lighting. Lytecaster downlights designed around these light sources are an excellent way to achieve the look and feel of low voltage accent lighting without the cost or complexity of transformers.

Lytening convertible remodeler IC/non-IC

Remodeler may be used in existing insulated or non-insulated ceilings up to 2" thick. Junction box on flex for easier mounting in restricted applications. AirSeal® ready, complies with MEC and WSEC air leakage requirements when installed as instructed. Integral cable clamps for nonmetallic (Romex®) cable.

	1004ICR	1104ICR
Cut out (A)	5 3/8"	7"
Width (W)	5 3/4"	7 5/16"
Length (L)	11 3/8"	13 1/8"
Depth* (D)	7 1/2"	7 1/2"

Lytening shallow convertible IC/non-IC

Shallow remodeler IC/Non-IC housing for use in 2" x 6" joist construction. Junction box on flex for restricted applications. AirSeal® ready, complies with MEC and WSEC air leakage requirements when installed as instructed.

	1004SICR	1104SICR
Cut out (A)	5 1/2"	6 13/16"
Width (W)	5 3/4"	7 5/16"
Length (L)	11 3/8"	13 1/8"
Depth* (D)	5 1/2"	5 1/2"

Lytening shallow convertible IC/non-IC

Shallow new construction IC/Non-IC housing for use in 2" x 6" joist construction. Pivoting bar-ends, tool-free cable clamps for nonmetallic (Romex®) cable and pre installed mounting screws are standard. AirSeal, complies with MEC and WSEC air leakage requirements when installed as instructed. UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories.

1104SICN
Preset Nails

1004SICN
Preset Nails

	1004SIC	1104SIC
Cut out (A)	5 3/8"	6 13/16"
Width (W)	5 3/4"	7 5/16"
Length (L)	9"	10 3/4"
Depth* (D)	5 1/2"	5 1/2"

Lytening IC

IC housing designed to offer a full range of lighting performance in fully insulated ceiling applications up to 1" thick. Accepts a wide choice of reflector trims and lamps to 120W. AirSeal® complies with MEC and WSEC air leakage requirements. Pivoting bar-ends, pre-installed mounting screws (or nails), and tool-free cable clamps for fast, convenient installation.

1104ICXQ
Quick connects

1104ICXN
Preset nails

1104ICXNQ
Preset nails / quick connects

1004ICXQ
Quick connects

1004ICXN
Preset nails

1004ICXNQ
Preset nails / quick connects

	1004ICX	1104ICX
Cut out (A)	5 1/4"	6 15/16"
Width (W)	10 3/8"	10 3/8"
Length (L)	12 1/4"	12 1/4"
Depth* (D)	7 1/4"	7 1/4"

Lytening convertible IC/non-IC

Convertible IC/Non-IC for new construction ceilings up to 3" thick. AirSeal®, complies with MEC and WSEC air leakage requirements when installed as instructed. Pivoting bar-ends, pre-installed mounting screws, and tool-free cable clamps for fast, convenient installation. Mounting bars lock to T-bar ceiling runners without accessories, UL listed for through wiring.

1104ICQ
Quick connects

1104ICN
Preset nails

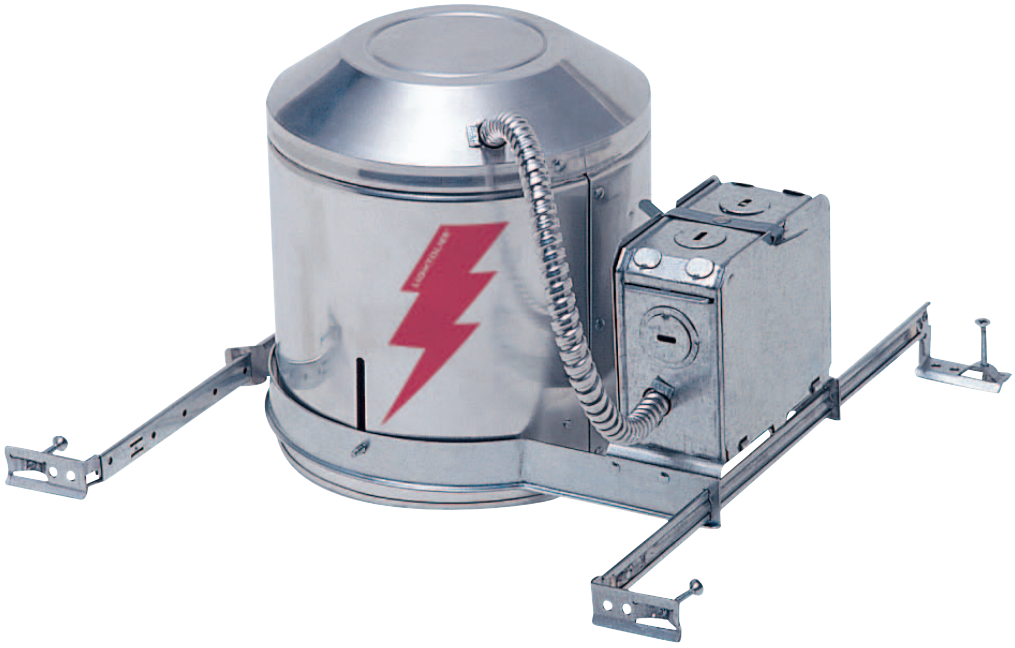
1104ICNQ
Preset nails / quick connects

1004ICQ
Quick connects

1004ICN
Preset nails

1004ICNQ
Preset nails / quick connects

	1004IC	1104IC
Cut out (A)	5 3/8"	7"
Width (W)	5 3/4"	7 5/16"
Length (L)	9"	10 3/4"
Depth* (D)	7 1/2"	7 1/2"



Integral screws or nails in brackets for quick easy installation. Swing up configuration.

Screw-in

Quick-connect

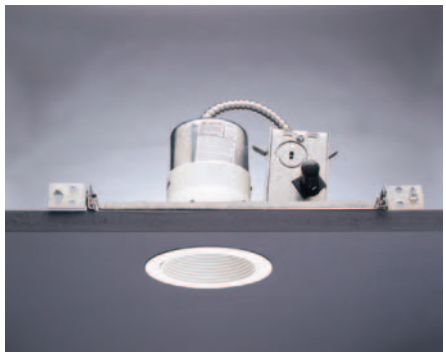
Swing-up

Flexible UL Listing:

Unique UL listing called "convertible" allows a product listing to change in the field from IC to non-IC.

Use the convertible feature if you don't have insulation and you need to use a higher wattage lamp.

Lytecaster basic incandescent trims - line voltage

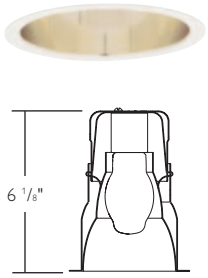


3¾" Reflector trims

These miniature 3¾" downlights are an ideal solution for tight spaces and hard-to-light areas such as low ceilings, niches, bedrooms, corridors and similar environments. Use A or R lamps for soft-edged "fill" lighting and PAR lamps for focal downlighting or wall grazing.

- **Aperture cones** produce excellent light output and come in a variety of finishes.
- Durable **Step baffle** provides good light output with increased glare control.
- **Pinhole** offers maximum glare control and an inconspicuous look.

3¾" Deep anodized

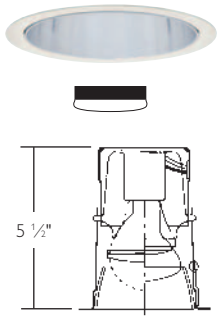


BT15

60W BT15 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	7	9'
10'	4	13'
12'	2	16'
Multiple units /S.R.=1.1		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	19	16
6'	9	7
8'	5	4

Reflector		Frame-in		Lamping
		kit	Ceiling	BT15
2045	Specular gold	2002P1	Non-IC	60W
2046	Specular clear	2003R	Non-IC Existing	60W
2046CD	Clear diffuse			

3¾" Aperture cone



R20

50W R20 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	44	3'
10'	18	5'
12'	10	7'
Multiple units /S.R.=0.8		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	28	24
6'	12	11
8'	7	6

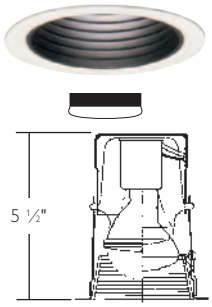
PAR20

50W PAR20 NFL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	48	3'
10'	26	5'
12'	16	6'
Multiple units /S.R.=0.6		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	42	37
6'	19	17
8'	11	9

Reflector			
2008	Brushed gold	2008NM	Brushed gold, natural metal flange
2010	Brushed clear	2010NM	Brushed clear, natural metal flange
2012	Specular gold	2012NM	Specular gold, natural metal flange
2013	Specular clear	2013NM	Specular clear, natural metal flange
2013BK	Specular black	2013BKNM	Specular black, natural metal flange
2013CD	Clear diffuse	2013CDNM	Clear diffuse, natural metal flange
2013WH	Matte white		

Frame-in		Lamping			
kit	Ceiling	A19	R20	PAR16	PAR20
2002P1	Non-IC	40W	75W	75W	50W
2003R	Non-IC existing	60W	75W	75W	50W
2000IC	IC	—	50W	45W	50W
2000AIC	AirSeal IC	—	50W	45W	50W

3¾" Step baffle



R20

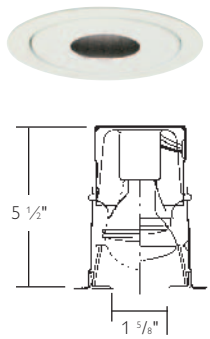
50W R20 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
6'	37	3'
8'	15	4'
10'	8	6'
Multiple units /S.R.=1.1		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	18	15
6'	8	7
8'	4	4

PAR20

50W PAR20 NFL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	41	4'
10'	22	5'
12'	14	6'
Multiple units /S.R.=0.6		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	35	31
6'	16	14
8'	9	8

Reflector		Frame-in		Lamping			
		kit	Ceiling	A19	R20	PAR16	PAR20
2005	Matte black	2002P1	Non-IC	40W	75W	75W	50W
2005NM	Matte black, natural metal flange	2003R	Non-IC Existing	60W	75W	75W	50W
2005WH	Matte white	2000IC	IC	—	50W	45W	50W
2005BNM	Natural metal baffle, natural metal flange	2000AIC	AirSeal IC	—	50W	45W	50W

3¾" Pinhole



PAR16

55W PAR16 NFL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	52	2'
10'	29	3'
12'	17	4'
Multiple units /S.R.=0.4		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	25	23
6'	11	10
8'	6	6

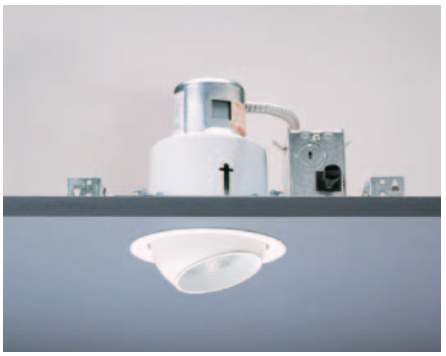
PAR20

50W PAR20 NFL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	27	3'
10'	15	4'
12'	9	5'
Multiple units /S.R.=0.6		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	21	18
6'	9	8
8'	5	5

Reflector	
2011	Matte white faceplate

Frame-in		Lamping			
kit	Ceiling	A19	R20	PAR16	PAR20
2002P1	Non-IC	40W	50W	45W	50W
2003R	Non-IC exist.	40W	50W	60W	50W

Accepts Lytegems, see page 1.333.



Lytecaster line voltage

3 ¾" Accent lighting & wet location

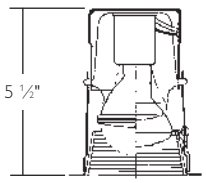
Performance PAR Recessed Accent
Deeply recessed lamps and an inner cut-off shield ensure minimum aperture brightness and conforms with the other downlights in the space.

Open wet location
This unique design creates a fully UL listed wet location without a lens.

Lensed wet location
This elegant fixture provides high quality ambient lighting and is suitable for showers, spas, Jacuzzis and other wet locations.

Eyeball
Since they are not completely recessed, Eyeballs feature a greater degree of adjustment than fully recessed accent lights – up to 45° vertically.

3 ¾" Basic baffle

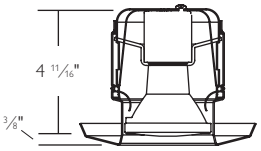


Frame-in		Lamping			
kit	Ceiling	A19	R20	PAR16	PAR20
2002P1	Non-IC	40W	75W	75W	50W
2003R	Standard	60W	75W	75W	50W
2000IC	IC	—	50W	45W	50W
2000AIC	AirSeal IC	—	50W	45W	50W

Reflector

2076	Black
2076WH	Gloss white

3 ¾" Open wet location



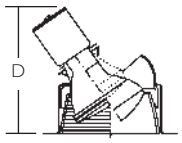
Frame-in		Lamping
kit	Ceiling	PAR20
2000IC	IC	50W
2000AIC	IC	50W
2002P1	Non-IC	50W
2003R	Non-IC	50W

Sylvania outdoor rated lamps only.

Reflector

2084WH	Gloss white
2084CD	Clear diffuse

3 ¾" Performance PAR recessed adjustable



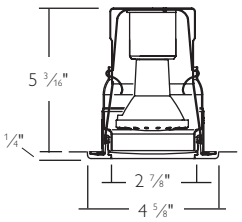
Vertical tilt: 35°

Frame-in		Lamping		
kit	Ceiling	R20	PAR16	PAR 20
2000P1	Non-IC	75W	75W	50W
2000IC	IC	—	45W	50W
2000AIC	AirSeal IC	—	45W	50W

Reflector

2027	Matte black Baffle	**2027NM**	Matte black, natural metal flange
2027WH	Matte white Baffle	**2027BNM**	Natural metal baffle, Natural Metal Flange
2029CL	Specular clear	**2029CLNM**	Specular clear, natural metal flange
2029GD	Specular gold	**2029GDNM**	Specular gold, natural metal flange
2029BK	Specular black	**2029BKNM**	Specular black, natural metal flange
2029CD	Clear diffuse	**2029CDNM**	Clear diffuse, natural metal flange
2029WH	Matte white		

3 ¾" Lensed wet location

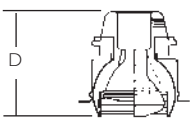


Frame-in		Lamping
kit	Ceiling	PAR20
2000P1	Non-IC	50W
2002P1	Non-IC	50W
2003R	Non-IC	50W
2000IC	IC	50W
2000AIC	IC	50W

Reflector

2090	Etch white

3 ¾" Step baffle eyeball



Vertical tilt: 35°

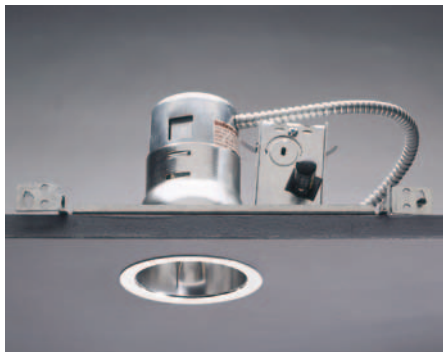
Frame-in		Lamping		
kit	Ceiling	PAR16	PAR20	R20
2000P1	Non-IC	75W	50W	75W
2000IC	IC	45W	50W	50W
2000AIC	AirSeal IC	45W	50W	50W

Reflector

2022	Matte white Eyeball w/Black baffle
2022WH	Matte white Eyeball w/White baffle

Lytecaster line voltage

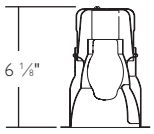
3¾" Open wall washers



Open wall washer

Designed to match deep Anodized downlights, these open wall wash downlights provide a smooth uniform wash of wall lighting in addition to some room side downlight. They are an excellent way to make a small room appear more spacious. These fixtures are also good for lighting shelving or displays.

3¾" Open downlight wall washer



60W BT15	Footcandles on wall					
	18"			2'		
Distance from ceiling 1'	9	7	9	8	4	8
2'	20	20	20	15	15	15
3'	16	16	16	12	12	12
4'	11	11	11	9	9	9
5'	8	8	8	6	6	6
6'	5	5	5	4	4	4
7'	4	4	4	3	3	3
8'	3	3	3	2	2	2
9'	2	2	2	2	22	

Note: Data based on a minimum of 5 units

Reflector	
2095	Specular gold
2096	Specular clear
2096CD	Clear diffuse

Frame-in		Lamping
kit	Ceiling	BT15
2002P1	Non-IC	60W
2003R	Non-IC existing	60W

Lytecaster line voltage

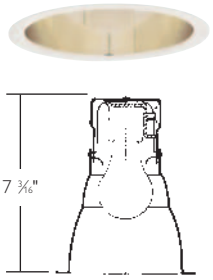
5" Reflector trims

Open

Perfectly scaled for residential ceiling heights up to nine feet, these downlights are available in a choice of finishes to match virtually any interior design. A selection of general lighting performance options is available to meet a variety of needs and budgets.

- **Deep anodized** reflector provides the highest light output with extremely low glare and is ideally suited for inexpensive A-lamps.
- **Aperture cones** provide more light than black baffle downlights yet feature very low brightness.
- Die-cast aluminum **Step baffle** offers excellent glare control.

5" Deep anodized



A19

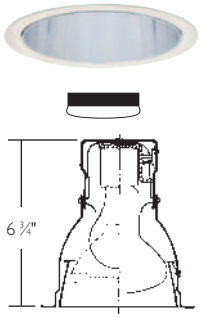
100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	14	10'
10'	8	14'
12'	5	17'
Multiple units /S.R.=1.5		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	67	49
6'	30	22
8'	17	12

Frame-in kit	Ceiling	Lamping A19
1000P1	Non-IC	100W
1002P1	Non-IC	100W
1003R	Non-IC Exist.	100W
1004ICX**	AirSeal IC	60W
1004IC**	IC/Non-IC	40W/60W
1004ICR	IC/Non-IC Exist.	40W/60W
1000IC	IC	60W
1000AICM	AirSeal IC	60W

Reflector

1045	Specular gold
1046	Specular clear
1046CD	Clear diffuse

5" Aperture cone



A19

75W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	7	13'
10'	4	18'
12'	2	23'
Multiple units /S.R.=1.8		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	46	37
6'	21	17
8'	12	9

PAR30

75W PAR30 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	56	5'
10'	30	6'
12'	19	8'
Multiple units /S.R.=0.8		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	74	65
6'	33	28
8'	19	16

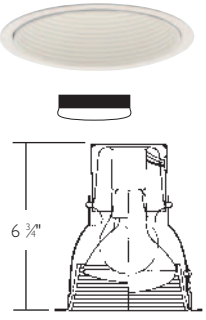
Reflector

1008	Brushed gold	1008NM	Brushed gold, natural metal flange
1010	Brushed clear	1010NM	Brushed clear, natural metal flange
1012	Specular gold	1012NM	Specular gold, natural metal flange
1013	Specular clear	1013NM	Specular clear, natural metal flange
1013BK	Specular black	1013BKNM	Specular black, natural metal flange
1013CD	Clear diffuse	1013CDNM	Clear diffuse, natural metal flange
1013WH	Matte white		

( ) = Lamping for 1013BK/1013BKNM

Frame-in kit	Ceiling	Lamping A19	BR30	PAR30
1000P1	Non-IC	75W	75W	75W
1002P1	Non-IC	75W	75W	75W Long neck
1003R	Non-IC exist.	75W	85W	75W Long neck
1004ICX**	AirSeal IC	60W	85W (75W)	75W
1004IC**	IC/Non-IC	40W/60W	65W/85W	50W/75W
1004ICR	IC/Non-IC Exist.	40W/60W	65W/85W	50W/75W
1004SIC*	Shallow IC/Non-IC	—	65W/85W	50W/75W
1004SICR	Shallow IC/Non-IC Exist.	—	65W/85W	50W/75W
1000IC	IC	40W	65W	75W
1000AICM	AirSeal IC	40W	65W	75W

5" Step baffle



A19

75W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	5	14'
10'	3	20'
12'	2	25'
Multiple units /S.R.=1.6		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	25	19
6'	11	8
8'	6	5

PAR30

75W PAR30 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	65	4'
10'	35	6'
12'	22	7'
Multiple units /S.R.=0.7		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	71	62
6'	31	28
8'	18	16

Reflector

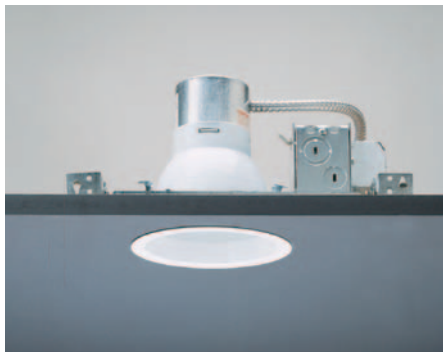
1005	Matte black
1005WH	Matte white
1005NM	Matte black, natural metal flange
1005BNM	Natural metal baffle, natural metal flange

Frame-in kit	Ceiling	Lamping A19	BR30	PAR30
1000P1	Non-IC	75W	75W	75W Long neck
1002P1	Non-IC	75W	75W	75W Long neck
1003R	Non-IC Exist.	75W	85W	75W Long neck
1004ICX**	AirSeal IC	40W	65W	75W
1004IC**	IC/Non-IC	— /40W	60W/75W	50W/75W Long neck
1004ICR	IC/Non-IC exist.	— /40W	60W/75W	50W/75W Long neck
1004SIC*	Shallow IC/Non-IC	—	60W/75W	50W/75W Long neck
1004SICR	Shallow IC/Non-IC exist.	—	60W/75W	50W/75W Long neck
1000IC	IC	40W	65W	75W
1000AICM	AirSeal IC	40W	65W	75W

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

Accepts Lytegems, see page 1.333.

Lytecaster line voltage



5" Reflector trims

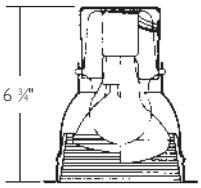
Basic & spun baffle

- Basic baffle provides effective yet economic glare control.
- One-piece Spun Baffle accommodates higher wattage BR30 lamping in both standard and shallow Lytening.

Basic white reflector & pinhole

- Basic white reflector provides good light output for tight budgets.
- Pinhole provides maximum shielding of the light source with localized light output. An excellent choice for discreet task lighting.

5" Basic baffle



A19

60W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	3	14'
10'	2	20'
12'	1	25'
Multiple units /S.R.=1.6		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	18	14
6'	8	6
8'	4	3

BR30

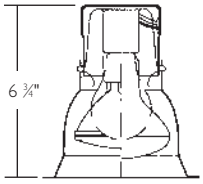
85W BR30 FL Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	15	7'
10'	8	10'
12'	5	12'
Multiple units /S.R.=0.9		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	37	29
6'	16	13
8'	9	7

Reflector

1076	Black
1076WH	Gloss white

Frame-in kit	Ceiling	Lamping A19	BR30	PAR30
1000P1	Non-IC	60W	75W	75W Long neck
1002P1	Non-IC	60W	75W	75W Long neck
1003R	Non-IC exist.	60W	85W	75W Long neck
1004ICX**	AirSeal IC	40W	65W	75W Long neck
1004IC**	IC/Non-IC	—/40W	60W/75W	50W
1004ICR	IC/Non-IC	—/40W	60W/75W	50W
1004SIC*	Shallow IC/ Non-IC	—	60W/65W	50W/75W
1004SICR	Shallow IC/ Non-IC	—	60W/65W	50W/75W
1000IC	IC	40W	65W	75W
1000AICM	AirSeal IC	40W	65W	75W

5" Basic white reflector



A19

75W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	7	12'
10'	4	16'
12'	3	21'
Multiple units /S.R.=1.4		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	32	24
6'	14	11
8'	8	6

BR30

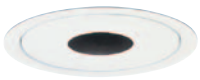
75W BR30 FL Single		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	15	8'
10'	8	11'
12'	5	13'
Multiple units /S.R.=0.9		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	42	33
6'	19	15
8'	11	8

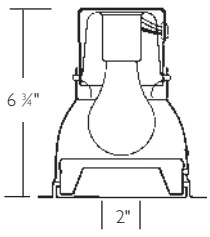
Reflector

1071	Gloss white

Frame-in kit	Ceiling	Lamping A19	BR30	PAR30
1000P1	Non-IC	75W	100W	75W
1002P1	Non-IC	75W	65W	75W Long neck
1003R	Non-IC exist.	75W	85W	75W Long neck
1004ICX**	AirSeal IC	52W	65W	75W
1004IC**	IC/Non-IC	— /52W	65W/85W	50W/75W
1004ICR	IC/Non-IC exist.	— /52W	65W/85W	50W/75W
1000IC	IC	40W	65W	75W
1000AICM	AirSeal IC	40W	65W	75W
1004SIC*	Shallow IC/Non-IC	—	65W/85W	50W/75W
1004SICR	Shallow IC/ Non-IC exist.	—	65W/85W	50W/75W

5" Pinhole





A19

60W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	2	13'
10'	1	18'
12'	1	23'
Multiple units /S.R.=0.8		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	8	6
6'	4	3
8'	7	2

PAR30

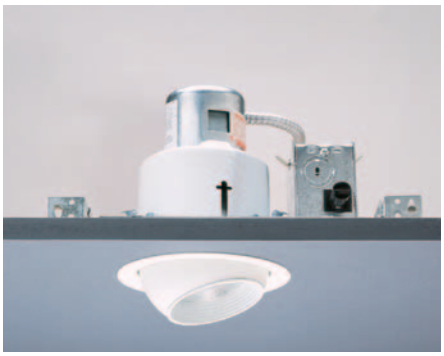
50W PAR30 NFL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	29	3'
10'	15	4'
12'	9	5'
Multiple units /S.R.=0.6		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	19	19
6'	8	8
8'	5	4

Reflector

1011	Matte white Faceplate

Frame-in kit	Ceiling	Lamping A19	R20	PAR30
1002P1	Non-IC	60W	50W	50W Long neck
1003R	Non-IC exist.	60W	50W	50W Long neck
1000P1	Non-IC exist.	75W	—	50W Long neck

*For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.



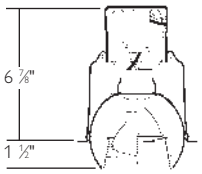
Lytecaster line voltage

5" Accent lighting

This series of versatile line voltage Eyeball units blends easily into the ceiling and provides highly adjustable accent lighting. Since they are not recessed, Eyeballs feature a greater degree of adjustment than recessed accent lights — up to 45° vertically.

- Step Baffle Eyeball is designed to provide effective low brightness accent lighting.
- Regressed Eyeball provides versatility by providing accent lighting while maintaining a cleaner, recessed look.
- Basic Eyeball provides economical accent lighting for horizontal surfaces.

5" Step baffle eyeball

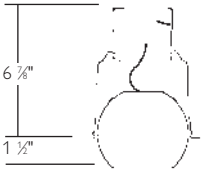


Vertical tilt: 30°

Reflector	
1022	Matte white Eyeball w/Matte black baffle
1022WH	Matte white Eyeball w/Matte white baffle

Frame-in kit	Ceiling	Lamping PAR20	R20
1002P1	Non-IC	50W	75W
1003R	Non-IC exist	50W	75W
1004ICX**	AirSeal IC	50W	75W
1004IC**	IC/Non-IC	50W/50W	75W/75W
1004ICR	IC/Non-IC exist	50W/50W	75W/75W
1000IC	IC	50W	75W
1000AICM	AirSeal IC	50W	75W

5" Basic eyeball

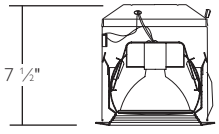


Vertical tilt: 45°

Reflector	
1082	Gloss white Eyeball

Frame-in kit	Ceiling	Lamping PAR20	R20
1002P1	Non-IC	50W	—
1003R	Non-IC exist	50W	—
1004ICX**	AirSeal IC	50W	75W
1004IC**	IC/Non-IC	50W/50W	75W/75W
1004ICR	IC/Non-IC exist	50W/50W	75W/75W
1000IC	IC	50W	75W
1000AICM	AirSeal IC	50W	75W

5" Regressed eyeball



Vertical tilt: 30°

Reflector	
1088	Black baffle w/matte white flange
1088WH	Matte white baffle w/flange
1088GW	Gloss white baffle w/flange

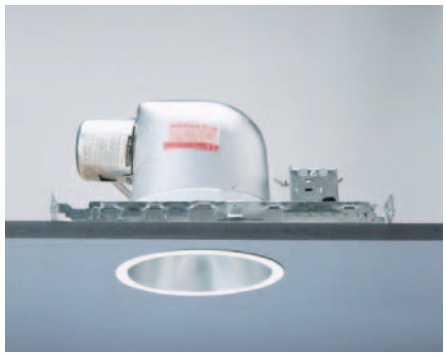
Frame-in kit	Ceiling	Lamping PAR30
1004IC**	IC/Non-IC	50W/75W
1004ICR	IC/Non-IC	50W/75W

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

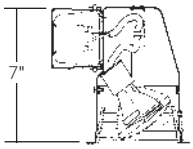
Lytecaster line voltage

5" Accent lighting & wet location trims

More economical Recessed Adjustables offer inconspicuous accent lighting for horizontal and vertical surfaces and can be easily coordinated with Step Baffle and Aperture Cone downlights.



5" Recessed adjustable



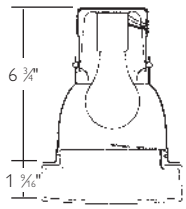
Vertical tilt: 35°
(30° w/PAR30)

Frame-in kit	Ceiling	Lamping PAR16	PAR20	PAR 30
1002P1	Non-IC	75W	50W	75W
1003R	Non-IC exist	75W	50W	75W
1004ICX**	AirSeal IC	75W	50W	75W
1000IC	IC	75W	50W	75W
1000AICM	AirSeal IC	75W	50W	75W

Reflector

1027	Matte black baffle	**1027NM**	Matte black baffle, natural metal flange
1027BK	Specular black	**1027BNM**	Natural metal baffle, natural metal flange
1038	Specular gold	**1027BKNM**	Specular black, natural metal flange
1027CD	Clear diffuse	**1038NM**	Specular gold, natural metal flange
1048	Specular clear	**1027CDNM**	Clear diffuse, natural metal flange
1027WH	Matte white baffle	**1048NM**	Specular clear, natural metal flange

5" Opal disk



Reflector

1021	Opal glass

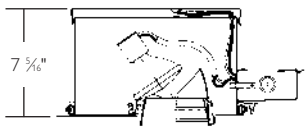
A19

75W A19 Single Unit Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	3	24'
10'	2	32'
12'	1	41'

Multiple units /S.R. =1.3 Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	21	14
6'	9	6
8'	5	4

Frame-in kit	Ceiling	Lamping A19
1002P1	Non-IC	75W
1000P1	Non-IC	75W
1003R	Non-IC exist.	75W
1004ICX**	AirSeal IC	40W
1004IC**	Non-IC	40W
1004ICR	Non-IC exist.	40W
1000IC	IC	40W
1000AICM	AirSeal IC	40W

5" Performance PAR Recessed Adjustable



60W A19 Single Unit Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	5	17'
10'	2	27'
12'	1	36'

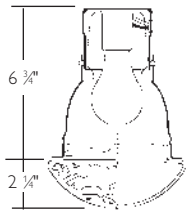
Multiple units /S.R. =1.3 Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	13	9
6'	6	4
8'	3	2

Frame-in kit	Ceiling	Lamping PAR 16	PAR 20	PAR 30
1000P1	Non-IC	75W	50W	75W
1000IC	IC	75W	50W	50W
1000AICM	AirSeal IC	75W	50W	50W

Reflector

1029	Matte black baffle	**1029NM**	Black baffle, natural metal flange
1029BK	Specular black	**1029BNM**	Natural metal baffle, natural metal flange
1029CD	Clear diffuse	**1029BKNM**	Specular black, natural metal flange
1029CL	Specular clear	**1029CDNM**	Clear diffuse, natural metal flange
1029GD	Specular gold	**1029CLNM**	Specular clear, natural metal flange
1029WH	Matte white baffle	**1029GDNM**	Specular gold, natural metal flange

5" Cratere Dome



Reflector

1024	Cratere Glass

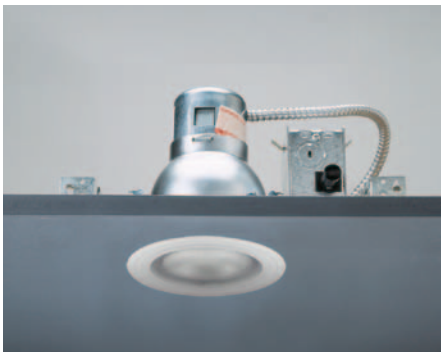
A19

75W A19 Single Unit Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	5	18'
10'	3	24'
12'	2	30'

Multiple units /S.R. =1.3 Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	26	18
6'	12	8
8'	6	4

Frame-in kit	Ceiling	Lamping A19
1002P1	Non-IC	75W
1000P1	Non-IC	75W
1003R	Non-IC exist.	75W
1004ICX**	AirSeal IC	40W
1004IC**	Non-IC	40W
1004ICR	Non-IC exist.	40W
1004SIC*	Non-IC	40W
1004SICR	Non-IC exist.	40W
1000IC	IC	40W
1000AICM	AirSeal IC	40W

* For nail version add "N" suffix.
** For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.



Lytecaster line voltage

5" Enclosed & wet location trims

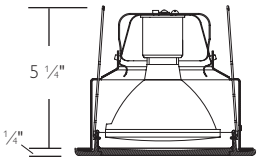
Lensed wet location

This elegant fixture provides high quality ambient lighting and is suitable for showers, spas, Jacuzzis and other wet locations.

Open wet location

Unique design creates a fully UL listed wet location without a lens. Outdoor rated PAR lamps act as the lens providing up to 75 watts of light in a 5" aperture.

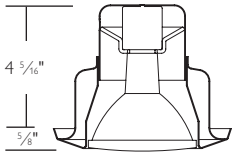
5" Lensed wet location



Reflector	
1090	Etch white

Frame-in kit	Ceiling	Lamping
1002P1	Non-IC	75W PAR 30L
1003R	Non-IC exist.	75W PAR 30L
1000IC	IC	50W PAR 30S
1000AICM	AirSeal IC	50W PAR 30S
1004ICX**	AirSeal IC	50W PAR 30S
1004IC**	Non-IC	75W PAR 30S
1004ICR	Non-IC exist.	75W PAR 30S

5" Open wet location

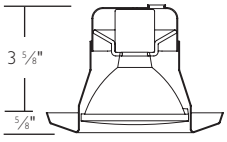


Reflector	
1084WH	Gloss white
1084CD	Clear diffuse

Frame-in kit	IC Lamping PAR30	Non-IC Lamping PAR30
1002P1	—	75W Long neck
1003R	—	75W Long neck
1004ICX**	60W	—
1000IC	60W	—
1000AICM	60W	—

Sylvania outdoor rated lamps only

5" Open wet location



Reflector	
1081WH	Gloss white
1081CD	Clear diffuse

Frame-in kit	Lamping IC PAR30	Lamping Non-IC PAR30
1004IC**	75W	75W
1004ICR	75W	75W

Sylvania outdoor rated lamps only

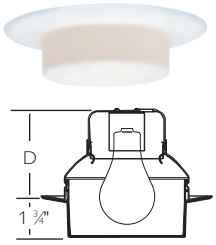
* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

Lytecaster line voltage

5" & 6¾" Enclosed wet location trims

Basic Dropped and Basic Flush are affordable solutions for effective lighting in locations where there may be direct contact with water.

5", 6¾" Basic dropped



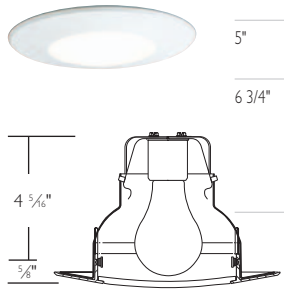
40W A19 Single Unit		
Ht. to Floor	F.C. at 30° above floor	Beam Dia.
6'	4	23'
8'	2	36'
10'	1	49'

Multiple units /S.R. =1.4		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	10	7
6'	4	3
8'	2	2

Reflector	
1178LX	Lexan

Frame-in kit	Ceiling	Lamping A19
5"		
1004IC**	IC/Non-IC	40W/40W
1004ICR	IC/Non-IC exist.	40W/40W
6 3/4"		
1104IC**	IC/Non-IC	40W/52W
1104ICR	IC/Non-IC exist.	40W/52W
1104SIC*	Shallow IC/Non-IC	40W/52W
1104SICR	Shallow IC/Non-IC exist.	40W/52W

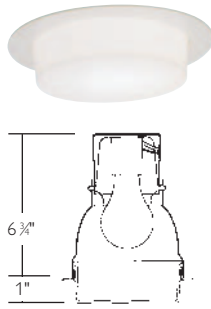
5", 6¾" Basic flush



	Frame-in kit	Ceiling	Lamping A19
5"	**1004IC****	IC/Non-IC	40W/60W
	1004ICR	IC/Non-IC exist.	40W/60W
6 3/4"	**1104IC****	IC/Non-IC	40W/75W
	1104ICR	IC/Non-IC exist.	40W/75W
	1104SIC*	Shallow	40W/75W
	1104SICR	Shallow IC/Non-IC exist.	40W/75W

Reflector	
1177LX	Glass

5" Opalex dropped wet location



Frame-in kit	Ceiling	Lamping A19
1000P1	Non-IC	60W A19
1002P1	Non-IC	60W A19
1003R	Non-IC remodeler	60W A19
1000IC	IC	40W A19
1000AICM	AirSeal IC	40W A19

Reflector	
1078	Lexan

* For nail version add "N" suffix.
** For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

Lytecaster line voltage

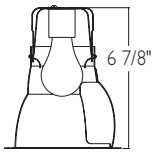
5" Wall washing

These reflectors provide high quality wall washing for residential and light commercial environments. Designed to emphasize the vertical plane, they are an excellent way to make small rooms appear more spacious.

Wall washing

- Step baffle wall washer provides a high intensity, smooth wash of light up to the ceiling line. Dual reflector optics ensure effective output with economical light sources while the aluminum step baffle reduces glare.
- Basic Eyelid wall washer features a Perma White reflector with an "eyelid" aperture that gives an even wash of light up to the ceiling line. Available in a white finish or with black or white phenolic baffles.

5" Open downlight wall washer



75W A19	Footcandles on wall					
	2'			3'		
1'	17	17	17	13	9	13
2'	23	22	23	17	14	17
3'	21	21	21	15	14	15
4'	17	16	17	11	11	11
5'	12	12	12	8	8	8
6'	9	9	9	7	7	7
7'	7	7	7	5	5	5
8'	5	5	5	4	4	4
9'	4	5	4	3	3	3

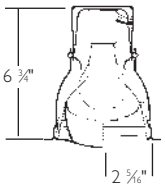
Distance from ceiling

Note: Data based on a minimum of 5 units

Reflector	
1095	Specular gold
1096	Specular clear
1096CD	Clear diffuse

Frame-in kit	Ceiling	Lamping A19
1002P1	Non-IC	75W
1004ICX**	AirSeal IC	60W
1000IC	IC	60W

5" Eyelid step baffle wall washer



60W A19	Footcandles on wall					
	2'			3'		
1'	17	16	17	12	9	12
2'	18	18	18	13	11	13
3'	13	13	13	9	8	9
4'	9	9	9	6	6	6
5'	6	6	6	4	4	4
6'	4	4	4	3	3	3
7'	3	3	3	2	2	2
8'	2	2	2	1	1	1
9'	2	2	2	1	1	1

Distance from ceiling

Note: Data based on a minimum of 5 units

BR30

85W BR30FL	Footcandles on wall					
	2'			3'		
1'	29	28	29	19	19	19
2'	24	24	24	19	14	19
3'	22	20	22	14	14	14
4'	16	16	16	11	11	11
5'	11	11	11	8	7	8
6'	8	8	8	6	6	6
7'	6	6	6	5	5	5
8'	5	5	5	4	4	4
9'	4	4	4	4	4	4

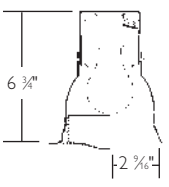
Distance from ceiling

Note: Data based on a minimum of 5 units

Reflector	
1035	Matte black step baffle
1035WH	Matte white step baffle

Frame-in kit	Ceiling	Lamping A19	BR30
1000P1	Non-IC	60W	75W
1002P1	Non-IC	60W	75W
1003R	Non-IC exist	60W	85W
1000IC	IC	40W	—
1000AICM	AirSeal IC	40W	—
1004ICX**	AirSeal IC	40W	—

5" Basic eyelid wall washer



A19

60W A19	Footcandles on wall					
	2'			3'		
1'	9	8	9	6	5	6
2'	11	11	11	8	7	8
3'	10	10	10	7	7	7
4'	8	8	8	6	6	6
5'	6	5	6	4	4	4
6'	4	4	4	3	3	3
7'	3	3	3	2	2	2
8'	2	2	2	2	2	2
9'	2	1	2	1	1	1

Distance from ceiling

Note: Data based on a minimum of 5 units

Reflector	
1085	Gloss white

Frame-in kit	Ceiling	Lamping A19
1000P1	Non-IC	60W
1002P1	Non-IC	60W
1003R	Non-IC exist	60W
1000IC	IC	40W
1000AICM	AirSeal IC	40W
1004ICX**	AirSeal IC	40W
1004IC**	Non-IC	40W
1004ICR	Non-IC exist	40W
1004SIC*	Shallow Non-IC	40W
1004SICR	Shallow Non-IC existing	40W

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

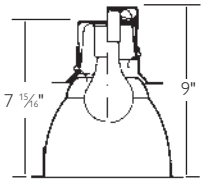
Lytecaster line voltage

6 ¾" Reflector trims

This selection of 6 ¾" open downlights provides superior performance for general lighting applications requiring greater lumen output.

- Created of the highest quality aluminum, deep anodized reflectors feature a specular, mirror-like finish that provides 40% more light than black baffle downlights, superior cut-off, and the best glare control.

6 ¾" Deep anodized



A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	32	8'
10'	17	11'
12'	11	14'
Multiple units /S.R.=1.1		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	75	61
6'	33	27
8'	19	16

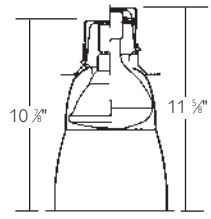
A21

150W A21 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	54	8'
10'	29	11'
12'	18	14'
Multiple units /S.R.=1.1		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	125	102
6'	55	45
8'	31	26

Reflector	
1145	Specular gold
1146	Specular clear
1146CD	Clear diffuse

Frame-in kit	Ceiling	Lamping A19	A21	BR30	PAR38
1102P1	Non-IC	100W	150W	85W	—
1103R	Non-IC exist.	100W	150W	85W	—
1100DAICM	Deep AirSeal IC	100W	—	85W	100W
1100DICM	Deep IC	100W	—	85W	100W

6 ¾" Deep anodized



BR40

150W BR40 FL Single		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	68	4'
10'	37	6'
12'	23	7'
Multiple units /S.R.=0.7		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	89	75
6'	40	33
8'	22	19

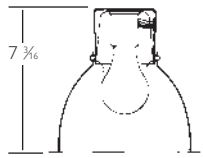
PAR38

250W PAR38 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
10'	164	4'
12'	103	5'
14'	70	6'
Multiple units /S.R.=0.5		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	217	195
5'	139	124
6'	96	87

Reflector	
1149	Specular black
1150	Specular gold
1151	Specular clear
1151CD	Clear diffuse

Frame-in kit	Ceiling	Lamping PAR38	PAR38 Cool Beam	BR40
1102P1	Non-IC	250W	150W	150W
1103R	Non-IC exist.	250W	150W	150W

6 ¾" Shallow anodized



A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	28	9'
10'	15	13'
12'	10	16'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	82	67
6'	36	30
8'	20	17

PAR30

75W PAR30 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	75	4'
10'	40	5'
12'	25	7'
Multiple units /S.R.=0.7		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	80	69
6'	36	31
8'	20	17

Reflector	
1143	Specular gold
1144	Specular clear
1144CD	Clear diffuse

Frame-in kit	Ceiling	Lamping A19	BR30	PAR30	BR40
1102P1	Non-IC	100W	—	—	—
1103R	Non-IC exist.	100W	—	—	—
1104ICX**	AirSeal IC	100W	—	—	—
1100DAICM	Deep AirSeal IC	100W	—	—	—
1100DICM	Deep IC	100W	—	—	—
1104IC**	IC/Non-IC	75/W/ 100W	85W/ 85W	75W/ 75W	—
1104ICR	IC/Non-IC exist.	75/W/ 100W	85W/ 85W	75W/ 75W	—
1100IC	IC	100W	—	—	—
1100AICM	AirSeal IC	100W	—	—	—

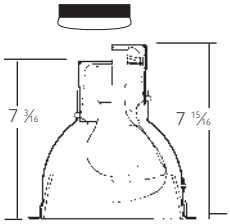
* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

Lytecaster line voltage

6¾" Reflector trims

- Aperture cone downlights utilize an Anobrite® aluminum upper reflector for excellent performance. These versatile downlights are 25% more efficient than basic black baffles, offer better glare control, and are available in a wide choice of finishes.
- Cross blade features an aluminum louver that shields the light source and provides a soft, scallop-free beam. Excellent for corridors or lighting kitchen cabinets.
- Die cast step baffle offers excellent glare control and quality in a classic baffled design.

6¾" Aperture cone



A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	14	14'
10'	8	19'
12'	5	23'
Multiple units /S.R. =1.6		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	74	59
6'	33	26
8'	19	15

PAR38

120W PAR38 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	119	4'
10'	64	5'
12'	40	7'
Multiple units /S.R. =0.7		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	125	108
6'	55	48
8'	31	27

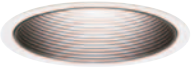
Reflector

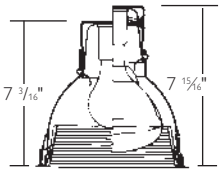
1108	Brushed gold	1108NM	Brushed gold, natural metal flange
1110	Brushed clear	1110NM	Brushed clear, natural metal flange
1112	Specular gold	1112NM	Specular gold, natural metal flange
1113	Specular clear	1113NM	Specular clear, natural metal flange
1113BK	Specular black	1113BKNM	Specular black, natural metal flange
1113CD	Clear diffuse	1113CDNM	Clear diffuse, natural metal flange
1113WH	Matte white		

( ) = Wattage for 1113BK & 1113BKNM

Frame-in		Lamping			
kit	Ceiling	A19	A21	BR40	PAR38
1102P1	Non-IC	100W	150W	150W	150W
1103R	Non-IC exist.	100W	150W	150W	150W
1104ICX**	AirSeal IC	60W	—	120W (100W)	100W (90W)
1100DAICM	Deep AirSeal IC	75W	—	100W	90W
1100DICM	Deep IC	75W	—	100W	90W
1104IC**	IC/Non-IC	60W/100W	—	65W/150W	75W/100W
1104ICR	IC/Non-IC exist.	60W/100W	—	65W/150W	75W/100W
1100IC	IC	75W		100W	90W
1100AICM	AirSeal IC	75W		100W	90W

6¾" Step baffle





A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	11	10'
10'	6	13'
12'	4	17'
Multiple units /S.R. =1.3		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	37	31
6'	16	14
8'	9	8

PAR38

120W PAR38 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	191	2'
10'	103	3'
12'	64	4'
Multiple units /S.R. =0.4		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	109	96
6'	49	43
8'	–	–

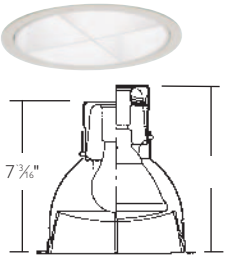
Reflector

1105	Matte black
1105NM	Matte black, natural metal flange
1105BNM	Natural metal baffle, natural metal flange
1105WH	Matte white

Frame-in		Lamping				
kit	Ceiling	A19	A21	BR30	BR40	PAR38
1102P1	Non-IC	100W	150W	—	150W	150W
1103R	Non-IC exist.	100W	150W	—	150W	150W
1104ICX**	AirSeal IC	60W	—	—	100W	90W
1100DAICM	Deep AirSeal IC	60W	—	—	100W	100W
1100DICM	Deep IC	60W	—	—	100W	100W
1104IC**	IC/Non-IC	40W/ 75W	—	75W/ 85W	65W/ 120W	75W/ 90W
1104ICR	IC/Non-IC exist.	40W/ 75W	—	75W/ 85W	65W/ 120W	75W/ 90W
1100IC	IC	60W	—	—	100W	100W
1100AICM	AirSeal IC	60W	—	—	100W	100W

Accepts Lytegems, see page 1.333.

6¾" Cross blade



A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	8	14'
10'	4	20'
12'	3	25'
Multiple units /S.R. =1.8		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	57	43
6'	25	19
8'	14	11

PAR38

150W PAR38 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	153	2'
10'	82	3'
12'	51	4'
Multiple units /S.R. =0.4		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	100	87
6'	45	39
8'	–	–

Reflector

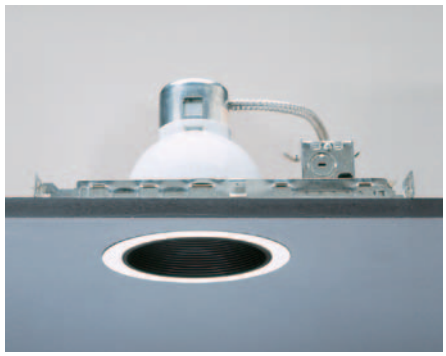
1132	White

Frame-in		Lamping		
kit	Ceiling	A19	PAR30	PAR38
1102P1	Non-IC	100W	—	150W
1103R	Non-IC exist.	100W	—	150W
1104ICX**	AirSeal IC	52W	75W	—
1100DAICM	Deep AirSeal IC	60W	—	90W
1100DICM	Deep IC	60W	—	90W
1104IC**	IC/Non-IC	40W/60W	50W/75W	—
1104ICR	IC/Non-IC exist.	40W/60W	50W/75W	—
1100IC	IC	60W	75W	—
1100AICM	AirSeal IC	60W	75W	—

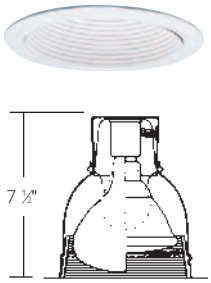
Lytecaster line voltage

6 ¾" Reflector trims

- Basic baffle features a Perma White upper reflector and a phenolic baffle to reduce glare.
- Shallow plenum baffle is compatible with 6 ¾" Shallow Lytening, which fits into 2" x 6" construction.



6 ¾" Basic baffle



A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	11	8'
10'	6	11'
12'	4	14'
Multiple units /S.R. =1.1		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	34	27
6'	15	12
8'	8	7

BR40

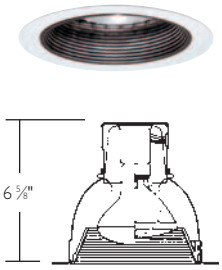
150W BR40 FL Single		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	39	6'
10'	21	9'
12'	13	11'
Multiple units /S.R. =0.9		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	84	68
6'	37	30
8'	21	17

Reflector

1176	Black
1176WH	Gloss white

Frame-in kit	Ceiling	Lamping A19	BR30	BR40	PAR38
1102P1	Non-IC	100W	—	150W	150W
1103R	Non-IC exist.	100W	—	150W	150W
1104ICX**	AirSeal® IC	52W	—	90W	90W
1100DAICM	Deep AirSeal® IC	40W	—	100W	90W
1100DICM	Deep IC	40W	—	100W	90W
1104IC**	IC/Non-IC	40W/ 60W	65W/ 85W	65W/ 120W	— / 90W
1104ICR	IC/Non-IC exist.	40W/ 60W	65W/ 85W	65W/ 120W	— / 90W
1100IC	IC	40W	—	100W	90W
1100AICM	AirSeal® IC	40W	—	100W	90W

6 ¾" Basic baffle



A19

75W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	5	14'
10'	3	19'
12'	2	23'
Multiple units /S.R. =1.4		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	21	16
6'	9	7
8'	5	4

PAR30

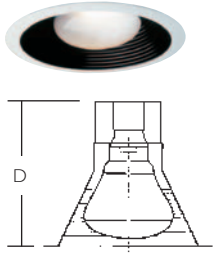
75W PAR30 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	75	4'
10'	40	5'
12'	25	7'
Multiple units /S.R. =0.7		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	74	69
6'	33	29
8'	19	16

Reflector

1179M1	Black baffle
1179WH	Gloss white

Frame-in kit	Ceiling	Lamping A19	BR30	PAR30	PAR38
1102P1	Non-IC	75W	85W	75W Long neck	—
1103R	Non-IC exist.	75W	85W	75W Long neck	—
1104ICX**	AirSeal® IC	—	85W	75W	—
1100DAICM	Deep AirSeal IC	—	85W	75W Long neck	—
1100DICM	Deep IC	—	85W	75W Long neck	—
1104IC**	IC/Non-IC	—	85W/85W	75W/75W	90W/90W
1104ICR	IC/Non-IC exist.	—	85W/85W	75W/75W	90W/90W
1100IC	IC	—	85W	75W	—
1100AICM	AirSeal® IC	—	85W	75W	—

6 ¾" Shallow plenum baffle



Reflector

B16	Gloss white splay
B17	Black baffle
B17WH	Gloss white baffle

Frame-in kit	Ceiling	Lamping BR30	PAR30
1104IC**	IC/Non-IC	**65W/85W**	75W Long neck
1104ICR	IC/Non-IC exist.	**65W/85W**	75W Long neck
1104SIC*	Shallow IC/ Non-IC	**65W/85W**	75W Long neck
1104SICR	Shallow IC/ Non-IC exist.	**65W/85W**	75W Long neck

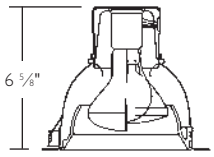
* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.
D: See compatible FIK for depth – page 1.280.

Lytecaster line voltage

6¾" Reflector trims

Basic White Reflectors feature a low brightness splay and aluminum Perma White painted reflector that resists scratches and corrosion; an excellent choice for budget-conscious applications.

6¾" Basic white reflector



A19

75W A19 Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	7	13'
10'	4	18'
12'	2	22'
Multiple units /S.R.=1.3		
Ctr. to Ctr:	Footcandles	
	Lrg. Room	Sml. Room
4'	31	23
6'	14	10
8'	8	6

BR30

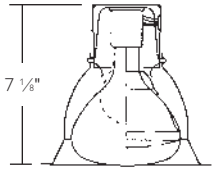
85W BR30 FL Single		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	22	8'
10'	12	11'
12'	8	13'
Multiple units /S.R.=0.9		
Ctr. to Ctr:	Footcandles	
	Lrg. Room	Sml. Room
4'	58	46
6'	26	20
8'	14	12

Reflector

1170M1 Gloss white

Frame-in kit	Ceiling	Lamping A19	BR30	PAR30
1102P1	Non-IC	75W	85W	75W Long neck
1103R	Non-IC exist.	75W	85W	75W Long neck
1104ICX**	AirSeal® IC	—	85W	75W
1100DAICM	Deep AirSeal® IC	—	85W	75W Long neck
1100DICM	Deep IC	—	85W	75W Long neck
1104IC**	IC/Non-IC	—	85W/85W	75W/75W
1104ICR	IC/Non-IC exist.	—	85W/85W	75W/75W
1100IC	IC	—	85W	75W
1100AICM	AirSeal® IC	—	85W	75W

6¾" Basic white reflector



A19

100W A19 Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	14	11'
10'	8	16'
12'	5	20'
Multiple units /S.R.=1.1		
Ctr. to Ctr:	Footcandles	
	Lrg. Room	Sml. Room
4'	61	46
6'	27	20
8'	15	12

BR40

150W BR40 FL Single		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	40	6'
10'	21	9'
12'	13	11'
Multiple units /S.R.=0.8		
Ctr. to Ctr:	Footcandles	
	Lrg. Room	Sml. Room
4'	97	76
6'	43	34
8'	24	19

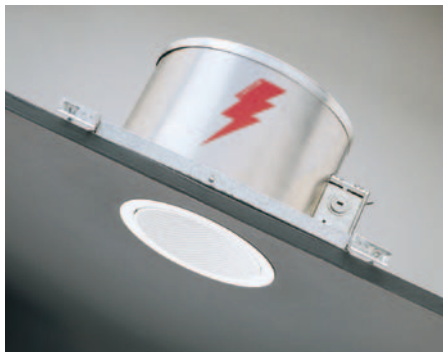
Reflector

1171 Gloss white

Frame-in kit	Ceiling	Lamping A19	BR40	PAR38	R40 Heat
1102P1	Non-IC	100W	150W	150W	250W
1103R	Non-IC exist.	100W	150W	150W	250W
1104ICX**	AirSeal® IC	60W	120W	100W	—
1100DAICM	Deep AirSeal® IC	60W	100W	90W	—
1100DICM	Deep IC	60W	100W	90W	—
1104IC**	IC/Non-IC	52W/ 75W	85W/ 120W	75W/ 150W	—
1104ICR	IC/Non-IC exist.	52W/ 75W	85W/ 120W	75W/ 150W	—
1100IC	IC	60W	100W	90W	—
1100AICM	AirSeal® IC	60W	100W	90W	—

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

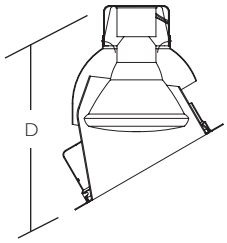
Lytecaster line voltage



6 ¾" Slope ceiling

These reflectors provide glare-free general downlighting for both steep and shallow sloped ceilings. Each reflector utilizes a single insulated ceiling Frame-in kit for all slopes. Each downlight features a 6 ¾" round opening that precisely matches conventional 6 ¾" downlights in shape and finish.

6 ¾" Complete slope: 14°(3/12)–45°(12/12)



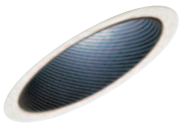
Reflector		PAR38 Lamping 1100IC/1100AICM	1104ICX**
1154†	Black step baffle	90W	90W
1154BK†	Specular black	90W	90W
1154CD†	Clear diffuse	120W	120W
1154CL†	Specular clear	120W	90W
1154GD†	Specular gold	120W	120W
1154GWB	Gloss white baffle	90W	90W
1154GWC	Gloss white cone	90W	90W
1154MW	Matte white cone	90W	90W
1154WH	White step baffle	90W	90W

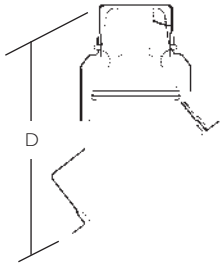
† Available with natural metal flange. Add NM to number when ordering.

Sloped Ceiling

- **Complete slope** provides full adjustment from 14° – 45° (3/12-12/12) and up to 120 Watt PAR38 lamping.
- **Shallow slope** reflector is designed for ceilings sloped from 14° – 30° (3/12 – 7/12 pitch).
- **Steep slope** reflector should be used for ceilings from 30° – 45° (7/12 – 12/12 pitch).
- **Step baffles** feature grooves cut parallel to the floor to match the appearance of standard baffles.
- Uses Lytening IC Frame-in Kit. Design allows lamp to be more deeply recessed than other sloped ceiling downlights (even on the up-slope side) to achieve very low glare.
- Unique design minimizes trapped light allowing 75W PAR30 lamping to equal the output of fixtures using 90W PAR38 lamps.

6 ¾" Steep slope: 30°(7/12)–45°(12/12)





75W PAR30 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	36	4'
10'	20	6'
12'	12	7'

75W PAR30 NFL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
10'	53	4'
12'	33	5'
14'	23	7'
16'	16	8'

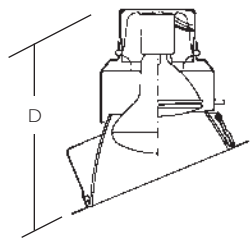
75W PAR30 NSP (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
18'	44	3'
20'	34	4'
22'	28	4'
24'	23	5'

Reflector	
1133	Black step baffle
1133WH	White step baffle
1133CL	Specular clear
1133GD	Specular gold
1133BK	Specular black

Frame-in kit	Ceiling	Lamping PAR30
1104ICX**	AirSeal IC	75W
1100IC	IC	75W
1100AICM	AirSeal IC	75W

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.
D: See compatible FIK for depth – page 1.280.

6 ¾" Shallow slope: 14°(3/12)–30°(7/12)



Reflector	
1131	Black step baffle
1131WH	White step baffle
1131CL	Specular clear
1131GD	Specular gold
1131BK	Specular black

BR30

75W BR30 FL Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	12	7'
10'	7	10'
12'	4	12'

75W BR30 SP Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	53	3'
10'	28	4'
12'	18	5'

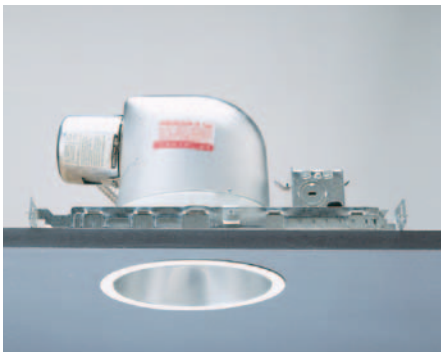
PAR30

75W PAR30 FL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	36	4'
10'	20	6'
12'	12	7'

75W PAR30 NFL (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
10'	53	4'
12'	33	5'
14'	23	7'
16'	16	8'

75W PAR30 NSP (T-H)		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
18'	44	3'
20'	34	4'
22'	28	4'
24'	23	5'

Frame-in kit	Ceiling	Lamping BR30	PAR30
1104ICX**	AirSeal IC	85W	75W
1100IC	IC	65W	75W
1100AICM	AirSeal IC	65W	75W

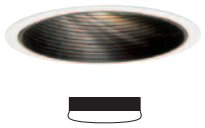


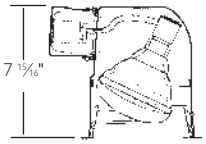
Lytecaster line voltage

6¾" Accent lighting

Recessed adjustables offer inconspicuous accent lighting for horizontal and vertical surfaces and can be easily coordinated with Step Baffle and Aperture Cone downlights.

6¾" Recessed adjustable





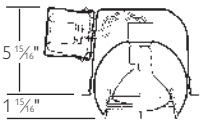
Vertical tilt: 30°

Frame-in kit	Ceiling	Lamping BR30	PAR38	BR40
1102P1	Non-IC	85W	150W	150W
1103R	Non-IC exist	85W	150W	150W
1100DAICM	Deep AirSeal IC	85W	90W	—
1100DICM	Deep IC	85W	90W	—

Reflector

1127	Matte black baffle	**1127NM**	Matte black, natural metal flange
1127WH	Matte white Baffle	**1127BNM**	Natural metal baffle, natural metal flange
1127BK	Specular black	**1127BKNM**	Specular black, natural metal flange
1138	Specular gold	**1138NM**	Specular gold, natural metal flange
1127CD	Clear diffuse	**1127CDNM**	Clear diffuse, natural metal flange
1148	Specular clear	**1148NM**	Specular clear, natural metal flange

6¾" Step baffle eyeball



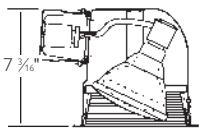
Vertical tilt: 40°

Frame-in kit	Ceiling	Lamping PAR30	BR30
1102P1	Non-IC	75W Long neck	85W
1103R	Non-IC exist	75W Long neck	85W
1100DAICM	Deep AirSeal IC	75W Long neck	85W
1100DICM	Deep IC	75W Long neck	85W
1104ICX**	AirSeal IC	75W Long neck	85W
1100IC	IC	75W Long neck	85W
1100AICM	AirSeal IC	75W Long neck	85W

Reflector

1122	Eyeball w/ black baffle
1122WH	Eyeball w/ white baffle

6¾" Recessed adjustable



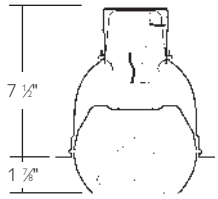
Vertical tilt: 30°

Frame-in kit	Ceiling	Lamping BR30	BR40	PAR38
1102P1	Non-IC	85W	—	90W
1103R	Non-IC exist	85W	—	90W
1104ICX**	AirSeal IC	65W	90W	90W
1100DAICM	Deep AirSeal IC	85W	—	90W
1100DICM	Deep IC	85W	—	90W
1100IC	IC	85W	—	90W
1100AICM	AirSeal IC	85W	—	90W

Reflector

1129	Matte black baffle	**1129NM**	Black baffle, natural metal flange
1129CD	Clear diffuse	**1129BNM**	Natural metal baffle, natural metal flange
1129WH	Matte white baffle	**1129BKNM**	Specular black, natural metal flange
1129BK	Specular black	**1129CDNM**	Clear diffuse, natural metal flange
1129CL	Specular clear	**1129CLNM**	Specular clear, natural metal flange
1129GD	Specular gold	**1129GDNM**	Specular gold, natural metal flange

6¾" Basic eyeball



Frame-in kit	Ceiling	Lamping PAR30	BR30
1102P1	Non-IC	75W Long neck	85W
1103R	Non-IC exist	75W Long neck	85W
1100DAICM	Deep AirSeal IC	75W Long neck	85W
1100DICM	Deep IC	75W Long neck	85W
1104ICX**	AirSeal IC	75W Long neck	85W
1104IC**	IC/Non-IC	75W Long neck	85W
1104ICR	IC/Non-IC exist	75W Long neck	85W
1100IC	IC	75W Long neck	85W
1100AICM	AirSeal IC	75W Long neck	85W

Reflector

1182	Gloss white eyeball

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.
Accepts Lytegems, see page 1.333.

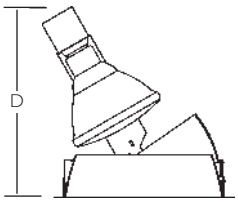
Lytecaster line voltage

6¾" Accent lighting

Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces. It is typically achieved with adjustable downlights whose beams can be carefully aimed.

7 1/2" Performance PAR recessed adjustable

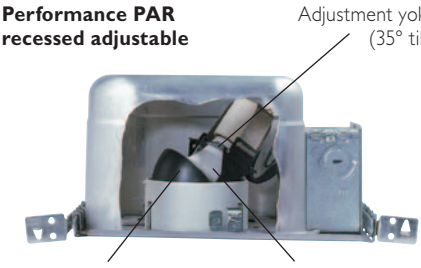
Frame-in kit	Ceiling	Lamping PAR38
1700P1	Non-IC	150W



Vertical tilt: 35°

Reflector	
1738CL†	Specular clear
1738GD†	Specular gold

Performance PAR recessed adjustable



Performance PAR recessed accent

Designed for high impact accent lighting, this selection of reflector trims can be carefully aimed to deliver light exactly where it is needed.

- **7 1/2" Performance PAR adjustable** utilizes the PAR38 lamp to provide powerful, deeply recessed accent lighting in retail and commercial applications.

* For nail version add "N" suffix.
** For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.
† These trims require special enclosed Non-IC Frame-in Kits.

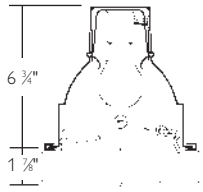
Lytecaster line voltage

6¾" Enclosed wet location trims

These elegant dropped glass diffusers provide high quality ambient lighting and are suitable for showers, spas and other wet locations.

- Opal Disk features a Triplex Opal glass diffuser (two layers of clear glass surrounding an Opal layer) that provides widespread, even illumination.
- Opal Dome features Triplex Opal glass molded into a soft dome shape.
- Cratere Dome uses textured Cratere glass (acid-etched outer surface with sandblasted inner surface) and provides maximum light output with a distinctive look.

6¾" Opal disk



Reflector

1121 Opal Glass

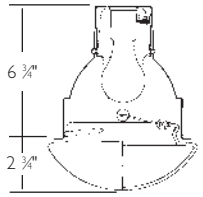
A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	8	16'
10'	5	21'
12'	3	27'

Multiple units /S.R. =1.2		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	43	31
6'	19	14
8'	11	8

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	100W
1103R	Non-IC Exist.	100W
1104ICX**	AirSeal IC	52W
1100DAICM	Deep AirSeal IC	60W
1100DICM	Deep IC	60W
1104IC**	IC/Non-IC	40W/75W
1104ICR	IC/Non-IC Exist.	40W/75W
1100IC	IC	60W
1100AICM	AirSeal IC	60W

6¾" Opal dome



Reflector

1134 Opal Glass

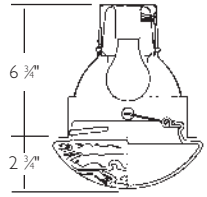
A19

75W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	3	24'
10'	2	32'
12'	1	41'

Multiple units /S.R. =1.3		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	21	14
6'	9	6
8'	5	4

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	75W
1103R	Non-IC Exist.	75W
1104ICX**	AirSeal IC	40W
1100DAICM	Deep AirSeal IC	40W
1100DICM	Deep IC	40W
1104IC**	Non-IC	60W
1104ICR	Non-IC Exist.	60W
1100IC	IC	40W
1100AICM	AirSeal IC	40W

6¾" Cratere dome



Reflector

1124 Cratere Glass

A19

100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	12	14'
10'	7	19'
12'	4	23'

Multiple units /S.R. =1.2		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	44	31
6'	19	14
8'	11	8

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	100W
1103R	Non-IC Exist.	100W
1104ICX**	AirSeal IC	60W
1100DAICM	Deep AirSeal IC	60W
1100DICM	Deep IC	60W
1104IC**	IC/Non-IC	40W/75W
1104ICR	IC/Non-IC Exist.	40W/75W
1100IC	IC	60W
1100AICM	AirSeal IC	60W

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

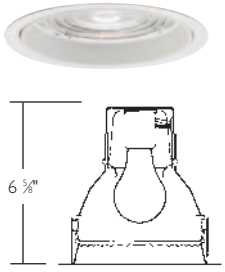
Lytecaster line voltage

6¾" Enclosed wet location trims

These fully enclosed wet location downlights are an excellent choice for closets, kitchens and showers. Lenses clean easily – excellent for use in dirt prone areas.

- Fresnel lenslite: the fresnel lenslite redirects the light from economical a-lamps to provide concentrated low brightness lighting.
- White diffuser lenslite: the white diffuser lenslite provides broad diffusion while completely concealing the light source.

6¾" Fresnel lenslite



A19

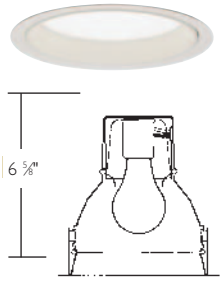
100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	12	11'
10'	7	14'
12'	4	18'
Multiple units /S.R. =1.5		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	53	40
6'	23	18
8'	13	10

Reflector

1126 Fresnel Lens

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	100W
1103R	Non-IC Exist.	100W
1104ICX**	AirSeal IC	52W
1100DAICM	Deep AirSeal IC	60W
1100DICM	Deep IC	60W
1104IC**	Non-IC	60W
1104ICR	Non-IC Exist.	60W
1100IC	IC	60W
1100AICM	AirSeal IC	60W

6¾" White diffuser



A19

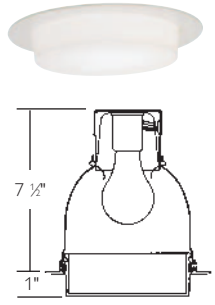
100W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	12	11'
10'	6	16'
12'	4	20'
Multiple units /S.R. =1.0		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	42	27
6'	18	12
8'	10	7

Reflector

1128 White Diffuser

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	100W
1103R	Non-IC Exist.	100W
1104ICX**	AirSeal IC	52W
1100DAICM	Deep AirSeal IC	60W
1100DICM	Deep IC	60W
1104IC**	Non-IC	60W
1104ICR	Non-IC Exist.	60W
1100IC	IC	60W
1100AICM	AirSeal IC	60W

6¾" Opalex dropped



A19

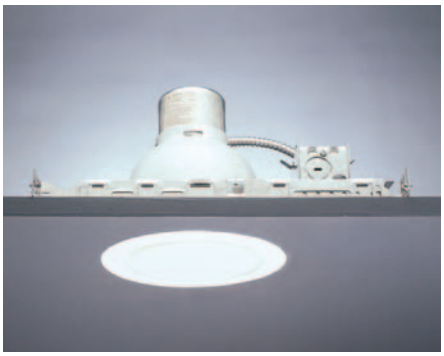
75W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	5	19'
10'	3	26'
12'	2	33'
Multiple units /S.R. =1.3		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	27	19
6'	12	8
8'	7	5

Reflector

1178SH

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	75W
1103R	Non-IC Exist.	75W
1104ICX**	AirSeal IC	40W
1100DAICM	Deep AirSeal IC	40W
1100DICM	Deep IC	40W
1104IC**	Non-IC	40W
1104ICR	Non-IC Exist.	40W
1100IC	IC	40W
1100AICM	AirSeal IC	40W

* For nail version add "N" suffix.
** For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

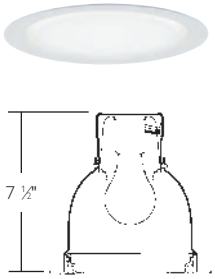


Lytecaster line voltage

6 ¾" Enclosed wet location trims

- Opalex Flush offers a durable Lexan® diffuser, soft uniform illumination, and twist-off relamping.
- Basic Dropped (Lexan diffuser) and Basic Flush (stippled glass lens) are compatible with 6 ¾" aperture Standard and Shallow Lytening and 5" Standard Lytening.

6 ¾" Opalex flush



A19

60W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	3	16'
10'	2	21'
12'	1	27'

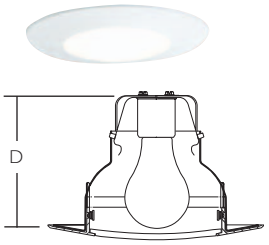
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	17	19
6'	8	6
8'	4	3

Reflector

1177SH Lexan diffuser

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	60W
1103R	Non-IC Exist.	60W
1100DAICM	Deep AirSeal IC	40W
1100DICM	Deep IC	40W
1104IC**	Non-IC	40W
1104ICR	Non-IC Exist.	40W
1100IC	IC	40W
1100AICM	AirSeal IC	40W

6 ¾", 5" Basic flush

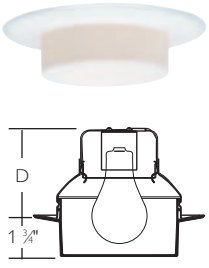


Reflector

1177LX Glass lens

	Frame-in kit	Ceiling	Lamping A19
5"	**1004IC****	IC/Non-IC	40W/60W
	1004ICR	IC/Non-IC Exist.	40W/60W
6 3/4"	**1104IC****	IC/Non-IC	40W/75W
	1104ICR	IC/Non-IC Exist.	40W/75W
	1104SIC*	Shallow IC/Non-IC	40W/75W
	1104SICR	Shallow IC/Non-IC Exist.	40W/75W

6 ¾", 5" Basic dropped



A19

40W A19 Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
6'	4	23'
8'	2	36'
10'	1	49'

Multiple units /S.R.=1.4		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	10	7
6'	4	3
8'	2	2

Reflector

1178LX Lexan diffuser

	Frame-in kit	Ceiling	Lamping A19
5"	**1004IC****	IC/Non-IC	40W/40W
	1004ICR	IC/Non-IC Exist.	40W/40W
6 3/4"	**1104IC****	IC/Non-IC	40W/52W
	1104ICR	IC/Non-IC Exist.	40W/52W
	1104SIC*	Shallow IC/Non-IC	40W/52W
	1104SICR	Shallow IC/Non-IC Exist.	40W/52W

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.
D: See compatible FIK for depth – page 1.280.

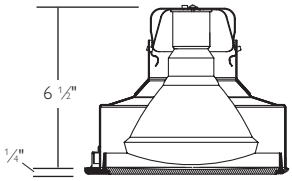
Lytecaster line voltage

6¾" Enclosed & open wet location trims

Lensed Wet Location provides high quality ambient lighting and is suitable for showers, spas, Jacuzzis and other wet locations.

Open Wet Location creates a fully UL listed wet location without a lens. Outdoor rated PAR lamps** act as the lens providing up to 75 watts of light in a 6¾" aperture.
Requires outdoor rated PAR38 lamp. (Sylvania or GE)

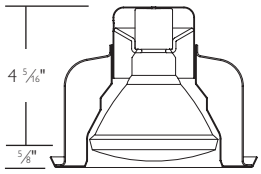
6¾" Lensed wet location



Reflector	
1190	Etch white

Frame-in kit	Ceiling	Lamping PAR 38
1102P1/1103R	Non-IC	120W
1100IC /1100AICM	IC	90W
1100DICM /1100DAICM	IC	75W
1104ICX**	IC	60W
1104IC/ 1104ICR**	IC	45W
1104IC/ 1104ICR**	Non-IC	100W

6¾" Open wet location

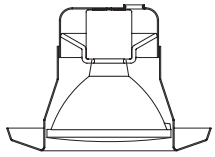


Reflector	
1184WH	Gloss white
1184CD	Clear diffuse

Frame-in kit	Lamping PAR 38
1104ICX**	75W
1100IC	75W
1100AICM	75W
1102P1	75W
1103R	75W

Sylvania or GE outdoor rated lamps only.

6¾" Open wet location



Reflector	
1181WH	Gloss white
1181CD	Clear diffuse

Frame-in kit	Lamping IC PAR38	Lamping Non-IC PAR38
1104IC**	75W	75W
1104ICR	75W	75W

Sylvania or GE outdoor rated lamps only.

* For nail version add "N" suffix.
** For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

Lytecaster line voltage

6¾" Wall washers

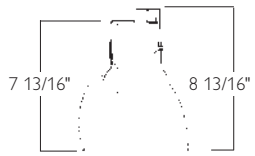
Designed to match deep Anodized downlights, these open wall wash downlights provide a smooth uniform wash of light in addition to some room side downlight. They are an excellent way to make a small room appear more spacious. These fixtures are also a good source for lighting shelving or displays.

6¾" Open downlight wall washer

Reflector

1195	Specular gold
1196	Specular clear
1196CD	Clear diffuse

( ) = Wattage for 1195



150W A21		Footcandles on wall 2'			3'		
Distance from ceiling	1'	41	39	41	32	22	32
	2'	60	60	60	44	35	44
	3'	53	54	53	33	30	33
	4'	40	41	40	26	29	26
	5'	30	30	30	20	21	20
	6'	23	23	23	16	16	16
	7'	17	18	17	13	13	13
	8'	14	14	14	10	10	10
	9'	11	11	11	9	9	9

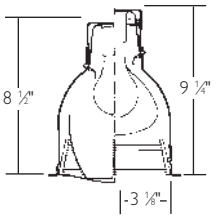
Note: Data based on a minimum of 5 units

Frame-in kit	Ceiling	Lamping A19	A21
1102P1	Non-IC	100W	150W (135W)
1100DAICM	Deep AirSeal IC	75W	—

6¾" Step eyelid baffle wall washer

Reflector

1135	Matte black Step baffle
1135WH	Matte white Step baffle



A21

150W A21		Footcandles on wall 2'			3'		
Distance from ceiling	1'	37	40	37	31	24	31
	2'	51	44	51	37	30	37
	3'	47	42	47	32	30	32
	4'	34	34	34	22	26	22
	5'	27	28	27	17	18	17
	6'	21	20	21	13	14	13
	7'	17	14	17	11	12	11
	8'	14	12	14	8	10	8
	9'	10	10	10	6	8	6

Note: Data based on a minimum of 5 units

BR40

150W BR40 FL		Footcandles on wall 2'			3'		
Distance from ceiling	1'	25	25	25	18	15	18
	2'	30	30	30	22	19	22
	3'	28	26	28	21	15	21
	4'	24	25	24	18	16	18
	5'	20	20	20	14	14	14
	6'	16	15	16	11	11	11
	7'	12	12	12	9	9	9
	8'	10	10	10	7	7	7
	9'	8	8	8	6	6	6

Note: Data based on a minimum of 5 units

Frame-in kit	Ceiling	Lamping A19	A21	BR30	BR40
1102P1	Non-IC	100W	150W	—	90W
1103R	Non-IC exist	100W	150W	—	150W
1100DAICM	Deep AirSeal IC	60W	—	60W	—
1100DICM	Deep IC	60W	—	60W	—

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.

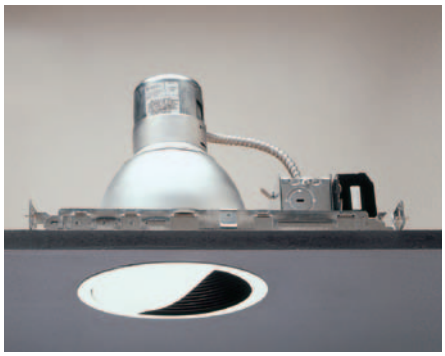
Open wall wash

- **6 3/4" Open downlight wall washer** is ideal for all residential and light commercial Line Voltage wall washing applications. Largest aperture and highest wattage lamps provide the smoothest, broadest coverage in higher ceiling applications. Open design matches 6 3/4" deep Anodized downlights (p. 28) and provides a general downlighting component.
- **Step baffle wall washer** provides a high intensity, smooth wash of light up to the ceiling line. Dual reflector optics ensure effective output with economical light sources while the aluminum step baffle reduces glare.

Lytecaster line voltage

6 ¾" Open wall washers

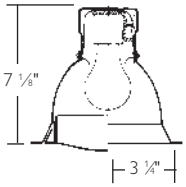
These reflectors provide high quality wall washing for residential and light commercial environments. Designed to emphasize the vertical plane, they are an excellent way to make small rooms appear more spacious.



Wall washing

- **Basic eyelid wall washer** provides a cost effective smooth wash of light up to the ceiling line while blocking light to the floor to provide a dramatic impact to the vertical surface. White finish blends well against ceilings.

6 ¾" Basic eyelid wall washer



Reflector

1185	Gloss white

A19

100W A19	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	39	36	39	29	19	29
2'	49	47	49	33	30	33
3'	35	35	35	23	25	23
4'	29	26	29	19	18	19
5'	16	18	16	13	12	13
6'	11	12	11	9	8	9
7'	8	8	8	6	6	6
8'	8	8	8	6	6	6
9'	7	8	7	6	6	6

Note: Data based on a minimum of 5 units

Frame-in kit	Ceiling	Lamping A19
1102P1	Non-IC	100W
1103R	Non-IC exist	100W
1100IC	IC	52W
1100AICM	AirSeal IC	52W
1104ICX**	AirSeal IC	52W
1100DAICM	Deep AirSeal IC	40W
1100DICM	Deep IC	40W
1104IC**	IC/Non-IC	40W/60W
1104ICR	IC/Non-IC existing	40W/60W

Eyelid wall washers blend easily into the ceiling with open downlights and provide smooth scallop-free lighting on vertical surfaces.

EXIT

Lytecaster low voltage

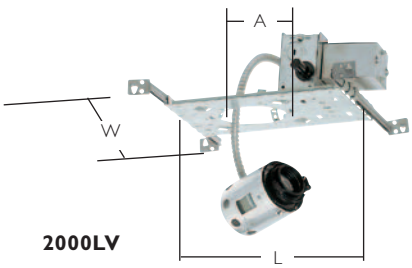
Frame-in kits

There's no better way to create high-impact accent lighting for homes, retail stores and other spaces than with low voltage halogen downlighting. By bringing out form, color and texture in the objects being lighted, low voltage lighting draws the viewer in and adds excitement to the composition.

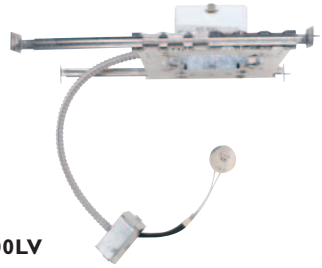
Magnetic transformers provide a cost effective low voltage solution with simplified dimming electronics. The improved technology of Electronic transformers offer cool, quiet operation even when dimmed.

Lytecaster low voltage downlights feature MR16 and PAR36 lamps that provide highly focused beams that are particularly well suited for accent lighting. These low voltage Line Voltage sources are also brighter and last up to twice as long as normal filament lamps.

Standard MR16 non-IC



2000LV



1000LV

	2000LVE1 **2000LVE2** Electronic	**2000LV** Magnetic	**2000LVNT** MR16 Remote transformer	**1000LVE1** **1000LVE2** Electronic	**1000LV** Magnetic	**1000LVNT** MR16 Remote transformer
Cut out (A)	3 11/16"	3 11/16"	3 11/16"	5 1/8"	5 1/8"	5 1/8"
Width (W)	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"
Length (L)	11 1/8"	11 1/8"	9 5/8"	11 5/8"	11 5/8"	9 5/8"
Depth* (D)	See reflector trim					

Designed for new construction where insulation will not be installed. Standard new construction MR16 Frame-in Kits for use in ceilings up to 1" thick. Our new LVE series electronic transformers in 120 or 277 volt ensure cool, quiet operation in residential and commercial applications, even when dimmed. Magnetic 120 volt transformer provides a cost effective low voltage solution with simplified dimming electronics. NT allows for remotely mounted transformer. Integral wood joist nailing tabs, UL listed for through wiring, Integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable.

Remodeler MR16-non-IC

2000LVR
Non-IC remodeler for use in existing ceiling up to 2" thick. Pre-installed mounting straps secure flanged ring without tools and without damaging plaster or gypsum ceilings. Available with Magnetic or Electronic transformers.

	2000LVR Magnetic	**2000LVRE1** Electronic	**1000LVR** Magnetic	**1000LVRE1** Electronic
Cut out (A)	3 15/16"	3 15/16"	5 3/8"	5 3/8"
Width (W)	2 3/4"	2 3/4"	5 3/4"	5 3/4"
Length (L)	8 1/8"	8 1/8"	13 1/4"	13 1/4"
Depth* (D)	See reflector trim			

Lytening MR16 IC

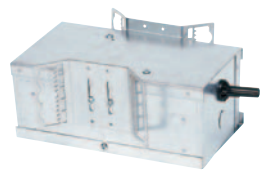
2004ICV
Designed for new construction where insulation will be installed around the fixture. Magnetic transformer is mounted inside housing for easy access. AirSeal®, complies with MEC and WSEC air leakage requirements. Pivoting bar-ends, pre-installed screws (or nails), and tool-free cable clamps for fast, convenient installation of non-metallic Romex®, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories, installs in ceilings up to 1" thick, 3/8" integral plaster ceiling ring on 2004ICV.

	2004ICV	**1004ICV**
Cut out (A)	3 15/16"	5 1/4"
Width (W)	10 3/8"	10 3/8"
Length (L)	12 1/4"	12 1/4"
Depth* (D)	See reflector trim	

2004ICVN = Preset nails
1004ICVN = Preset nails

MR16 Remote transformer

LVNT Frame-in kits may be installed in new ceilings up to 1" thick. Philips Lightolier remote transformers 8608 (75W) and 8609 (225W) are fused and suitable for recessed installation.



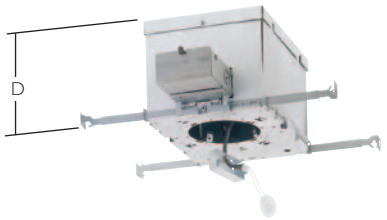
8608
75W Max.

8609
225W Max.

Lytecaster low voltage

MR16 lamps offer a unique punch and sparkle which is ideal for highlighting small objects such as artwork, glass and tableware. The MR16 lamp features a powerful central beam surrounded by a less intense "corona". The PAR36 lamp provides a well-controlled, glare-free beam. Lytecaster low voltage downlights are designed to provide a wide range of adjustment. Many feature "hot aiming" so the beam can be tilted and rotated while the fixture is on. Adding dimming controls allows the intensity of the beam to be adjusted to the desired effect.

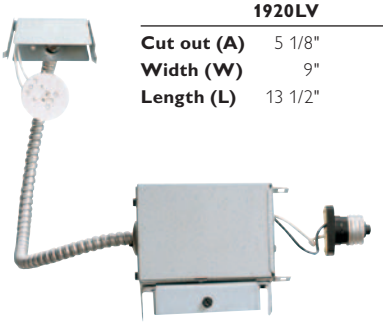
Insulated MR16 IC



For use in new construction where fixture will be in direct contact with thermal insulation. Magnetic Transformer is mounted inside housing for easy access. 2000AICV features AirSeal® gasketing for compliance with WSEC and MEC requirements. Integral wood joist nailing tabs, integral cable clamps for nonmetallic (Romex®) or armored (BX®) cable, UL listed for through wiring, mounting bars lock to T-bar ceiling runners without accessories, installs in ceilings up to 1" thick

	★★★ 2000AICV	★★★ 1000ICV
Cut out (A)	3 11/16"	5 1/8"
Width (W)	9"	9"
Length (L)	15 1/2"	15 1/2"
Depth* (D)	7 5/16"	7 5/16"

MR16 Conversion kit



	1920LV
Cut out (A)	5 1/8"
Width (W)	9"
Length (L)	13 1/2"

Converts a previously installed 1000 series line voltage Lytecaster standard, remodeler or insulated ceiling frame-in kit to accept 1000LV series low voltage reflector trims. Maximum wattage 20-42W with insulated kits and 20-50W with non-insulated kits. Installs without the need for hard wiring. Magnetic transformer.

Low voltage frame-in kits

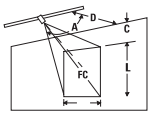
Lytecaster Low Voltage Frame-in Kits offer a choice of installation options and performance levels for high impact accent lighting.

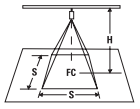
- 2000LV series features the smallest aperture size (3 3/4") for the most dramatic applications and widest selection of trim and finish options.
- 5" 1000LV series provides higher wattages and greater adjustability for more demanding projects.
- 6 3/4" 1100 series utilizes reflector trims with integral transformers that provide the highest wattage and most adjustability.
- Replaceable lamp socket and "Hot Aiming" are standard.

Lytecaster dimming

Lytecaster low voltage downlights may be dimmed for added accent lighting impact. Philips Lightolier offers many Controls options for low voltage fixtures, including OnSet, MultiSet, Scenist, and Brilliance controls and dimmers (these are designated by the suffix "VA" or "LV" following the catalog number). For additional details on Philips Lightolier's entire line of dimming control systems contact Philips Controls Division at 1-800-526-2731.

MR16 Framing projector accessory





Illumination on vertical plane
Shutter blades set for maximum beam coverage.

	Distance (D)	24"			36"			48"			60"			72"			84"			96		
	Aiming angle (A)	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°
	Width (W)	2"	18"	22"	20"	30"	35"	29"	42"	48"	37"	54"	62"	46"	66"	75"	54"	78"	88"	63"	90"	101"
	Length (L)	16"	22"	44"	27"	37"	70"	39"	51"	97"	50"	66"	123"	61"	81"	150"	72"	95"	176"	84"	110"	202"
	Distance (C)	13"	22"	33"	20"	33"	50"	26"	44"	66"	33"	55"	83"	39"	66"	99"	46"	77"	116"	52"	88"	132"
FC	50W MR16 FL EXN	376	183	52	130	66	20	65	34	11	39	20	7	26	14	5	18	10	3	14	7	2
FC	75W MR16 PL EYC	680	332	95	234	119	37	117	61	20	70	37	12	47	25	8	33	18	6	25	13	4

Length (L) to the point that FC drops to 10% of maximum.

6497
Attaches to 1062LV Elbow. (page 1.313)

Illumination on horizontal plane
Unit aimed 0° from vertical, shutter blades set for maximum beam coverage.

	Distance (H)	4'	5'	6'	7'	8'	9'	10'	11'	12'
	Sides (S)	20"	26"	32"	38"	44"	50"	56"	63"	69"
FC	50W MR16 FL EXN	108	64	42	30	22	17	14	11	9
FC	75W MR16 PL EYC	195	115	75	53	40	31	24	20	17

MR16 Socket replacement

1975TAL
For GE turn and lock lamps.

1975B
For 2000LV series frame-in kits and 1052lv trim.

1975A
For 1000LV series frame-in kits and 1152, 1161 trims.

MR16 Accessory lenses

All 2" color filters and diffusion lenses listed are compatible with the 2000LV, 2000LVR, 2000LVNT, 2000LVE1/2, 2000LVRE1 frame-in kits.

Noise

There is some noise produced by low voltage systems: both from the lamps and the magnetic transformers, especially when dimmed.

This noise can be audible depending on the lamp/transformer combination, the level of background noise, the sound absorbency of the surrounding surfaces and the hearing of the people in the space.

Whether the noise is objectionable depends largely on how critical the application is.

In general, non-dimmed, magnetic transformers will be audible to most observers in most applications. PAR36 lamps, in general, emit a characteristic filament "buzz" or "sizzle" especially when dimmed. We do not recommend their dimmed use in very quiet environments.

Private homes, quiet specialty shops and galleries tend to be more sensitive to noise than department stores or circulation spaces. Conference rooms, stores and quiet restaurants fall in between.

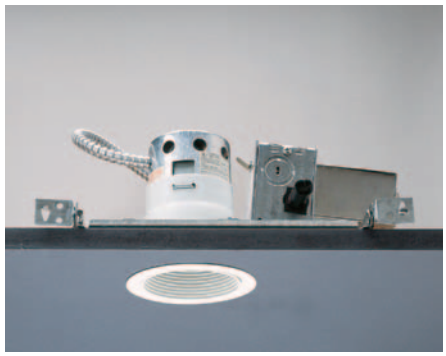
Where noise can be expected to be a user issue, special care should be taken to examine all design options especially the choice of lighting, surface, and furnishing materials.

Electronic transformers, transformer free fixtures and remote transformers are also available.

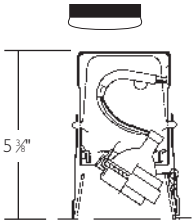
Lytecaster low voltage

3¾" Accent lighting trims

The Recessed Adjustable, Mini-Swivel & Eyeball miniature low voltage accent lights feature the versatile MR16 light source to dramatically highlight paintings, artwork and other objects while carefully blending into the ceiling.



3¾" Recessed adjustable aperture cone



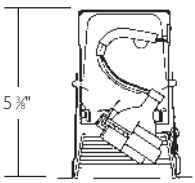
Vertical tilt: 35°

Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVR	Non-IC existing	20-50W
2004ICV*	AirSeal IC	20-50W
2000AICV	IC	35W
2000LVNT	Non-IC	20W-42W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	20W-50W

Reflector

2008	Brushed gold	**2008NM**	Brushed gold, natural metal flange
2010	Brushed clear	**2010NM**	Brushed clear, natural metal flange
2012	Specular gold	**2012NM**	Specular gold, natural metal flange
2013	Specular clear	**2013NM**	Specular clear, natural metal flange
2013BK	Specular black	**2013BKNM**	Specular black, natural metal flange
2013CD	Clear diffuse	**2013CDNM**	Clear diffuse, natural metal flange
2013WH	Matte white		

3¾" Recessed adjustable step baffle



Vertical tilt: 35°

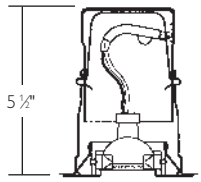
Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVR	Non-IC existing	20-50W
2004ICV*	AirSeal IC	20-50W
2000LVNT	Non-IC	20W-42W
2000AICV	AirSeal IC	35W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	20W-50W

Reflector

2005	Matte black baffle	**2005NM**	Matte black, natural metal flange
2005WH	Matte white baffle	**2005BNM**	Natural metal baffle, natural metal flange

***** For nail version add "N" suffix.
Accepts Lytegems, see page 1.333.

3¾" Mini-swivel round



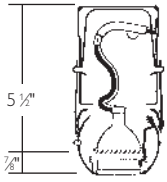
Vertical tilt: 35°

Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVR	Non-IC existing	37W
2004ICV*	AirSeal IC	20-50W
2000LVNT	Non-IC	20W-42W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	37W

Reflector

2025WH	Gloss white

3¾" MR16 Eyeball



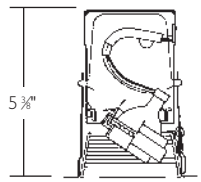
Vertical tilt: 45°

Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVNT	Non-IC	20-42W
2000AICV	AirSeal IC	20-35W
2000LVR	Non-IC existing	20-50W
2004ICV*	AirSeal IC	37W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	20W-50W

Reflector

2022LV	Matte white

3¾" Recessed adjustable basic baffle

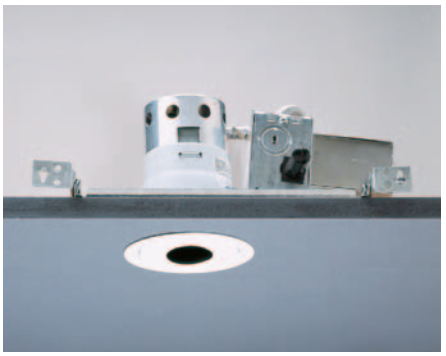


Vertical tilt: 35°

Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVR	Non-IC existing	20-50W
2004ICV*	AirSeal IC	20-50W
2000LVNT	Non-IC	20W-42W
2000AICV	AirSeal IC	35W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	20W-50W

Reflector

2076	Black
2076WH	Gloss white

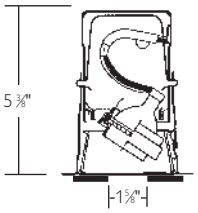


Lytecaster low voltage

3¾" Accent lighting & wet location trims

These small aperture accent lights conceal the light source and provide the smallest available aperture with an inner matte black shield that absorbs stray light. The Pinhole provides consistent ceiling appearance while the Slot provides maximum adjustment in a small aperture fixture. Lensed products provide high-impact lighting in locations where product can come in direct contact with water.

3¾" Pinhole



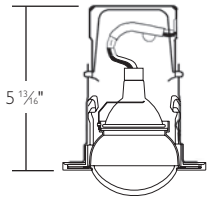
Vertical tilt: 15°

Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVR	Non-IC existing	20-50W
2004ICV*	AirSeal IC	20-37W
2000AICV	AirSeal IC	20-35W
2000LVNT	Non-IC	20-42W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	20W-50W

Reflector

2011 Pinhole w/matte white faceplate

3¾" Shower trim

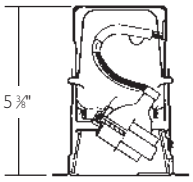


Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVR	Non-IC	37W
2004ICV*	AirSeal IC	20-50W
2000LVNT	Non-IC	20-42W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	37W

Reflector

2026WH Matte white frosted glass diffuser

3¾" Slot



Vertical tilt: 35°

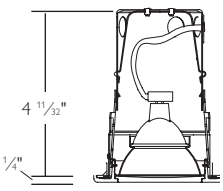
Slot dimensions:
1¼" × 2⅜"

Frame-in kit	Ceiling	Lamping MR16
2000LV	Non-IC	20-50W
2000LVR	Non-IC existing	20-50W
2004ICV*	AirSeal IC	20-37W
2000AICV	AirSeal IC	20-35W
2000LVNT	Non-IC	20-42W
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	20W-50W

Reflector

2006 Slot aperture w/matte white faceplate

3¾" Lensed wet location



Frame-in kit	Ceiling	Lamping MR16
2000AICV	AirSeal IC	20-37W MR16
2004ICV*	AirSeal/IC	20-50W MR16
2000LV / 2000LVNT	Non-IC	20-50W MR16
2000LVR	Non-IC remodeler	20-37W MR16
2000LVE1	Non-IC	20W-50W
2000LVE2	Non-IC	20W-50W
2000LVRE1	Non-IC existing	37W

Reflector

2090LV Etch white

***** For nail version add "N" suffix..

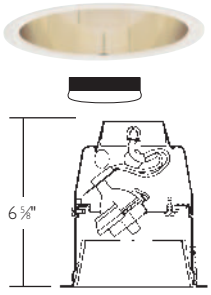
Lytecaster low voltage

5" Accent lighting trims

This selection of low voltage accent lights is designed to provide increased power and punch to highlight wall art and objects from greater distances.

- 5" Recessed Adjustable and Pinhole offer inconspicuous styling.
- MR16 Elbow provides the highest range of adjustment; 70° from vertical maximum when fully extended.

5" Recessed adjustable aperture cones

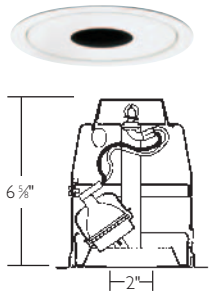


Vertical tilt: 35°

Frame-in kit	Ceiling	Lamping MR16
1000LV	Non-IC	42-75W
1000LVR	Non-IC existing	42-75W
1004ICV*	AirSeal IC	20-50W
1000ICV	IC	20-35W
1000LVNT	Non-IC	42-75W
1000LVE1	Non-IC	42W-75W
1000LVE2	Non-IC	42W-75W
1000LVRE1	Non-IC existing	42W-75W

Reflector	
1056LV	Specular black
1063LV	Specular gold
1064LV	Specular clear
1064CDLV	Clear diffuse

5" Pinhole



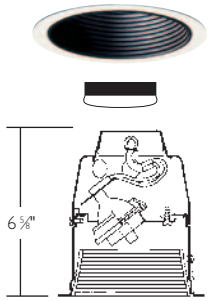
Vertical tilt: 35°

Frame-in kit	Ceiling	Lamping MR16
1000LV	Non-IC	42-65W
1000LVR	Non-IC existing	42-65W
1004ICV*	AirSeal IC	20-37W
1000LVNT	Non-IC	42-65W
1000ICV	IC	20-35W
1000LVE1	Non-IC	42W-65W
1000LVE2	Non-IC	42W-65W
1000LVRE1	Non-IC existing	42W-65W

Reflector	
1052LV	Pinhole w/matte White faceplate

See page 1.334 for slot aperture faceplate accessory.

5" Recessed adjustable step baffle

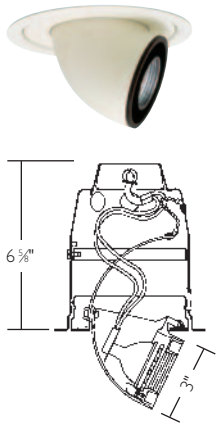


Vertical tilt: 35°

Frame-in kit	Ceiling	Lamping MR16
1000LV	Non-IC	42-75W
1000LVR	Non-IC existing	42-75W
1004ICV*	AirSeal IC	20-50W
1000ICV	IC	20-35W
1000LVNT	Non-IC	42-75W
1000LVE1	Non-IC	42W-75W
1000LVE2	Non-IC	42W-75W
1000LVRE1	Non-IC existing	42W-75W

Reflector	
1055LV	Matte black baffle
1055WHLV	Matte white Baffle

5" MR16 Elbow



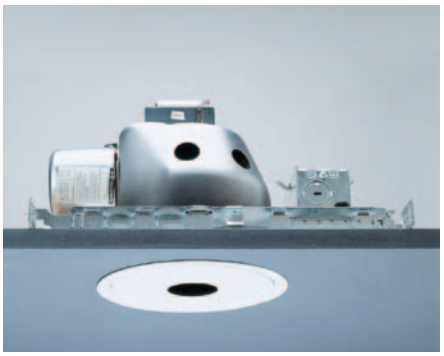
Vertical tilt: 70°

Frame-in kit	Ceiling	Lamping MR16
1000LV	Non-IC	42-65W
1000LVR	Non-IC existing	42-65W
1004ICV*	AirSeal IC	20-50W
1000ICV	IC	20-42W
1000LVNT	Non-IC	42-65W
1000LVE1	Non-IC	42W-65W
1000LVE2	Non-IC	42W-65W
1000LVRE1	Non-IC existing	42W-65W

Reflector	
1062LV	Matte white

1062LV is compatible with framing projector accessory (page 1.310)

***** For nail version add "N" suffix.
Accepts Lytegems, see page 1.333.

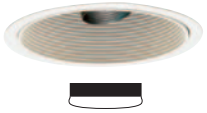


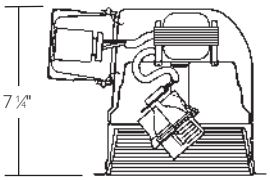
Lytecaster low voltage

6¾" Accent lighting trims

- Larger size 6¾" fixtures provide the most adjustment and higher wattages.
- 6¾" PAR36 Recessed Adjustable features a dual output magnetic transformer for 12v or 5.5v lamps. PAR36 fixtures are particularly well-suited for accenting small objects with long throws of light.

6¾" Recessed adjustable



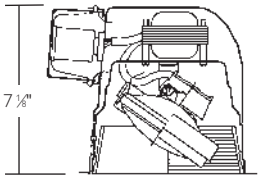


Vertical tilt: 40°

Frame-in lamping sit	Ceiling	MR16
1102P1	Non-IC	42-50W
1103R	Non-IC Existing	42-50W
1104ICX**	AirSeal IC	42-50W
1100DAICM	Deep AirSeal IC	42-50W
1100DICM	Deep IC	42-50W
1100IC	IC	42-50W

Reflector	
1161	Matte Black baffle
1161WH	Matte white Baffle

6¾" PAR36 Recessed adjustable

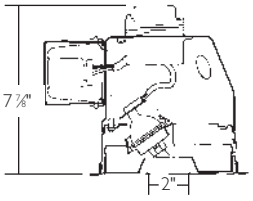


Vertical tilt: 35°

Frame-in kit	Ceiling	Lamping 12v PAR36	Lamping 5.5v PAR36
1102P1	Non-IC	25-50W	25W
1103R	Non-IC Existing	25-50W	25W
1104ICX**	AirSeal IC	25-50W	25W
1100DAICM	Deep AirSeal IC	25-50W	25W
1100DICM	Deep IC	25-50W	25W
1100IC	IC	25-50W	25W

Reflector	
1155	Matte Black baffle
1155WH	Matte white Baffle
1163	Specular gold
1164	Specular clear

6¾" Pinhole



Vertical tilt: 45°

Frame-in lamping kit	Ceiling	MR16
1102P1	Non-IC	42-75W
1103R	Non-IC Existing	42-75W
1100DAICM	Deep AirSeal IC	35W
1100DICM	Deep IC	35W

Reflector	
1152	Pinhole w/Matte White Faceplate

See page 1.334 for slot aperture faceplate accessory.

* For nail version add "N" suffix.
**For nail version add "N" suffix.
For quick connects add "Q" suffix.
For nail & quick connects add "NQ" suffix.
Accepts Lytegems, see page 1.333.

Low voltage accent lighting brings impact, drama and function to restaurants, boutiques, galleries and retail settings.

Lytecaster compact fluorescent

Insulated ceiling frame-in kits

Lytecaster Performance Compact Fluorescent provides all the benefits of compact fluorescent lighting in spaces that require insulation. With its insulated ceiling design and AirSeal® compatibility out of the box, this frame is ideal for residential and hospitality settings.

Performance IC
3 ¾" new construction

2001F13ICU / 2001F13ICUN	13w Quad/Triple Tube G24q-1/ GX24q-1 Base
2001F18ICU / 2001F18ICUN	18w Triple Tube GX24q-2 Base

Cut out	3 15/16"
Width	10 3/8"
Length	12 3/4"
Depth	7 1/4"

Input power frame-in kit	Total watts	Amp (120/277V)
2001F13 Series	16W	0.13/0.06
2001F18 Series	19W	0.16/0.07

Performance IC
5" new construction

1001F13ICU / 1001F13ICUN	13w Quad/Triple Tube G24q-1/ GX24q-1 Base
1001F18ICU / 1001F18ICUN	18w Triple Tube GX24q-2 Base
1001F26ICU / 1001F26ICUN	26w Triple Tube GX24q-3 Base

Cut out	5 1/4"
Width	10 3/8"
Length	12 1/4"
Depth	7 1/4"

Input power frame-in kit	Total watts	Amp (120/277V)
1001F13 Series	16W	0.13/0.06
1001F18 Series	20W	0.17/0.08
1001F26 Series	29W	0.24/0.11

Performance IC
6 ¾" new construction

1101F18ICU / 1101F18ICUN	18w Quad/ Triple Tube
1101F26ICU / 1101F2642ICUN	26w Quad Tube – 26-42W Triple

Cut out	6 15/16"
Width	10 3/8"
Length	12 1/4"
Depth	7 1/4"

Input power frame-in kit	Total watts	Amp (120/277V)
1101F18 Series	20W	0.23/0.10
1101F2642 Series	29W	0.33/0.14 (26W)
	36W	0.40/0.17 (32W)
	46W	0.53/0.23 (42W)

Designed for new construction where insulation will come in direct contact. AirSeal® frame provides pivoting bar ends, pre-installed mounting screws (or nails) and tool-free cable clamps for non-metallic Romex® cable. Accommodates ceilings up to 1 1/2" thick, 3/8" deep integral lip. AirSeal® complies with MEC and WSEC.

Ballast: Mounted inside housing. 120V – 277V UL Listed Electronic Ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating.

Lytecaster compact fluorescent

Dimming frame-in kits

Dimming provides even more flexibility and performance. Electronic ballasts accurately reduce light output to match the consumers' needs. Dim lighting to comfortably watch television, host a dinner party or set appropriate light levels for different tasks. Dimming allows greater control, energy savings and exceptional performance.

Performance IC 5" new construction - dimming

26w Triple tube Gx24q-3 base

1001FDICMX1 / 1001FDICMX1N	Advance Mark10 26W (120v)
1001FDICMX2 / 1001FDICMX2N	Advance Mark10 26W (277v)

Cut out	5 1/4"
Width	10 3/8"
Length	12 1/4"
Depth	7 1/4"

Input power frame-in kit	**Total watts**	**Amp (120/277V)**
1001FDIC Series	31W	0.26 (120v) 0.11 (277v)

Designed for new construction where insulation will come in direct contact. AirSeal® frame provides pivoting bar ends, pre-installed mounting screws (or nails) and tool-free cable clamps for non-metallic Romex® cable. Accommodates ceilings up to 1 1/2" thick, 3/8" deep integral lip. AirSeal® complies with MEC and WSEC.

Ballast: Mounted inside housing. 120V – 277V UL Listed electronic ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating.

Performance IC 6¾" new construction - dimming

26w Triple tube Gx24q-3 base

1101FDICMX1 / 1101FDICMX1N	Advance Mark10 26-32W (120v)
1101FDICMX2 / 1101FDICMX2N	Advance Mark10 26-32W (277v)

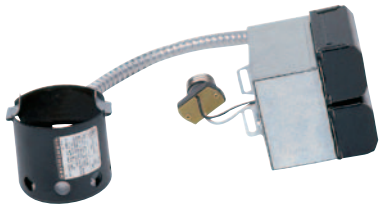
Cut out	6 15/16"
Width	10 3/8"
Length	12 1/4"
Depth	7 1/4"

Input power frame-in kit	**Total watts**	**Amp (120/277V)**
1101FDIC Series	31W 38W	0.26/0.11 (26w) 0.32/0.14 (32w)

Designed for new construction where insulation will come in direct contact. AirSeal® frame provides pivoting bar ends, pre-installed mounting screws (or nails) and tool-free cable clamps for non-metallic Romex® cable. Accommodates ceilings up to 1 1/2" thick, 3/8" deep integral lip. AirSeal® complies with MEC and WSEC.

Ballast: Mounted inside housing. 120V – 277V UL Listed electronic ballast, end of lamp life protection, class "P" thermally protected, class "A" sound rating.

Quad tube conversion kit (1 & 2-light)



	1 Lt. 1910XFH1 (120v HPF)	**2 Lt. 1910XDH1** (120v HPF)
Cut out (A)	5 3/8"	7"
Width (W)	3 1/4"	6 1/4"
Length (L)	4"	4"
Depth* (D)	6"–10 7/8"	6"–10 7/8"

Input Power frame-in kit	**Total watts**	**Amps**
1910XFH1	15.5	.14
1910XDH1	31	.28

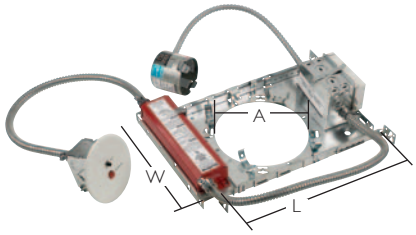
Converts select Lytecaster line voltage products to compact fluorescent (excludes Lytening and IC products). 1910XFH1 for use with one 13W 2-pin quad tube. 1910XDH1 uses two 13W 2-pin quad tube lamps. Compatible with 1000 series (F type only) and 1100 series reflector trims. Magnetic ballast.

Lytecaster compact fluorescent

Frame-in kits

Energy Star® was created to help consumers easily identify products, homes, and buildings that save energy and money, and help protect the environment. As the government-backed, trusted symbol for energy efficiency, the Energy Star® label identifies highly efficient products and designates superior energy performance in homes and buildings. Additional information is available at the Energy Star® web site www.energystar.gov.

Energy Star/Title 24 rated non-IC triple tube emergency (1-light)



The 1100FTUESEM series delivers high output in an energy smart package. Developed with an Energy Star / Title 24 rated Electronic ballast **(120v)**, the 1100FTUES series provides universal CFL lamping at 26 or 32 watts. Installs in ceilings up to 1" thick. Emergency option battery pack for dry locations provides 90 minute backup.

1100FTEUSEM (120V HPF; 26/32W)

Cut out (A)	6 13/16"
Width (W)	9"
Length (L)	12 15/16"
Depth* (D)	See specific reflector trim specifications

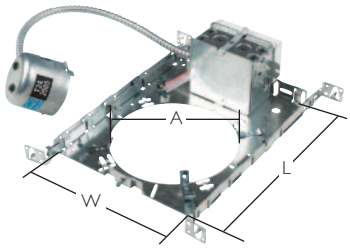
Input power

frame-in kit	Total watts	Amp (120V)
1100FTUESEM (26W)	29	.24
1100FTUESEM (32W)	36	.31

Minimum starting temperature for 26/32W triple tube is 0° F.

Housing accepts 120V Only

Energy Star/Title 24 rated non-IC triple tube (1-light)



The 1100FTUES delivers high output in an energy smart package. Developed with an Energy Star / Title 24 rated Electronic ballast **(120v)**, the 1100FTUES series provides universal CFL lamping at 26 or 32 watts. Installs in ceilings up to 1" thick.

1100FTUES (120V HPF; 26/32W)

Cut out (A)	6 13/16"
Width (W)	9"
Length (L)	12 15/16"
Depth* (D)	See specific reflector trim specifications

Input power

Frame-in kit	Total watts	Amp (120V)
1100FTUES (26W)	29	.24
1100FTUES (32W)	36	.31

Minimum starting temperature for 26/32W triple tube is 0° F.

Housing accepts 120V Only

Emergency lumen output

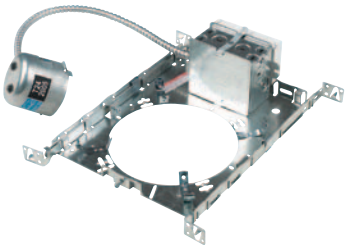
1100FT Series wattage	EM Lamp lumens	EM #
26	450	B94C EOL
32	575	B94C EOL

Philips Lightolier, an Energy Star® partner, is proud to offer our customers the following products with the Energy Star® qualified frame-in-kits.

Lytening CF is designed to provide superior performance by offering:

- Advance ballast technology
- Low THD (Total harmonic distortion)
- High power factor
- Superior lamp life (10,000 hrs on average)

Combine the ease of installation that Lytening is famous for and the wide variety of compatible trims offered to create the perfect lighting package for any application.



Lytecaster compact fluorescent

Frame-in kits

Lytening Energy Star® frames provide a cost effective and contractor friendly option for residential and light commercial energy efficient lighting. Available with over 30 trim options and lamping from 13w, 18w and 26w.

Energy Star/Title 24 rated Lyte⚡ning IC quad/triple tube (1 light)

New construction	Remodeler
1104F13ES	**1104F13ESR**
1104F18ES	**1104F18ESR**
1104F2632ES	**1104F2632ESR**
120v HPF	120v HPF
13/18/26-32W	13/18/26-32W

The 1104ES series delivers high output, easy installation and energy smart technology. Developed with an Energy Star® / Title 24 rated Electronic ballast (120v), this series provides CFL lamping at 13, 18 & 26 watts, 4-Pin. New construction is AirSeal rated and complies with MEC/ WSEC requirements.

Input power frame-in kit	Total watts	Amps
1104F13 Series	16.0	0.13
1104F18 Series	19.0	0.16
1104F2632 Series	27.0	0.23

New construction remodeler		
Cut out (A)	7"	7"
Width (W)	7 5/16"	7 5/16"
Length (L)	10 3/4"	13 1/8"
Depth* (D)	7 1/2"	7 1/2"

Minimum starting temperature for 2-Pin 13W quad tube is 32° F, 4-Pin 13, 18, 26W is 0°F.

Energy Star/Title 24 rated Lyte⚡ning IC quad/triple tube (1 light)

New construction	Remodeler
1004F13ES	**1004F13ESR**
1004F18ES	**1004F18ESR**
1004F26ES	**1004F26ESR**
120v HPF	120v HPF
13/18/26w	13/18/26w

The 1004ES series delivers high output, easy installation and energy smart technology. Developed with an Energy Star® / Title 24 rated Electronic ballast (120v), this series provides CFL lamping at 13, 18 & 26 watts, 4-Pin. New construction is AirSeal rated and complies with MEC/ WSEC requirements.

Input power frame-in kit	Total watts	Amps
1004F13 Series	16.0	0.13
1004F18 Series	19.0	0.16
1004F26 Series	27.0	0.23

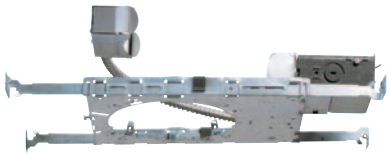
New construction remodeler		
Cut out (A)	5 3/8"	5 3/8"
Width (W)	5 3/4"	5 3/4"
Length (L)	9"	11 3/8"
Depth* (D)	7 1/2"	7 1/2"

Minimum starting temperature for 2-Pin 13W quad tube is 32° F, 4-Pin 13, 18, 26W is 0°F.

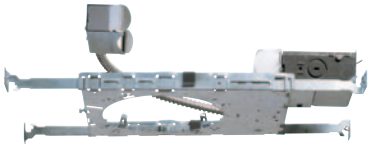
Lytecaster compact fluorescent

Frame-in kits

Low Profile downlights are designed for restricted plenum applications and are available with a broad range of open and enclosed reflector options. With a height of only 4", it is the most shallow commercial compact fluorescent product on the market. Reflectors are designed like existing standard height trims to provide added flexibility in areas where product has to be combined.



Low Profile non-IC quad tube (2-light)



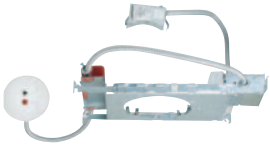
Low profile frame-in kit for two 13W, 18W or 26W (G24q-1,2,3/4-Pin base) quad tube lamps. Shallow 3 7/8" depth (with reflector trim) permits installation in shallow plenums. For use with low profile reflector trims only. Electronic 120V/277V HPF ballast with end of life circuit protection.

(120/277V HPF)	Elec. (13W) 1102T13U	Elec. (18W) 1102T18U	Elec. (26W) 1102T26U
Cut out (A)	6 13/16"	6 13/16"	6 13/16"
Width (W)	9"	9"	9"
Length (L)	15 11/16"	15 11/16"	15 11/16"
Depth* (D)	See specific reflector trim specifications		

Input power	Total watts	Amps (120/277V)
1102T13U	33	0.28/0.12
1102T18U	40	0.34/0.15
1102T26U	56	0.47/0.21

Minimum starting temperature for 13/18/26W quad tube is 0° F.

Low profile emergency non-IC (2-light)

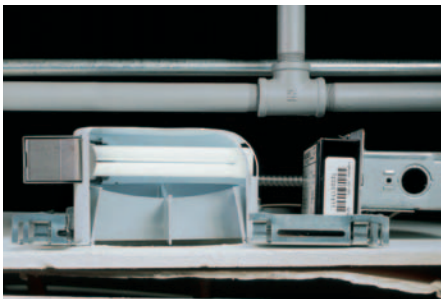


	Mag. (13W) Emergency Twin 1102TM1 1102TM2	Elec. (13W) Emergency Quad 1102T13UEM	Elec. (18W) Emergency Quad 1102T18UEM1	Elec. (26W) Emergency Quad 1102T26UEM
Cut out (A)	6 13/16"	6 13/16"	6 13/16"	6 13/16"
Width (W)	9"	9"	9"	9"
Length (L)	18 1/4"	18 1/4"	18 1/4"	18 1/4"
Depth* (D)	See specific reflector trim specifications			

For use with low profile reflector trims only. Emergency option battery pack provides 90-minute back-up. One lamp is illuminated during emergency operation. Contains inverter/ battery charger and a maintenance-free Ni-Cad battery. Test switch and indicator light are provided with 24" of flex. May be remote mounted.

Input power	Total watts	Amps (120/277V)
1102TM1	34.3	0.30
1102TM2	48.1	0.19
1102T13UEM	37	0.31/0.13
1102T18UEM	44	0.37/0.17
1102T26UEM	60	0.05/0.22

Minimum starting temperature for 13W twin tube is 32° F (0° F w/elec. ballast) dry locations only.



Lytecaster compact fluorescent

Frame-in kits

Low Profile downlights are designed for restricted plenum applications and are available with a broad range of open and enclosed reflector options. Also suitable for wall installations with selected reflectors (see pages 1.329–1.330 for all Low Profile Reflector Trims).

Low profile remodeler non-IC twin tube (2-light)

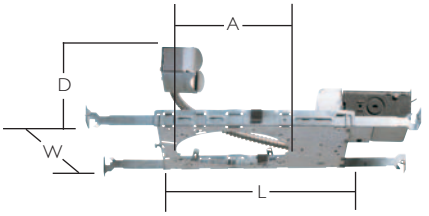
Energy-efficient 13W twin tube (GX23/2-Pin base) Remodelers tackle installations in plenums as shallow as 3 7/8". Works in ceilings up to 2" thick. Magnetic ballast, 120HPF.

(120v HPF)	**1102TH1R**
Cut out (A)	6 13/16"
Width (W)	6"-8"
Length (L)	8"
Depth* (D)	See specific reflector trim specifications

Input power	**Total watts**	**Amps**
1102TM1	31	.280

Minimum starting temperature for 13W twin tube is 32° F.

Low profile non-IC twin tube (2-light)



Low Profile Frame-in kit for two 13W twin tube lamps (GX23-2-Pin base). Shallow 3 7/8" depth (with reflector trim) permits installation in shallow plenums. For use with low profile reflector trims only. Magnetic ballast.

	Magnetic (13W)
	1102T1 (120v NPF)
	1102TH1 (120v HPF)
	1102TH2 (277v HPF)
Cut out (A)	6 13/16"
Width (W)	9"
Length (L)	15 11/16"
Depth* (D)	See specific reflector trim specifications

Input power	**Total watts**	**Amps**
1102T1	35	0.60
1102TH1	32	0.28
1102TH2	32	0.16

Minimum starting temperature for 13W Twin Tube is 32° F.

Frame-in kit options	**Lt.**	**6 3/4"**
Low profile Non-IC twin tube	2	1102T Series
Low Profile Emergency twin tube	2	1102TM1
Low profile non-ic quad tube	2	1102T13, T18 & T26 Series
Low profile remodeler twin tube	2	1102TH1R

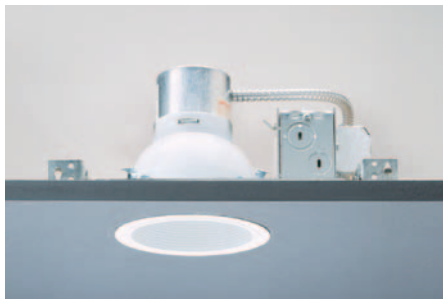
Emergency lumen output

1102T Series wattage	**EM Lamp lumens**	**EM #**
2X13 (Magnetic)	625	B413
2X13	425	B94C EOL
2X18	575	B94C EOL
2X26	700	B94C EOL

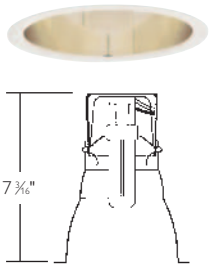
Lytecaster compact fluorescent

5" Reflector trims

Featuring one 13W Quad or 13-26W Triple Tube Lamp, these 5" downlights are designed to provide general lighting for low ambient residential and light commercial applications.



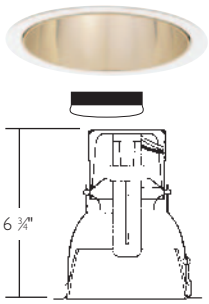
5" Deep anodized



Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple or quad
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple
1001F26 Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001FD26M Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Reflector	
1045	Specular gold
1046	Specular clear
1046CD	Clear diffuse

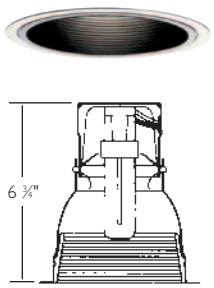
5" Aperture cone



Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple
1001F18 Series	18W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple

Reflector			
1008	Brushed gold	**1008NM**	Brushed gold, natural metal flange
1010	Brushed clear	**1010NM**	Brushed clear, natural metal flange
1012	Specular gold	**1012NM**	Specular gold, natural metal flange
1013	Specular clear	**1013NM**	Specular clear, natural metal flange
1013BK	Specular black	**1013BKNM**	Specular black, natural metal flange
1013CD	Clear diffuse	**1013CDNM**	Clear diffuse, natural metal flange
1013WH	Matte white		

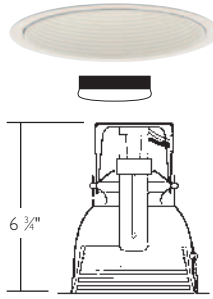
5" Basic baffle



Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple
1001F18 Series	18W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple

Reflector	
1076	Specular black
1076WH	Gloss white

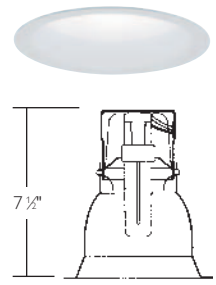
5" Step baffle



Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple
1001F18 Series	18W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple

Reflector	
1005	Matte black
1005WH	Matte white
1005NM	Matte black, natural metal flange
1005BNM	Natural metal baffle, natural metal flange

5" Basic white reflector



Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple
1001F18 Series	18W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple

Reflector	
1071	Perma White

Open

- Simple and economical, these downlights are well-suited for office corridors and back offices where large amounts of light are not needed.
- A complete selection of reflector trims are available. Simply compare the photometrics to find those best suited to your need.

Note: 13W quad tube lamp shown for reference only.

* = Series contains Energy Star® qualified frame-in kits

Accepts Lytegems, see page 1.333.

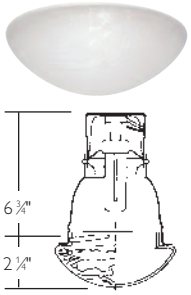
Lytecaster compact fluorescent

5" Reflector trims

These one-lamp enclosed downlights are designed for wet locations in both residential and commercial environments.

- Ideal for closets, bathrooms, showers and similar applications where an enclosed downlight is required.

5" Cratere dome

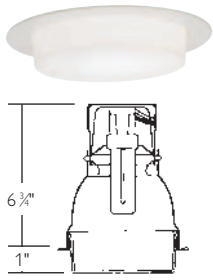


Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple or quad
1004F26 Series*	26W	(1) Triple or quad
1001F13U	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple
1001F26 Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001FD26M Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple
1001F26IC Series	26W	(1) Triple or quad
1001FDIC Series	26W	(1) Triple

Reflector

1024 Cratere Glass

5" Basic opalex

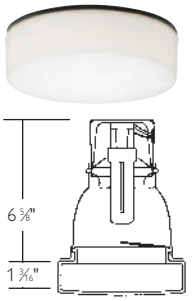


Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple or quad
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple or quad
1001F18 Series	18W	(1) Triple
1001F26 Series	26W	(1) Triple
1001FD26L Series	26W	(1) Triple
1001FD26M Series	26W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple
1001F26IC Series	26W	(1) Triple
1001FDIC Series	26W	(1) Triple

Reflector

1078 Lexan

5" Opal disk

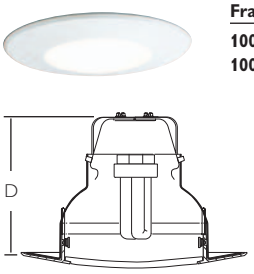


Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple or quad
1004F26 Series*	26W	(1) Triple or quad
1001F13U	13W	(1) Triple or quad

Reflector

1021 Opal Glass

5", 6 ¾" Basic flush

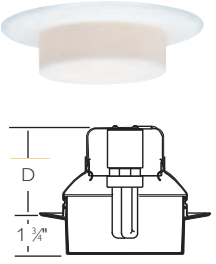


Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple
1004F18 Series*	18W	(1) Triple

Reflector

1177LX Glass

5", 6 ¾" Basic dropped



Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple

Reflector

1178LX Lexan

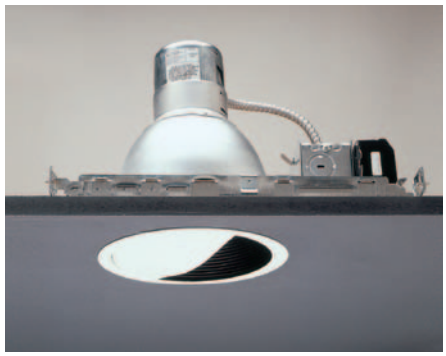
Note: 13W quad tube lamp shown for reference only.

* = Series contains Energy Star® qualified frame-in kits

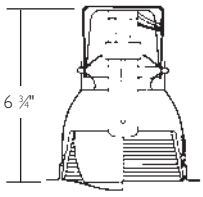
Lytecaster compact fluorescent

5" Wall washing trims

- Lytecaster 5" CFL Wall Washers feature one 13W Quad or 13-26W Triple Tube Lamp, and are ideally sized for ceilings 9 feet and under. These wall washers can be used to enhance the sense of spaciousness in smaller rooms



5" Step baffle wall washer



1x13W QT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	8	8	8	7	4	7
2'	11	11	11	8	7	8
3'	9	9	9	6	6	6
4'	6	6	6	4	4	4
5'	4	4	4	3	3	3
6'	3	3	3	2	2	2
7'	2	2	2	1	1	1
8'	1	1	1	1	1	1
9'	1	1	1	1	1	1

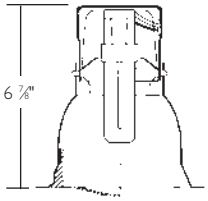
Note: Data based on a minimum of 5 units

Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple
1001F18 Series	18W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple

Reflector

1035	Matte black step baffle
1035WH	Matte white step baffle

5" Basic wall washer



1x13W QT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	6	5	6	5	3	5
2'	10	10	10	7	6	7
3'	8	8	8	6	5	6
4'	6	6	6	4	4	4
5'	4	4	4	3	3	3
6'	3	2	3	2	2	2
7'	2	2	2	1	1	1
8'	1	1	1	1	1	1
9'	1	1	1	1	1	1

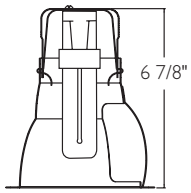
Note: Data based on a minimum of 5 units

Frame-in kit	Wattage	Lamping
1004F13 Series*	13W	(1) Triple or quad
1004F18 Series*	18W	(1) Triple
1004F26 Series*	26W	(1) Triple
1001F13U	13W	(1) Triple
1001F18 Series	18W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple

Reflector

1085	Gloss white

5" Open downlight wall washer



1x13W QT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	13	12	13	10	7	10
2'	17	17	17	13	10	13
3'	15	15	15	11	9	11
4'	11	11	11	8	7	8
5'	8	8	8	6	6	6
6'	6	6	6	4	4	4
7'	5	5	5	3	3	3
8'	4	4	4	3	3	3
9'	3	3	3	2	2	2

Note: Data based on a minimum of 5 units

Frame-in kit	Wattage	Lamping
1001F13U	13W	(1) Triple
1001F18 Series	18W	(1) Triple
1001F13IC Series	13W	(1) Triple
1001F18IC Series	18W	(1) Triple

Reflector

1095	Specular gold
1096	Specular clear
1096CD	Clear diffuse

Note: 13W quad tube lamp shown for reference only.

* = Series contains Energy Star® qualified frame-in kits

Lytecaster compact fluorescent

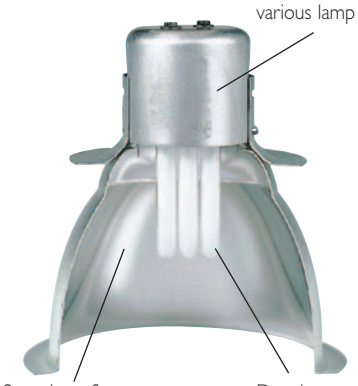
6¾" Reflector trims

For applications demanding higher light output, these Energy Smart 6¾" open downlights offer all the performance required in ceilings up to 12 feet.

6¾" Open

- Choose from one and two-light 13W quad tube units or one-light 13W, 18W, 26W or 32W Triple tube units.
- Triple tube lamps provide a powerful, compact source that delivers superior energy efficiency and a better distribution of light. They also produce better lumen output over a wider range of ambient temperatures than quad tube lamps.
- Deep anodized provides the highest output and best lamp shielding. Aperture cones offer improved glare control.

Deep anodized



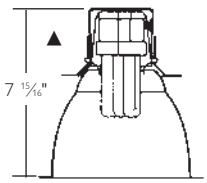
* = Series contains Energy Star® qualified frame-in kits

Accepts Lytegems, see page 1.333.

6¾" Deep anodized

Reflector

1145	Specular gold
1146	Specular clear
1146CD	Specular clear diffuse

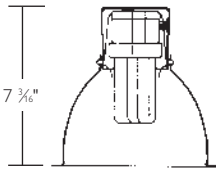


Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32/42W	(1) Triple
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple
1101FD2642M Series	26W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26W	(1) Triple
1101FDIC Series	26W	(1) Triple or quad
	32/42W	(1) Triple

6¾" Shallow anodized

Reflector

1143	Specular gold
1144	Specular clear
1144CD	Specular clear diffuse

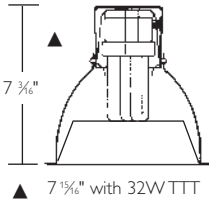


Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple
1101F18 Series	18W	(1) Triple
1101F2642 Series	26W	(1) Triple
1101FD26L Series	26W	(1) Triple
1101FD2642M Series	26W	(1) Triple
1101F18IC Series	18W	(1) Triple
1101F2642IC Series	26W	(1) Triple

6¾" Aperture cone

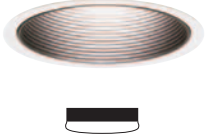
Reflector

1108	Brushed gold	**1108NM**	Brushed gold, natural metal flange
1110	Brushed clear	**1110NM**	Brushed clear, natural metal flange
1112	Specular gold	**1112NM**	Specular gold, natural metal flange
1113	Specular clear	**1113NM**	Specular clear, natural metal flange
1113BK	Specular black	**1113BKNM**	Specular black, natural metal flange
1113CD	Clear diffuse	**113CDNM**	Clear diffuse, natural metal flange
1113WH	Matte white		



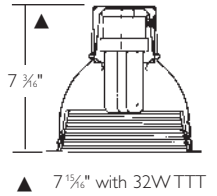
Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple or quad
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26W	(1) Triple
1101FD26L Series	26W	(1) Triple
1101FD32L Series	32W	(1) Triple
1101FD2642M Series	26W/32W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32W	(1) Triple
1101FDIC Series	26/32W	(1) Triple

6¾" Step baffle



Reflector

1105	Matte black
1105WH	Matte white
1105NM	Matte black, natural metal flange
1105BNM	Natural metal baffle, natural metal flange



Frame-in Kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple or quad
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26W	(1) Triple
1101FD26L Series	26W	(1) Triple
1101FD32L Series	32W	(1) Triple
1101FD2642M Series	26/32W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642IC Series	26/32W	(1) Triple
1101FDIC Series	26/32W	(1) Triple

Lytecaster compact fluorescent

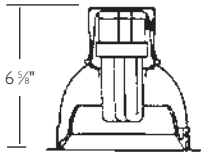
6¾" Reflector trims

White die-cast aluminum Cross Blade shields view of light source and provides a soft lighting effect that descallops the beam. Basic Baffle features a Perma White upper reflector and a phenolic baffle to reduce glare.

6¾" Basic white reflector

Reflector

1170M1 Gloss white

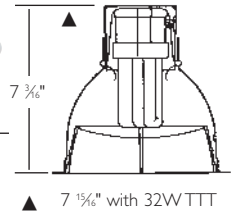


Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple
1104F2632 Series*	26/32W	(1) Triple

6¾" Cross blade

Reflector

1132 White



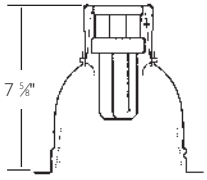
Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1101F18 Series	18W	(1) Triple
1101F18IC Series	18W	(1) Triple

6¾" Basic baffle

Reflector

1176 Black

1176WH Gloss white

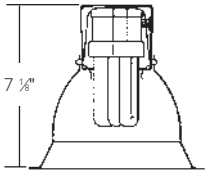


Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple or quad
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32W	(1) Triple
1101FD26L Series	26W	(1) Triple
1101FD32L Series	32W	(1) Triple
1101FD2642M Series	26/32W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642I Series	26/32W	(1) Triple
1101FDIC Series	26/32W	(1) Triple

6¾" Basic white reflector

Reflector

1171 Gloss white

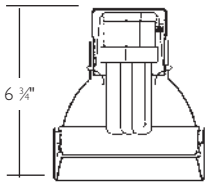


Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple or quad

6¾" White diffuser

Reflector

1128 White diffuser



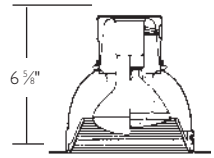
Frame-in kit	Wattage	Lamping
1100FT Series*	26W	(1) Triple
1104F13 Series*	13W	(1) Triple
1104F18 Series*	18W	(1) Triple

6¾" Basic baffle

Reflector

1179M1 Black baffle

1179WH Gloss white



Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple

* = Series contains Energy Star® qualified frame-in kits

Lytecaster compact fluorescent

6¾" Wet location trims

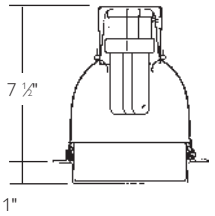
These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.

- Fresnel Lens provides the most concentrated light output while the White Diffuser effectively hides the light source.
- Basic Opalex is available with a choice of twist-off Flush and Dropped Lexan diffusers for durability and easy re-lamping.

6¾" Basic opalex – dropped

Reflector

1178SH Lexan

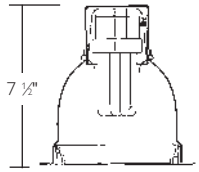


Frame-in kit	Wattage	Lamping
1100FT Series*	26W	(1) Triple
1100AICMFT	26W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple or quad
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple
1101FD2642M Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642I Series	26W	(1) Triple or quad
	32W	(1) Triple
1101FDIC Series	26W	(1) Triple or quad
	32W	(1) Triple

6¾" Basic opalex – flush

Reflector

1177SH Lexan

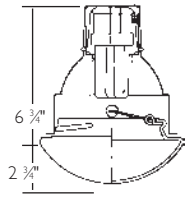


Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1100AICMFT	26W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26/32W	(1) Triple
1101FD26L Series	26W	(1) Triple
1101FD32L Series	32W	(1) Triple
1101FD2642M Series	26/32W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642I Series	26/32W	(1) Triple
1101FDIC Series	26/32W	(1) Triple

6¾" Opal dome

Reflector

1134 Opal glass

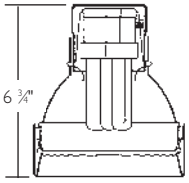


Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W**	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple or quad
1104F2632 Series*	26/32W	(1) Triple or quad
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple
1101F2642M Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642I Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101FDIC Series	26W	(1) Triple or quad
	32/42W	(1) Triple

6¾" Fresnel lenslite

Reflector

1126 Fresnel lens



Frame-in kit	Wattage	Lamping
1100FT Series*	26W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1) Triple
1104F2632 Series*	26/32W	(1) Triple

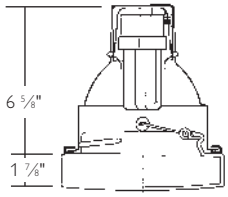
* = Series contains Energy Star® qualified frame-in kits

Lytecaster compact fluorescent

6¾" Wet location trims

These enclosed downlights bring light to food service areas, wet locations and other spaces where exposed light sources are prohibited or not desired. They are also an excellent solution for dirt-prone areas where a completely shielded light source is needed.

6¾" Opal disk

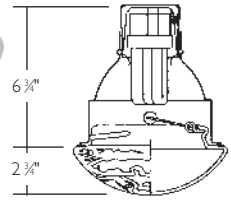


Reflector

1121 Opal glass

Frame-in kit	Wattage	Lamping
1101F18U Series	18w	Triple or quad
1101F2642U Series	26/32/42w	Triple or quad
1104F13 Series	13w	Triple or quad
1104F18 Series	18w	Triple or quad
1104F2632 Series	26/32w	Triple or quad
1100FTU Series	26/32w	Triple
1101F18ICU/N	18w	Triple or quad
1101F2642ICU	26/32/42w	Triple or quad
1101F2642IUN	26/32/42w	Triple or quad
1101FDICMX1/N	26/32w	Triple or quad
1101FDICMX2/N	26/32w	Triple or quad

6¾" Cratere dome

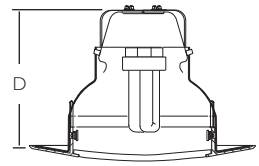


Reflector

1124 Cratere glass

Frame-in kit	Wattage	Lamping
1101F18U Series	18w	Triple or quad
1101F2642U Series	26/32/42w	Triple or quad
1104F13 Series	13w	Triple or quad
1104F18 Series	18w	Triple or quad
1104F2632 Series	26/32w	Triple or quad
1100FTU Series	26/32w	Triple
1101F18ICU/N	18w	Triple or quad
1101F2642ICU	26/32/42w	Triple or quad
1101F2642IUN	26/32/42w	Triple or quad
1101FDICMX1/N	26/32w	Triple or quad
1101FDICMX2/N	26/32w	Triple or quad

6¾" Basic flush

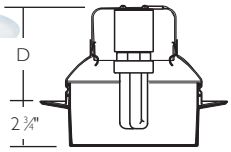


Reflector

1177LX Glass

Frame-in kit	Wattage	Lamping
1004F13 Series	13w	Triple
1004F18 Series	18w	Triple
1104F13 Series	13w	Triple
1104F18 Series	18w	Triple

6¾" Basic dropped



Reflector

1178LX Lexan

Frame-in kit	Wattage	Lamping
1004F13 Series	13w	Triple
1004F18 Series	18w	Triple
1104F13 Series	13w	Triple
1104F18 Series	18w	Triple

6¾" Decorative flat lens

Reflector

1190 Decorative glass

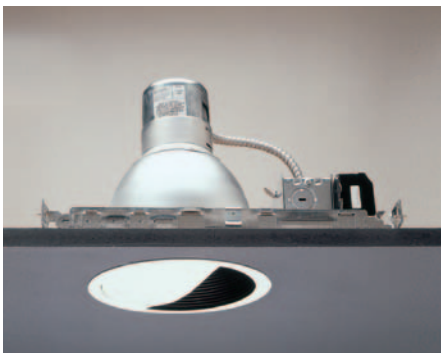
Frame-in kit	Wattage	Lamping
1101F18U Series	18w	Triple
1104F13 Series	13w	Triple or quad
1104F18 Series	18w	Triple
1104F2632 Series	26/32w	Triple
1101F18ICU/N	18w	Triple

Lytecaster compact fluorescent

6 ¾" Wall washing trims

6 ¾" Wall washers provide more output for commercial environments with higher ceilings such as hotel lobbies, corporate offices, retail settings and similar spaces.

- **6 3/4" Open downlight wall washer** is ideal for the most demanding light commercial wall washing applications. Largest aperture and highest wattage Triple Tube lamps deliver excellent performance and economy in higher ceiling applications. Open design matches 6 3/4" deep Specular® downlights (p. 55) and provides a general downlighting component.



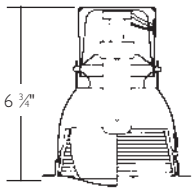
Wall washers

- **6 3/4" Wall washer** provides more output for commercial environments with higher ceilings such as hotel lobbies, corporate offices, retail settings and similar spaces.
- Accommodating the 32W Triple Tube lamp in both AirSeal® IC and Non-IC housings, Baffled Wall Washers provide superior long-term energy efficiency.

6 ¾" Basic wall washer

Reflector

1185	Perma white



1x13W QT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	8	8	8	7	4	7
2'	11	11	11	8	7	8
3'	9	9	9	6	6	6
4'	6	6	6	4	4	4
5'	4	4	4	3	3	3
6'	3	3	3	2	2	2
7'	2	2	2	1	1	1
8'	1	1	1	1	1	1
9'	1	1	1	1	1	1

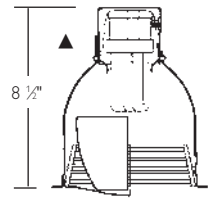
Note: Data based on a minimum of 5 units

Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1104F13 Series*	13W	(1) Triple or quad
1104F18 Series*	18W	(1 Triple or quad
1104F2632 Series*	26/32W	(1) Triple

6 ¾" Step baffle wall washer

Reflector

1135	Matte black step baffle
1135WH	Matte white step baffle



▲ 9 ¼" in upper socket cup position.

1x13W TTT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	52	50	52	40	29	40
2'	57	55	57	41	35	41
3'	41	41	41	29	26	29
4'	27	27	27	19	18	19
5'	16	16	16	13	13	13
6'	12	12	12	8	8	9
7'	8	8	8	6	6	6
8'	5	5	5	4	4	4
9'	4	4	4	3	3	3

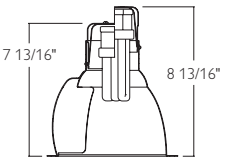
Note: Data based on a minimum of 5 units

Frame-in kit	Wattages	Lamping
1100FT Series	26/32W	(1) Triple or quad
1101F18 Series	18W	(1) Triple or quad
1101F2642 Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple
1101FD2642M Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
1101F2642I Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101FDIC Series	26W	(1) Triple or quad
	32/42W	(1) Triple

6 ¾" Open downlight wall washer

Reflector

1195	Specular gold
1196	Specular clear
1196CD	Clear diffuse



1x13W TTT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	48	46	48	36	28	36
2'	54	51	54	39	31	39
3'	43	43	43	29	29	29
4'	31	32	31	21	22	21
5'	22	23	22	15	16	15
6'	16	16	16	12	12	12
7'	12	12	12	9	9	9
8'	9	9	9	7	7	7
9'	7	7	7	6	6	6

Note: Data based on a minimum of 5 units

Frame-in kit	Wattage	Lamping
1100FT Series*	26/32W	(1) Triple
1101F18 Series	188W	(1) Triple or quad
1101F2642 Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101FD26L Series	26W	(1) Triple or quad
1101FD32L Series	32W	(1) Triple
1101FD2642 Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101F18IC Series	18W	(1) Triple or quad
11012642I Series	26W	(1) Triple or quad
	32/42W	(1) Triple
1101FDIC Series	26W	(1) Triple or quad
	32/42W	(1) Triple

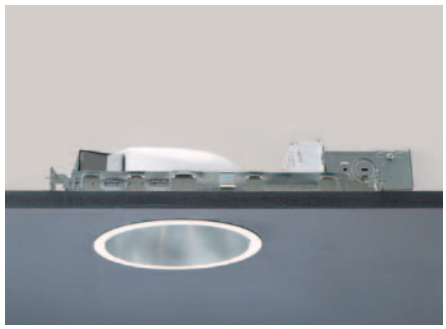
* = Series contains Energy Star® Qualified Frame-in Kits

Lytecaster compact fluorescent

6¾" Low profile trims

The 1102T series Compact Fluorescent Frame-in Kits offer the widest selection of commercial lamp and ballast options in the shallowest recessed design available today.

- Features an extensive selection of high performance open reflector trims and enclosed, wet location diffusers to provide solutions to the most demanding lighting challenges.
- Choose from 13W Twin Tube with magnetic ballast or 13W, 18W and 26W Quad Tube fixtures equipped with flicker-free, energy-efficient electronic ballasts.



6¾" Low profile anodized cone

Reflector

1113TGD Specular gold
1113TCL Specular clear
1113TWH Gloss white

For white diffuser order 1913T

2 x 13W TT Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	14	10'
10'	8	14'
12'	5	17'
Multiple units /S.R.=1.5		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	62	47
6'	28	21
8'	15	12

2 x 26W QT Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	23	13'
10'	12	18'
12'	8	23'
Multiple units /S.R.=1.5		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	101	77
6'	45	34
8'	25	19

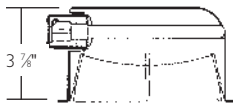
Frame-in kit	Lamping
1102T Series	2 x 13 Twin
1102T13 Series	2 x 13 Quad
1102T18 Series	2 x 18 Quad
1102T26 Series	2 x 26 Quad

For more detail see frame-in kit chart on pages 1.319–1.320.

6¾" Low profile cross blade

Reflector

1132T White
* Suitable for wall mounting.



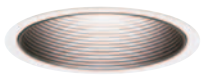
2 x 13W TT Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	14	8'
9'	10	9'
10'	8	11'
Multiple units /S.R.=1.0		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	42	33
6'	19	14
8'	10	8

2 x 26W QT Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	22	9'
10'	12	13'
12'	7	16'
Multiple units /S.R.=1.0		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	74	54
6'	33	24
8'	19	14

Frame-in kit	Lamping
1102T Series	2 x 13 Twin*
1102T13 Series	2 x 13 Quad
1102T18 Series	2 x 18 Quad
1102T26 Series	2 x 26 Quad

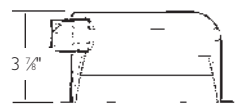
For more detail see frame-in kit chart on pages 1.319–1.320.

6¾" Low profile step baffle



Reflector

1105T Matte Black
1105TWH Matte white
* Suitable for wall mounting.



2 x 13W TT Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	12	10'
9'	8	12'
10'	6	14'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	38	30
6'	17	14
8'	10	8

2 x 26W QT Single Unit		
Ht. to Floor	F.C. at 30" above floor	Beam Dia.
8'	17	11'
10'	9	15'
12'	6	19'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles Lrg. Room	Sml. Room
4'	63	50
6'	28	22
8'	16	12

Frame-in kit	Lamping
1102T Series	2 x 13 Twin*
1102T13 Series	2 x 13 Quad
1102T18 Series	2 x 18 Quad
1102T26 Series	2 x 26 Quad

For more detail see frame-in kit chart on pages 1.319–1.320.

6¾" Low profile step baffle wall washer

Reflector

1135T Matte black step baffle
1135TWH Matte white step baffle

Frame-in kit
Lamping

1102T Series
2 x 13 Twin
1102T13 Series
2 x 13 Quad
1102T18 Series
2 x 18 Quad
1102T26 Series
2 x 26 Quad

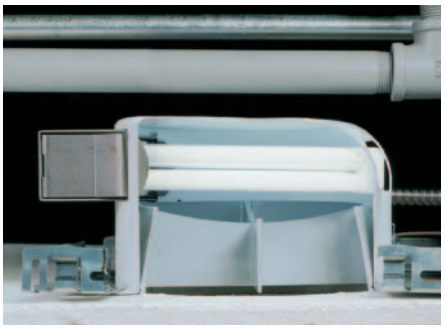
For more detail see frame-in kit chart on pages 1.319–1.320.

2x13W TT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	27	27	27	19	16	19
2'	22	22	22	16	14	16
3'	17	17	17	11	11	11
4'	12	12	12	8	9	8
5'	9	9	9	6	6	6
6'	6	6	6	5	5	5
7'	4	4	4	3	3	3
8'	3	3	3	3	3	3
9"	2	2	2	2	2	2

2x26W TT	Footcandles on wall					
	2'			3'		
Distance from ceiling 1'	55	53	55	41	31	41
2'	43	45	43	30	29	30
3'	31	32	31	21	22	21
4'	21	22	21	15	15	15
5'	15	15	15	10	11	10
6'	11	11	11	8	8	8
7'	8	8	8	6	6	6
8'	6	6	6	5	5	5
9"	5	5	5	4	4	4

Note: Data based on a minimum of 5 units

Accepts Lytegems, see page 1.333.



Lytecaster compact fluorescent

6¾" Low-profile enclosed wet location trims

The ultra-shallow 3 7/8" depth of the 1102T series allows it to be used where other CFL fixtures won't fit. Perfect for use inside shallow plenums, under sprinkler lines, beneath HVAC ducts and between 2 x 4 steel studs.

6¾" Low profile fresnel lenslite

Reflector

1126T Fresnel lens

Suitable for wet location and for wall mount* in damp location.

2 x 18W TT Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	12	10'
9'	6	14'
10'	4	17'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles	
	Lrg. Room	Sml. Room
4'	44	33
6'	19	15
8'	11	8

2 x 26W QT Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	17	10'
10'	9	14'
12'	6	18'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles	
	Lrg. Room	Sml. Room
4'	63	47
6'	28	21
8'	16	12

Frame-in kit	Lamping
1102T Series	2 x 13 Twin*
1102T13 Series	2 x 13 Quad
1102T18 Series	2 x 18 Quad
1102T26 Series	2 x 26 Quad

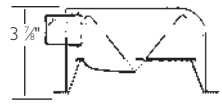
For more detail see frame-in kit chart on pages 1.319–1.320.

6¾" Low profile white diffuser

Reflector

1128T White

Suitable for wet location and for wall mount in damp location.



2 x 18W TT Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	7	13'
9'	4	18'
10'	2	23'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles	
	Lrg. Room	Sml. Room
4'	30	22
6'	13	10
8'	7	6

2 x 26W QT Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	10	13'
10'	5	18'
12'	3	23'
Multiple units /S.R.=1.2		
Ctr. to Ctr.	Footcandles	
	Lrg. Room	Sml. Room
4'	43	32
6'	19	14
8'	11	8

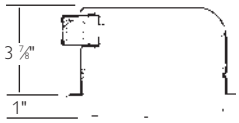
Frame-in kit	Lamping
1102T Series	2 x 13 Twin
1102T13 Series	2 x 13 Quad
1102T18 Series	2 x 18 Quad
1102T26 Series	2 x 26 Quad

For more detail see frame-in kit chart on pages 1.319–1.320.

6¾" Low profile basic opalex

Reflector

1178T Lexan® diffuser



2 x 18W TT Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	4	24'
9'	2	32'
10'	1	41'
Multiple units /S.R.=1.3		
Ctr. to Ctr.	Footcandles	
	Lrg. Room	Sml. Room
4'	30	20
6'	13	9
8'	7	5

2 x 26W QT Single Unit		
Ht. to Floor	F.C.	Beam Dia.
	at 30" above floor	
8'	6	24'
10'	3	32'
12'	2	41'
Multiple units /S.R.=1.3		
Ctr. to Ctr.	Footcandles	
	Lrg. Room	Sml. Room
4'	43	29
6'	19	13
8'	11	7

Frame-in kit	Lamping
1102T Series	2 x 13 Twin
1102T13 Series	2 x 13 Quad
1102T18 Series	2 x 18 Quad
1102T26 Series	2 x 26 Quad

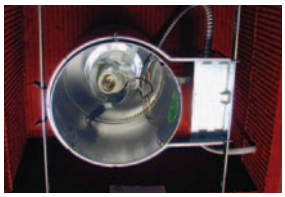
FireLine

Fire rated enclosure

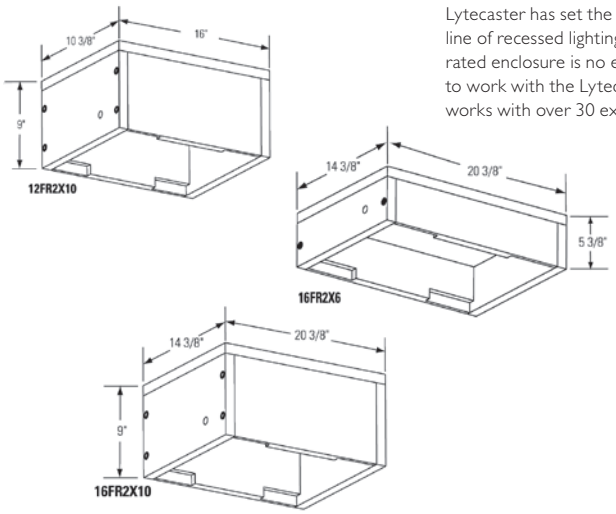
The first line of defense in fire rated recessed lighting, Philips Lightolier presents the single most flexible and effective solution to increase the fire resistance of recessed downlighting applications. Designed with the distributor, contractor and inspector in mind, FireLine provides a UL® Classified enclosure that is easy to install, flexible and cost effective in maintaining the one-hour fire rating of L500 ceiling assemblies where recessed lighting is used. Designed in cooperation with Albi Manufacturing®, a 40 year leader in the fireproofing industry.

Unique design

Constructed of Albi DriClad®, this industry accepted material provides a one-hour UL® classification for L500 series floor / ceiling assemblies. The enclosure helps to prevent the spread of heat and flames into the ceiling space, providing additional time for residents to evacuate. Unlike other material used in fire resistant products, FireLine is designed for exposure to extreme temperatures and will provide consistent and long-term protection when exposed to the heat given off by lighting products. Available in three sizes, FireLine is designed to fit the most popular types of residential construction and is ideal for single and multi-family dwellings, hospitality and assisted living environments.



Unsurpassed flexibility



Lytecaster has set the trend with the most extensive line of recessed lighting in the industry. The FireLine fire rated enclosure is no exception. Specifically designed to work with the Lytecaster line of products, FireLine works with over 30 existing Frame-in Kits and all their compatible trims. This provides you with hundreds of downlighting options for you and your customers. Why stock additional Frame-in kit SKUs or sacrifice style and quality when you can use the recessed downlight line you have come to know and trust... Lytecaster.

Installation

This lightweight material weighs a fraction of what other fire resistant products weigh. Simply lift FireLine into the joist space and use the mounting hardware provided to install. Once in the ceiling, the Frame-in-Kit can be installed without any additional hardware or modifications.

Designed specifically to fit in most standard types of construction, FireLine provides more flexibility than any other fire rated product by offering a 16" on center **(16FR2X10)** and 12" on center **(12FR2X10)** 2x10 construction.

Restricted or obstructed ceiling space... FireLine is also available in a shallow 16" on center **(16FR2X16)** version for installation in plenums as shallow as 2x6 construction or where obstructions may cause height restrictions.

Code

Philips Lightolier FireLine, colored the familiar Philips Lightolier red, serves as an easy-to-recognize indicator for inspectors that you have installed a UL® classified product that provides a one-hour fire rating and the knowledge that it is the quality product they have come to know with Philips Lightolier. Additional information can be obtained from the UL label included on the box or from the UL website under this UL Certification Fire Resistive Assemblies and Systems page.

Value

FireLine saves time and money by eliminating the need to construct a separate fire rated enclosure.

- Eliminates the need for additional contractors to build an enclosure
- Eliminates scheduling issues trying to coordinate contractors to build and install.
- Eliminates the need for inspectors to inspect each individual box for compliance.

Winner of EC&M Magazine 2004 Product of the Year Competition. FireLine was a winner in 2004 for their introduction in the "Boxes & Enclosure" category of the competition. FireLine was chosen from a record number of entries.

We take pride in our relationship with the Underwriter Laboratories. FireLine was developed based on the Classifications listed in the Fire Resistive Assemblies and Systems portion of the UL Directory pertaining to the test method and acceptance criteria in ANSI/UL 263 (ASTM E119 and NFPA 251), "Fire Tests of Building Construction and Materials."

Our UL listing (UL File R21187) not only ensures a quality product for our customers but also provides inspectors with the security and convenience they need.

FireLine

Fire rated enclosure

Product compatibility

The following grid outlines the Lytecaster products compatible for use with the FireLine Fire Rated Enclosure.

FireLine cat. no.	Use with frame-in kit		Use with reflector trim	Lamping options
12FR2X10	**Line voltage**			
	1004IC* 1104IC*		Compatible with all trims rated for these frame-in kits	Compatible with all IC lamping options for the associated trims
	2000IC 2000AIC		Compatible with all trims rated for these frame-in kits	Compatible with all IC lamping options for the associated trims
	LED			
	1050LRN LED Series 1050LSQ LED Series 1050RN Series 1050SQ Series			
16FR2X10	**Line voltage**			
	1004IC 1104IC		Compatible with all trims rated for these frame-in kits	Compatible with all IC lamping options for the associated trims
	2000IC 2000AIC 1000IC 1000AICM 1004ICX	1100IC 1100AICM 1104ICX 1100P1	Compatible with all trims rated for these frame-in kits	Compatible with all lamping options for the associated trims
	Fluorescent			
	1004F Series 1104F Series 1102T13U 1102T18U 1102T26U	2001F IC Series 1001F IC Series 1101F IC Series	Compatible with all trims rated for these frame-in kits	Compatible with all lamping options for the associated trims
	Low voltage			
	2000LVNT 2000AICV	1000ICV	Compatible with all trims rated for these frame-in kits	Compatible with all lamping options for the associated trims
	LED			
	1050LRN LED Series 1050LSQ LED Series 1050RN Series 1050SQ Series			
16FR2X6	**Fluorescent**			
	1102T1 1102TH1 1102TH1	1102T13U 1102T18U	Compatible with all trims rated for these frame-in kits	Compatible with all lamping options for the associated trims
	LED			
	1050LRN LED Series 1050LSQ LED Series 1050RN Series 1050SQ Series			

* Mounting bars need to be modified for proper fit.

Lytegems

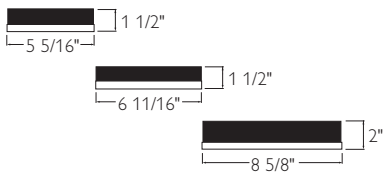
The bold appearance of the Beveled Glass and Glass Collar decorative accessories provide a strong architectural statement. Used alone or in multiples these clean modern designs add an elegant glow at the ceiling line to create an intriguing visual focal point. Additionally Lytecaster's new Bed Molding Lytegems in round and square styles help to create a built-in appearance that will enhance classic architectural detail.

Beveled glass

A thick, double-tapered ring of glass floats elegantly off the ceiling. Well suited for use in multiples. Choose from clear glass that has been etched or striking solid cobalt blue.

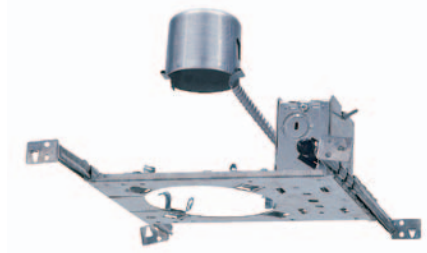
Finish	w/2000	w/1000
Clear etched	**1304**	**1404**
Cobalt blue	**1305**	**1405**

Glass collar



Etched glass wraps around a black die-cast mounting collar and glows softly. A simple design that works especially well in multiples. Minimum extension from the ceiling and distortion of the light beam.

Finish	w/2000	w/1000	w/1100
Clear Etched	**1302**	**1402**	**1502**



1. Frame-in kit

2. Reflector trim

3. Lytegem

Lytegems are compatible with those reflector trims that have removable cones or baffles and with most Lytecaster frame-in kits. All reflectors listed with this symbol can be used with Lytegems. The specular clear and satin clear cones will give the best effect because they deliver the most light. Other finishes may be used as desired.

Accepts Lytegems, see page 1.333.

Accessories

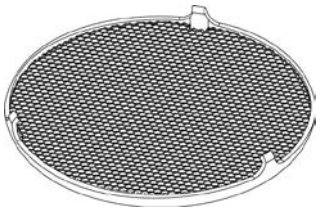
Replacement thermal protectors

Frame-in kit	Part#	Order/pulse#
1004ICV	LH-1209K	921250
1104ICX	LH-3332A	932244
1004IC, 1004ICR, 1004SIC, 1004SICR, 1104IC	LH-3334	929895
1004ICX	LH-3334B	932301
2004ICV	MI-5481C	931759
1102P1, 1002P1, 1003R, 2000LV, 2000LVR, 2002P1, 2003R	SK-3075	916970

Frame-in kit	Part#	Order/pulse#
1000LVNT, 2000LVNT	LH-1209K	921250
1000P1, 1100P1	SK-3101	923096
1000AICM, 1000IC, 1000ICV, 1100AICM, 1100DAICM	MI-7400	898640
1000LV, 1000LVR	SK-3104	917117
2000AIC, 2000AICV, 2000IC, 2000P1	SK-3113	925696
1700P1	SK-3114	926417

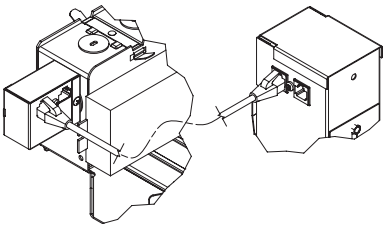
Note: Please refer to part# and pulse# when ordering.

L56WWLENS



Diffusing lens designed for the Lytecaster LED series of frames. Provides additional diffusion of LED source to allow even illumination of vertical surfaces.

Daylight harvesting kit



Expand your energy saving options with the inclusion of daylight harvesting. 3-part system can daisy chain any 0-10v dimming product in 10' increments

DHMI: CAT5 J-Box adapter
UL2F-EZR: Daylight Sensor
39-30256-000 CSP: CAT5 cable

Medium base socket extender

1968
For 50W and 75W short neck PAR30 lamps only. Limited compatibility (see individual reflector trim data). Adds 1 1/4".

Slot aperture faceplate

Conversion faceplates for Lytecaster MR16 low voltage Pinhole reflectors (1000 and 1100 Series). Matte white finish.

1452
For 1052LV Pinhole

1552
For 1152 Pinhole

Mounting bars

1964*
20" mounting bar extenders. Set of 2. For 2000, 1000 Series.

1966*
Standard length (13") mounting bars. Set of 4. For 2000, 1000 Series (Except IC).

1976*
13" replacement bars. Set of 4. For Series 1100 and IC frame-in kits.

1977
Lyte⚡ning mounting bars.

*Not for use with Lyte⚡ning Frame-in Kits.

Accessories

Accessory cones

Replacement cones for Lytecaster reflectors (not for use with basic reflectors, Eyeballs and shallow specular reflectors, pinholes and slots). To order finishes other than matte black step baffle, add finish designations after catalog number (for example 1350CL for specular clear, 2000 Series).

	Finish	Comp. Refl.
1350	Matte Black Step Baffle	2000 Series
1350	CL, GD, BK, BA, BG, WH, WHB, CD	2000 Series
1450	Matte Black Step Baffle	1000 Series
1450	CL, GD, BK, BA, BG, WH, WHB, CD	1000 Series
1550	Matte Black Step Baffle	1100 Series
1550	CL, GD, BK, BA, BG, WH, WHB, CD	1100 Series

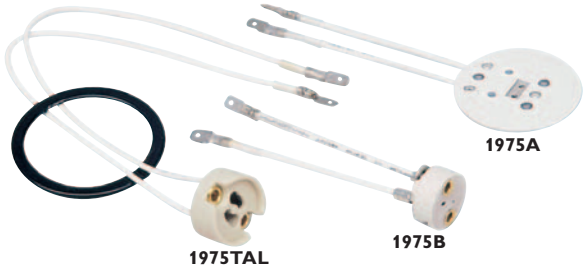
CL	Specular clear
GD	Specular gold
BK	Specular black
BA	Brushed clear
BG	Brushed gold
WH	Matte white
WHB	Matte white baffle
CD	Clear diffuse

Lytecaster hole saw

HC356
Dedicated hole saw reduces installation time. Completely adjustable cutter comes with Lytecaster template to take out guess work. Place cutting elements in the holes labeled for the frame you are using and tighten...you're ready to cut. Durable dust shield eliminates clean-up even when remodeling. Comes with additional drill bits, extra cutting elements and contractor pencil all housed in a convenient, durable plastic case.

HC356BLADE
Replacement hole saw blade

MR16 Socket replacement

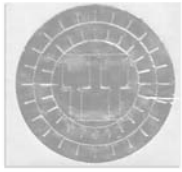


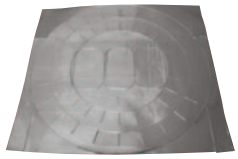
1975B
For series 2000LV frame-in kits and 1052LV trim.

1975A
For series 1000LV frame-in kits and trims 1152, 1161.

1975TAL
For GE Turn and lock lamps.

Lytening AirSeal® gasket kit





LAS56
Converts Lytening housings* 1104IC, 1004IC, 1004SIC, 1104FI to comply with Model Energy Code and Washington State Energy Code air leakage requirements.

LAS56R
Converts Lytening remodeler housings* 1104ICR, 1004ICR, 1004SICR, 1104FIR to comply with Model Energy Code and Washington State Energy Code air leakage requirements.

*Use with Lytening new construction housings (1104IC, 1004IC, 1104SIC, 1004SIC, 1104FI) only if factory installed tape or knockouts have been removed.

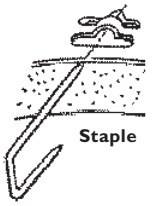
Accessories

T-Bar ceiling clips

1956
For use with series 2000, 1000 and 1102HF.*

*All other 1100 Series and Lytening frame-in kits mounting bars have integral T-bar tab. Position notched area of mounting bar on top of T-bar and lock by bending tab underneath T-bar bead. Mounting bars permit frame to be positioned off-center between 24" joists.

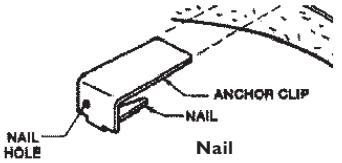
Staples & nails



Anchors 1000+1100 series frame-in kits when used as a remodeler (See instruction sheet for application and further information)

Order quantity of 1 per fixture (will receive pack of 4)

1985S
1100 Series



1985N
1000 Series

Plaster ceiling ring

Fits all frame-in kits except Non-IC remodelers. Full 7/8" deep. Installed after mounting frame, before plastering ceiling.

1959 Series 2000 (Not for 2000AICV)
1960 Series 1000
1961 Series 1100 (Not for Lytening or 1100DAICM)

Extra wide flange trim ring

Matte white finish

1954
For 1100 series reflector trims (except 1126-1128, 1170-1199) – O.D. 8 5/8" I.D. 6 3/4.

1957
For series 1000 reflector trims – O.D. 7" I.D.5 (except 1071, 1082, 1085, 1076).

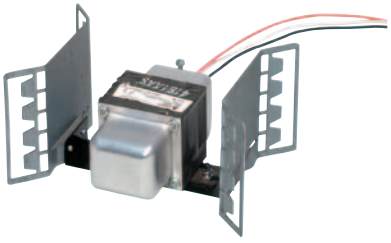
MR16 Remote transformer

8608
75W Max.

8609
225W Max.

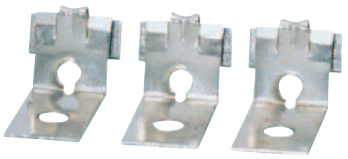
MR16 Remote transformer
LVNT Frame-in kits may be installed in new ceilings up to 1" thick. Philips Lightolier remote transformers 8608 (75W) and 8609 (225W) are fused and suitable for recessed installation.

277V Operation remote step-down transformer



7997
Supplies 120v fixture from a 277v branch circuit (20 amp. minimum). Can be used for multiple fixtures (not to exceed 300W maximum load).

Retaining clips



1955
For installation in existing ceilings. Box of 100. For Series 2000, 1000, 1100 (except Basic reflectors, Deep and shallow specular reflectors). 1 1/4" maximum ceiling thickness.

Reference data

Accent lighting

Use individual fixtures in small areas or to create focal pools of light. (Section E)

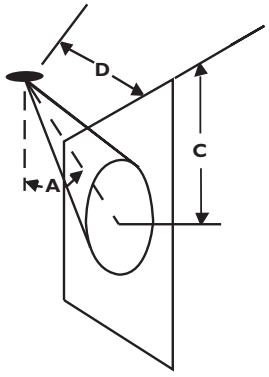
For the best viewing of pictures locate accent lights so that their beams are aimed 30° from vertical (Section G). Three-dimensional objects stand out best when cross-lighted from two accent lights.

Size the beam to the object(s) being highlighted and illuminate them up to three times the general level.

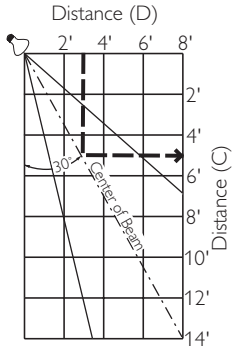
G Accent lighting/beam center location

The charts locate the distance (C) to the center of the light beam for various mounting distances (D) and for aiming angles 30° and 45° from vertical. 30° from vertical is the preferred aiming angle for lighting pictures on a wall.

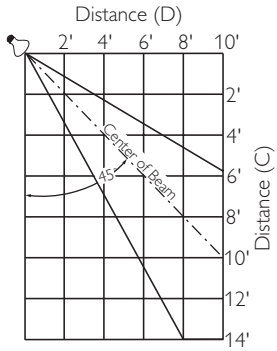
Example: When an accent light is located 3' from a wall and aimed 30° from vertical, the center of the light beam will be about 5' down from the ceiling.



30° Aiming angle



45° Aiming angle



Lamp data

Watts	Bulb	Rated lumens (initial)	Rated life (hours)
General service line voltage lamps			
40W	A19	465	1500
60W	A19	850	1000
75W	A19	1190	750
100W	A19	1690	750
150W	A21	2850	750
Projector (PAR) halogen lamps			
60W	PAR16	650	2000
75W	PAR16	900	2000
35W	PAR20	360	2500
50W	PAR20	550	2500
50W	PAR30	660	2500
75W	PAR30	1130	2500
45W	PAR38	560	2500
60W	PAR38	850	3000
90W	PAR38	1310	2500
100W HIR	PAR38	2070	3000
120W	PAR38	1800	3000
250W	PAR38	3600	4500
Low voltage projector lamps			
MR16	(See page 1.268)		
Reflector (BR) lamps			
65W	BR30	715	2000
85W	BR30	925	2000
65W	BR40	685	2000
85W	BR40	925	2000
120W	BR40	1150	2000
Compact fluorescent lamps			
13W	Twin Tube 2-Pin (GX23)	900	10,000
13W	Quad Tube 2-Pin (GX23-2)	860	10,000
13W	Quad Tube 4-Pin (G24q-1)	1250	10,000
18W	Quad Tube 4-Pin (G24q-2)	1250	10,000
26W	Quad Tube 4-Pin (G24q-3)	1800	10,000
26W	Triple Tube 4-Pin (GX24q-3)	1800	10,000
32W	Triple Tube 4-Pin (GX24q-3)	2400	10,000
Metal halide lamps (open fixture type)			
70W (Coated)	ED17/Med.	5400	16,000
100W (Coated)	ED17/Med.	7900	16,000
70W	PAR38/Med.	3400	8,500
100W	PAR38/Med.	5800	8,500

The shape of a bulb is indicated by one or more letters such as A, R, PAR, etc. The size is given by a number which expresses the diameter in eighths of an inch. Thus, a BR40 bulb is of the BR shape, 40 eighths (40/8) or 5" in diameter. Lamp data shown is typical. Contact lamp manufacturer for specific data.

Lighting applications

Lytecaster offers over 175 different trim combinations. These icons are provided as a visual guide to assist you in determining the best product choice for your lighting needs.

General illumination

General illumination provides overall illumination and defines a space. Good general lighting should be evenly distributed across the space and provide a glare-free light source. Available in 3¾", 5" and 6¾" sizes with line voltage, low voltage and compact fluorescent light sources.

These include

Anodized reflectors
Aperture cones
Baffles
Cross blades
Pinholes
Baffles
Sloped ceiling

Wall washing

Wall washing provides a smooth, even illumination over the length and height of a wall surface. It is an ideal way to enhance the sense of spaciousness in a room. Wall washing can also be used to highlight specific areas, selected materials, or artwork. Available in 3¾", 5" and 6¾" sizes with line voltage and compact fluorescent light sources.

These include

Open wall wash
Step baffle eyelid
Basic white eyelid

Accent lighting

Accent lighting provides dramatic interest in a space by drawing attention to selected objects and surfaces such as artwork, place settings and niche areas. It is typically achieved with adjustable downlights whose beams can be carefully aimed. Available in 3¾", 5" and 6¾" line voltage and low voltage light sources.

These include

Recessed adjustables
Mini swivels
Eyeballs
Elbows
Pinholes
Slots

Wet location

Wet Location provides overall illumination in locations where the light source may come into direct contact with water. Available in 3¾", 5" and 6¾" sizes with line voltage, low voltage and compact fluorescent light sources.

These include

Decorative domes
Lensed downlights
Plastic diffusers
Open wet location

Putting Lytecaster to work

The following guidelines provide valuable information on the effective use of Lytecaster.

General lighting

A simple layout of downlights follows five basic steps:

1. Determine the level of illumination, in footcandles, depending on the usage of the space. (Section A)
2. Select the light source based on efficiency, lamp life, color and dimming ability. Be sure to consider Energy Smart®, long-life compact fluorescent and HID sources.
3. Select the downlight, based on light source, size and finish.
4. Use Light Loss Factors (Section B) to ensure adequate maintained footcandles. (Maintained Footcandles = Initial Footcandles x LLF)
5. Determine downlight spacing from the chart. (Section C) When the layout is pre-determined by the space, use footcandle charts to find the lighting level. When maximum spacing is desired (in a hallway, for example) use the Spacing Ratio (Section D) to assure even lighting.

Example: (1113) 1 x 32W Triple tube

Given	1113 Reflector Trims with one 32W Triple Tube lamp mounted in a small room with an 8' high white ceiling and light walls.
Find	The spacing of fixtures for 25 to 30 footcandles at a 2 1/2' work plane.
Solution	See Multiple units chart. These fixtures, mounted on 6' centers, will provide 30 footcandles at a work plane height of 30". The Spacing Ratio of 1.1 allows these fixtures to be mounted up to 6' apart {1.1 x (8 - 2.5)} and still provide even lighting.

A Recommended general lighting levels

(Minimum, Maintained)

	Commercial	Residential
High (over 50 footcandles)	Price-oriented retail Quick service restaurants Fine assembly work Laboratories	Work bench
Medium (30-50 footcandles)	General retail General office Classrooms Libraries Reception Leisure restaurant	Hobby areas Kitchens Laundry Study Home office
Low (less than 30 footcandles)	Public spaces Corridors Stairs Social areas Intimate restaurant	Dining room Hallways Closets

B Light loss factors

Light loss factors compensate for dirt accumulation and lamp depreciation.

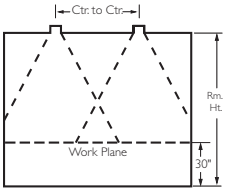
Maintained footcandles = Initial footcandles x light loss factor (LLF)

Fixture	Lamp type	Maintenance conditions		
		Good	Medium	Poor
Enclosed downlights	A, Triple, quad & twin tube	.75	.70	.60
Open downlights	PAR, BR, MR	.80	.75	.70
	A, Triple, quad & twin tube	.75	.70	.65

Good = Clean area, regular maintenance and group relamping.
Medium = Medium dirty area, regular maintenance and spot relamping.
Poor = Dirty area, poor maintenance and spot relamping.

C General lighting from multiple units

Footcandle values are initial and average and are at a work plane height of 30" above the floor. They are shown for various fixture spacings in a large room (30' x 50') and a small room (8' x 12'), both with ceiling heights of 8' to 12'. Room finishes are typical: white ceiling (80% refl.), light walls (50% refl.), and dark floor (20% refl.).



Example: (1113) 1 x 32W Triple tube

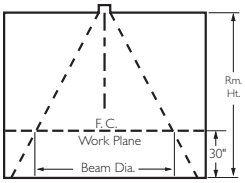
Ctr. to Ctr. Spacing	Footcandles Large room	Small room	
4'	87	68	
6'	39	30	S.R. = 1.1
8'	22	14	

D Spacing ratio

To find the maximum spacing of fixtures for even lighting, multiply the fixture's Spacing Ratio (S.R.) by the fixture height above the work plane.

E Downlighting from a single unit

Footcandle (FC) values are initial and are at the center of the beam, 30" above the floor. The Beam Diameter is to the point that the candlepower drops to 50% of maximum.



Example: (1005) 75W PAR30

Height to floor	Foot-candles	Beam diameter
8'	56	5'
10'	30	6'
12'	19	8'

F Footcandle conversion for downlights

Lamp wattages given for each Line Voltage reflector trim are the maximum for the lamp type specified. To convert the lighting data to a lower wattage lamp of the same type, multiply the footcandle values by the ratio of the lumens of the two lamps. Note beam diameter and spacing ratio (S.R.) do not change.

Given	Lighting Data for 1105 reflector trim with a 150W BR40 FL lamp.
Find	The footcandle level for 90W BR40 FL lamp.
Solution	Divide the lumens of the 90W BR40 FL (1100) by the lumens of the 150W BR40 FL (1525) {1100 divided by 1525 = 0.7}. Then, multiply the footcandle values of the fixture data by 0.7.

Footcandle multipliers for alternate finishes (A Lamp, CFL, HID)*

Reflector Trim Series	(Against Clear/Gold) Matte white Cone	Specular Black Cone	(Against Black baffle) White Baffle
2000	.65	.3	1.4
1000	.85	.6	1.4
1100	.90	.7	1.5

* Footcandles shown with specular cone units are for clear and gold finishes; with step or basic baffle units are for black baffles. Multipliers above are against those footcandle values.

Lighting specifications

Accent lighting

Use individual fixtures in small areas or to create focal pools of light. (Section E)

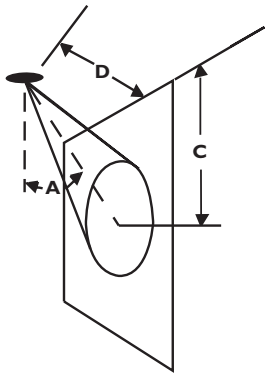
For the best viewing of pictures locate accent lights so that their beams are aimed 30° from vertical (Section G). Three-dimensional objects stand out best when cross-lighted from two accent lights.

Size the beam to the object(s) being highlighted and illuminate them up to three times the general level.

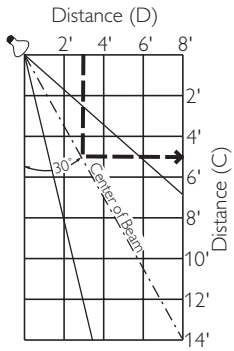
G Accent lighting/beam center location

The charts locate the distance (C) to the center of the light beam for various mounting distances (D) and for aiming angles 30° and 45° from vertical. 30° from vertical is the preferred aiming angle for lighting pictures on a wall.

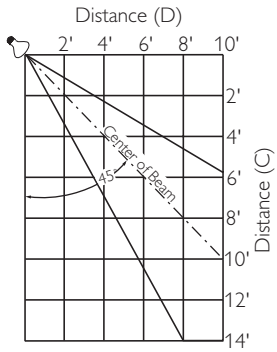
Example: When an accent light is located 3' from a wall and aimed 30° from vertical, the center of the light beam will be about 5' down from the ceiling.



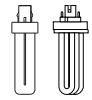
30° Aiming angle



45° Aiming angle



Lamp data

	Watts	Bulb	Rated lumens (initial)	Rated life (hours)
General service line voltage lamps				
	40W	A19	465	1500
	60W	A19	850	1000
	75W	A19	1190	750
	100W	A19	1690	750
	150W	A21	2850	750
Projector (PAR) halogen lamps				
	60W	PAR16	650	2000
	75W	PAR16	900	2000
	35W	PAR20	360	2500
	50W	PAR20	550	2500
	50W	PAR30	660	2500
	75W	PAR30	1130	2500
	45W	PAR38	560	2500
	60W	PAR38	850	3000
	90W	PAR38	1310	2500
	100W HIR	PAR38	2070	3000
	120W	PAR38	1800	3000
	250W	PAR38	3600	4500
Low voltage projector lamps				
	MR16	(See page 1.268)		
Reflector (BR) lamps				
	65W	BR30	715	2000
	85W	BR30	925	2000
	65W	BR40	685	2000
	85W	BR40	925	2000
	120W	BR40	1150	2000
Compact fluorescent lamps				
	13W	Twin tube 2-Pin (GX23)	900	10,000
	13W	Quad tube 2-Pin (GX23-2)	860	10,000
	13W	Quad tube 4-Pin (G24q-1)	1250	10,000
	18W	Quad tube 4-Pin (G24q-2)	1250	10,000
	26W	Quad tube 4-Pin (G24q-3)	1800	10,000
	26W	Triple tube 4-Pin (GX24q-3)	1800	10,000
	32W	Triple tube 4-Pin (GX24q-3)	2400	10,000
Metal halide lamps (open fixture type)				
	70W (Coated)	ED17/Med.	5400	16,000
	100W (Coated)	ED17/Med.	7900	16,000
	70W	PAR38/Med.	3400	8,500
	100W	PAR38/Med.	5800	8,500

The shape of a bulb is indicated by one or more letters such as A, R, PAR, etc. The size is given by a number which expresses the diameter in eighths of an inch. Thus, a BR40 bulb is of the BR shape, 40 eighths (40/8) or 5" in diameter. Lamp data shown is typical. Contact lamp manufacturer for specific data.

Track lighting

Section 2

Philips Lightolier track bundles innovation, flexibility and performance with ease of use.

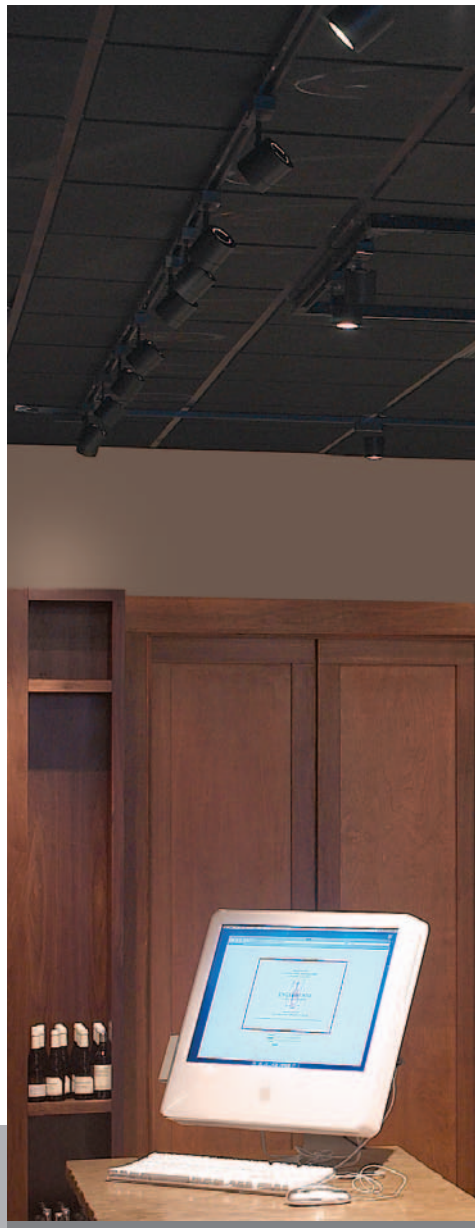
Philips Lightolier's Lytespan Track has maintained a reputation for its commitment to excellence and innovation since its inception over 40 years ago. Designed to blend with a variety of residential and light commercial interiors, Lytespan offers lighting that is visually powerful and versatile. A wide selection of products allows Lytespan to meet virtually any lighting need while providing the optimum level of style and performance. With Lytespan, high light output and energy efficiency are not mutually exclusive.

By taking advantage of state-of-the-art light sources Lytespan can deliver powerful lighting that is extremely energy-efficient. Energy Smart, Alcyon LED, fluorescent and metal halide track fixtures such as PowerWash and Mini HID can save up to 70% of the energy consumed by ordinary incandescent fixtures while utilizing product designs that are elegant and timeless. Lytespan delivers lighting that excites while it communicates. Only from Philips Lightolier, the pioneer of track lighting.

Contents

Professional track heads > 2.2
Specification track heads > 2.18
Standard track heads > 2.134
Standard track options > 2.146

Professional track heads



Contents

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Mini LED micro cylinder > 2.6
Alcyon low voltage > 2.8
Alcyon line voltage > 2.10
ProSpec line voltage cylinders > 2.12
ProSpec line voltage wall washers > 2.14
ProSpec line voltage rings > 2.15
ProSpec 277V luminaires > 2.17

Alcyon LED small cylinder

Lytespan LED

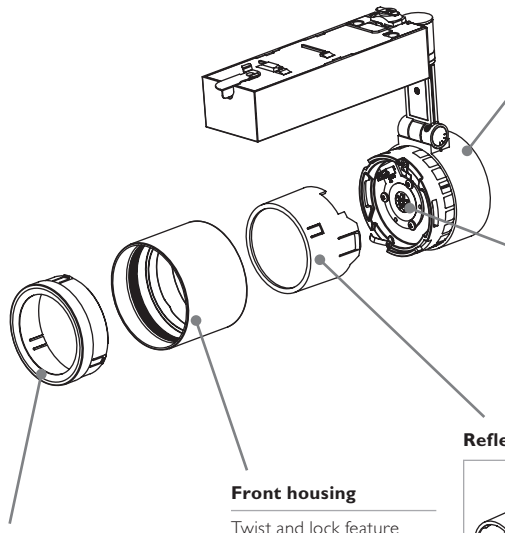
Designed around the finest white LEDs and thermally engineered for superior optical performance, the Alcyon LED Small Cylinder delivers light equal to most MR16 lamp sources. Available in a range of beam spreads for lighting flexibility and is dimmable.

Features

- 15W, 640* Nominal lumens
- Integrated housing heat sink: Die-cast aluminum maintains LED junction temperature for minimum 50,000 hr lifetime at 70% lumen maintenance.
- Optical assembly: Interchangeable reflectors may be changed at any time to accommodate the lighting requirements of the space.
- Integral locking: Vertical and horizontal locking preserves original lighting design intent.
- Aiming indicator: Allows a series of luminaires to be precisely set to the same aiming angle.

* +/- 5% for 3000K

LLA01 Series



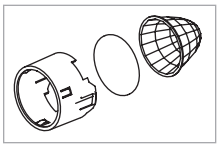
Integrated passive cooling

Maintains LED junction temperature.

LED board

Six white LEDs.

Reflector assembly



Choose from a spot, narrow flood or wide flood.

Ordered separately.

Front housing

Twist and lock feature allows for easy access to accessories and reflector holder.

Accessory holder

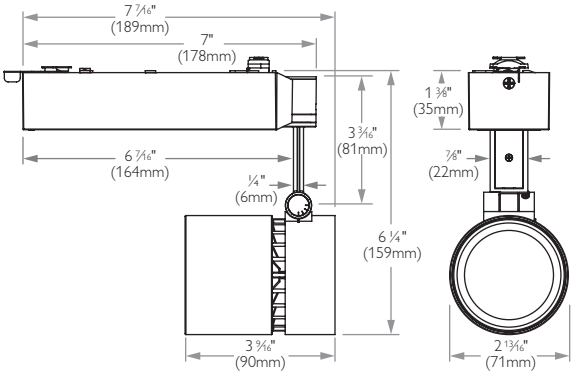
Accommodates lens or hex cell louver plus a snoot. Adjustable to allow for maximum light output.

Ordering information

Small cylinder

Cat. no.	Description	CCT
LLA0130	Dimmable	3000K
LLA0127	Dimmable	2700K

Add suffix for choice of finish; (**AL**) Aluminum, (**BK**) Matte black, and (**WH**) Matte white.



Reflector options*

Cat. no.	Description	
	RS	Spot reflector
LLA01	**RNF**	Narrow flood reflector
	RF	Flood reflector

* Ordered separately. Field changeable.

Add **SOL** to catalog number for reflector + Solite® option

Accessories

Cat. no.	Description
LLA01SNBK	Snoot (matte black)
LLA01SNWH	Snoot (matte white)
AL25HC	Hex louver
AF25	Diffusion filters
ADF25	Color filters

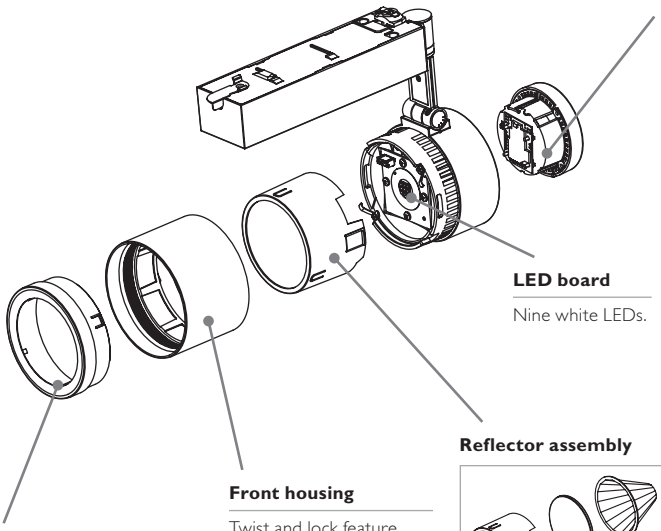
Must use **LLA01HBK/WH** accessory holder, when using a combination of two lenses or a lens plus a louver.

Alcyon LED medium cylinder

Lytespan LED

Architecturally styled the Alcyon LED Medium Cylinder offers excellent beam control and aesthetics while providing high performance accent lighting for retail and commercial applications. Delivering lumens equivalent to many 20W T4 metal halide systems.

LLA11 Series



Active cooling

Integrated active cooling solution used to aid in the thermal management of the heat sink.

LED board

Nine white LEDs.

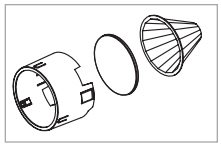
Front housing

Twist and lock feature allows for easy access to accessories and reflector holder.

Accessory holder

Accommodates lens or hex cell louver plus a snoot. Adjustable to allow for maximum light output.

Reflector assembly



Choose from a spot, narrow flood or wide flood.

Ordered separately.

Features

- 23W, 1000* Nominal lumens
- Integrated housing heat sink: Die-cast aluminum maintains LED junction temperature for minimum 50,000 hr lifetime at 70% lumen maintenance.
- Optical assembly: Interchangeable reflectors may be changed at any time to accommodate the lighting requirements of the space.
- Integral locking: Vertical and horizontal locking preserves original lighting design intent.
- Aiming indicator: Allows a series of luminaires to be precisely set to the same aiming angle.

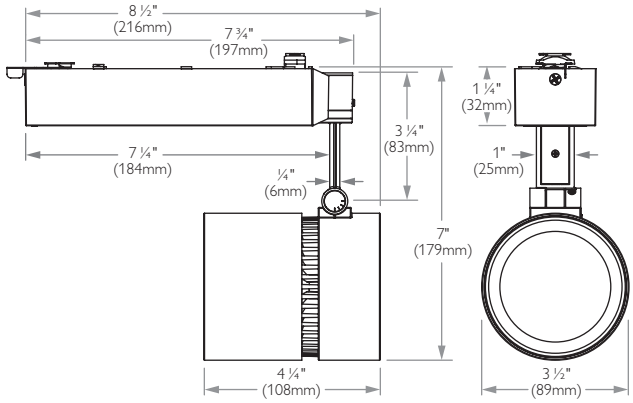
* +/- 10% for 3000K

Ordering information

Medium cylinder

Cat. no.	Description	CCT
LLA1130	Dimmable	3000K
LLA1127	Dimmable	2700K

Add suffix for choice of finish; (**AL**) Aluminum, (**BK**) Matte Black, and (**WH**) Matte White.



Reflector options*

Cat. no.	Description	
	RS	Spot reflector
LLA11	**RNF**	Narrow flood reflector
	RF	Flood reflector

* Ordered separately. Field changeable.

Add **SOL** to catalog number for reflector + Solite® option

Accessories

Cat. no.	Description
LLA11SNBK	Snoot (matte black)
LLA11SNWH	Snoot (matte white)
LLAHCA11	Hex louver
LLA11AFSY	Symmetrical spread
LLA11AFSF	Solite® soft focus

Must use **LLA11HBK/WH** accessory holder, when using a combination of two lenses or a lens plus a louver.

Mini LED micro cylinder

Lytespan LED

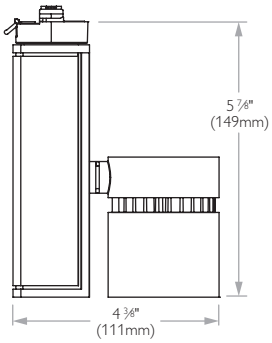
Designed around the finest white LED's and thermally engineered for superior optical performance, the Mini LED Micro Cylinder delivers light equal to MR16 lamp sources. Available in a range of beam spreads for lighting flexibility and is dimmable.

Features

- 10W, 400* Nominal lumens
- Integrated housing heat sink: Die-Cast aluminum maintains LED junction temperature for minimum 50,000 hr lifetime at 70% lumen maintenance.
- Optical assembly: Interchangeable reflectors may be changed at any time to accommodate the lighting requirements of the space.

* +/- 5% for 3000K

Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.



LLAV Series

Micro cylinder

Cat. no.	Description	CCT
LLAV0030	Mini LED micro cylinder	3000K
LLAV0027	Mini LED micro cylinder	2700K

Add suffix for choice of finish;
(**AL**) Aluminum, (**BK**) Matte Black,
and (**WH**) Matte White.

Reflector options*

Cat. no.	Finish	
LLAV00	**RS**	Spot reflector
	RNF	Narrow flood reflector
	RF	Flood reflector
	RSSOL	Spot reflector w/Solite® lens
	RNFSOL	Narrow flood reflector w/Solite® lens
	RFSOL	Flood reflector w/Solite® lens

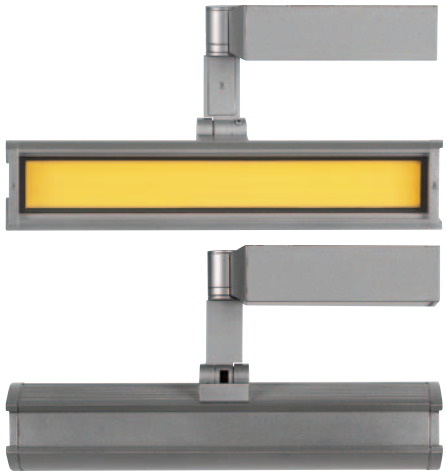
* Ordered separately. Field changeable.

Accessories

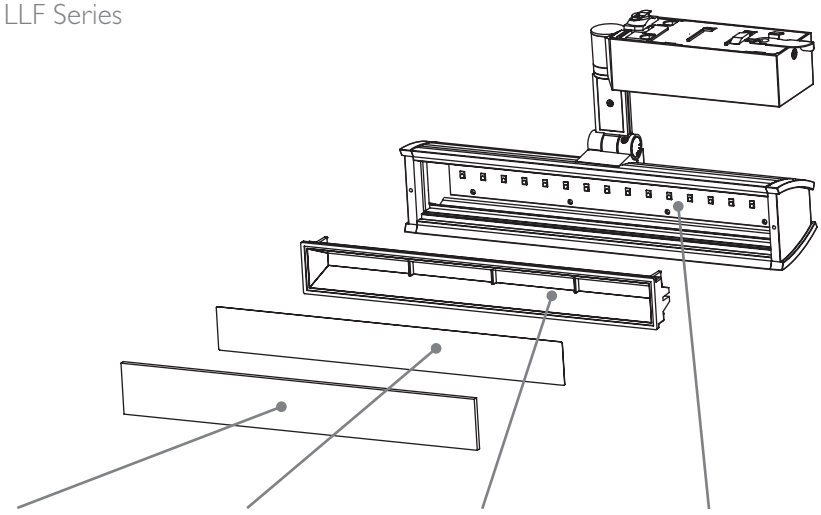
Cat. no.	Description
LLAV00AHBK	Vertical LED micro cylinder, accessory holder (black)
LLAV00AHWH	Vertical LED micro cylinder, accessory holder (white)
AL2HC	Hex cell louver
AF2	Diffusion/special filters
ADF2	Color filters

Alcyon LED flood

Lytespan LED



LLF Series



Cover lens
Colorless borosilicate glass protects optical chamber and LED surfaces from dust and other contaminants.

Phosphor lens
Remote phosphor technology provides increased efficiency and color stability.

Optical chamber
Harnesses LED light and redirects through phosphor with minimal losses.

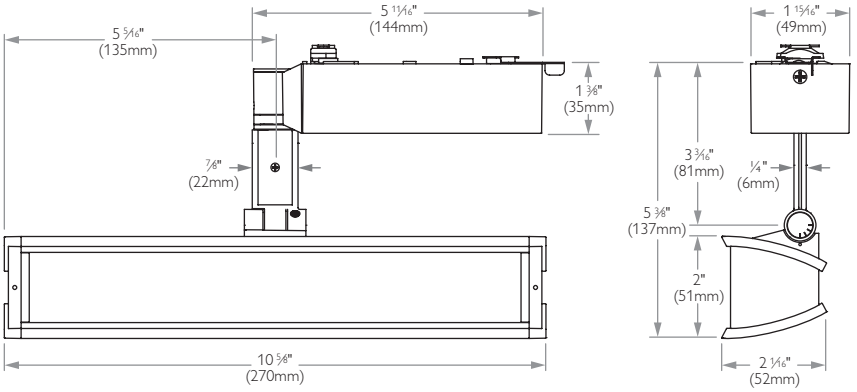
LED board
16 royal blue LEDs. Remote phosphor application minimizes performance variation.

Features

- 20W, 1000* Nominal lumens
- LED Board: Metal Core Printed Circuit board for efficient thermal management with 16 royal blue LEDs.
- Optical assembly: Remote phosphor technology provides increased efficiency and color stability. Phosphor lens assembly positioned in front of LED array converts blue light to white and produces a wide even pattern of diffused light without bright spots created by individual LEDs. Uniform phosphor coating provides consistent, stable color with a shift of no more than +/- 100K over life. High reflectance material in optical chamber harnesses led light and redirects through phosphor with minimal losses.
- Integral locking: Vertical and horizontal locking preserves original lighting design intent.
- Aiming indicator: Allows a series of luminaires to be precisely set to the same aiming angle.

* +/- 5%

Ordering information



Flood

Cat. no.	Description*	CCT
LLF27	Dimmable	2700K
LLF30	Dimmable	3000K
LLF35	Dimmable	3500K
LLF40	Dimmable	4000K

Add suffix for choice of finish; (**AL**) Aluminum, (**BK**) Matte Black, and (**WH**) Matte White.

* Dimming: Use electronic ELV (electronic low voltage) type dimmer. Consult factory for dimming compatibility.

Accessories

Cat. no.	Finish		Description
	WH	White	Track LED flood - visor
LLFVZ	**BK**	Black	Track LED flood - visor
	AL	Aluminum	Track LED flood - visor
LLFLV	**BK**	Black	Track LED flood - vertical blade louver
	WH	White	Track LED flood - Barn door
LLFBD	**BK**	Black	Track LED flood - barn door
	AL	Aluminum	Track LED flood - barn door

LLFLVBK Track LED flood visor

LLFVZBK Track LED flood visor

LLFBDBK Track LED flood visor

Alcyon

Lytespan low voltage

Alcyon features the smallest available transformer assembly with a fully potted, rugged polycarbonate construction. The silent electronic transformer includes short-circuit and over-heat protection. Alcyon's architectural styling is clean and elegant featuring a wireless blade/stem that seems to suspend the fixture in mid-air. The unique MR16 Wall washer features an integral asymmetrical spread lens and kick reflector to create a smooth elliptical wash. Utilizing the T4 bi-pin lamp, the micro flood includes an integral Solite® patterned lens to create a soft, smooth flood of light

Features

- Infinite horizontal rotation for maximum aiming flexibility without "dead spots".
- Lamp-forward design improves access and simplifies relamping.
- Die cast aluminum construction throughout with a durable baked enamel finish.
- Captive accessory cartridge accepts two accessories and provides excellent glare control.

For Accessories see 2.164.

MR16 Open ring

Open ring

Cat. no.	Description
22OR6WH	Matte white
22OR6BK	Matte black
22OR6AL	Aluminum

Lamping: MR16 50W max.*

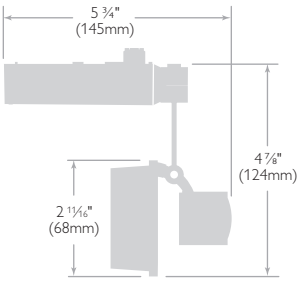
Accessories: One color or diffusion series filter, plus either one hex cell louver or snoot.

Diffusion/special filters: AF2 series.

Color filters: ADF2 series.

Louver: 22HC6BK (Hex Cell).

Snoot: 22SR6 series.



MR16 Step spot

Step spot

Cat. no.	Description
22SS6WH	Matte white
22SS6BK	Matte black
22SS6AL	Aluminum

Lamping: MR16 50W max.*

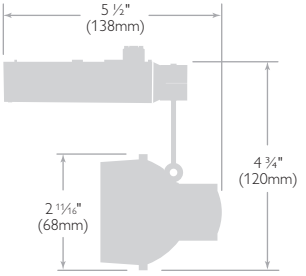
Accessories: One color or diffusion series filter, plus either one hex cell louver or snoot.

Diffusion/special filters: AF2 series.

Color filters: ADF2 series.

Louver: 22HC6BK (Hex Cell).

Snoot: 22SR6 series.



MR16 Cylinder

Cylinder

Cat. no.	Description
22MC6WH	Matte white
22MC6BK	Matte black
22MC6AL	Aluminum

Lamping: MR16 50W max.*

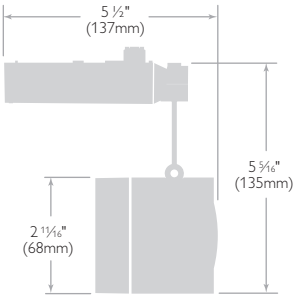
Accessories: One color or diffusion series filter, plus either one hex cell louver or snoot.

Diffusion/special filters: AF2 series.

Color filters: ADF2 series.

Louver: 22HC6BK (Hex Cell).

Snoot: 22SR6 series.

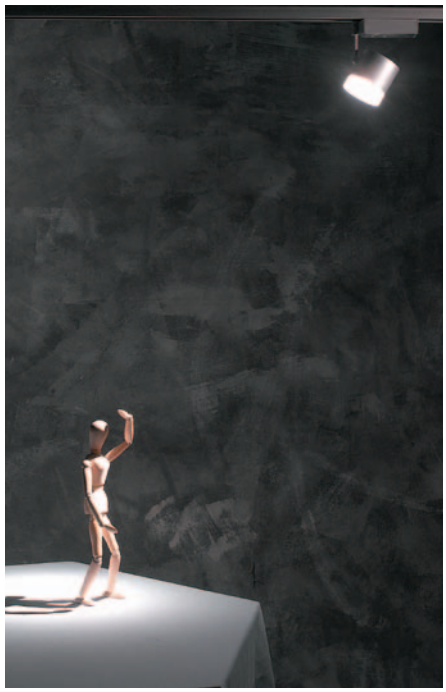


* Luminaire designed for non-lensed lamps

Alcyon

Lytespan low voltage

Alcyon Low Voltage luminaires harness the newest in MR16 and T4 bi-pin lamp technology for performance that is simply brilliant – Providing up to 50 watts of white halogen light for retail, residential and commercial applications. Economical and easily dimmable, low voltage sources deliver the drama, magic and impact of lighting in the smallest envelope available.



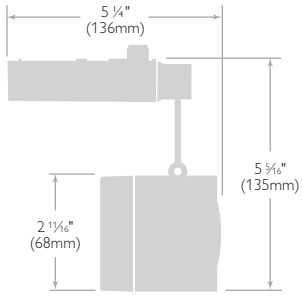
MR16 Glass cylinder

Glass cylinder

Cat. no.	Description
22GC6WH	Matte white
22GC6BK	Matte black
22GC6AL	Aluminum

Lamping: MR16 50W max.*

Accessories: No accessory capability.



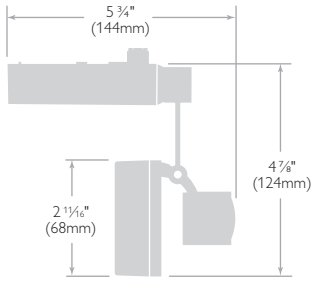
MR16 Glass ring

Glass ring

Cat. no.	Description
22GR6WH	Matte white
22GR6BK	Matte black
22GR6AL	Aluminum

Lamping: MR16 50W max.*

Accessories: No accessory capability.



MR16 Wall washer

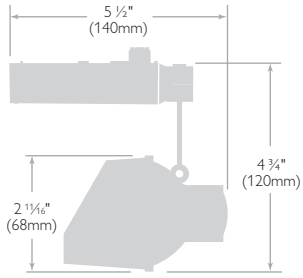
Wall washer

Cat. no.	Description
22MW6WH	Matte white
22MW6BK	Matte black
22MW6AL	Aluminum

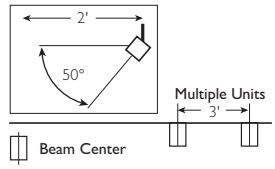
Lamping: MR16 50W max.*

Accessories: No accessory capability.

Asymmetrical spread lens included. (36° flood recommended)



50W T4 MR16 36° Flood



Distance from Ceiling			
1'	7	7	7
2'	28	31	28
3'	48	45	48
4'	30	28	30
5'	14	13	14
6'	7	7	7
7'	4	4	4
8'	2	2	2

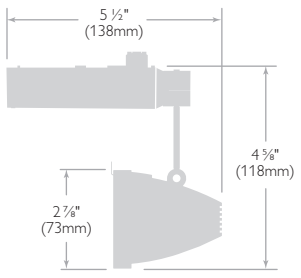
T4 Micro flood

Micro flood

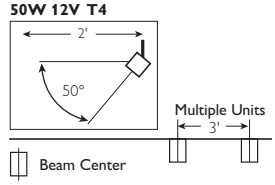
Cat. no.	Description
22MW4WH	Matte white
22MW4BK	Matte black
22MW4AL	Aluminum

Lamping: T4 2-pin 50W max. GY6.35 Base (Transverse or C-6 filament recommended)

Accessories: No accessory capability. Solite® beam softening lens included..



50W 12V T4



Distance from Ceiling			
1'	58	45	58
2'	52	44	52
3'	25	24	25
4'	13	13	13
5'	8	8	8
6'	6	5	6
7'	4	4	4
8'	3	3	3

* Luminaire designed for non-lensed lamps

Alcyon

Lytespan line voltage

Alcyon Line Voltage luminaires utilize today's reliable and economical halogen lamps for ambient, task, accent and wall washing applications. Available in PAR20/30/38 and T4 tungsten halogen sources from 50 to 250 watts, Alcyon delivers bright halogen light that's easily dimmable and offers the warmth and color rendering that only incandescent sources can provide.

Features

- Wireless stem with 365° horizontal rotation
- Compact line voltage track adapter
- Lamp forward design for easy relamping
- Integral accessory cartridge
- Accepts up to two accessories

PAR20 Step spot

Step spot

Cat. no.	Description
22SS2WH	Matte white
22SS2BK	Matte black
22SS2AL	Aluminum

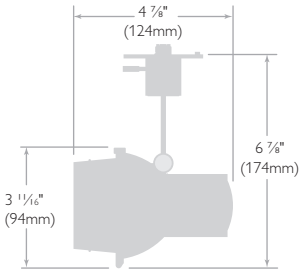
Lamping: PAR20 50W max.

Accessories: One color or diffusion series filter, plus either one hex cell louver or two lenses.

Diffusion/special filters: AF25 series.

Color filters: ADF25 series.

Louver: AL25HC (Hex Cell).



PAR30 Step spot

Step spot

Cat. no.	Description
22SS3WH	Matte white
22SS3BK	Matte black
22SS3AL	Aluminum

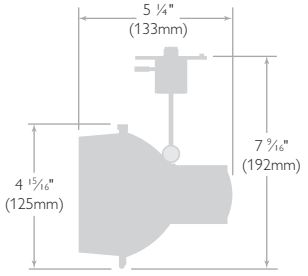
Lamping: PAR30 75W max.

Accessories: One color or diffusion series filter, plus either one hex cell louver or two lenses.

Diffusion/special filters: AF3 series.

Color filters: ADF3 series.

Louver: AL3HC (Hex Cell).



PAR38 Step spot

Step spot

Cat. no.	Description
22SS8WH	Matte white
22SS8BK	Matte black
2SS8AL	Aluminum

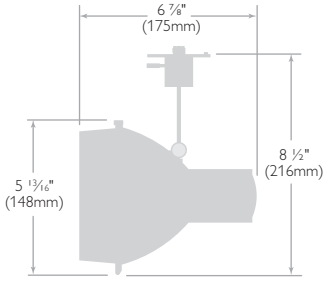
Lamping: PAR38 150W max.

Accessories: One color or diffusion series filter, plus either one hex cell louver or two lenses.

Diffusion/special filters: AF4 series.

Color filters: ADF4 series.

Louver: AL4HC (Hex Cell).



Alcyon

Lytespan line voltage

PAR20 Open ring

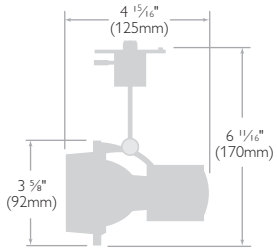
Open ring

Cat. no.	Description
22OR2WH	Matte white
22OR2BK	Matte black
22OR2AL	Aluminum

Lamping: PAR20 50W max.

Accessories: One color or diffusion series filter, plus either one hex cell louver or two lenses.

Diffusion/special filters: AF25 series.



Color filters: ADF25 series.

Louver: AL25HC (Hex Cell).

PAR30 Open ring

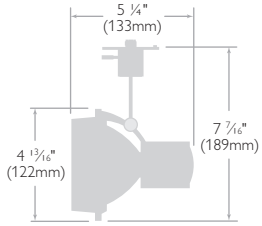
Open ring

Cat. no.	Description
22OR3WH	Matte white
22OR3BK	Matte black
22OR3AL	Aluminum

Lamping: PAR30 75W max..

Accessories: One color or diffusion series filter, plus either one hex cell louver or two lenses.

Diffusion/special filters: AF3 series.



Color filters: ADF3 series.

Louver: AL3HC (Hex Cell).

PAR38 Open ring

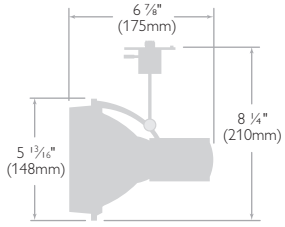
Open ring

Cat. no.	Description
22OR8WH	Matte white
22OR8BK	Matte black
22OR8AL	Aluminum

Lamping: PAR38 250W max (150W max. With accessories).

Accessories: One color or diffusion series filter, plus either one hex cell louver or two lenses.

Diffusion/special filters: AF4 series.



Color filters: ADF4 series.

Louver: AL4HC (Hex Cell).

T4 Wall washer

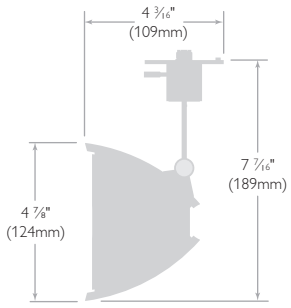
Wall washer

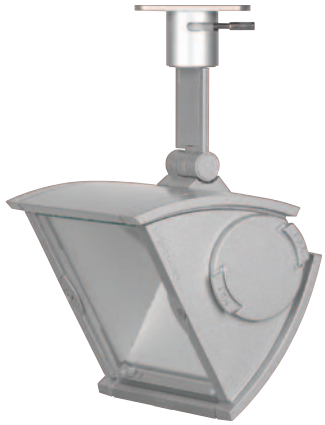
Cat. no.	Description
22WW4WH	Matte white
22WW4BK	Matte black
22WW4AL	Aluminum

Lamping: T4 Mini Can. 150W max.

Accessories: One visor.

Visor: 22VZ4 series.





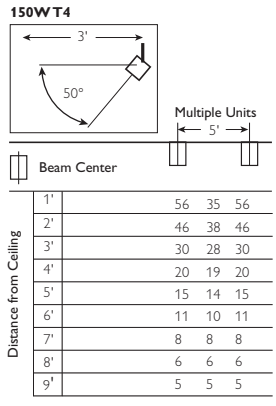
Wall washer Visor

For use with Alcyon 22WW4 series. Wall Washer; provides additional light shielding.

Visor

Cat. no.	Description
22VZ4WH	Matte white
22VZ4BK	Matte black
22VZ4AL	Aluminum

5 1/8"L, 4 7/16"W, 2 1/2" max. Depth.
130mm L, 113mm W, 63mm max. Depth.



1'	56	35	56
2'	46	38	46
3'	30	28	30
4'	20	19	20
5'	15	14	15
6'	11	10	11
7'	8	8	8
8'	6	6	6
9'	5	5	5

Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

ProSpec cylinders

ProSpec line voltage

ProSpec line voltage cylinders feature a classic design that is easily integrated into various architectural environments. Each unit includes the ProSpec media cartridge which can hold up to 3 accessories and allows quick and convenient changing of filters, louvers and screens.

Features

1.Flush adapter inserts easily into track and provides separate mechanical and electrical connection.

2.Lever energizes fixture electrically by 90° rotation. Fixture cannot be mechanically engaged or disengaged when powered.

3.Stem: constructed of stainless steel; 5/8" OD; .049" wall thickness.

4.Tru-lock aiming mechanism allows simultaneous horizontal and vertical locking. Full tension is maintained even when braking lever is released to hold aiming position.

5.Finish: all painted finishes are powder coated baked enamel.

6. Aiming indicator allows precise fixture aiming.

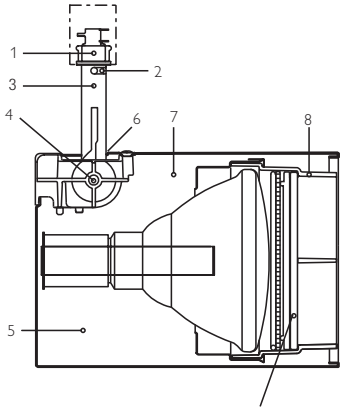
7.Housing: 20 gauge (.036") drawn steel construction. Hemmed front edge provides superior durability, additional stiffness; prevents chipping and enhances appearance.

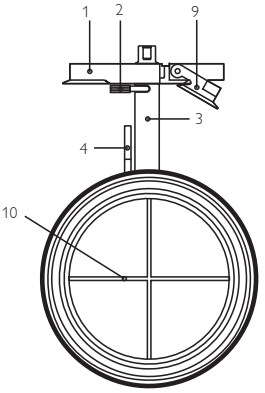
8.Media cartridge allows convenient loading and removal of up to 3 accessories without disturbing aiming adjustment. Easily installed and removed with a simple twisting motion. Constructed of formed aluminum.

9.Clamping wedges: cam-operated wedges expand or release gripper springs from track ledge; gripper springs hold adapter securely within track.

10.Cross blade louver extruded aluminum, 1" deep, provides additional shielding and can be easily removed.

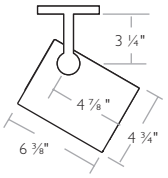
For Accessories see page 2.164.





Accessories ordered separately

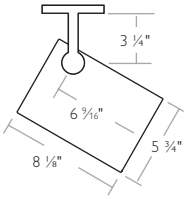
4 3/4" Cylinder



26030WH Matte white
26030BK Matte black
PAR30 75W max.

Accessories: AF3 lenses; ADF3 color filters; AL3 louvers; AS3 screens

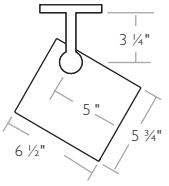
5 3/4" Cylinder



26038WH Matte white
26038BK Matte black
PAR38 250W max.

Accessories: AF4 lenses; ADF4 color filters; AL4 louvers; AS4 screens
(150W max. w/accessories)

5 3/4" Cylinder



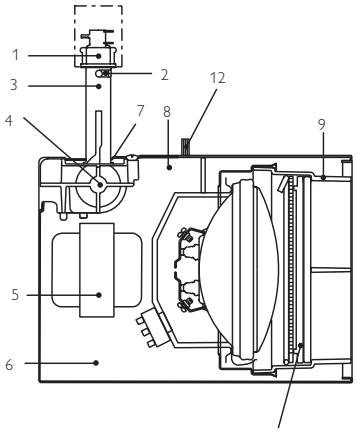
26383WH Matte white
26383BK Matte black
PAR38/3 150W max.

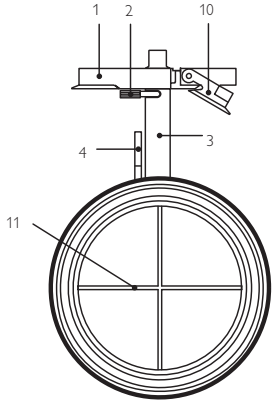
Accessories: AF4 lenses; ADF4 color filters; AL4 louvers; AS4 screens

Cylinders

ProSpec low voltage

Featuring a wide selection of halogen light sources, ProSpec's low voltage cylinders provide powerful, yet easily controlled light that's ideal for display environments. The PAR36 cylinder features a dual tap 5.5/12V transformer with a convenient slide switch. The PAR36 cylinder and PAR56 Stepped cylinder also feature a lamp that can be rotated from 0° to 180° and locked in place.





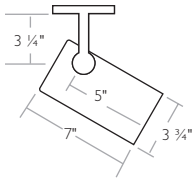
Accessories ordered separately

Features

1. **Flush adapter** inserts easily into track and provides separate mechanical and electrical connection.
2. **Lever** energizes fixture electrically by 90° rotation. Fixture cannot be mechanically engaged or disengaged when powered.
3. **Stem:** constructed of stainless steel; 5/8" OD; .049" wall thickness.
4. **Tru-lock** aiming mechanism allows simultaneous horizontal and vertical locking. Full tension is maintained even when braking lever is released to hold aiming position.
5. **Magnetic transformer** offers reliable operation and is completely housed inside fixture.
6. **Finish:** all painted finishes are powder coated baked enamel.
7. **Aiming indicator** allows precise fixture aiming.
8. **Housing:** 20 gauge (.036") drawn steel construction. Hemmed front edge provides superior durability, additional stiffness; prevents chipping and enhances appearance.
9. **Media cartridge** allows convenient loading and removal of up to 3 accessories without disturbing aiming adjustment. Easily installed and removed with a simple twisting motion. Constructed of formed aluminum.
10. **Clamping wedges:** cam-operated wedges expand or release gripper springs from track ledge; gripper springs hold adapter securely within track.
11. **Cross blade louver** of extruded aluminum, 1" deep, provides additional shielding and can be easily removed.
12. **Lamp rotation lock:** lamp can rotate from 0° to 180° and then be locked in the desired position (PAR36 only).

For Accessories see page 2.164

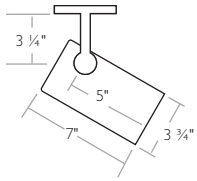
3 3/4" Cylinder



26016MBWH Matte white
26016MBBK Matte black
Magnetic
MR16 Bi-Pin 12v 50W max.

Accessories: AF25 lenses; ADF25 color filters; AL25 louvers; AS25 screens

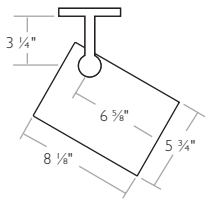
3 3/4" Cylinder



26070MWH Matte white
26070MBK Matte black
Magnetic
AR70 12v 50W max.

Accessories: AF25 lenses; ADF25 color filters; AL25 louvers; AS25 screens

5 3/4" Cylinder



26036MWH Matte white
26036MBK Matte black
Magnetic
PAR36 5.5v/12v 75W max.
AR111 12v 50W max.

Accessories: AF4 lenses; ADF4 color filters; AL4 louvers; AS4 screens

Wall washers

ProSpec line voltage

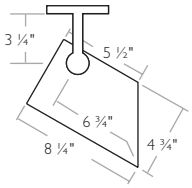
ProSpec wall washers feature an asymmetrical spread lens and an anodized aluminum kick reflector To distribute light evenly from ceiling to floor. The kick reflector assembly can hold one accessory and be removed from the front for relamping. ProSpec's Tru-lock aiming mechanism allows simultaneous locking of both horizontal and vertical positions. Ring wall washers feature highly adjustable yoke mounting.

Features

1. **Flush adapter** inserts easily into track and provides separate mechanical and electrical connection.
2. **Lever** energizes fixture electrically by 90° rotation. Fixture cannot be mechanically engaged or disengaged when powered.
3. **Stem:** constructed of stainless steel; 5/8" OD; .049" wall thickness.
4. **Tru-lock** aiming mechanism allows simultaneous horizontal and vertical locking. Full tension is maintained even when braking lever is released to hold aiming position.
5. **Finish:** all painted finishes are powder coated baked enamel.
6. **Aiming indicator** allows precise fixture aiming.
7. **Housing:** 20 gauge (.036") drawn steel construction.
8. **Kick reflector assembly:** Holds one accessory behind the spread lens. Assembly can easily be removed from the front using a simple twisting motion.
9. **Kick reflector:** Constructed of anodized aluminum. Embossed texture reflects light toward upper portion of wall and ceiling line.

For Accessories see page 2.164.

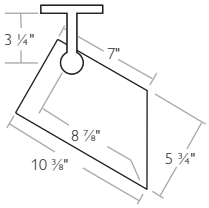
4 3/4" Wall washer



26030WWH Matte white
26030WBK Matte black
PAR30 75W max.

Accessories: AF3 lenses; ADF3 color filters; AS3 screens

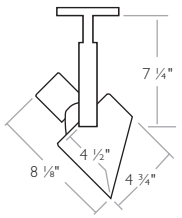
5 3/4" Wall washer



26038WWH Matte white
26038WBK Matte black
PAR38 120W max.

Accessories: AF4 lenses; ADF4 color filters; AS4 screens

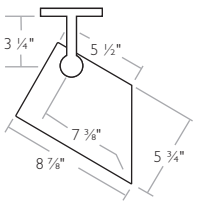
4 3/4" Ring wall washer*



26230WWH Matte white
26230WBK Matte black
PAR30 75W max.

Accessories: AF3 lenses; ADF3 color filters; AS3 screens

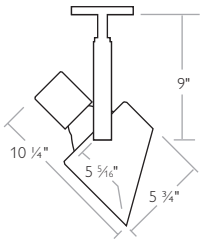
5 3/4" Wall washer



26383WWH Matte white
26383WBK Matte black
PAR38/3 150W max.

Accessories: AF4 lenses; ADF4 color filters; AS4 screens

5 3/4" Ring wall washer*



26238WWH Matte white
26238WBK Matte black
PAR38 250W max.

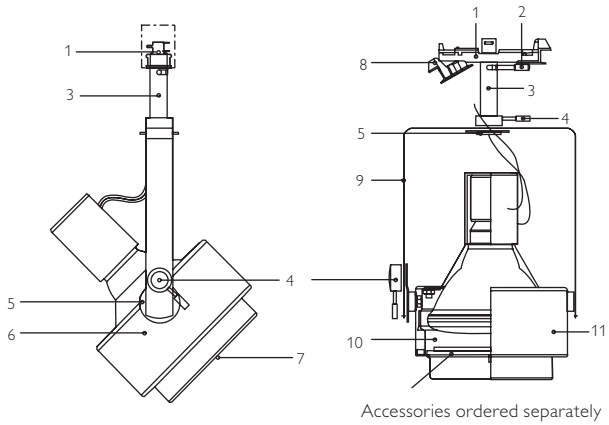
Accessories: AF4 lenses; ADF4 color filters; AS4 screens (150W max. w/accessories)

*Yoke Mounted

Rings

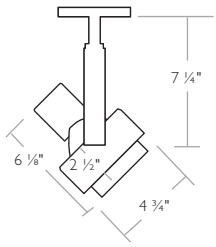
ProSpec line voltage

These line voltage units feature a clean, minimal look that's ideal for museums, lobbies and other institutional environments. Extremely versatile, they can be adjusted horizontally and vertically and then locked in place. The convenient aiming Indicator allows a series of fixtures to be accurately aimed and adjusted. These line voltage rings also include ProSpec's Media cartridge so filters, louvers and screens can be added or removed without disturbing aiming adjustment. Ring and cylinder media cartridges of the same size are completely interchangeable. A cross blade louver provides additional shielding and can be easily removed if necessary.



Accessories ordered separately

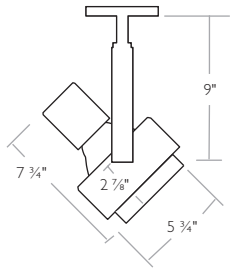
4 3/4" Ring*



26230WH Matte white
26230BK Matte black
PAR30 75W max.

Accessories: AF3 lenses; ADF3 color filters; AL3 louvers; AS3 screens

5 3/4" Ring*



26238WH Matte white
26238BK Matte black
PAR38 250W max.

Accessories: AF4 lenses; ADF4 color filters; AL4 louvers; AS4 screens (150W max. with accessories)

Features

1. **Flush adapter** inserts easily into track and provides separate mechanical and electrical connection.
2. **Lever** energizes fixture electrically by 90° rotation. Fixture cannot be mechanically engaged or disengaged when powered.
3. **Stem:** constructed of stainless steel; 5/8" OD; .049" wall thickness.
4. **Locking lever:** side lever precisely locks vertical adjustment. Top lever precisely locks horizontal adjustment.
5. **Aiming indicator** allows precise fixture aiming.
6. **Housing:** 20 gauge (.036") drawn steel construction. Hemmed front edge provides superior durability, additional stiffness; prevents chipping and enhances appearance.
7. **Cross blade louver** of extruded aluminum, 1" deep, provides additional shielding and can be easily removed.
8. **Clamping wedges:** cam-operated wedges expand or release gripper springs from track ledge; gripper springs hold adapter securely within track.
9. **Yoke mounting** allows adjustment up to 180° vertically and 350° horizontally.
10. **Media cartridge** allows convenient loading and removal of up to 3 accessories without disturbing aiming adjustment.
11. **Finish:** all painted finishes are powder coated baked enamel.

For Accessories see pages 2.164 and following.

ProSpec 277V luminaires

ProSpec 277V Energy Smart

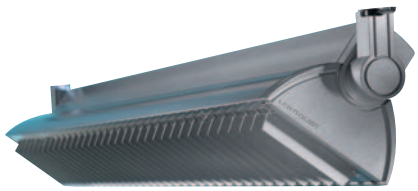
Philips Lightolier is now offering a variety of Energy Smart Lytespan track heads configured for 277V, which mount directly to ProSpec Track. These fixtures are ideal for use in large scale retail or commercial applications for accent lighting, wall washing and general illumination. PowerArc Modular is a high performance HID product available in a range of configurations for virtually any application. Mini HID uses many of the same CMH sources in a simpler, budget conscious product. Both lines offer the same punch and beauty of halogen incandescent sources with 50-70% energy savings with greatly expanded life. PowerWash and Lyteflood utilize T5HO and T5 twin tube lamps respectively to provide excellent wall washing and general lighting. Typical fluorescent sources use only 30% of the energy required for the same output of incandescent light, and last significantly longer.

Mini HID 277V

The Mini HID family combines the high performance of miniaturized ceramic metal halide lamps with compact HID electronic ballast technology in a sleek, unobtrusive design. It provides specifiers with new Energy Smart accent lighting solutions for retail and architectural applications. Mini HID from Philips Lightolier delivers more lighting for the dollar in the smallest available package.

Refer to page 2.24 for complete ordering information for 277V Mini HID.

PowerWash 277V



PowerWash T5 represents the state of the art in Energy Smart linear fluorescent wall washing and floodlighting combined with the unsurpassed flexibility of ProSpec track. Linear T5 HO (high output) lamps powered by efficient, quick-start electronic ballasts deliver 10-20% greater efficacy than comparably sized T8 lamps or biax type lamps of equal wattage. PowerWash is available in 2', 3' or 4' lengths to match T5 24W, 39W and 54W lamps respectively.

Refer to page 2.28 for complete ordering information for 277V PowerWash.

Lyteflood 277V

Dramatic impact, high efficiency, and long life make Lyteflood ideal for a host of merchandising applications. Lyteflood fixtures are especially well suited for floodlighting and wall washing and can be installed on new ProSpec track. Lytefloods utilize compact fluorescent lamps for significant energy savings, long lamp life and excellent color rendition. Quick-start electronic ballasts are standard.

Refer to page 2.29 for complete ordering information for 277V Lyteflood.

Specification track heads

Superior low voltage lighting and unparalleled decorative glass to enhance today's architectural interiors.

The Franklin Institute, Philadelphia, PA (Photographer: Kenny Lindstrom)

Contents

Lytespan spot LED accent > 2.20
Lytespan low voltage Sof-Tech > 2.20
Lytespan PowerArc > 2.22
Lytespan Mini HID > 2.24
Lytespan Powerwash T6 fluorescent > 2.28
Lyteflood compact fluorescent > 2.29
Lytespan low voltage Style Jack > 2.30
Lytespan low voltage Lytedrop > 2.31
Lytespan low voltage Focal Jacks > 2.32
Lytespan low voltage Power Jacks > 2.34
Lytespan line voltage Metallics > 2.36
Lytespan line voltage Sof-Tech > 2.37
Tangent line voltage > 2.38
Translite low voltage systems > 2.44
Translite pendants > 2.116
Translite accessories > 2.128

Spot LED accent

Lytespan LED

A breakthrough in LED accent lighting. Philips Lightolier provides powerful accent lighting with only 15watts of power. Ideally suited for accent lighting in retail, commercial and hospitality spaces. Available in a range of beam spreads for lighting flexibility and is dimmable.

Features

- Delivering 900 nominal lumens at 15W
- Efficacy: 58 lumens per watt
- Full flexibility in 3 beam spreads 10°; 21°; 35°
- Spot version delivers 23,500 candelas
- Available in 3000K and 2700K
- CRI 85, typical
- Dimmable: ELV low voltage
- Accommodates two accessories
- Compatible with Lytespan track. Contact factory for other adaptor options.
- 50,000 hour lifetime L70, 5 year warranty
- One Philips solution leveraging Philips global strength

* +/– 5% for 3000K

Acc Capability (2): Lenses, Louver and Snoot

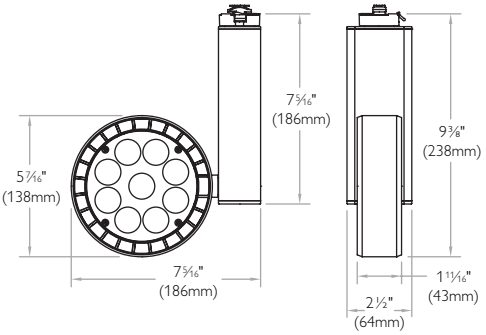
Other track adaptors are also available, contact factory for details.

LLAB Series

Spot LED

Cat. no.	Description	CCT
LLAB030RS	Spot	3000K
LLAB030RNF	Narrow flood	3000K
LLAB030RF	Flood	3000K
LLAB027RS	Spot	2700K
LLAB027RNF	Narrow flood	2700K
LLAB027RF	Flood	2700K

Add suffix for choice of finish; (**AL**) Aluminum, (**BK**) Matte Black, and (**WH**) Matte White.



Accessories

Cat. no.	Description
8595	Accessory holder (black)
AL4HC	4¾" Dia. Hex cell louver
AF4	Diffusion/special filters
ADF4*	Color filters

*Will project colored light

Sof-Tech

Lytespan low voltage

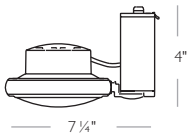
This series of low voltage units features die-cast elements combined with silicone rubber components and a vertical electronic transformer for a sleek, compact look. Available in both open back or fully enclosed versions.

Features

- Socket boot of heat resistant silicone rubber decoratively covers the socket of the lamp – no visible hardware shown.
- Ultra-narrow vertical electronic transformer offers a compact, close-to-track look.
- Dimming: Efficient and reliable electronic transformer provides silent dimming with Philips Lightolier "QE" dimmers.

For Accessories see 2.164.

PAR36 Enclosed spot

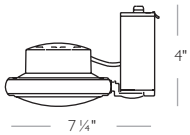


Electronic

Cat. no.	Description
6279WH	Matte white
6279BK	Matte black

Lamping: PAR36 50W max.
Accessory holder: 7660 (holds one accessory).
Diffusion/special filters: AF3 series.
Color filters: ADF3 series.
Louver: AL3 series.

AR111 Enclosed spot



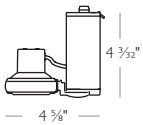
Electronic

Cat. no.	Description
6289WH	Matte white
6289BK	Matte black
6289AL	Aluminum

Lamping: AR111 75W max.
Accessory holder: 7660 (holds one accessory).
Diffusion/special filters: AF3 series.
Color filters: ADF3 series.
Louver: AL3 series.

MR16 Enclosed spot

Die cast aluminum housing fully encloses lamp back and socket.



Accessories
One color or diffusion series filter, plus one louver and snoot (optional). Color filters may not be used with a Snoot.

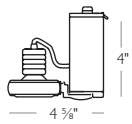
Electronic

Cat. no.	Description
6276BWH	Matte white
6276BBK	Matte black
6276BAL	Aluminum

Lamping: MR16 Bi-Pin 50W max.
Accessory holder: 7662.
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.
Louver: AL2 series.
Snoot: 22SR6 series.

MR16 Open ring

50W max.
with accessories



Electronic

Cat. no.	Description
6275BWH	Matte white
6275BBK	Matte black
6275BAL	Aluminum

Lamping: MR16 Bi-Pin 75W max.
Accessory holder: 7662 0 (holds one accessory).
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.
Louver: AL2 series.

PowerArc

Lytespan

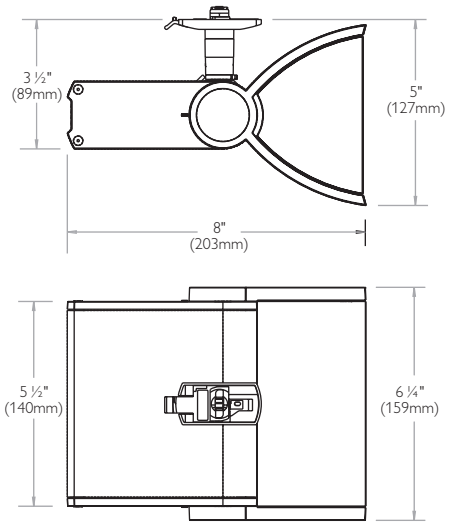
PowerArc utilizes ceramic arc tube metal halide lamps for superior color rendering and long lamp life with minimal color shift. Carefully designed around the light source, PowerArc can save up to 70% of the energy consumed by ordinary incandescent fixtures.

Features

The PowerArc design features an ideal balance of soft curves and hard edges that integrates well with virtually any interior. Two versions of PowerArc are available; a 30° flood and an asymmetrical wall washer. The wall washer features an integral kick reflector that provides wide, even illumination over vertical surfaces.

A number of key features allow PowerArc to provide unparalleled flexibility and performance. An aiming angle indicator conveniently measured in degrees allows a series of luminaires to be precisely set to the same aiming angle. The PowerArc's protective glass lens can be slid out from either direction and uses no hinges or clips. A hidden micro-safety switch automatically de-powers the fixture during relamping for safety.

PowerArc



30° Vertical flood

Cat. no.	Description
8292F3EWH	Matte white
8292F3EBK	Matte black
8292F3EAL	Aluminum

Asymmetrical wall washer

Cat. no.	Description
8292WEWH	Matte white
8292WEBK	Matte black
8292WEAL	Aluminum

70W CDM or CMH T6

Double-ended metal halide

Cat. no.	Description
8293ACWH	Matte white
8293ACBK	Matte black

Accessory holder (holds 1 accessory)

Accessory filters/lens

Requires accessory holder

Cat. no.	Description
8293UV	UV filter
8293BE	Spread lens
8293ICF	Incandescent conversion filter

Louver

Vertical blade

Cat. no.	Description
8293LVWH	Matte white
8293LVBK	Matte black

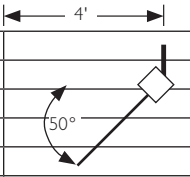
Technical information

- Excellent color rendering (82 CRI).
- Metal halide lamps provide 6,600 initial lumens with an average life of 10,000 hours.
- Provides high footcandle levels while reducing HVAC costs.
- 0–90° vertical adjustment, 375° horizontal rotation.
- All units feature electronic ballast.
- Available in matching floodlight and wall washer versions.

Footcandles on wall (or ceiling)

70W T6 Double-ended metal halide

Track 4 feet from wall — **Single unit**



Distance From Ceiling

	0'	1'	2'	3'	4'	5'
1'	89	78	51	26	11	4
2'	82	72	52	32	17	8
3'	56	51	40	28	17	10
4'	31	29	25	21	15	10
5'	31	29	25	21	15	10
6'	23	22	20	16	13	9
7'	18	17	15	13	10	8
8'	14	13	12	10	9	7
9'	10	10	9	8	7	6

Footcandles are average and rounded off.

PowerArc

Lytespan

The PowerArc canopy mount provides crisp, powerful metal halide lighting that is ideal for both direct and indirect lighting applications. Its ability to be installed in damp locations makes it an excellent choice for atriums, covered outdoor balconies and similar locations. Whatever the environment, the PowerArc canopy mount provides a clean, unobtrusive look at the ceiling while offering excellent aiming flexibility.

PowerArc canopy mount

70W CDM or CMH T6
Double-ended metal halide

Cat. no.	Description
8292WEWHCY	Matte white (120 Volt) Asymmetrical wall washer
8292WEWHCY2	Matte white (277 Volt) Asymmetrical wall washer
8293VSWH	Matte white Visor shield

Accessory holder
Holds 1 accessory

Cat. no.	Description
8293ACWH	Matte white
8293ACBK	Matte black

Accessory filters/lens
Requires accessory holder

Cat. no.	Description
8293UV	UV filter
8293BE	Spread lens
8293ICF	Incandescent conversion filter

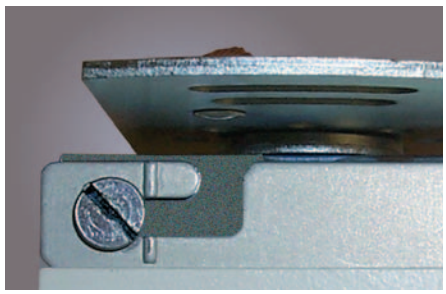
Louver
Vertical blade

Cat. no.	Description
8293LVWH	Matte white
8293LVBK	Matte black

Features

When mounted on the wall, it makes an ideal indirect lighting fixture. An easily attached visor provides excellent glare control.

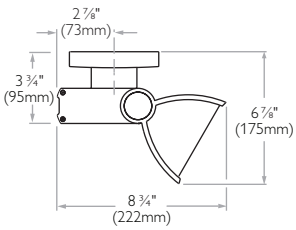
This versatile lighting instrument is available as an asymmetrical wall washer featuring an integral kick reflector that provides wide, even illumination. Offering unrivaled power, versatility and aiming flexibility, the PowerArc canopy mount provides the crisp look of halogen lighting but with energy savings comparable to fluorescent.

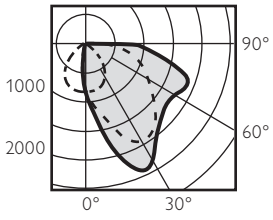


A mounting bracket with rotation adjustment and locking feature allows the fixture to be conveniently hung before wiring.

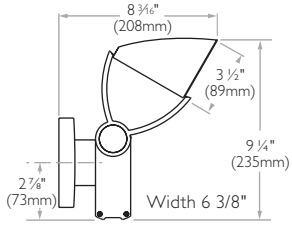
Ceiling mounted installation

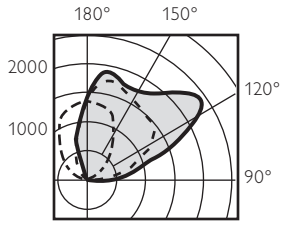
Shown with Visor





Wall mounted installation





- 0° to 90° vertical adjustment allows good indirect lighting no matter what the ceiling height.
- Canopy features 355° horizontal rotation and can be locked every 45°; interior positive lock creates a permanent fixed position.

Multiple units

4'			5'			6'		
106	102	107	94	71	94	89	49	89
116	109	116	97	83	97	88	62	88
92	90	92	74	70	74	64	56	64
77	76	77	62	61	62	53	50	53
66	65	66	53	53	53	45	45	45
53	53	53	43	42	43	36	36	36
44	44	44	36	35	36	30	30	30
37	37	37	31	30	31	26	26	26
30	30	30	24	24	25	21	21	21

Data for multiple units are based on a minimum of five units.

Mini HID cylinders

Lytespan

Lytespan Mini HID is a powerful combination of high performance ceramic Metal halide lamps and sleek unobtrusive designs in the smallest available package. The Mini HID family includes five different lamp types including the newest 20W miniatures and a full range of PAR lamps. The 20W miniature lamps combined with the latest micro ballast technology create a powerful CMH luminaire that approaches the size of low voltage MR16.

Features

Offering up to 70% energy savings vs. incandescent spotlights with 3 to 4 times longer lamp life, Lytespan Mini HID is the choice for high-performance energy smart retail and architectural lighting.

Mini-HID 277V for ProSpec track

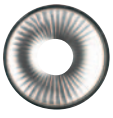
Cat. no.	Type	Description
37100	Step Spot	277V, 20W CMH MR16
37102	Cylinder & Spot	277V, 20W CMH T4 GU6.5
37103	Cylinder & Flood	277V, 20W CMH T4 GU6.5
37104	Step Spot	277V, 20W CMH PAR20
37106	Open Ring	277V, 39W CMH PAR30L
37107	Open Ring	277V, 70W CMH PAR30L
37108	Open Ring	277V, 70W CMH PAR38
37110	Step Spot	277V, 39W CMH PAR30L
37113	Step Spot	277V, 70W CMH PAR30L
37119	Cylinder & Spot	277V, 39W CMH T4 bi-pin
37120	Cylinder & Flood	277V, 39W CMH T4 bi-pin

Add suffix for choice of finish; (BK) Black and (WH) White.

Wide range of reflectors

Increased lighting design flexibility

- From very narrow (10°) to wide flood (40°) beam spreads.
- Reflectors are available in clear anodized or incandescent warm finish.
- To order reflector in incandescent warm finish add WRM to end of item # (i.e. MHT6RSWRM).



24MHT45RS
T4.5 Spot G8.5
clear anodized

24MHT4RS
GU6.5/PGJ5
Spot
clear anodized

MHT6RS
T6 Spot
clear anodized

24MHT45RNF
T4.5 G8.5
Narrow flood
clear anodized

24MHT4RNF
GU6.5/PGJ5
Narrow flood
clear anodized

MHT6RNF
T6 Narrow flood
clear anodized

24MHT45RF
T4.5 Flood G8.5
Clear anodized

24MHT4RF
GU6.5/PGJ5
Flood
clear anodized

MHT6RF
T6 Flood
clear anodized

20W T4 Cylinder

Cylinder

Cat. no.	Description
8109WH	Matte white
8109BK	Matte black
8109AL	Aluminum

Lamping: 20W T4 CMH (M156) GU6.5 Base

Accessory holder: 8195 (holds one accessory).

Diffusion/special filters: AF25 series.

Color filters: ADF25 series.

Louver (hex cell): AL25HC.

Reflector sold separately, see below for options.

39W & 70W T4 Cylinder

39W Cylinder

Cat. no.	Description
8114WH	Matte white
8114BK	Matte black
8114AL	Aluminum

70W Cylinder

Cat. no.	Description
8115WH	Matte white
8115BK	Matte black
8115AL	Aluminum

Lamping: 39W T4.5 CMH (M130) G8.5 Bi-Pin

Accessory holder: 8195 (holds one accessory).

Diffusion/special filters: AF25 series.

Color filters: ADF25 series.

Louver (hex cell): AL25HC.

Reflector sold separately, see below for options.

39W T6 Cylinder

Cylinder

Cat. no.	Description
8121WH	Matte white
8121BK	Matte black
8121AL	Aluminum

Lamping: 39W T4.5 CMH (M130) G (G8.5) Bi-Pin

Accessory holder: Integral (holds one accessory).

Diffusion/special filters: AF3 series.

Color filters: ADF3 series.

Louver (hex cell): AL3HC.

70W T6 Cylinder

Cylinder

Cat. no.	Description
8122WH	Matte white
8122BK	Matte black
8122AL	Aluminum

Lamping: 70W T-6 CMH (M98) G12 Base

Accessory holder: Integral (holds one accessory).

Diffusion/special filters: AF3 series.

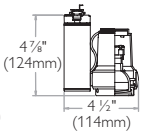
Color filters: ADF3 series.

Louver (hex cell): AL3HC.

Mini HID

Lytespan

20W MR16 Step spot



Step Spot

Cat. no.	Description
8100WH	Matte white
8100BK	Matte black
8100AL	Aluminum

Lamping: 20W MR16 CMH (M156) GX10 base

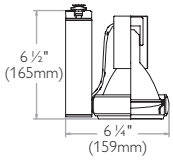
Accessory holder: Integral (holds one accessory).
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.
Louver (hex cell): AL2HC.

39W & 70W PAR Rings

39W Ring

Cat. no.	Description
8106WH	Matte white
8106BK	Matte black
8106AL	Aluminum

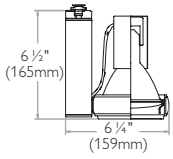
Lamping: 39W PAR20 CMH (M130) E26 base



70W Ring

Cat. no.	Description
8107WH	Matte white
8107BK	Matte black
8107AL	Aluminum

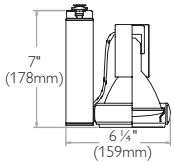
Lamping: 70W PAR30 CMH (M98) E26 base



70W Ring

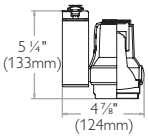
Cat. no.	Description
8108WH	Matte white
8108BK	Matte black
8108AL	Aluminum

Lamping: 70W PAR38 CMH (M98) E26 base



Accessory holder: Integral (holds one accessory).
Diffusion/special filters: AF25 series.
Color filters: ADF25 series.
Louver (hex cell): AL25HC.

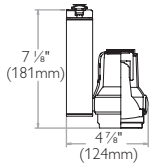
20W & 39W PAR Step spots



20W Step spot

Cat. no.	Description
8104WH	Matte white
8104BK	Matte black
8104AL	Aluminum

Lamping: 20W PAR20 CMH (M156) E26 base



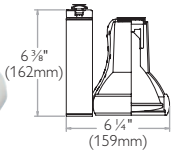
39W Step spot

Cat. no.	Description
8105WH	Matte white
8105BK	Matte black
8105AL	Aluminum

Lamping: 39W PAR20 CMH (M130) E26 base

Accessory holder: Integral (holds one accessory).
Diffusion/special filters: AF25 series.
Color filters: ADF25 series.
Louver (hex cell): AL25HC.

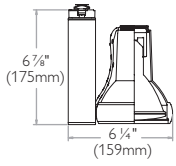
39W & 70W PAR Step spots



39W Step spot

Cat. no.	Description
8110WH	Matte white
8110BK	Matte black
8110AL	Aluminum

Lamping: 39W PAR30 CMH (M130) E26 base



70W Step spot

Cat. no.	Description
8113WH	Matte white
8113BK	Matte black
8113AL	Aluminum

Lamping: 70W PAR30 CMH (M130) E26 base

Accessory holder: 8473 (holds one accessory).
Diffusion/special filters: AF3 series.
Color filters: ADF3 series.
Louver (hex cell): AL3HC.

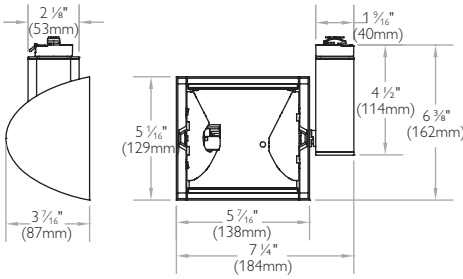
Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

Mini HID wall washers

Lytespan

is the newest addition to the Mini HID family. Delivering outstanding photometric performance in a sleek, unobtrusive design, providing specifiers with new energy-smart lighting solutions for retail and commercial applications, thereby increasing the industry leading versatility of Lytespan. Mini HID is the choice for high-performance energy smart retail and architectural lighting, providing superior efficiency without sacrificing the design.

20W T4 Wall washer



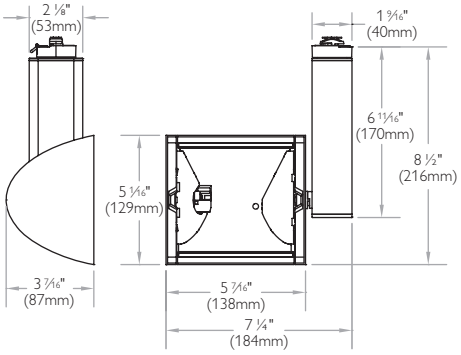
Wall washer

Cat. no.	Reflector
81F20T4	Standard
81F20T4WRM	Incandescent warm tone reflector
81F20T4SPC	Specular reflector, w/Solite® lens

Lamping: 20W CMH T4 GU6.5

Add suffix for choice of finish;
(**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

39W T4 Wall washer



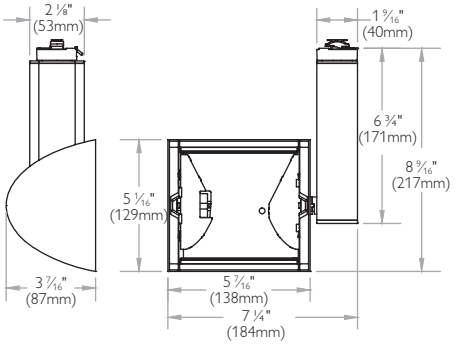
Wall washer

Cat. no.	Reflector
81F39T4	Standard
81F39T4WRM	Incandescent warm tone reflector
81F39T4SPC	Specular reflector, w/Solite® lens

Lamping: 39W CMH T4 GU6.5

Add suffix for choice of finish;
(**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

39W T4.5 Wall washer



Wall washer

Cat. no.	Reflector
81F39T45	Standard
81F39T45WRM	Incandescent warm tone reflector
81F39T45SPC	Specular reflector, w/Solite® lens

Lamping: 39W CMH T4.5 G8.5

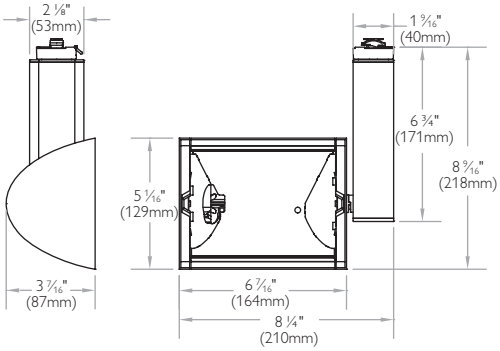
Add suffix for choice of finish;
(**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

Mini HID wall washers

Lytespan

Where to use Mini HID: Retail and commercial spaces, specialty boutiques, museums, art galleries, places of worship, restaurants, hair salons/spas.

39W T6 Wall washer



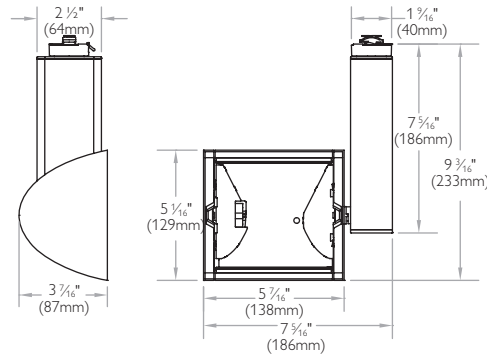
Wall washer

Cat. no.	Reflector
81F39T6	Standard
81F39T6WRM	Incandescent warm tone reflector
81F39T6SPC	Specular reflector, w/Solite® lens

Lamping: 39W CMH T6 G12

Add suffix for choice of finish;
(**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

70W T6 Wall washer



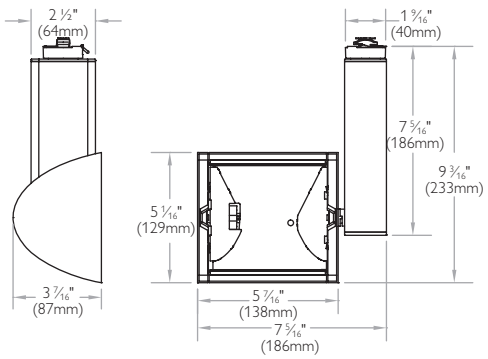
Wall washer

Cat. no.	Reflector
81F70T6	Standard
81F70T45WRM	Incandescent warm tone reflector
81F70T45SPC	Specular reflector, w/Solite® lens

Lamping: 70W CMH T6 G12

Add suffix for choice of finish;
(**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

70W T4.5 Wall washer



Wall washer

Cat. no.	Reflector
81F70T45	Standard
81F70T45WRM	Incandescent warm tone reflector
81F70T45SPC	Specular reflector, w/Solite® lens

Lamping: 70W CMH T4.5 G8.5

Add suffix for choice of finish;
(**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

PowerWash T5

Lytespan linear fluorescent

PowerWash T5 track mount represents the state of the art in Energy Smart linear fluorescent wall washing and flood lighting combined with the unsurpassed flexibility of Lytespan track. Linear T5 HO (high output) lamps powered by efficient quick-start electronic ballasts deliver 10–20% greater efficacy than comparably sized T8 lamps or biax type lamps of equal wattage.

Features

Ultra slim 5/8" diameter T5 lamps result in more precise optic control of the light, more consistent beam patterns and greater fixture spacing ratios. The narrow diameter also permits an elegant, streamlined design that's architecturally compatible with commercial and retail spaces alike and integrates well with Philips Lightolier's metal halide families.

Available in one-lamp or two-lamp configurations and in 2,' 3' or 4' lengths to match T5 24W, 39W and 54W lamps respectively. PowerWash T5 is finished in subtle matte white, classic matte black, and contemporary aluminum and is compatible with Lytespan Radius, Basic and Advent two-circuit track. Additional features include 180 degrees of rotation for flexible aiming, a built-in pull-out lamp holder that allows fast, easy relamping, and an integral louver for superior cut-off and glare control. A clear acrylic lens, which complies with FDA guidelines for use in all food preparation applications, is available in 2', 3', and 4' lengths.

PowerWash T5 track mount

1 Lamp T5 HO electronic

Cat. no.	Track mount	
9277	Matte white	2' - 24W
9377	Matte white	3' - 39W
9477	Matte white	4' - 54W

Add suffix for choice of finish; (**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

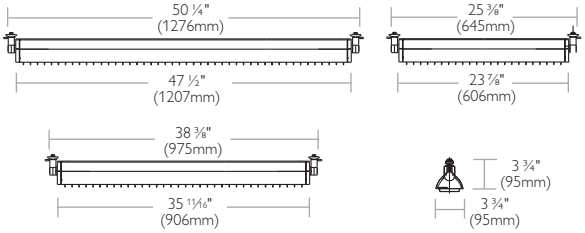
2 Lamp T5 HO electronic

Cat. no.	Track mount	
9276	Matte white	2' - 24W
9376	Matte white	3' - 39W
9476N	Matte white	4' - 54W

Add suffix for choice of finish; (**AL**) Aluminum, (**BK**) Black, and (**WH**) White.

Lens (32 per case)

Cat. no.	Description
56957	2' Clear acrylic lens
56956	3' Clear acrylic lens
56955	4' Clear acrylic lens



PowerWash 277V for ProSpec track

Cat. no.	Description
37224	PowerWash, 277V, 2 x 24W T5 HO
37239	PowerWash, 277V, 2 x 39W T5 HO
37254	PowerWash, 277V, 2 x 54W T5 HO

Add suffix for choice of finish; (BK) Black and (WH) White.

Note: Matte White finished fixtures supplied with Matte White louver.
Matte Black and Aluminum finished fixtures supplied with Aluminum finished louver.

Lyteflood

Lytespan compact fluorescent

Dramatic impact, high efficiency, and long life make Lyteflood ideal for a host of merchandising and retrofit applications. Lyteflood fixtures are especially well-suited for floodlighting and wall washing and can be installed on existing Lytespan track. Lytefloods utilize compact fluorescent lamps for significant energy savings, long lamp life (up to 20,000 hours) and excellent color rendition. All Lytefloods come standard with electronic ballasts.

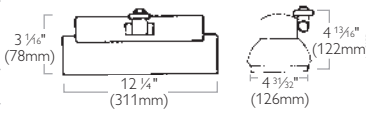
Features

- Side mount adapters for easy adjustment and aiming.
- Special locking knob maintains precise adjustment.
- Separate mechanical and electrical connection for easy and secure installation.

Lyteflood L18

Lyteflood L18

Cat. no.	Description
8276EWH	Matte white
8276EBK	Matte black



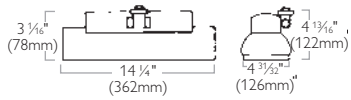
Lamping: 2 Lt. 18W (10 1/2") twin tube

Produces a soft wash using half the energy of incandescent light. A single adapter allows for vertical and horizontal adjustment.

Lyteflood L24

Lyteflood L24

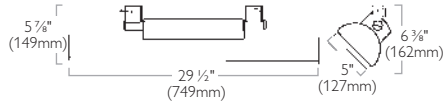
Cat. no.	Description
8277EWH	Matte white
8277EBK	Matte black



Lamping: 2 Lt. 24/27W

Provides a medium-intensity wash of light equivalent to 150W of incandescent light using 60% less energy. A single adapter allows both vertical and horizontal adjustment.

Lyteflood L40



Electronic ballast

Cat. no.	Description
8279ENBK	Matte black, metallized louver 2 Lt. 40W (22 1/2") twin tube
8279ENWH	Matte white, metallized louver 2 Lt. 40W (22 1/2") twin tube
8279ENWWH	Matte white, white louver 2 Lt. 40W (22 1/2") twin tube

Lamping: 2 Lt. 24/27W

Lyteflood 277V for ProSpec track

Cat. no.	Description
37240WH	Lyteflood, 277V, 2 x 40W twin tube, white
37240BK	Lyteflood, 277V, 2 x 40W twin tube, black

See page 2.88 for 277V ProSpec Track.

Style Jack

Lytespan low voltage

These elegantly styled, miniature pendants are easily customized into a variety of designs. Style Jacks can be clustered together to create a "free form" chandelier or a row of pendants that produce a "screen of light." A complete Style Jack consists of a decorative Style Jack Shade, a Lytedrop (with a 20W or 35W halogen lamp) and a Power Jack. The shade, Lytedrop and Power Jack have separate catalog numbers and combine interchangeably. Please specify and order each separately.

How to select a Style Jack

Step 1: Choose a Style Jack shade (see page 2.30). Our variety of styles offer many choices to answer different design and architectural requirements.

Step 2: Choose a Lytedrop (see 2.31). Your choice of cable or stem. Each uses a halogen lamp (not included) and etched glass shield.

Step 3: Choose a Power Jack (see 2.34). Power Jacks are equipped with easily dimmable magnetic transformers that are thermally protected and accept any Focal Jack.

Large Cone

Large Cone

Cat. no.	Description
42252WH	Satin white
42252GR	Banker's green
42252CR	Cratere etched glass

Note: 42252 series is compatible with Stem Lytedrops only. They should not be used with One-piece wire or coaxial cable Lytedrops.

Mini Dome

Mini Dome

Cat. no.	Description
8640WH	Satin white
8640BL	Cobalt blue

Cucumber

Cucumber

Cat. no.	Description
42225WH	Satin white
42225BL	Satin blue

Mini Cone (triple cased glass)

Mini Cone

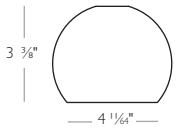
Cat. no.	Description
8641WH	Satin white

Lytedrop

Lytespan low voltage

Lytedrops support the decorative Style Jack shades and plug into Power Jacks. They enclose 20W or 35W T4 12V Bi-Pin (GY6.35) halogen lamps in an etched glass diffuser. All Lytedrops plug into the Power Jack with a locking device. The one-piece wire Lytedrops can be field-shortened and suspended from a sloped ceiling. One-piece wire Lytedrops have the look of a stem, but can be field cut without use of an accessory. The 30", 42" and 60" rigid stem Lytedrops have a concealed flex device to absorb impact if bumped. Rigid stem Lytedrops cannot be plugged together but can be field cut using a separate accessory

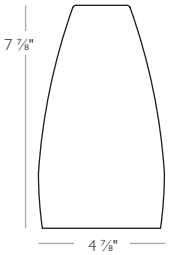
Globe



Globe

Cat. no.	Description
8685LC*	Light caramel

Tall Bell



Tall Bell

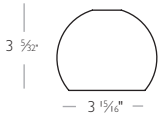
Cat. no.	Description
8686LC*	Light caramel

Coaxial cable Lytedrop

6' Cable

Cat. no.	Description
8632AL	Steel cable

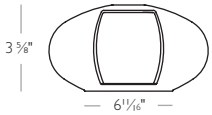
Mirrored Globe



Mirrored Globe

Cat. no.	Description
8684MR*	Mirrored

Swirl



Swirl

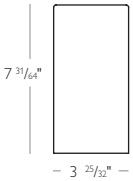
Cat. no.	Description
8682WH*	White

One-piece wire Lytedrop

10' One-Piece Wire

Cat. no.	Description
8629WH	Matte white
8629BK	Matte black

Transparent Cylinder



Transparent Cylinder

Cat. no.	Description
8683WH*	White

Lytedrop Lamping & Etched Glass

Lytedrop Lamping

Cat. no.	Description
56360	T4 12V 20W
56361	T4 12V 35W

Etched Glass

Replacement diffuser

Cat. no.	Description
58620WH	Matte white
58620BK	Matte black
58620AL	Aluminum

Note: Use 58621 to shorten stem Lytedrop. (includes metal top piece)

Stem Lytedrop

30" Stem

Cat. no.	Description
8628WH	Matte white
8628BK	Matte black

42" Stem

Cat. no.	Description
8626WH	Matte white
8626BK	Matte black

60" Stem

Cat. no.	Description
8627WH	Matte white
8627BK	Matte black

*A characteristic of blown glass is variation in color and sometimes even in size and shape.

Focal Jacks

Lytespan low voltage

How to select a Focal Jack

Step 1: Choose a Focal Jack Spotlight (see page 2.32). LyteJacks feature spotlights called Focal Jacks that plug into Power Jacks. They are easily interchangeable with the flexibility of a (plug-in) Jack system. A complete fixture consists of a Power Jack, Extender Stem (optional) and a Focal Jack spotlight. Each must be Ordered separately.

Step 2 (optional): Choose an Extender Stem (see 2.31). Select the length of stem that best suits your needs. (Focal Jacks can also be used without an Extender Stem.)

Step 3: Choose a Power Jack (see 2.34). Power Jacks are equipped with easily dimmable magnetic transformers that are thermally protected and accept any Focal Jack.

For Accessories see 2.164.

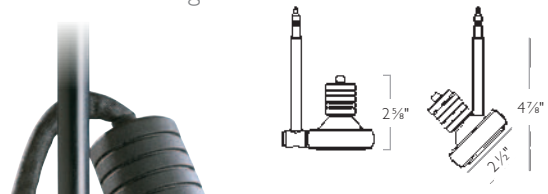
MR16 Geostar

Geostar

Cat. no.	Description
8672WH	Matte white
8672BK	Matte black

Lamping: MR16 Bi-Pin 50W max.
Accessories: Accepts one accessory.
Framing projector: 6497.
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.

Sof-Tech MR16 ring



Sof-Tech ring

Cat. no.	Description
8675BWH	Matte white
8675BBK	Matte black

Lamping: MR16 Bi-Pin 50W max.
Accessories: Accepts one accessory.
Accessory holder: 7662.
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.
Louver: AL2 series.

Sof-Tech MR16

Die cast aluminum housing fully encloses lamp back and socket.

Accessories
One color or diffusion series filter or louver plus snoot (optional). Color filters may not be used with a Snoot.

Sof-Tech

Cat. no.	Description
8676BWH	Matte white
8676BBK	Matte black
8676BAL	Aluminum

Lamping: MR16 50W max 37W max IR.
Accessory holder: 7662.
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.
Louver: AL2 series.
Snoot: 22SR6 series.

Focal Jacks

Lytespan low voltage

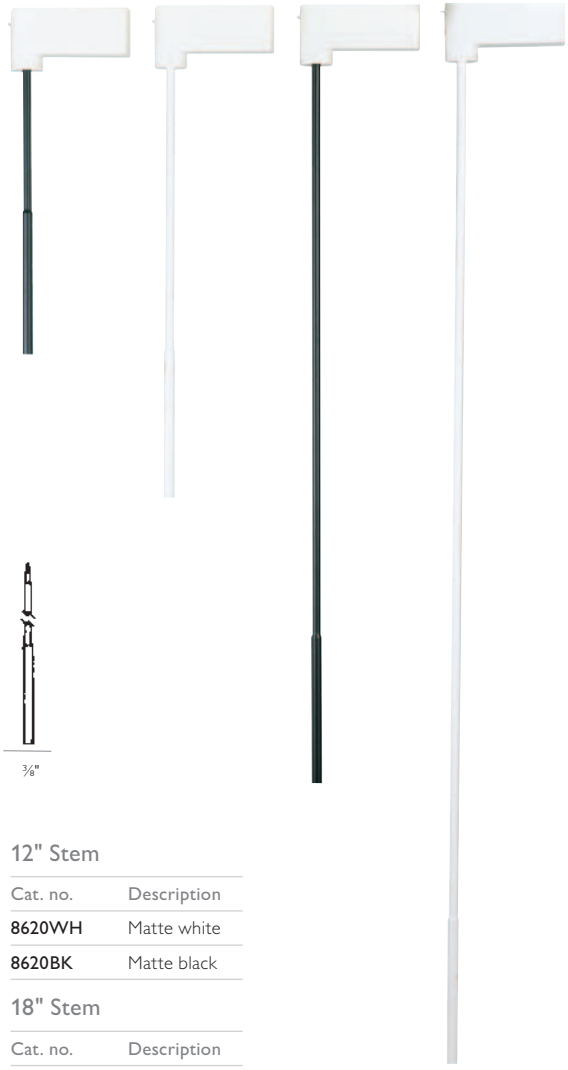
How to select a Focal Jack

Step 2 (optional): Choose an Extender Stem (see 2.31).Stems plug into Power Jacks and position Focal Jacks closer to the object being lighted. The 30" and 42" stems have an innovative "concealed flex" to absorb impact. One of these may be used with the 12" or 18" stem to increase the length up to 57". Plug connections are concealed. Stems can be shortened using separate accessory (see below).

Note: Stem lengths shown are overall length to the "hub" of the Focal Jack. When using two stems together, subtract 3" to get overall stem length. Extender Stems accept either Focal Jacks or another Extender Stem. Do not accept Lytedrops.

For Accessories see 2.164.

Extender stems



12" Stem

Cat. no.	Description
8620WH	Matte white
8620BK	Matte black

18" Stem

Cat. no.	Description
8621WH	Matte white
8621BK	Matte black

30" Stem

Cat. no.	Description
8622WH	Matte white
8622BK	Matte black

42" Stem

Cat. no.	Description
8623WH	Matte white
8623BK	Matte black

Stems can be joined (57" max)
Extender Stems cannot be used with Lytedrops

Sloped ceiling stem

12" Stem

Cat. no.	Description
8630WH	Matte white
8630BK	Matte black

Accepts extender stems.

Accessory to field shorten

Accessory to field shorten Focal Jack extender stems or rigid stem Lytedrops* (Order 1 per stem)

12" Stem

Cat. no.	Description
58621WH	Matte white
58621BK	Matte black

2⅜" Height x 7/8" diameter.
* Not for use with Sloped Ceiling Stem.

How to select a Focal Jack

Step 3: Choose a Power Jack. Power Jacks are equipped with electronic transformers and accept any Focal Jack. All track, surface and recessed mounted Power Jacks (except Point Power Jacks) have integral transformers available in 10W to 50W. The Point Power Jack is used with either a 75W or 225W remote transformer. All Power Jacks are UL listed.

For Accessories see 2.164.

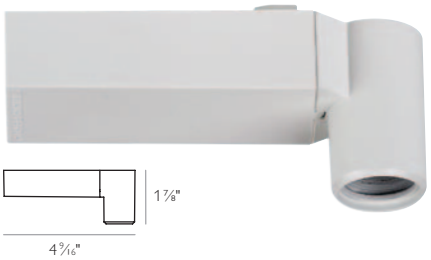
Power Jacks

Lytespan low voltage

Track Power Jack

Mounts to Lytespan Radius, Basic or Advent Track. Compact, slender design blends into track. (Not for use with pipe clamp or extension wands.)

10-50W Transformer (electronic)



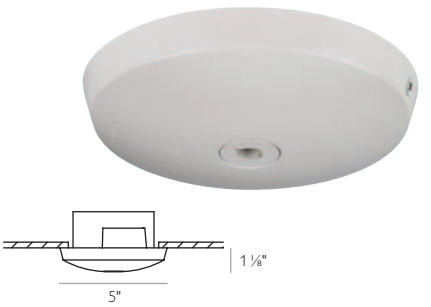
Power Jack

Cat. no.	Description
8610EWH	Matte white
8610EBK	Matte black
8610EAL	Aluminum

Surface Power Jack

Mounts to a standard 4" octagon outlet box. Flat canopy and rounded transformer compartment are as small as possible.

10-50W Transformer (Electronic)



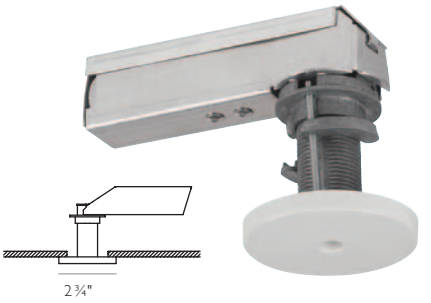
Power Jack

Cat. no.	Description
8611EWH	Matte white
8611EBK	Matte black
8611EAL	Aluminum

Remodeler Power Jack

May be installed from below existing ceilings, with a 6" minimum clearance above ceiling. Complies with UL and the National Electrical Code for type non-IC ceilings. For end-of-run wiring only. Compatible with ceilings up to 1 1/2" thick. Cover plate included.

10-50W Transformer (electronic)



Power Jack

Cat. no.	Description
8612EWH	Matte white
8612EBK	Matte black
8612EAL	Aluminum

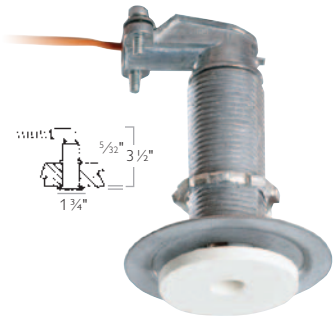
Power Jacks

Lytespan low voltage

Point Power Jack from above ceiling

Sleek, 1 3/4" diameter, 5/32" thick ceiling plate. Point includes 8' of 16 ga. wire to connect directly to a remote transformer (75W or 225W).

Use T-Bar Accessory 8618 for suspended ceiling systems.



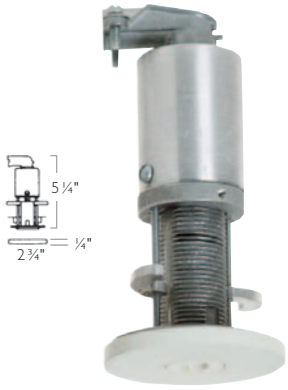
Power Jack

Cat. no.	Description
8605WH	Matte white

Points for 35, 50 or 75W

Point Power Jack from below ceiling

Point Power Jack installs easily from below into a 2" diameter hole and is secured via an integral screw cam clamp to structurally sturdy surface. Point includes wire leads for splicing to flexible cable (i.e., BX, Greenfield or Romex) for connection to remote transformer. Accepts 16-12 ga. wire to minimize voltage drop.



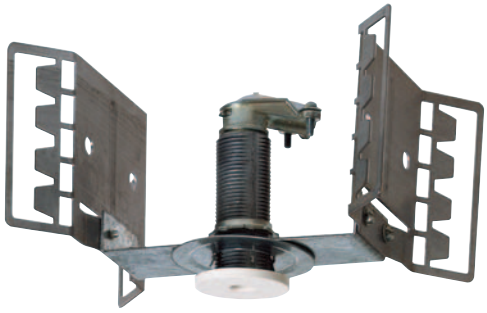
Power Jack

Cat. no.	Description
8606WH	Matte white

Points for 35, 50 or 75W

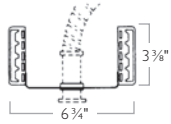
T-Bar accessory

Use T-Bar Accessory with 8605WH (Ordered separately) to secure Power Jack to ceiling structure. Order mounting bars and t-bar mounting clips separately.



T-Bar

Cat. no.
8618



Mounting accessories

18" Mounting Bars

Cat. no.	Description
1950	(Set of 2)

27" Mounting Bars

Cat. no.	Description
1951	(Set of 2)

T-Bar mounting clip accessory

Cat. no.	Description
1956	(Set of 4)

(to secure Mounting Bars to T-Bar)

20" mounting bar extenders

Cat. no.	Description
1964	(Set of 2)

(for Recessed Power Jack)

Metallics

Lytespan line voltage

Metallics incandescent lighting fixtures utilize a completely modular system to provide a range of line voltage lighting options suitable for virtually any environment. A single Metallics incandescent adapter can accept PAR 20, 30 and 38 halogen lamps while utilizing either a dome, barn door or Par-Tech shade.

Features

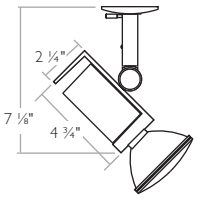
- Swivel features 315° horizontal rotation with 0°- 90° vertical adjustment.
- Swivel features built-in friction control to hold aiming adjustment.
- Shades accept up to two accessories utilizing an optional accessory holder.
- Adapter incorporates an integral aiming arm to allow easy adjustment when fixture is on Par-Tech. PAR Ring Shades and PAR30 bezel shades also available for use with Metallics in Natural Metal **(NM)**, Dark Titanium **(TM)** Matte white **(WH)** finishes.

See Par-Tech line voltage shades, pages 2.128.

Note: For a complete unit, order an adapter plus shade (for example, 8701WH plus 8725WH).
The adapter can also be used alone without a shade if desired.

For Accessories see 2.164.

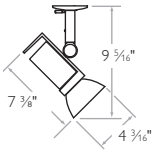
Metallic adapters



8701TM Dark titanium
8701WH Matte white
PAR20 50W, PAR30 75W, PAR38 250W max.

Metallics PAR20 shade

PAR20 dome



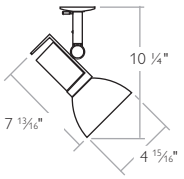
8727NM Natural metal
8727TM Dark titanium
8727WH Matte white
PAR20 50W max.

Accessory holder: 8782

Accessories: Two AF25, ADF25 or AL25 series.

Metallics PAR30 shade

PAR30 dome



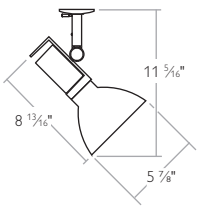
8737NM Natural metal
8737TM Dark titanium
8737WH Matte white
PAR30 75W max.

Accessory holder: 8783

Accessories: Two AF3, ADF3 or AL3 series.

Metallics PAR38 shade

PAR38 dome



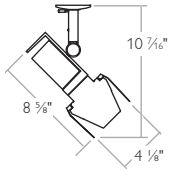
8747NM Natural met
8747TM Dark titanium
8747WH Matte white
PAR38 250W max.

Accessory holder: 8784

Accessories: Two AF4, ADF4 or AL4 series.
150W max. With accessories

Metallics PAR20 shade

PAR20 barn door



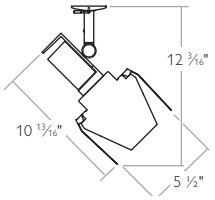
8725TM Dark titanium
8725WH Matte white
PAR20 50W max.

Accessory holder: 8782

Accessories: Two AF25, ADF25 or AL25 series.

Metallics PAR30 shade

PAR30 Barn door



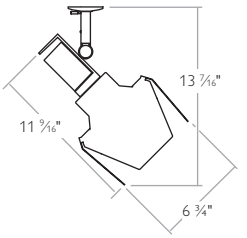
8735TM Dark Titanium
8735WH Matte white
PAR30 75W max.

Accessory holder: 8783

Accessories: Two AF3, ADF3 or AL3 series.

Metallics PAR38 shade

PAR38 Barn door



8745TM Dark titanium
8745WH Matte white
PAR38 250W max.

Accessory holder: 8784

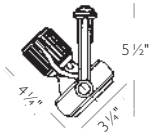
Accessories: Two AF4, ADF4 or AL4 series.
150W max. with accessories

Sof-Tech

Lytespan line voltage

An innovative line of halogen fixtures designed specifically for the PAR16, PAR20, PAR30, and PAR38 lamps. The minimal silhouette has the look of low voltage without the need for transformers. The marriage of die-cast aluminum components with heat-resistant silicone rubber elements results in a refined appearance. A wide silicone band surrounds the lamp ring and the socket cup is enclosed in an articulated silicone housing to provide a comfortable grip for aiming and relamping. These units are engineered to ensure cool operation over the life of the product.

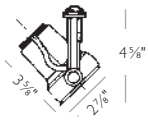
PAR20 rings



8320WH Matte white
8320BK Matte black
8320AL Aluminum
PAR20 50W max.

Accessories: AF25, ADF25 or AL25 series.

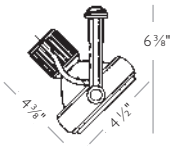
PAR16 spots



8416WH Matte white
8416BK Matte black
8416AL Aluminum
PAR16 75W max.

Accessory holder: 8471
Accessories: One AF2 diffusion, ADF2 color, or AL2 (60W max. /Accessories)

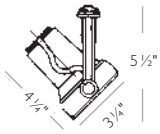
PAR30 rings



8330WH Matte white
8330BK Matte black
8330AL Aluminum
PAR30 75W max.

Accessories: One AF3, ADF3 or AL3 series.

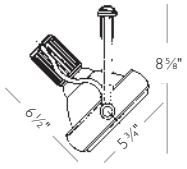
PAR20 spots



8420WH Matte white
8420BK Matte black
8420AL Aluminum
PAR20 50W max.

Accessory holder: 8472
Accessories: One AF25, ADF25 or AL25 series.

PAR38 rings

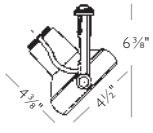


8338WH Matte white
8338BK Matte black
8338AL Aluminum
PAR38 250W max.

Accessories: One AF4, ADF4 or AL4 series. (150W max. w/accessories)

Not suitable for wall mounting.

PAR30 spots



8430WH Matte white
8430BK Matte black
8430AL Aluminum
PAR30 75W max.

Accessory holder: 8473
Accessories: One AF3, ADF3 or AL3 series.

Sof-Tech ring

A die-cast aluminum ring encloses the lamp. Integral cross blade louver provide some glare reduction and can accommodate one accessory. Lamps are slightly regressed to provide better cut-off than typically found in PAR rings.

Sof-Tech spot

Die-cast aluminum spot fully encloses the PAR16, 20 or 30 lamp. Engineered with vents for heat dissipation to ensure cool operation. Relamp from the front for easy maintenance. Optional accessory holder fits snugly into the face of the fixture and can accommodate one accessory.

Note: Sof-Tech Ring and Spots for use with short neck PAR lamps only.

For Accessories see page 2.164.

| Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

Tangent

Tangent

Track lighting

The smallest, most versatile line voltage track lighting system on the planet. Tangent delivers the performance and convenience of line voltage in a profile no larger than most low voltage rail systems. Ideal for commercial, retail and residential applications, Tangent may be surface mounted or suspended, in straight runs or in sweeping architectural curves. Tangent's unique design, diminutive size and strikingly clean lines redefine the state-of-the-art in line voltage track lighting. Tangent may be installed in an infinite variety of configurations. Surface mounted on ceilings or walls, or suspended from wire or stems, in straight or curved patterns. The size of low voltage, the power of line voltage, at a third the size of standard track. Tangent is the world's smallest line-voltage track lighting system.

Tangent low voltage

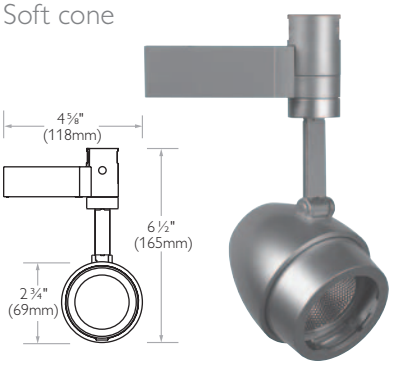
Track lighting

Tangent track, the smallest, most versatile line voltage track lighting system on the planet. Each Tangent luminaire is designed and constructed for superior performance, clean architectural styles and quality. Utilizing a wide variety of lamps including both line voltage (MR16 and T4) and Low voltage (MR16, AR111 and T4). Fixture options include spots, floods, adjustable suspended spots, and miniature decorative pendants.

- Tangent features the smallest available transformer assembly. The silent electronic transformer includes short-circuit and over-heat protection.
- Minimal styling, simple, easy relamping
- Infinite horizontal rotation for maximum aiming flexibility without "dead spots".
- Die-cast aluminum construction

For accessories see page 2.164.

Soft cone



FX16S Silver

12V MR16 Halogen 50W Max or 37W Max IR
Accessories may be used with 37W Max lamp only

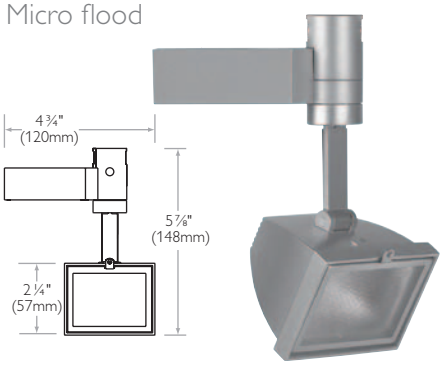
Accessories: Accepts two total (1 lens plus either 1 louver or 1 snoot).

Louver: AL2HC

Snoot: 22SR6AL

Lens: AF2 or ADF2 series.

Micro flood

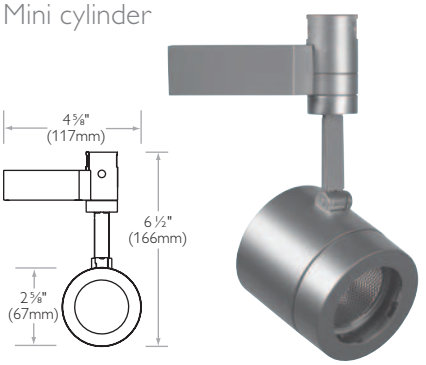


FXT4F Silver

12V T4 2-pin (clear only) GY6.35 Base, Transverse filament recommended 50W max Solite® beam softening lens included

Accessories: No accessory capability.

Mini cylinder



FX16C Silver

12V MR16 Halogen 50W Max or 37W Max IR

Acc. holder: Integral

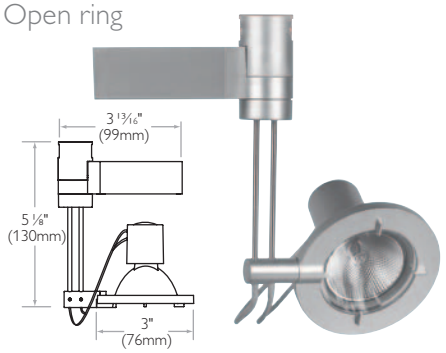
Accessories: Accepts two total (1 lens plus either 1 louver or 1 snoot)

Lens: AF2 or ADF2 series.

Louver: AL2HC

Snoot: 22SR6AL

Open ring



FX16R Silver

12V MR16 Halogen GU5.3 Base 50W Max or 50W Max IR

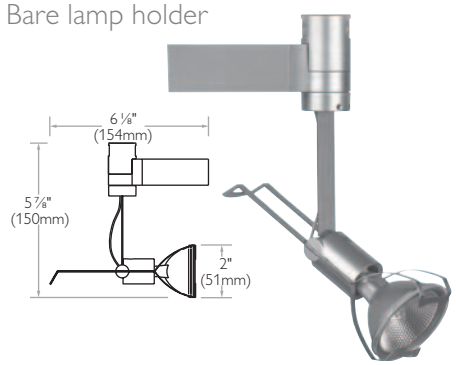
Acc. holder: Integral

Accessories: Accepts one accessory lens; replaces clear glass shield provided with fixture

Lens: AF2 or ADF2 series.

Snoot: Can be used with 22SR6AL only with clear lamp shield provided.

Bare lamp holder



FX16B Silver

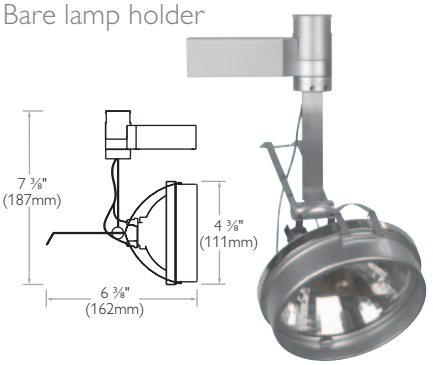
12V MR16 Halogen 50W Max or 50W Max IR

Acc. holder: Integral

Accessories: Accepts one accessory lens; replaces clear glass shield provided with fixture

Lens: AF2 or ADF2 series.

Bare lamp holder



FXA1B Silver

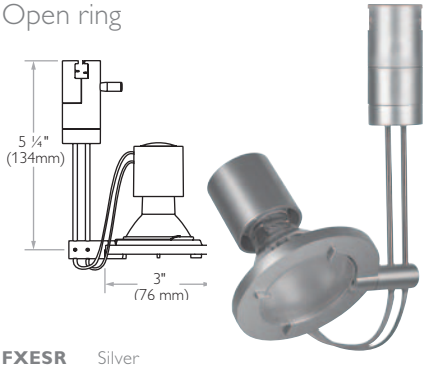
12V AR111 Halogen G53 Base 50W Max

Accessories: No accessory capability

Tangent line voltage/suspended

Track lighting

Open ring



FXESR Silver

120V Halogen GU10 or GZ10 Base 50W Max
Solite® beam softening lens included.

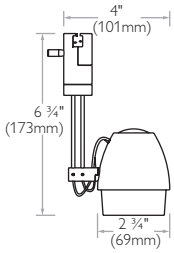
Acc. holder: Integral

Accessories: Accepts two total (1 lens plus either 1 louver or 1 snoot)

Lens: AF2 or ADF2 series.

Louver: AL2HC

Soft cone



FXESS Silver

120V Halogen GU10 or GZ10 Base 50W Max
Solite® beam softening lens included.

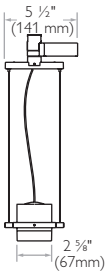
Accessories: Accepts two total (1 lens plus either 1 louver or 1 snoot)

Lens: AF2 or ADF2 series.

Louver: AL2HC

Snoot: 22SR6AL

Suspended mini cylinder



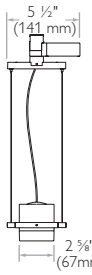
FX16SC Silver

120V MR16 Halogen 50W Max or 37W Max IR
6' stainless steel cables and powercord. Field cuttable.

Acc. holder: Integral

Accessories: Accepts two total (1 lens plus either 1 louver or 1 snoot)

Suspended glass cylinder

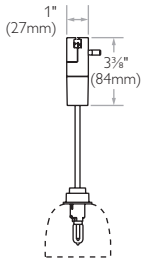


FX16GC Silver

120V MR16 Halogen 50W Max or 37W Max IR
6' stainless steel cables and powercord. Field cutable.

Accessories: No accessory capability

T4 pendant



FXT4P Silver

120V T4 Halogen G9 Base 40W Max Frosted or Clear
Cable mounted, curved Suspension Truss

Accessories: No accessory capability

How to order mini pendants

Step 1: select the desired light source.
Low voltage T4 lamps are extremely compact and bright, perfect for the smallest shades.
Line voltage T4 lamps produce the same bright halogen light without a transformer and are easily dimmable with standard incandescent dimmers.

Step 2: select the desired shade
Choose from over a dozen styles and colors of hand-blown glass and spun aluminum shades. All mini shades are compatible with both the FXG9 and FXT4 mini pendants.

FXPDT pendant adapter

For use only with pendants supplied by others, that meet the following criteria:

- Total weight of all components being attached to adapter does not exceed 2.5 lbs.
- Pendant cord type is 1/4" dia. 18 ga. 3-wire, 300V min. SVT, with .062 dia. aircraft cable, or without aircraft cable.
- Pendant is rated 120V/60Hz., .83A max, 100W max. See pages 320-321 for shade offering.
- Refer to Lytejacks page 2.30-2.31 for complete glass shade offering. Also compatible with Forecast mini shades.

Tangent surface mount track

Surface mount

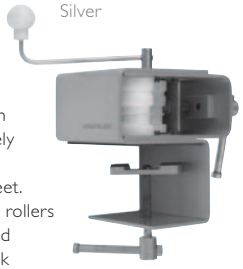
Innovative side by side buss-bars minimize overall height and allow Tangent to be mounted directly to ceilings and walls without bulky stand-offs. Tangent line voltage track is rated for a full 20 amps at 120V. Tangent may be installed in an infinite variety of configurations. Surface mounted on ceilings or walls, or suspended from wire or stems, in straight or curved patterns.

Field bendable for custom configurations

Tangent may be field bent to a minimum radius of 3 feet allowing for an infinite variety of custom configurations in any application.

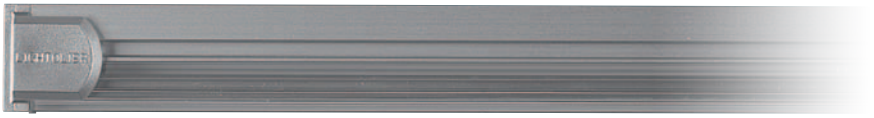
Bending machine

FX100 Silver



The Tangent bending tool allows Tangent surface track, suspension beam and truss to be precisely field bent down to a minimum radius of 3 feet. Scratch resistant nylon rollers are specifically designed to accept all three track profiles. Completely assembled of durable steel, requires no power. Tool clamps easily to table or work surface.

Surface mount track



FX04	Silver	Plain surface track 4'
FX08	Silver	Plain surface track 8'
FX12	Silver	Plain surface track 12'

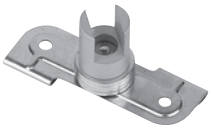
For mounting directly to ceilings or walls. Extruded aluminum/polycarbonate construction. Includes two end caps as shown. Anchors/mounting clips not included (order separately).

Note: Surface mount anchors or clips are required a minimum of every 3 feet on surface mount track. Anchors/clips are available in packs of 5; order accordingly. Consult specification sheet #FX for installation details.

Mounting anchors

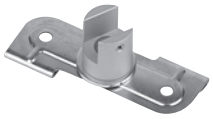
FX25 Surface mount anchors

Mounts track to hard ceilings/walls. Pack of 5 anchors with hex wrench.



FX87 Regressed-edge clips

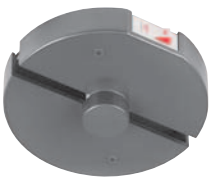
For regressed-edge grid ceilings. Pack of 5 clips with hex wrench.



FX89 Square-edge clips

For square-edge grid ceilings. Pack of 5 clips with hex wrench.

Surface Powertrip



FX99 Silver

Powertrip feed kit for surface track. Compatible with pld plug in breakers. Refer to page 2.163 for complete listing of breaker modules.

Power feeds

FX48 Silver

Surface power feed supplies power anywhere along track. For direct wiring without a j-box

FX61 Silver

Surface power feed from J-Box

FX61WH White

Surface power feed from j-box - white. Supplies power anywhere along track. Includes canopy cover for j-box.

FX96 Silver

Grid ceiling power feed

FX96WH White

Grid ceiling power feed

Supplies power anywhere along track.

Mounts directly to grid ceiling runners. Includes canopy cover for J-box.

Connectors

FX54 Silver

In-line connector electrical/mechanical

Connects surface track in straight runs with continuous power. Not a power feed device.

FX55 Silver

In-line connector mechanical only

Connects surface track in straight runs without continuous power. Not a power feed device.

FX53 Silver

Variable angle connector electrical/mechanical

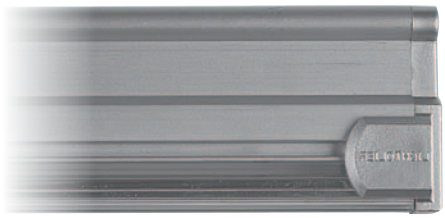
Connects surface track to provide flexibility when creating patterns with continuous power. Not a power feed device.

FX52 Silver

Variable angle connector mechanical only

Connects surface track to provide flexibility when creating patterns with continuous power. Not a power feed device.

Tangent suspended track



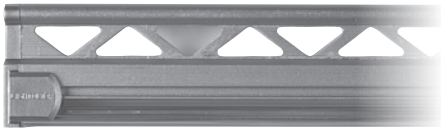
Suspension beam

Crisp architectural design is ideal for suspended applications where a larger profile is desired. Tangent suspension truss Perforated truss makes a dramatic statement in suspended applications with a unique "engineered" aesthetic.

Field bendable for custom configurations

Tangent may be field bent to a minimum radius of 3 feet allowing for an infinite variety of custom configurations in any application when using tangent bending machine.

Suspension beam



FXT08 Clear anodized plain truss 8'

For suspension from cable or stem kits. Extruded aluminum/polycarbonate construction. Includes two end caps as shown. Power feed and suspension kits sold separately.

Suspension truss

FXS04 Clear anodized plain beam track 4'
FXS08 Clear anodized plain beam track 8'
FXS12 Clear anodized plain beam track 12'

Connectors

FXS54 Silver

In-line connector electrical/mechanical

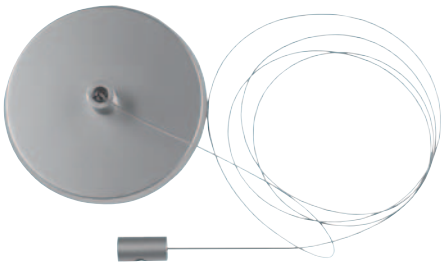
Connects suspension beam and truss in straight runs with continuous power. Not a power feed device.

FXS55 Silver

In-line connector mechanical only

Connects suspension beam and truss in straight runs without power. Not a power feed device.

Cable kit



FXS68 Silver

Cable suspension kit

8' adjustable stainless steel aircraft cable. Installs on hard or grid ceilings. Ceiling canopy included. For suspension only - not a power feed device.

Note: Cable Kits are required a minimum of every 6 feet on Suspended Beam or Truss track. Cable Kits include one suspension point each; order accordingly. Consult specification sheet #FXS for installation details.

Stem kit

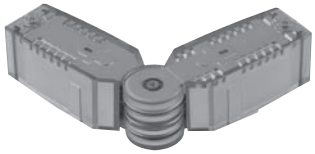
FXS84 Silver

18" Stem suspension kit

FXS86 Silver

48" Stem suspension kit

Note: Stem Kits are required a minimum of every 6 feet on Suspended Beam or Truss track. Stem Kits include one suspension point each; order accordingly. Consult specification sheet #FXS for installation details. ¼" diameter solid steel stems. Install on hard or grid ceilings. Ceiling canopy included. Stems may be field shortened. For suspension only - not a power feed device.



FXS53 Silver

Variable angle connector

Electrical/mechanical

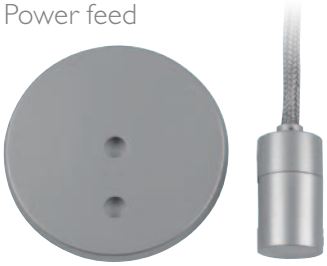
Connects surface track to provide flexibility when creating patterns with continuous power. Not a power feed device.

FXS52 Silver

Variable angle connector mechanical only

Connects surface track to provide flexibility when creating patterns with continuous power. Not a power feed device.

Power feed



FXS67 Silver

20A feed supplies power anywhere along track. 10' power cable may be field shortened. Includes canopy cover for J-box. For power feed only - not a suspension device.

Suspended Powertrip

FXS99 Silver

Powertrip feed kit for suspended track. Compatible with PLD plug in breakers. page 2.163 for complete listing of breaker modules.

Translite

Translite

Translite low voltage

The visual experience of light defines an interior setting. Premium product quality and product choice are the hallmarks of excellent lighting. That's why we cultivate superior low voltage lighting, luxurious fabrics and unparalleled decorative glass. Our innovative and versatile lighting products allow designers to enhance today's architectural interiors in distinctly fresh ways.

Our versatile product offering with a wide array of options gives designers and customers the flexibility to channel their creativity into stunning displays of light, texture and color. Excellent design and premium materials guarantee a long-lasting product. Translite Systems low voltage systems consistently reflect a product quality that raises the industry bar for low voltage lighting. With discreet elegance, our low voltage fixtures feature a universal system connector that allows fixtures to be used interchangeably between our different low voltage systems and a selection of canopies. The craftsmanship of Translite Systems glass is apparent when you see the skillfully mouth-blown glass layer upon layer, carefully interlaced with frit in a time-intensive process. The quality is unmistakable and the look is striking.

Basis

Translite low voltage

Basis is a versatile low voltage lighting system with clean minimal lines that complement any architectural style or interior design.

- Rigid, ideal for straight or curved designs
- Flush to ceiling or drops up to 10 feet
- Wall mount for added versatility

Basis Track – Microspot E fixture– Caesars Palace – Las Vegas, NV
Photographer: Andy Ahart

Basis Track - Microspot D fixture –Reno NV

Basis Track - Retro 16 fixture – Kips Bay Theater – New York, NY

Designing a Basis track system

Step 1. Establishing lighting priorities

When designing a Basis track system it is important to determine the key elements that you want to illuminate. Paintings, sculptures and displays require accent lighting to make them stand out. Wall surfaces react differently with varied lighting techniques. For example, mounting fixtures very close to a vertical surface—a technique called grazing—will bring forth the texture of a surface, such as masonry. Whereas fixtures mounted farther away from a wall—a technique called washing—will subdue the texture of the surface. When designing your Basis track system, it is also important to harmonize the track lighting with other light sources that may be used in your space. Working with a few basic lighting concepts will ensure that the Basis track system fulfills your lighting requirements.

Step 2. Creating your optimal design

Architecture defines how light is diffused and how the Basis track system will be installed. Vaulted ceilings with open beams and trusses will require a different lighting configuration than the modern office space of glass and brushed metal surfaces. Basis track is a versatile lighting system with clean, minimal lines that can complement any architectural style and interior design. Basis track may be suspended from ceiling or wall surfaces. Use the track for long, linear runs or have the factory bend the track into intricate curves and complicated architectural shapes. Basis track allows you to create a completely custom installation with standard components and your vivid imagination. Take a look at the following pages to find the different hardware options available for mounting and building a Basis track system.

Step 3. Putting your ideas on paper

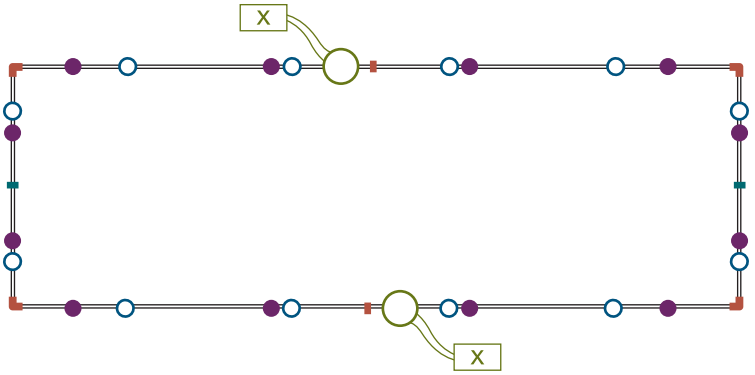
The easiest way to design a new system is to do a quick sketch. Taking into consideration your lighting priorities and the architecture of the space you would like to illuminate, sketch out a rough drawing of how you would like the track to look and where you would like to put the fixtures. This simple exercise will ensure that your design provides the style and the lighting you require.

Step 4. Selecting your fixtures

Basis track fixtures do not simply illuminate your space, but allow you to accentuate the architectural features and character of your space. Prospective jobs become easels for the creation of stunning compositions of light, texture and color. Refer to our low voltage fixtures section to peruse the wide selection of elegant hand blown glass, fabric and precision machined metal fixtures that make Translite Systems well known for distinctive lighting.

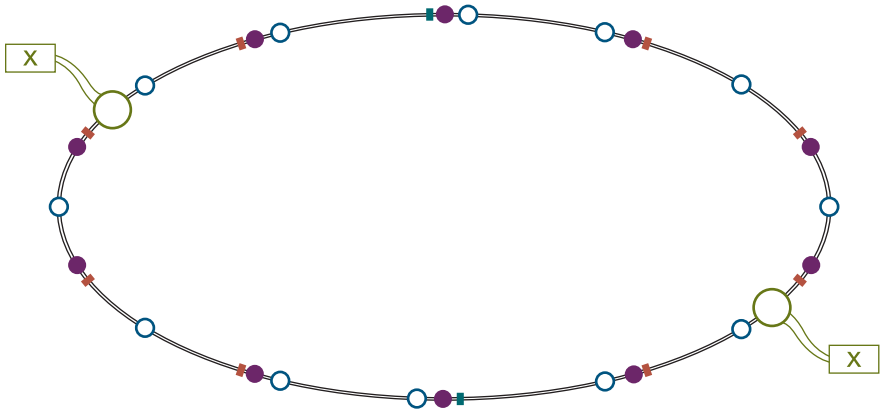
Designing a Basis track system

12' x 4' Rectangle – 10' drop



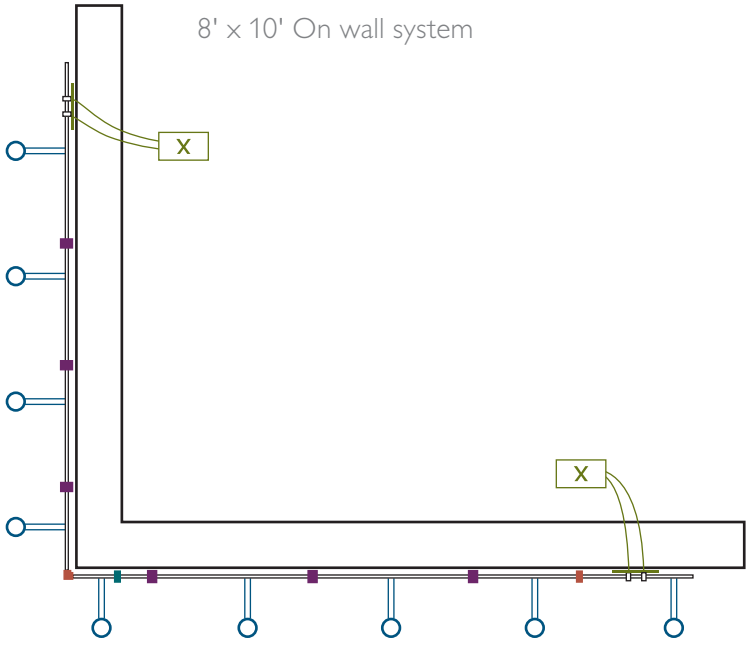
No. of fixtures:	12 (30" spacing)
Total wattage:	600 (50w per fixture)
Conductor	
(4x) Basis Track 8'	BT8-505-PN
Hardware	
(12x) ceiling anchor: cable	BT-310-PN
Couplers	
(2x) couplers	BT-512-PN
(4x) adjustable couplers	BT-513-PN or BT-522-PN
(2x) isolators	BT-511-BK
Power	
(2x) power canopies	BT-509-PN
(2x) remote power supplies	PS6, TSQ 300 or BT-528-PN
power cable	503 (ordered by foot)
Fixtures	
(12x) fixtures	to be specified

12' x 6' Oval – 3.5" drop



No. of fixtures:	12 (36" spacing)
Total wattage:	600 (50w per fixture)
Conductor	
(2x) Basis Track 8'	BT8-BND-RB
(4x) Basis Track 4'	BT4-BND-RB
Hardware	
(10x) ceiling anchor: stem	BT-316-RB-3.5
Couplers	
(6x) couplers	BT-512-RB
(2x) isolators	BT-511-RB
Power	
(2x) TSQ 300 power supplies	TSQ 300 or BT-528-RB
(2x) power canopies	BT-509-RB
power cable	503 (ordered by foot)
Fixtures	
(12x) fixtures	to be specified

8' x 10' On wall system



No. of fixtures:	9 (24" spacing)
Total wattage:	450 (50w per fixture)
Conductor	
(2x) Basis Track 8'	BT8-505-AL
(1x) Basis Track 4'	BT4-505-AL
(2x) end caps	BT-808-BK
Hardware	
(6x) wall anchors	BT-312-AL
Couplers	
(1x) coupler	BT-512-AL
(1x) adjustable coupler	BT-513-AL or BT-522-AL
(1x) isolator	BT-511-BK
Power	
(2x) power plates	BT-508-AL
(2x) remote power supplies	PS6, TSQ 300 or BT-528-AL
power cable	503 (ordered by foot)
Fixtures	
(12x) fixtures	to be specified

Conductor

Basis

Ordering code

BT – ☐ – ☐ – ☐

Overall length

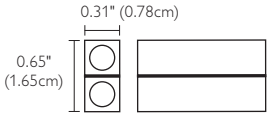
4 4' length	**8** 8' length

Model

505 Straight	**BND** Bend	**CUT** Cut

Metal finish

AL Satin aluminum	**PN** Polished nickel	**RB** Rubbed bronze	**GB** Gloss black	**WH** White (vertical white)



Factory bendable basis track (BT-505)

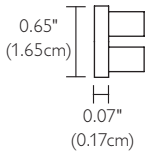
- Aluminum, Polished nickel, Rubbed bronze, white or Gloss black: Conductors constructed of extruded aluminum. Spans up to 48" between supports.
- Rubbed bronze: Conductors constructed of solid brass with an elegant bronze finish. Spans up to 24" between supports.
- Square tube construction; field cuttable.
- Available in 4' or 8' lengths.
- Field bendable with bending tool (TS-BND).
- Rated for 300 watts at 12 volts and 600 watts at 24 volts.
- AL, GB, PN, WH mount every 48" and RB mounts every 24".
- Refer to box below to estimate curved runs. Bendable at factory to as small as an 18" radius.
- Note: White track is painted on sides only

Ordering code

BT (Code) – 808 (Model) – ☐

Color

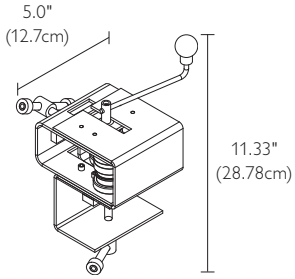
BK Black	**WH** White



End cap (BT-808-XX)
Black or white decorative cap covers the ends of Basis track and provides a clean elegant finish to the end of a track run.

Ordering code

TS – BND



Basis track bending tool (TS-BND)
Metal crank assembly with plastic rollers designed for bending Basis track. Protective padding protects mounting surface. Use of the bending tool to bend track is done at the discretion of the user. Translite Systems does not warranty track bent in the field.

Basis bending instructions

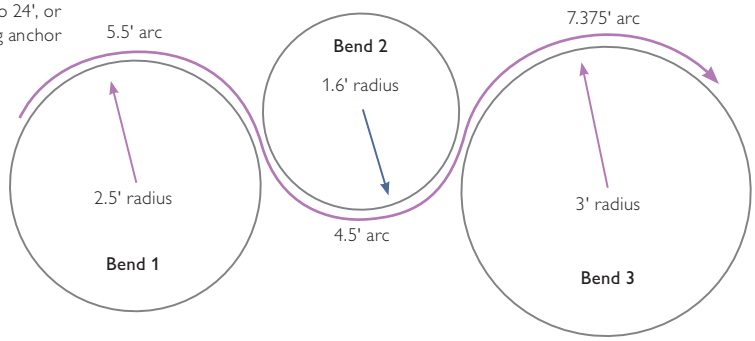
Field bending
Whereas field bending is good for small runs with a simple bend, more complicated architectural shapes should be bent by the factory.

Factory bending
For factory bends of more than one radius, all orders or requests for quotations must be accompanied by a full size template or electronic drawing that details both the radius and arc length of all curves. Determine total length of track needed, ordering in 4' and 8' increments. For example, a circle with a radius of 2.5' (5' diameter) would require track to make a circle with a circumference of π x diameter (3.14 x 5') or 15.7' circumference. Add 25%: 15.7' x 1.25 = 19.25' of usable track which rounds to 24', or four 8'. Specify enough couplers for each track connection. Order a mounting anchor for the apex of each curve (to secure bend).

Example
Bending the curve illustrated below would require:

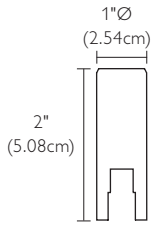
Bend 1:	5.5' track x 1.25 = 6.875'	(order one 8' length)
Bend 2:	4.5' track x 1.25 = 5.625'	(order one 8' length)
Bend 3:	7.375' track x 1.25 = 9.21'	(order one 8' length & one 4' length)

Total order: 28 feet of track (three 8' lengths & one 4' length)



Mounting hardware

Ceiling anchor (BT-311)
Used to anchor Basis track. (AL, GB, PN, WH mount every 48" and RB mounts every 24".) Not for use with BT-526. Supplied with isolating washer.



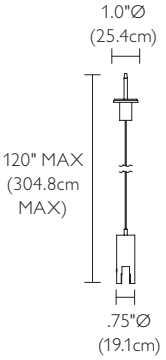
Ordering code

BT	–	311	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Ceiling anchor: cable (BT-310)
Supports ceiling mounted Basis track with aircraft cable. Supplied with 10' of cable, isolating washer. Field adjustable. (AL, GB, PN, WH mount every 48" and RB mounts every 24".) Recommended for sloped ceiling applications.



Ordering code

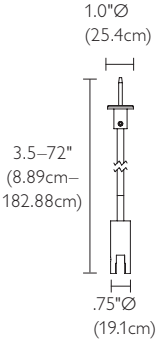
BT	–	310	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Ceiling anchor: stem (BT-316)
Supports ceiling mounted Basis track with field adjustable rigid stem. (AL, GB, PN, WH mount every 48" and RB mounts every 24".) Supplied with isolating washer.

*When ordering lengths greater than 3.5", overall length must be specified in whole inches. No fractional inches.



Ordering code

BT	–	316	–		–	
Code		Model				

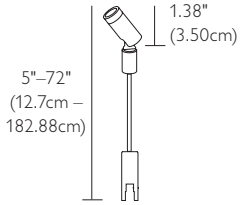
Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Overall length

3.5" – 72"
Specify length*
in 6" increments

Sloped ceiling anchor (BT-308)
Used to attach Basis track to a sloped ceiling. Field adjustable. (AL, GB, PN, WH mount every 48" and RB mounts every 24".) Supplied with isolating washer.



Ordering code

BT	–	308	–		–	
Code		Model				

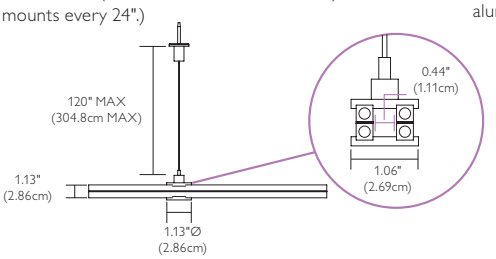
Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Overall length

5" – 72"
Specify length
in 6" increments

Dual basis clip: cable (BT-375)
The Dual Basis Clip supports two parallel Basis conductors to enable installation of two separate Basis systems side by side. Each conductor requires separate power connections. Supports ceiling mounted Basis track with field adjustable aircraft cable. Supplied with 10' of cable. (AL, GB, PN, WH mount every 48" and RB mounts every 24".)



Ordering code

BT	–	375	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Mounting hardware

Basis

Ordering code

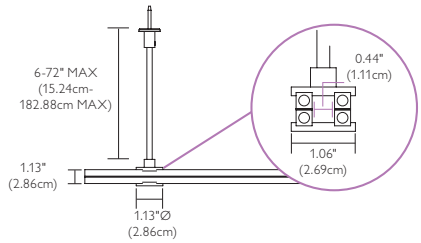
BT	–	380	–		–	
Code		**Model**				

Metal finish

AL	**PN**	**RB**	**GB**	**WH**
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Overall length

6" – 72"
Specify length



Dual Basis clip: stem (BT-380)
The Dual Basis Clip supports two parallel Basis conductors to enable installation of two separate Basis systems side by side. Each conductor requires separate power connections. Supports ceiling mounted Basis Track with field adjustable rigid stem. (AL, GB, PN, WH mount every 48" and RB mounts every 24".)

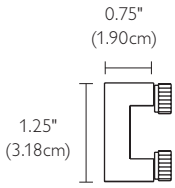
Ordering code

BT	–	312	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**	**GB**	**WH**
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Wall anchor (BT-312)
Used to attach Basis track to any surface. Can be used for ceiling. (AL, PN, GB and WH mount every 48" minimum. RB mount every 24" minimum.)



Ordering code

BT	–	324	–		–		–	
Code		**Model**						

Canopy

2	**4**
2" Canopy	4" Canopy

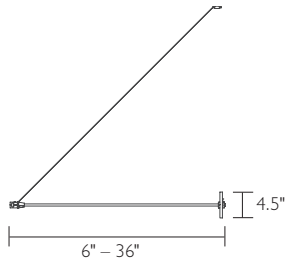
Overall length

6" – 36"
Specify length

Metal finish

AL	**PN**	**RB**	**GB**	**WH**
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Wall cantilever anchor (BT-324)
Used to cantilever Basis track up to 36" off a vertical surface. (AL, PN and GB mount every 48" maximum. RB mount every 24" maximum. Field cuttable.)



Couplers

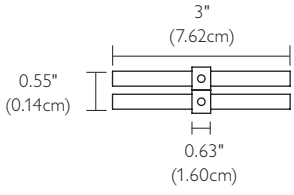
Ordering code

BT	–	512	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**	**GB**	**WH**
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Coupler (BT-512)
Mechanically and electrically connects sections of Basis track.



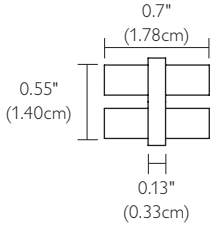
Ordering code

BT	–	511	–	
Code		**Model**		

Finish

Leave blank for black	**WH** White

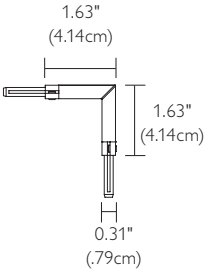
Isolator (BT-511)
Electrically isolates sections of Basis track.



Couplers: wall

Basis

90° Basis ceiling coupler (BT-522)
Mechanically and electrically connects sections of Basis Track. Used to connect 2 sections of Basis track at 90° angles. Order BT-511 to isolate any given leg of track.



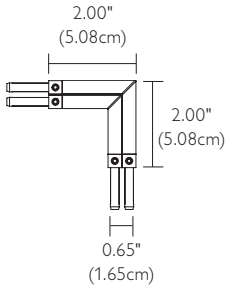
Ordering code

BT	–	522	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

90° Basis Wall coupler (BT-518)
Mechanically and electrically connects sections of Basis track. Used to connect 2 sections of Basis track at 90° angles. Order BT-511 to isolate any given leg of track.



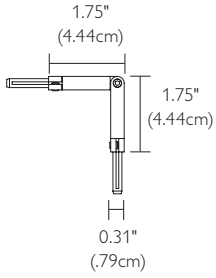
Ordering code

BT	–	518	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Adjustable coupler (BT-513)
Mechanically and electrically connects sections of Basis track. Allows up to 180° of adjustment. Order BT-511 to isolate any given leg of track.



Ordering code

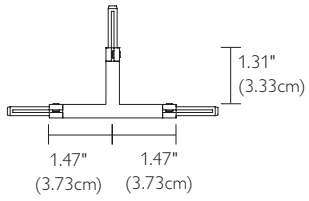
BT	–	513	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Couplers: ceiling

T-Coupler (BT-520)
Mechanically and electrically connects sections of Basis track. Used to connect 3 sections of Basis track at 90° angles. Order BT-511 to isolate any given leg of track.



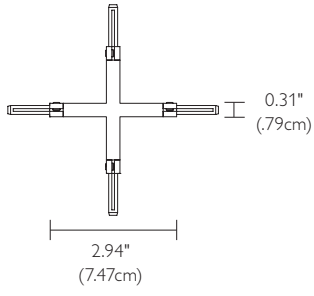
Ordering code

BT	–	520	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

X-Coupler (BT-520)
Mechanically and electrically connects sections of Basis track. Used to connect 4 sections of Basis track at 90° angles. Order BT-511 to isolate any given leg of track.



Ordering code

BT	–	521	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Surface mount transformers

Basis

Ordering code BT – 528 – ___ – ___ – ___

Code BT | **Model** 528

Tap

1 Single tap	**2** Dual tap

Metal finish

AL Satin aluminum	**PN** Polished nickel	**RB** Rubbed bronze	**GB** Gloss black	**WH** White

Power bolt finish

AL Satin aluminum	**PN** Polished nickel	**RB** Rubbed bronze	**GB** Gloss black	**WH** White

300 watt surface mount toroidal magnetic transformer (BT-528)

- U.L.-2108 Standard compliant for low voltage lighting.
- Single and dual tap options. Dual tap recommended for dimming.
- 72" Power feed cable provided. Power bolts included.
- Ceiling or wall mount to 4" octagonal junction box. (May require additional backing.)
- Weight 12 lbs.

Ordering code BT – 526 – ___ – ___

Code BT | **Model** 526

Metal finish

AL Satin aluminum	**PN** Polished nickel	**RB** Rubbed bronze	**GB** Gloss black	**WH** White

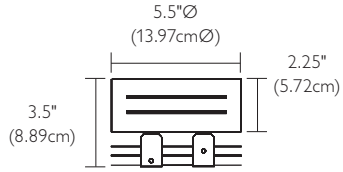
Overall length

3.5" – 72"
Specify length* in 6" increments

*When ordering lengths greater than 3.5", overall length must be specified in whole inches. No fractional inches.

250 watt surface mount AC electronic transformer: stem (BT-526)

U.L.-2108 Covers standard 4" octagonal junction box. Basis track mounts directly to power feeds on the canopy. Suitable for runs up to 16'. Maximum distance from power supply to fixture is 8'. Use with ceiling mount stem BT-316-3.5.

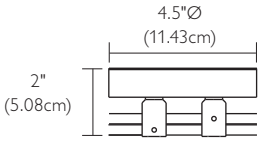


Remote transformer power feeds

Basis

Refer to pages 2.131–2.133 for remote tranformer selection guide.

Power canopy single feed (BT-519)
Covers standard 4" octagonal junction box. Basis track mounts directly to power feeds on the canopy. Use with ceiling anchor BT-311.



Ordering code

BT	–	519	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

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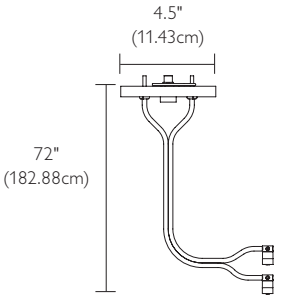
Power canopy single feed (BT-509)
Covers standard 4" octagonal junction box. 72" power feed cable leads provided. Power bolts included.



Ordering code

BT	–	509	–		–	OPI
Code		Model				

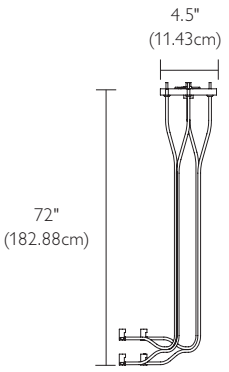
Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Option

C
Chandelier feed

Power canopy dual feed (BT-510)
Covers standard 4" octagonal junction box. 72" Power feed cable leads provided. Power bolts included.



Ordering code

BT	–	510	–		–	OPI
Code		Model				

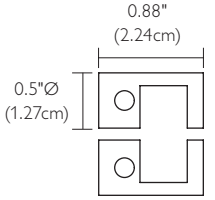
Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Option

C
Chandelier feed

Power bolt (BT-507)
Connects power feed cable to Basis track. Reference BT-535, above, for connector information.



Ordering code

BT	–	507	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Remote transformer power feeds

Basis

Refer to pages 2.131–2.133 for remote tranformer selection guide.

Ordering code

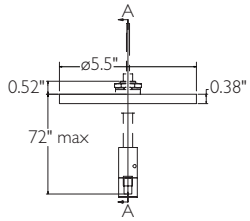
BT	–	516	–		–	
Code		Model				

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Overall length

2"	6"-72"
To be used with BT-311	Specify length



End single feed power bracket (BT-516)
Covers standard 4" octagonal junction box. Not field adjustable. 300w maximum.

Ordering code

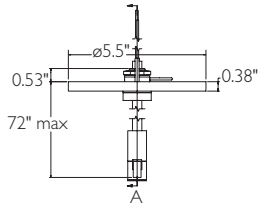
BT	–	515	–		–	
Code		Model				

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Overall length

2"	6"-72"
To be used with BT-311	Specify length



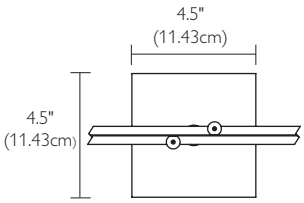
Mid single feed power bracket (BT-515)
Covers standard 4" octagonal junction box. Not field adjustable. 300w maximum.

Ordering code

BT	–	508	–	
Code		Model		

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White



Wall mount power plate single feed (BT-508)
Covers standard 4" octagonal junction box. Basis track mounts directly to Power Plate.

Ordering code

BT	–	524	–	4	–		–	
Code		Model						

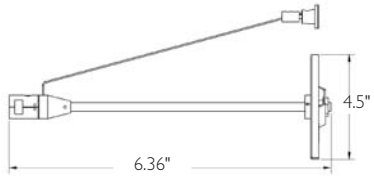
Metal finish

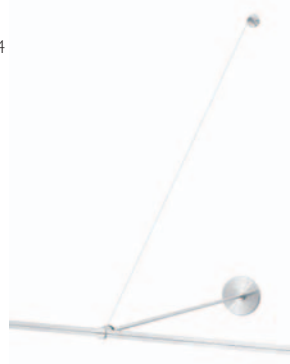
AL	PN	RB	GB
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black

Overall length

6"-36"
Specify length

Wall cantilever power feed (BT-524)
Powers cantilevered Basis track. Compatible with BT-324 and capable of cantilevering track up to 36". Covers standard 4" octagonal junction box. Field adjustable. 300w maximum.





Liana

Translite low voltage

Liana is an ultra thin, flexible low voltage track system with a low profile, ribbon-like appearance that easily molds to your creative vision.

- Flexible, ideal for field bending
- Hand-bendable, no tools necessary
- Adaptable to on the spot design decisions

Designing a Liana track system

Step 1. Establishing lighting priorities

When designing a Liana track system it is important to determine the key elements that you want to illuminate. Paintings, sculptures and displays require accent lighting to make them stand out. Wall surfaces react differently with varied lighting techniques. For example, mounting fixtures very close to a vertical surface—a technique called grazing—will bring forth the texture of a surface, such as masonry. Whereas fixtures mounted further away from a wall—a technique called washing—will subdue the texture of the surface. When designing your Liana track system, it is also important to harmonize the track lighting with other light sources that may be used in your space. Working with a few basic lighting concepts will ensure that the Liana track system fulfills your lighting requirements.

Step 2. Creating your optimal design

Architecture defines how light is diffused and how the Liana track system will be installed. Vaulted ceilings with open beams and trusses will require a different lighting configuration than the modern office space of glass and brushed metal surfaces. Liana track's small size (0.2" x 0.4") brings minimal lines and refined elegance to each architectural setting. Liana track is extremely elastic and bends easily in the field to form intricate curves and complicated architectural shapes. No factory bending necessary! Liana track allows you to create a completely custom installation with standard components and your vivid imagination. Take a look at the following pages to find the different hardware options available for mounting and building a Liana track system.

Step 3. Putting your ideas on paper

The easiest way to design a new system is to do a quick sketch. Taking into consideration your lighting priorities and the architecture of the space you would like to illuminate, sketch out a rough drawing of how you would like the track to look and where you would like to put the fixtures. This simple exercise will ensure that your design provides the style and the lighting you require.

Step 4. Selecting your fixtures

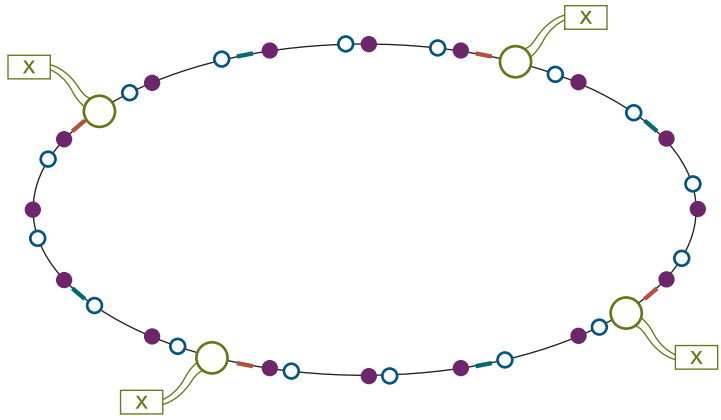
Liana track fixtures do not simply illuminate your space, but allow you to accentuate the architectural features and character of your space. Prospective jobs become easels for the creation of stunning compositions of light, texture and color. Refer to our Low Voltage Fixtures section to peruse the wide selection of elegant hand blown glass, fabric and precision machined metal fixtures that make Translite Systems well known for distinctive lighting.

Liana track – Rotor fixture – Sanctuary at Kiawah - Kiawah Island, SC
Photograph and Furnishings by Bauer International

Liana sample configurations

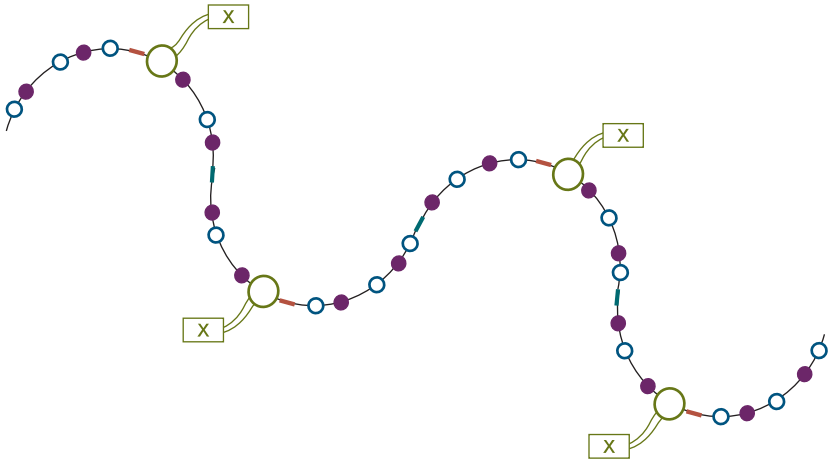
12' Oval in Polished nickel

No. of fixtures:	16 (30" spacing)
Total wattage:	800 (50w per fixture)
Conductor	
(4x) Liana track 4'	LT-505-4-PN
(4x) Liana track 8'	LT-505-8-PN
Couplers	
(4x) couplers	LT-512-PN
(4x) isolators	LT-511
Hardware	
(16x) ceiling anchor: stem	LT-309-PN-12
Power	
(4x) power canopies	LT-526-PN-12
(4x) power supplies	PS6, TSQ 300 or LT-528-PN
power cable	503 (ordered by foot)
Fixtures	
(16x) fixtures	to be specified



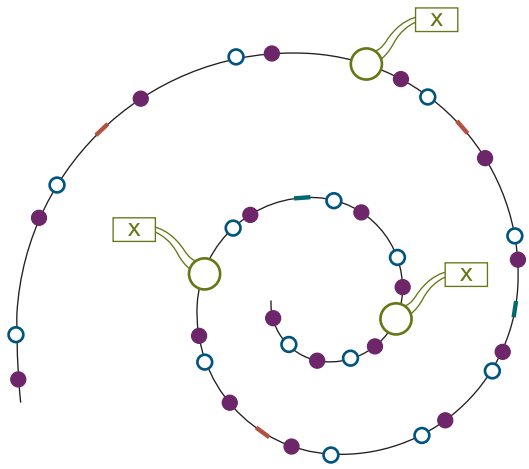
6' x 24' S-Shape in Rubbed bronze

No. of fixtures:	16 (30" spacing)
Total wattage:	800 (50w per fixture)
Conductor	
(6x) Liana track 8'	LT-505-8-RB
Couplers	
(4x) couplers	LT-512-RB
(3x) isolators	LT-511
Hardware	
(16x) ceiling anchor: stem	LT-309-RB-12
Power	
(4x) power canopies	LT-526-RB-12
(4x) power supplies	PS6, TSQ 300 or LT-528-RB
power cable	503 (ordered by foot)
Fixtures	
(16x) fixtures	to be specified



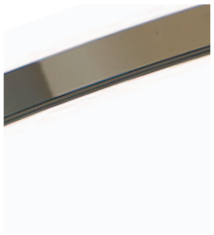
12' x 15' Spiral in Polished nickel

No. of fixtures:	14 (30" spacing)
Total wattage:	700 (50w per fixture)
Conductor	
(5x) Liana track 8'	LT-505-8-PN
Couplers	
(3x) couplers	LT-512-PN
(2x) isolators	LT-511
Hardware	
(18x) ceiling anchor: stem	LT-309-PN-12
Power	
(4x) power canopies w/clip	LT-509-PN
(3x) power supplies	PS6, TSQ 300 or LT-528-PN
power cable	503 (ordered by foot)
Fixtures	
(14x) fixtures	to be specified

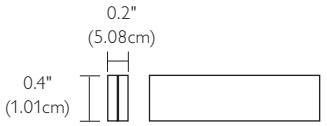


Conductor

Liana



Liana track (LT-505)
Liana track is constructed from flexible, field bendable brass alloy conductors. Standard lengths are 4' and 8'. Field cutting not recommended. Spans up to 48" between supports on straight sections. Liana track is rated for 300w at 12v and 600w at 24v. Not intended for wall mount applications.



Ordering code

LT	–	505	–		–	
Code		**Model**				

Overall length

4	**8**
4' Length	8' Length

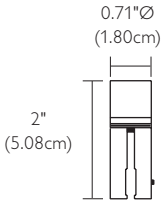
Metal finish

AL*	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

*Liana track and hardware in aluminum is a plated finish.

Mounting hardware

Ceiling anchor (LT-311)
Used to attach Liana track to a ceiling. Mount every 48" maximum. Mounts to ceiling with single screw. Use one Ceiling Anchor at the apex of every curve.



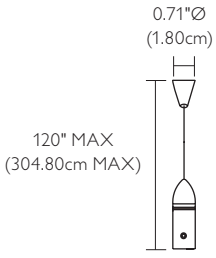
Ordering code

LT	–	311	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Ceiling anchor: cable (LT-310)
Used to attach Liana track to a ceiling. Mount every 48" maximum. 10' of field adjustable aircraft cable is included. Mounts to ceiling with single screw. Only use cable mounted standoff with linear configurations of Liana Track.



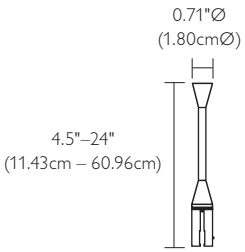
Ordering code

LT	–	310	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Ceiling anchor: stem (LT-309)
Used to mount Liana track to a ceiling. Ceiling mount can also be used as a coupler to join two lengths of track. Mount every 48" maximum. Stem is sold in four field adjustable standard lengths. Mounts to ceiling with single screw. Use one standoff at the apex of every curve.



Ordering code

LT	–	309	–		–	
Code		**Model**				

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Overall length

4.5	**12**	**16**	**24**
4.5" Length	12" Length	16" Length	24" Length

Mounting hardware

Liana

Ordering code

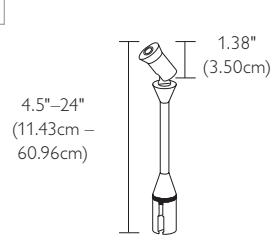
LT	–	308	–		–	
Code		**Model**				

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Overall length

4.5	**12**	**16**	**24**
4.5" Length	12" Length	16" Length	24" Length



Sloped ceiling anchor (LT-308)
Used to attach Liana track to a sloped ceiling. Mount every 48" maximum. Stem is sold in four field adjustable standard lengths. Mounts to ceiling with single screw.

Couplers

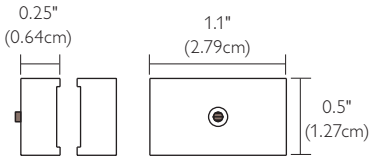
Liana

Ordering code

LT	–	512	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze



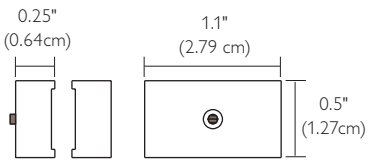
Coupler (LT-512)
Mechanically and electrically connects sections of Liana track. Note: Ceiling anchors may also be used to join two lengths of track.

Ordering code

LT	–	511	–	
Code		**Model**		

Metal finish

WH	**BK**
White	Black



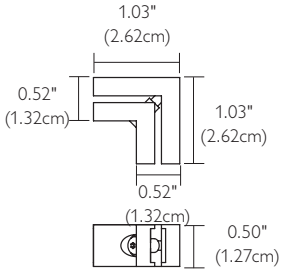
Isolator (LT-511)
Electrically isolates sections of Liana track.

Ordering code

LT	–	522	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

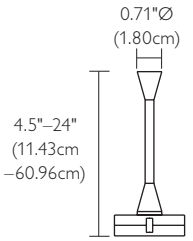


90 Degree coupler (LT-522)
Mechanically and electrically connects sections of Liana track. Used to connect two sections of Liana track at 90° angles.

Couplers

Liana

T Connector (LT-514)
Used to make T connections.
Stem is sold in four field adjustable standard lengths. Mounts to ceiling with single screw. Does not provide electrical isolation between tracks.



Ordering code LT – 514 – ☐ – ☐

Code LT

Model 514

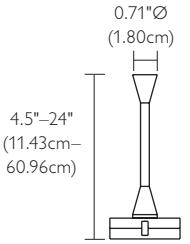
Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Overall length

4.5	12	16	24
4.5" Length	12" Length	16" Length	24" Length

Cross connector (LT-515)
Used to attach crossing perpendicular lengths of Liana track to a ceiling. Stem is sold in four field adjustable standard lengths. Mounts to ceiling with single screw. Does not provide electrical isolation between tracks.



Ordering code LT – 515 – ☐ – ☐

Code LT

Model 515

Metal finish

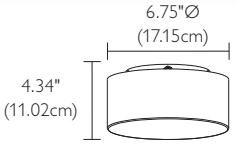
AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Overall length

4.5	12	16	24
4.5" Length	12" Length	16" Length	24" Length

Surface mount transformers

Liana



300 watt surface mount toroidal magnetic transformer (LT-528)

- U.L.-2108 Standard compliant for low voltage lighting.
- Single and dual tap options. Dual tap recommended for dimming.
- 72" power feed cable provided. Power Clip included.
- Ceiling or wall mount to 4" octagonal junction box. (May require additional backing.)
- Weight 12 lbs.

Ordering code LT – 528 – ☐ – ☐ – ☐

Code LT

Model 528

Tap

1	2
Single tap	Dual tap

Metal finish

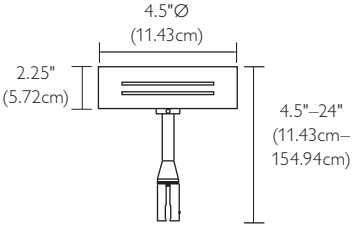
AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Power clip finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

---

250 watt surface mount ac electronic transformer: stem (LT-526)
U.L.-2108 Covers standard 4" octagonal junction box. Suitable for runs of up to 16'. Maximum distance from power supply to fixture is 8'. Stem is sold in four standard lengths and is not field adjustable.



Ordering code LT – 526 – ☐ – ☐

Code LT

Model 526

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Overall length

4.5	12	16	24
4.5" Length	12" Length	16" Length	24" Length

Remote transformer power feeds

Liana

Refer to pages 2.131–2.133 for Remote Tranformer selection guide.

Ordering code

LT – 525 – ☐ – ☐

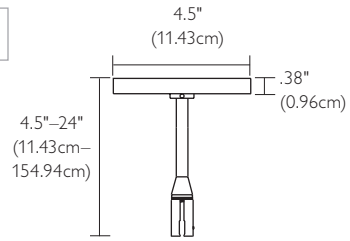
Code

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Overall length

4.5	12	16	24
4.5" Length	12" Length	16" Length	24" Length



Power canopy single feed: stem (LT-525)
Covers standard 4" octagonal junction box. Stem is sold in four standard lengths and is not field adjustable. Power clip(s) included.

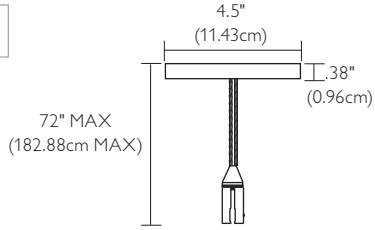
Ordering code

LT – 509 – ☐

Code

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze



Power canopy single feed: cable (LT-509)
Covers standard 4" octagonal junction box. 72" Power Cable leads provided. Power clip(s) included. Field adjustable.

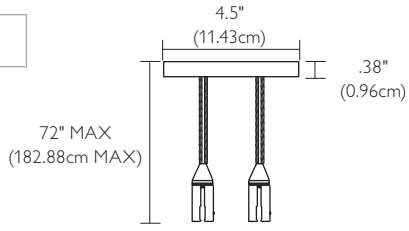
Ordering code

LT – 510 – ☐

Code

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze



Power canopy dual feed: cable (LT-510)
Covers standard 4" octagonal junction box. 72" Power cable leads provided. Power clip(s) included. Field adjustable.

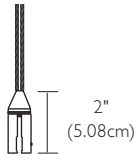
Ordering code

LT – 701 – ☐

Code **Model**

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze



Power clip (LT-701)
Connects power feed cable to Liana Track. 72" Power cable leads provided. Field adjustable. Reference LT-535, above, for connector information.

Cable

Translite low voltage

Cable's simple, uncluttered lines disappear in space – fixtures seem to float in midair.

- Wall to wall mounting
- No ceiling anchors necessary up to 35 feet
- Ideal for vaulted or ornate spaces with no ceiling access

Cable Track – Double Dip fixture

Cable Track – Microspot E fixture

Designing a cable system

Step 1. Establishing lighting priorities

When designing a Cable system it is important to determine the key elements that you want to illuminate. Paintings, sculptures and displays require accent lighting to make them stand out. Wall surfaces react differently with varied lighting techniques. For example, mounting fixtures very close to a vertical surface—a technique called grazing—will bring forth the texture of a surface, such as masonry. Whereas fixtures mounted farther away from a wall—a technique called washing—will subdue the texture of the surface. When designing your Cable system, it is also important to harmonize the track lighting with other light sources that may be used in your space. Working with a few basic lighting concepts will ensure that the Cable system fulfills your lighting requirements.

Step 2. Creating your optimal design

Architecture defines how light is diffused and how the Cable system will be installed. Vaulted ceilings with open beams and trusses will require a different lighting configuration than the modern office space of glass and brushed metal surfaces. Cable is a classic low voltage track system that has maintained its popularity throughout the years and offers a wide variety of installation styles. With its capacity to span up to 30 feet between supports, cable fixtures give the appearance of hovering effortlessly in midair. Cable allows you to create a completely custom installation with standard components and your vivid imagination. Take a look at the following pages to find the different hardware options available for mounting and building a Cable system.

Step 3. Putting your ideas on paper

The easiest way to design a new system is to do a quick sketch. Taking into consideration your lighting priorities and the architecture of the space you would like to illuminate, sketch out a rough drawing of how you would like the track to look and where you would like to put the fixtures. This simple exercise will ensure that your design provides the style and the lighting you require.

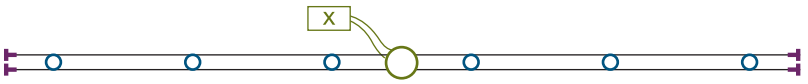
Step 4. Selecting your fixtures

Cable fixtures do not simply illuminate your space, but allow you to accentuate the architectural features and character of your space. Prospective jobs become easels for the creation of stunning compositions of light, texture and color. Refer to our Low Voltage Fixtures section to peruse the wide selection of elegant hand blown glass and precision machined metal fixtures that make Translite Systems well known for distinctive lighting.

Liana track – Rotor fixture – Sanctuary at Kiawah – Kiawah Island, SC
Photograph and Furnishings by Bauer International

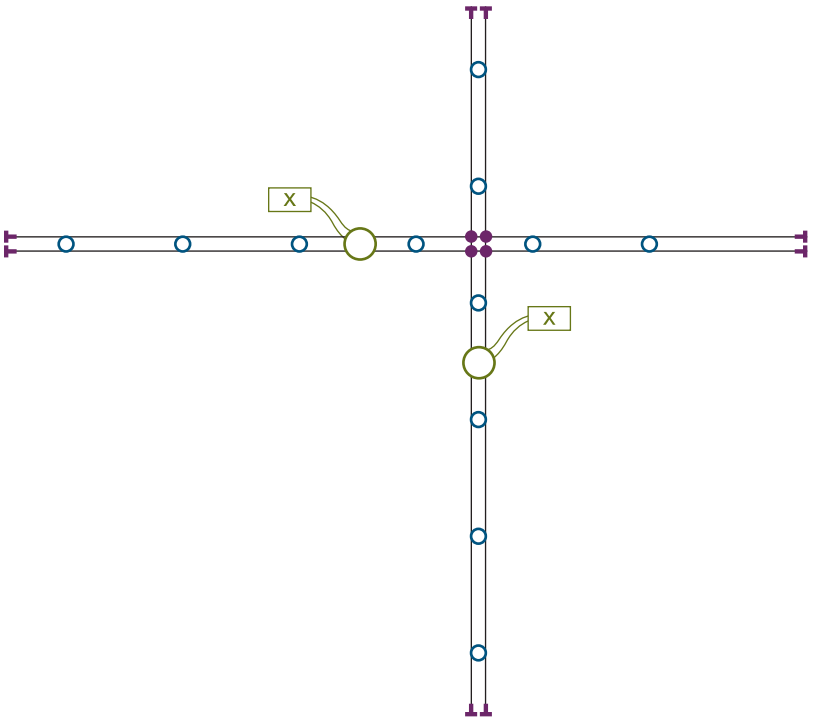
Cable sample configurations

(1x) 18' Wall to wall system



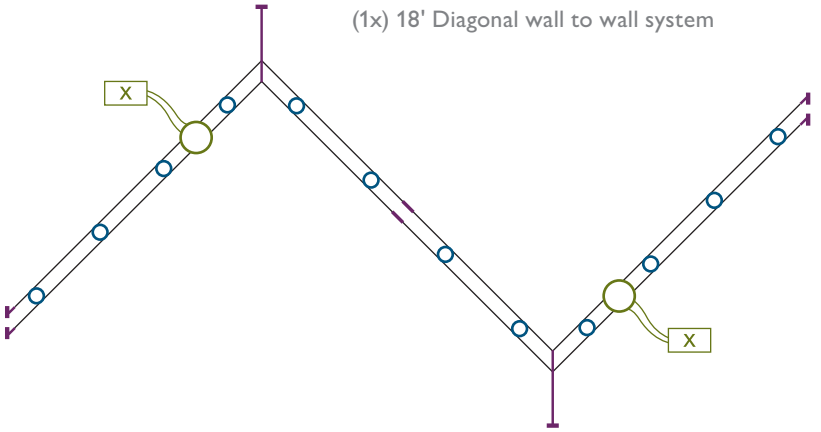
No. of fixtures:	6 (36" spacing)
Total wattage:	300 (50w per fixture)
Conductor	
(40x) Cable Track 1' (2 parallel 20' lengths)	CA-505
Hardware	
(1x) double turnbuckle set	CA-306-AL
Power	
(1x) power canopy	CA-509-AL
(1x) remote power supply	PS6 or TSQ 300
power cables	503 (ordered by foot)
Fixtures	
(6x) fixtures	to be specified

(2x) 18' Intersecting lines wall to wall system



No. of fixtures:	12 (36" spacing)
Total wattage:	600 (50w per fixture)
Conductor	
(80x) Cable Track 1' (4 parallel 20' lengths)	CA-505
Hardware	
(2x) hardware set	CA-301-PN
(2x) isolating cross anchors	CA-338
Power	
(2x) power canopy	CA-509-PN
(2x) remote power supply	PS6 or TSQ 300
power cables	503 (ordered by foot)
Fixtures	
(12x) fixtures	to be specified

(1x) 18' Diagonal wall to wall system



No. of fixtures:	12 (30" spacing)
Total wattage:	600 (50w per fixture)
Conductor	
(120x) Cable Track 1' (2 parallel 60' lengths)	CA-505
Hardware	
(1x) double turnbuckle set	CA-306-AL
(2x) directional wall wands	CA-346-AL
(1x) isolating turnbuckle	CA-310-AL
Power	
(2x) power canopy	CA-509-AL
(2x) remote power supply	PS6 or TSQ 300
power cables	503 (ordered by foot)
Fixtures	
(12x) fixtures	to be specified

Conductor

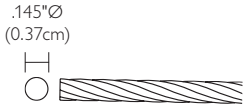
Cable

Ordering code

CA	–	505	–	
Code		Model		Metal finish

TN Tin
RB Rubbed bronze

Conductor cable (CA-505)
8 gauge plated copper strands around a Kevlar™ core to minimize stretching. Spans up to 35' without center support. Order in 1' increments. Cable is rated for 300w at 12v, 600w at 24v. Tin Plated metal finish. 2.5" min. between surface to cable.
Note: Order twice the run length for each system.



Mounting hardware

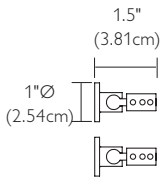
Cable

Ordering code

CA	–	303	–	
Code		Model		Metal finish

AL Satin aluminum
PN Polished nickel
RB Rubbed bronze

Stud end anchors – pair (CA-303)
Stud end anchors for Cable. Allows for low voltage power feed into front of Stud end anchor. Be sure to add turnbuckles at the other end. Comes standard with isolating plates.

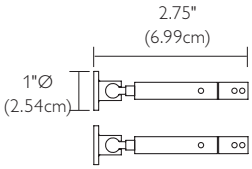


Ordering code

CA	–	302	–	
Code		Model		Metal finish

AL Satin aluminum
PN Polished nickel
RB Rubbed bronze

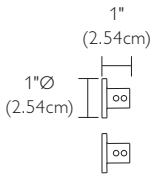
Turnbuckle pair (CA-302)
Turnbuckles for Cable. Allows for tensioning. Comes standard with isolating plates.



Mounting hardware

Cable

Power anchor pair (CA-308)
Power Anchors, allow for invisible low voltage power feed from behind the anchors. Comes standard with isolating plates. (Junction box by others.) Consult NEC codes.



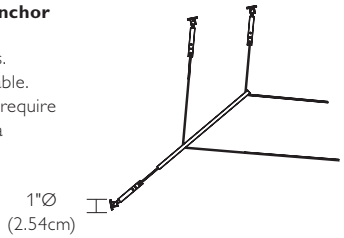
Ordering code

CA	–	308	–	
Code		Model		

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Directional wand with wall anchor (CA-346)
Allows Cable to change directions. Includes Turnbuckle and 36" of Cable. Typically wall mounted. Does not require isolator plates when mounted to a metal surface.



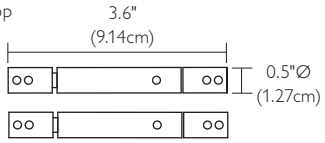
Ordering code

CA	–	346	–	
Code		Model		

Metal finish

AL	PN
Satin aluminum	Polished nickel

Conductive inline turnbuckle pair (CA-309)
Tensions Cable from center of span. Recommended option for spans over 35'. Also used to tension continuous loop configurations.



Ordering code

CA	–	309	–	
Code		Model		

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Mounting hardware

Cable

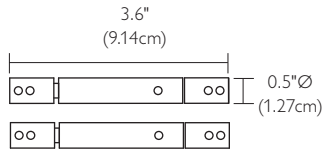
Ordering code

CA	–	310	–	
Code		**Model**		

Metal finish

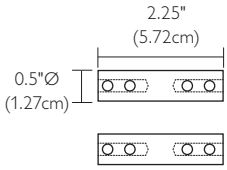
AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Isolating inline turnbuckle pair (CA-310)
Tensions Cable from center of span. Recommended option for spans over 35'. Also used to tension continuous loop configurations.



Ordering code

CA	–	511
Code		**Model**



Isolator pair (CA-511)
Electronically isolates sections of the Cable system. Finished in Clear Lexan.

Ordering code

CA	–		–	
Code				

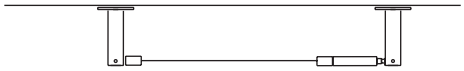
Model

812	**814**

Quantity

2	**4**

Isolating plates (CA-812, CA-814)
Use isolating plates when mounting anchors to metal surface. Specify pair of 2 or set of 4.
Use CA-812 when anchoring CA-317, CA-319 to metal surface
Use CA-814 when anchoring CA-523, CA-525 to metal surface



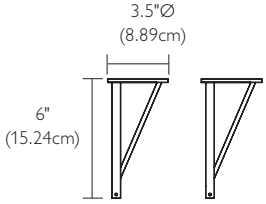
Ordering code

CA	–	319	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Ceiling power anchor pair (CA-319)
Power anchors for Cable. Not field adjustable.
Note: Use isolating plates CA-812-2 when mounting anchors to metal surface.
Consult NEC codes.



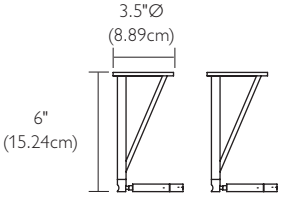
Ordering code

CA	–	317	–	
Code		**Model**		

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Ceiling turnbuckle pair (CA-317)
Turnbuckles for Cable. Not field adjustable.
Note: Use isolating plates CA-812-2 when mounting anchors to metal surface.



Mounting hardware

Cable

Ordering code

CA	–	523	–		–	
Code		**Model**		**Metal finish**		**Overall length**

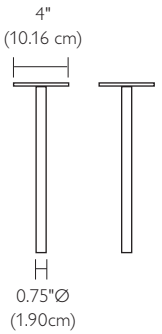
Metal finish

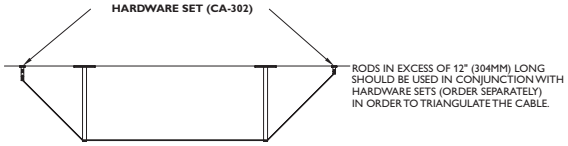
AL	**PN**
Satin aluminum	Polished nickel

Overall length

12	**18**	**24**	**30**
12" length	18" length	24" length	30" length

Heavy duty ceiling bracket pair (CA-523)
Allows Cable to begin span 12", 18", 24", or 30" off mounting surface. Power can be fed into the base of the anchor to energize the system.
Note: Use isolating plates CA-814-2 when mounting anchors to metal surface. Consult NEC codes.





Ordering code

CA	–	525	–		–	
Code		**Model**		**Metal finish**		**Overall length**

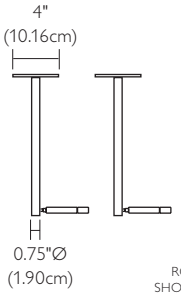
Metal finish

AL	**PN**
Satin aluminum	Polished nickel

Overall length

12
12" length

Heavy duty ceiling bracket turnbuckle pair (CA-525)
Allows Cable to begin span 12" off mounting surface. Turnbuckles provide additional tension. May not be used as a power feed.
Note: Use isolating plates CA-814-2 when mounting anchors to metal surface. See diagram, below right.
Consult NEC codes.



RODS IN EXCESS OF 12" (304MM) LONG SHOULD BE USED IN CONJUNCTION CA-523

Ordering code

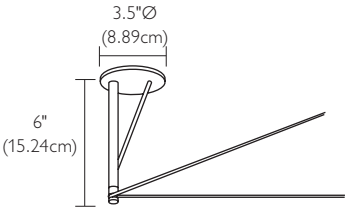
CA	–	340	–	
Code		**Model**		**Metal finish**

Metal finish

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Directional ceiling bracket pair (CA-340)
Allows Cable to change directions on the plane parallel to the mounting surface. Typically ceiling mounted.

Note: Use isolating plates CA-812-2 when mounting anchors to metal surface.



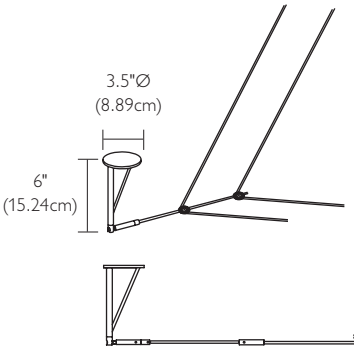
Ordering code

CA	–	350	–	
Code		**Model**		**Metal finish**

Metal finish

AL	**PN**
Satin aluminum	Polished nickel

Directional ceiling bracket wand (CA-350)
Allows Cable to change directions. Includes Turnbuckle and 36" of Cable. Allows cable to begin span 6" from surface. Does not need isolating plates when mounted to a metal surface.



Mounting hardware

Cable

Ordering code

CA	–		–	360	–	
Code		**Bridge**		**Model**		**Metal Finish**

Bridge

4 4" Bridge

6 6" Bridge

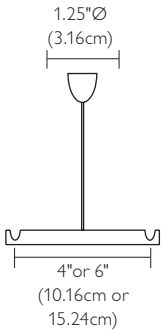
Metal Finish

AL Satin aluminum

PN Polished nickel

RB Rubbed bronze

Support bar (CA-360)
Supports Cable. Recommended option for spans over 35'. Includes 10' of 1/16" aircraft cable. Ceiling mounted. Support bar is clear Lexan™. Ceiling supports may be required for heavy fixtures on runs less than 35'.



Ordering code

CA	–		–	362	–	
Code		**Bridge**		**Model**		**Metal finish**

Bridge

4 4" Bridge

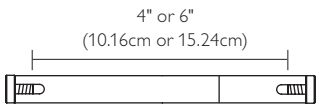
6 Polished nickel

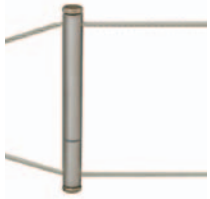
Metal finish

AL Aluminum

PN Polished nickel

Spacer bar (CA4-362, CA6-362)
Allows Cable to maintain a 4" or 6" spacing when anchors cannot be placed at the proper spacing.



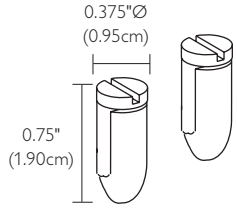


Remote transformer power feeds

Cable

Refer to pages 2.131–2.133 for remote tranformer selection guide.

Power bolt pair (CA-507)
Connects power feed
Cable to the Cable system.

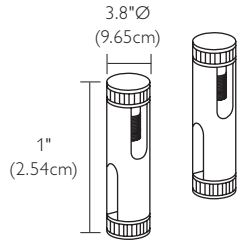


Ordering code

CA	–	507	–	
Code		**Model**		**Metal finish**

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Cross jumpers pair (CA-537)
Secures and electrically connects Cables crossing at 90°.

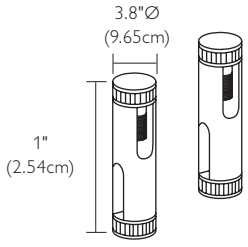


Ordering code

CA	–	537	–	
Code		**Model**		**Metal finish**

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Cross Isolators Pair (CA-338)
Secures and electrically isolates Cables crossing at 90°. Isolators constructed from clear Lexan™.
Bolt heads available in aluminum, Polished nickel or Rubbed bronze.

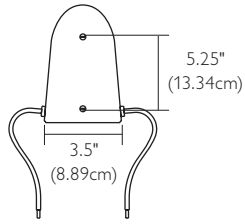


Ordering code

CA	–	338	–	
Code		**Model**		**Metal finish**

AL	**PN**	**RB**
Satin aluminum	Polished nickel	Rubbed bronze

Power plate (CA-508)
Covers standard single gang box and delivers low voltage power from remote transformer to the Cable system. Single feed only. 36" power cable leads and power bolts provided. Typically wall mounted.



Ordering code

CA	–	508	–	
Code		**Model**		**Metal finish**

AL	**PN**
Satin aluminum	Polished nickel

Remote transformer power feeds

Cable

Refer to pages 2.131–2.133 for remote tranformer selection guide.

Ordering code

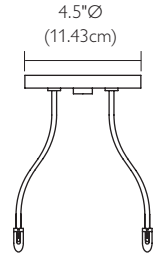
CA – 509 – ☐

Code: CA | Model: 509

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Power canopy single feed (CA-509)
Covers standard 4" octagonal junction box. 72" power cable leads and power bolts provided. Typically ceiling mounted. Power bolts included.



Ordering code

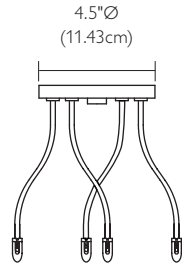
CA – 510 – ☐

Code: CA | Model: 510

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Power canopy dual feed (CA-510)
Covers standard 4" octagonal junction box. 72" power cable leads and power bolts provided. Typically ceiling mounted. Power bolts included.



Surface mount transformers

Cable

Ordering code

CA – 528 – ☐ – ☐ – ☐

Code: CA | Model: 528

Tap

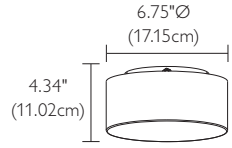
1	2
Single tap	Dual tap

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Power bolt finish

AL	PN	RB	WH	GB
Satin aluminum	Polished nickel	Rubbed bronze	White	Gloss black



300 watt surface mount toroidal magnetic transformer (CA-528)

- U.L.-2108 Standard compliant for low voltage lighting.
- Single and dual tap options. Dual tap recommended for dimming.
- 72" power feed cable provided. Power bolts included.
- Ceiling or wall mount to 4" octagonal junction box. (May require additional backing.)
- Weight 12 lbs.

Twin Rail

Translite low voltage

Twin Rail is a rigid decorative low voltage track system of parallel lines that enhance interiors with straight runs, curved designs, or concentric circles.

- Factory bendable for curved applications
- Maintains the slim appearance of cable
- A decorative enhancement for interiors

Twin Rail – Pippa pendant – San Francisco, CA

Designing a Twin Rail system

Step 1. Establishing lighting priorities

When designing a Twin Rail system, it is important to determine the key elements that you want to illuminate. Paintings, sculptures and displays require accent lighting to make them stand out. Wall surfaces react differently with varied lighting techniques. For example, mounting fixtures very close to a vertical surface—a technique called grazing—will bring forth the texture of a surface, such as masonry. Whereas fixtures mounted farther away from a wall—a technique called washing—will subdue the texture of the surface. When designing your Twin Rail system, it is also important to harmonize the track lighting with other light sources that may be used in your space. Working with a few basic lighting concepts will ensure that the Twin Rail system fulfills your lighting requirements.

Twin Rail – custom antique brass finish
Microspot D fixture – Hampton, CT
Architect: Dennis Wedlick / Interior Design: Julia Doyle

Step 2. Creating your optimal design

Architecture defines how light is diffused and how the Twin Rail system will be installed. Vaulted ceilings with open beams and trusses will require a different lighting configuration than the modern office space of glass and brushed metal surfaces. Twin Rail offers the classic appearance of a low voltage cable suspension system with an inherent rigidity that allows for bending. Twin Rail may be suspended from ceiling or wall surfaces. Use Twin Rail for linear and angled runs or have the factory bend the dual conductors into intricate curves and complicated architectural shapes. Twin Rail allows you to create a completely custom installation with standard components and your vivid imagination. Take a look at the following pages to find the different hardware options available for mounting and building a Twin Rail system.

Step 3. Putting your ideas on paper

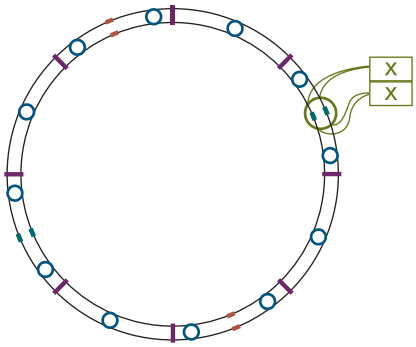
The easiest way to design a new system is to do a quick sketch. Taking into consideration your lighting priorities and the architecture of the space you would like to illuminate, sketch out a rough drawing of how you would like the track to look and where you would like to put the fixtures. This simple exercise will ensure that your design provides the style and the lighting you require.

Step 4. Selecting your fixtures

Twin Rail fixtures do not simply illuminate your space, but allow you to accentuate the architectural features and character of your space. Prospective jobs become easels for the creation of stunning compositions of light, texture and color. Refer to our Low Voltage Fixtures section to peruse the wide selection of elegant hand blown glass, fabric and precision machined metal fixtures that make Translite Systems well known for distinctive lighting.

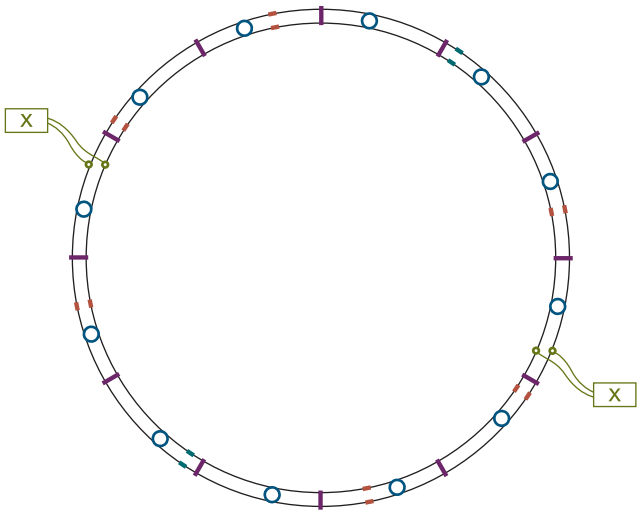
Twin Rail sample configurations

8' diameter circle – 36" drop



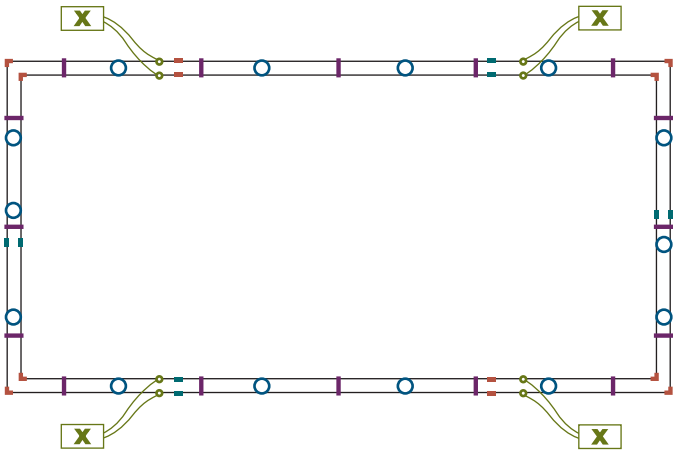
No. of fixtures:	12 (24" spacing)
Total wattage:	600 (50w per fixture)
Conductor	
(8x) Twin Rail 8'	TR8-505-AL
Couplers	
(4x) couplers	TR-512-AL
(2x) isolators	TR-511-AL
Hardware	
(8x) ceiling anchor: stem	TR4-309-AL-36
Power	
(1x) power feed double	TR-510-AL
(1x) remote power supplies	TSQ 600
power cable	503 (ordered by foot)
Fixtures	
(12x) fixtures	to be specified

12' diameter circle – 6" drop



No. of fixtures:	12 (36" spacing)
Total wattage:	600 (50w per fixture)
Conductor	
(12x) Twin Rail 8'	TR8-505-PN
Couplers	
(6x) couplers	TR-512-PN
(2x) isolators	TR-511-PN
Hardware	
(12x) ceiling anchor: stem	TR4-309-PN-6
Power	
(2x) power bridges	TR4-530-PN-6
(2x) remote power supplies	PS6 or TSQ 300
power cable	503 (ordered by foot)
Fixtures	
(12x) fixtures	to be specified

8' x 12' rectangle – 24" drop

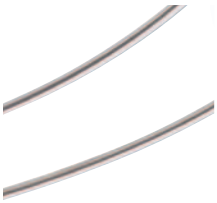


No. of fixtures:	18 (30" spacing)
Total wattage:	900 (50w per fixture)
Conductor	
(8x) Twin Rail 8'	TR8-505-PN
(4x) Twin Rail 4'	TR4-505-PN
Couplers	
(2x) couplers	TR-512-PN
(4x) adjustable couplers	TR-513-PN
(4x) isolators	TR-511-PN
Hardware	
(16x) ceiling anchor: cable	TR4-310-PN
Power	
(4x) power feeds	TR-509-PN
(4x) remote power supplies	PS6 or TSQ 300
power cable	503 (ordered by foot)
Fixtures	
(14x) fixtures	to be specified

Conductor

Twin Rail

Consult the factory for estimates on curved runs. Be sure to order twice the run length.



Twin Rail (TR-505)
The conductor is an extruded metal round tube. Standard lengths are 4' and 8'. Bendable at the factory to 18" radius. Field adjustable. Spans up to 42" between supports. Twin Rail is rated for 300w at 12v and 600w at 24v.
Note: Order twice the run length for each system.

Ordering code TR [ ] – 505 – [ ]

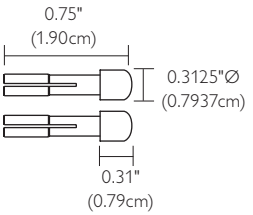
Code

Tap
- **4** 4' length
- **8** 8' length

Model

Metal finish
- **AL** Aluminum
- **PN** Polished nickel

Endcap pair (TR-808)
Decorative caps to cover end of Twin Rail.



Ordering code TR – 808 – [ ]

Code **Model**

Metal finish
- **AL** Aluminum
- **PN** Polished nickel

Mounting hardware

Twin Rail

Ceiling anchor: Cable (TR-310)
Supports ceiling mounted Twin Rail with field adjustable aircraft cable. Supplied with 10' of cable and bridge. If longer cable length is desired, consult factory. Mounts every 42".

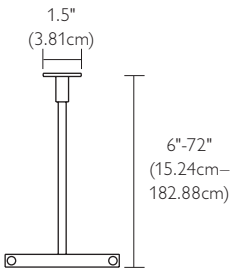
Ordering code TR [ ] – 310 – [ ]

Code **Model**

Bridge
- **4** 4" Bridge
- **6** 6" Bridge

Metal finish
- **AL** Aluminum
- **PN** Polished nickel

Ceiling anchor: stem (TR-309)
Supports ceiling mounted Twin Rail with rigid stem. Supplied with field adjustable stem and bridge. If longer stem length is desired, consult factory. Maximum stem length is 72". Mount every 42".



Ordering code TR [ ] – 309 – [ ] – [ ]

Code **Model**

Bridge
- **4** 4" Bridge
- **6** 6" Bridge

Metal finish
- **AL** Aluminum
- **PN** Polished nickel

Length
- **4"-72"** Specify length

Couplers

Twin Rail

Ordering code

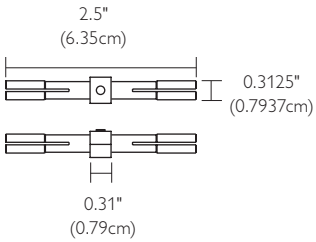
TR – 512 – ☐

Code: TR | Model: 512

Metal finish

AL Aluminum	**PN** Polished nickel

Coupler pair (TR-512)
Mechanically and electrically connects sections of Twin Rail.

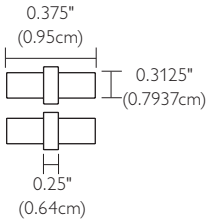


Ordering code

TR – 511

Code: TR | Model: 511

Isolator pair (TR-511)
Electrically isolates sections of Twin Rail.



Ordering code

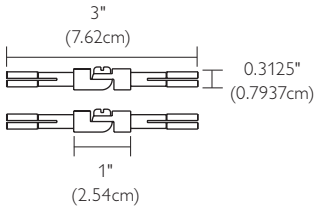
TR – 513 – ☐

Code: TR | Model: 513

Metal finish

AL Aluminum	**PN** Polished nickel

Adjustable coupler pair (TR-513)
Mechanically and electrically connects sections of Twin Rail. Allows for up to 180° adjustment.

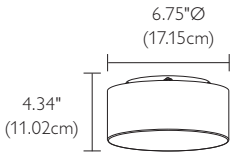


Surface mount transformers

Twin Rail

300 watt surface mount toroidal magnetic transformer (TR-528)

- U.L.-2108 Standard compliant for low voltage lighting.
- Single and dual tap options. Dual tap recommended when dimming.
- 72" Power Feed Cable provided. Power Bolts included.
- Ceiling or wall mount to 4" octagonal junction box. (May require additional backing.)
- Weight 12 lbs.



Ordering code

TR – 528 – ☐ – ☐ – ☐

Code: TR | Model: 528

Tap

1 Single tap	**2** Dual tap

Metal finish

AL Satin aluminum	**PN** Polished nickel	**RB** Rubbed Bronze	**GB** Gloss black	**WH** White

Power clip finish

AL Aluminum	**PN** Polished nickel

Remote transformer power feeds

Twin Rail

Refer to pages 2.131–2.133 for remote tranformer selection guide.

Ordering code

TR		–	530	–		–	
Code			**Model**				

Bridge

4 4" Bridge

6 6" Bridge

Metal finish

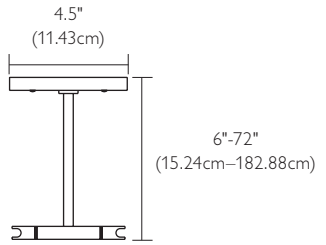
AL Aluminum

PN Polished nickel

Length

6"-72" Specify length

Power Bridge: Stem (TR-530)
Covers standard 4" octagonal junction box. Typically ceiling mounted. Supplied with 6" stem. If longer stem length is desired, add total length to part number. Max. 72" drop.



Ordering code

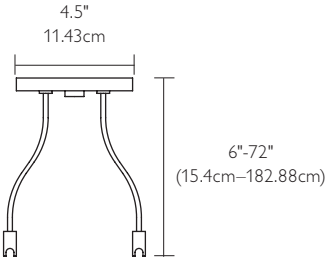
TR	–	509	–	
Code		**Model**		

Metal finish

AL Aluminum

PN Polished nickel

Single power canopy: cable (TR-509)
Covers standard 4" octagonal junction box. 72" power cable leads and power bolts included. Typically ceiling mounted.



Ordering code

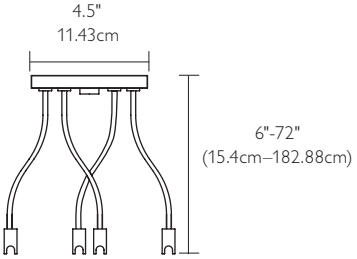
TR	–	510	–	
Code		**Model**		

Metal finish

AL Aluminum

PN Polished nickel

Double power canopy: cable (TR-510)
Covers standard 4" octagonal junction box. 72" power cable leads and power bolts included. Typically ceiling mounted.



Ordering code

TR	–	507	–	
Code		**Model**		

Metal finish

AL Aluminum

PN Polished nickel

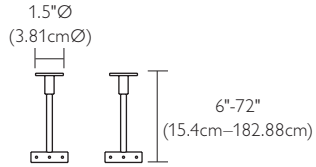
Power bolt pair (TR-507)
Connects power feed cable to Twin Rail. Reference TR-535, above, for connector information.

Remote transformer power feeds

Twin Rail

Refer to pages 2.131–2.133 for remote tranformer selection guide.

Power bracket pair (TR-523)
Supports Twin Rail and allows for invisible low voltage power feed behind brackets. Field adjustable. 300w max. 6" stem provided. If longer stem length is desired. Max. 72" drop. (Junction box by others.)
Note: Use Isolating Plates TR-811 when mounting anchors to a metal surface.



Ordering code

TR	–	523	–		–	
Code		**Model**				

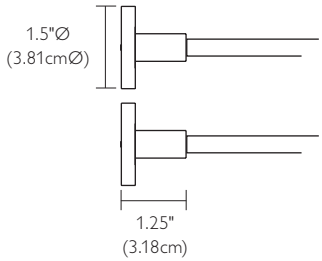
Metal finish

AL	**PN**
Satin aluminum	Polished nickel

Stem length

6"- 72" Specify length

Power anchor pair (TR-514)
Allows Twin Rail to be anchored directly to surface and provides for invisible low voltage power feed behind power anchors. Typically wall mounted.
(Junction box by others.)
Note: Use Isolating Plates TR-811 when mounting anchors to a metal surface.



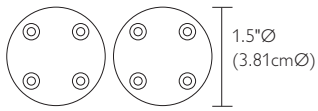
Ordering code

TR	–	514	–	
Code		**Model**		

Metal finish

AL	**PN**
Satin aluminum	Polished nickel

Isolator plate pair (TR-811)
Electrically isolates power brackets and power anchors from any surface. Made of clear polycarbonate.



Ordering code

TR	–	811
Code		**Model**

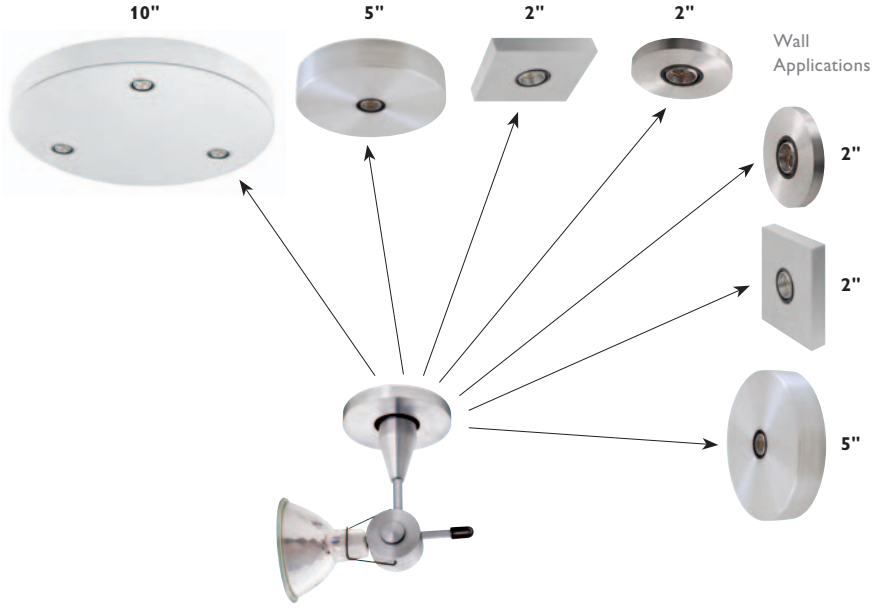
Monopoints

Translite low voltage

Creative harmony with interchangeable components.
Transjack. Select a canopy. Select a fixture. Ultimate interchangeability.
Translite's selection of monopoints feature Transjack, a seamless connector that allows you to select a variety of pendants and adjustable fixtures to create the perfect fixture and canopy combination for your application.

Low voltage Monopoint canopies

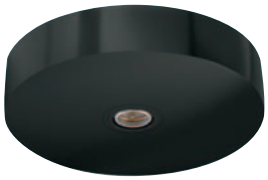
Ceiling applications



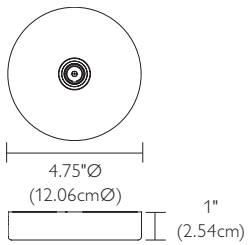
Welcome to Transjack and welcome to versatility!

Our monopoints use the Transjack Connector. Transjack allows Translite Systems low voltage fixtures to be used interchangeably with several monopoint canopies in both wall and ceiling applications. The steps are easy.

1. Choose a canopy. Size and finish vary. Choose a transformer option that is compatible with your lamp type.
2. Choose from 50 different fixtures (metal, fabric or glass) and select **"NS"** as your system option. The fixture comes complete with a Transjack connector.
3. Canopy and fixture are easily assembled in the field by simply snapping the Transjack connector in place and tightening by hand.



Single canopy (MPT1A)
4.75" Round Canopy. Mounts to a standard 4" octagonal junction box (by others). For use with one Transjack enabled fixture. Fixture not included.



Ordering code MPT1A – ☐ – ☐

Code

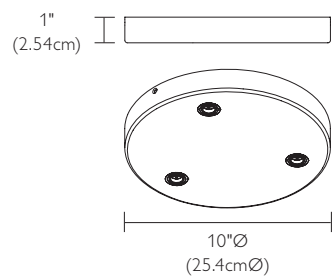
Transformer

N1	R	L1
integral 120V (60 watt 12V electronic transformer)	remote	Integral 120V for LED lamps (35W max. 12V electronic transformer for use with LED Lamps)

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Triple canopy (MPT3A)
10" Round canopy. Mounts to a standard 4" octagonal junction box (by others). For use with three Transjack enabled fixtures. Fixtures not included.



Ordering code MPT3A – ☐ – ☐

Code

Transformer

N1	R	L1
integral 120V (Three 60 watt 12V electronic transformer)	remote	Integral 120V for LED lamps (35W max. 12V electronic transformer for use with LED Lamps)

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Low voltage Monopoint canopies

2" Canopy - new construction

The 2" inch canopy features fine details, quality engineering and minimalist lines. Compatible with ceiling or wall thickness up to 1.88" thick. Each 2" canopy consists of two separately ordered components: the 2" Canopy Housing and the 2" Canopy Trim. Fixture not included.

Without trim

With trim

2" Canopy housing and trim (MPT1-S-H)

- For ceiling and wall applications, perfect for commercial and residential applications
- Compatible with ceiling or wall thickness up to 1.88" thick
- Bar hanger provides quick installation in suspended grid ceilings
- Remote or integral transformer
- Serviceable from below ceiling
- Features Transjack connector with 24kt locking pin and sleeve connector
- UL listed for direct contact with insulation
- UL certified for through branch circuit wiring

Ordering code

MPT1	–	S	–	H	–		–		–	
Code										

Transformer

N1	**R**	**L1**
integral 120V (Three 60 watt 12V electronic transformer)	remote	Integral 120V for LED lamps (35W max. 12Velectronic transformer for use with LED Lamps)

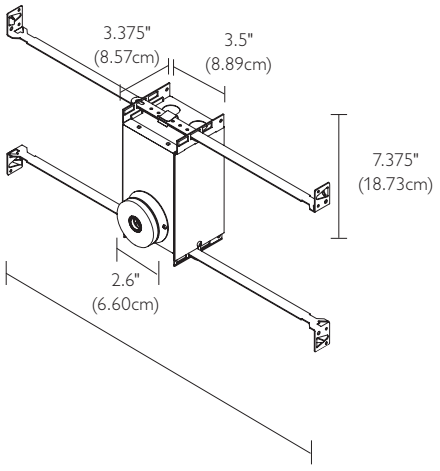
Trim style

R
Round

S
Square

Metal finish

AL	**PN**	**RB**	**GB**	**WH**
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White



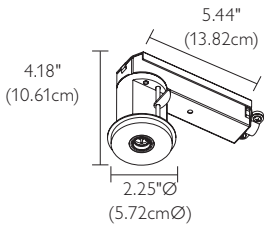
Low voltage Monopoint canopies

2" Canopy - remodel

The 2" inch remodel canopy shares all the aesthetic features of the new construction canopy, but is designed for post construction lighting applications. Compatible with ceiling or wall thickness up to 1" for the integral version and 1.75" for the remote version. Fixture not included.

2" Canopy: integral transformer (MPT1-S-N)

- Unit features an integral wiring chamber, swing arm clamps to secure canopy.
- Canopy is powered with 60 watt integral 12 volt electronic transformer. 120 volt.
- Ceiling or wall mount requires only 4.5" of clearance
- Installs in surfaces up to 1" thick
- UL listed for direct contact with insulation



Ordering code MPT1 – S – [ ] – [ ] – [ ] [ ]

Transformer (Code)

- **N** integral 120V (One 60 watt 12V electronic transformer)
- **L** Integral 120V for LED lamps (35W max. 12V electronic transformer for use with LED Lamps)

Voltage

- **1** 120V

Trim style

R Round

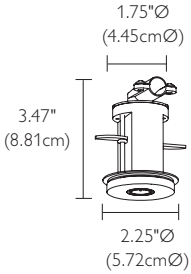
S Square

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Minimum OAL when using:

Microspot D	Microspot G	Retro 16
8.0"	**9.0"**	**10.0"**



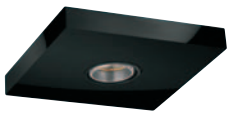
2" Canopy: remote transformer (MPT1-S-R)

- Unit features an integral wiring chamber, swing arm clamps to secure canopy
- Ceiling or wall mount requires only 3.5" of clearance
- Installs in surfaces up to 1.75" thick
- UL listed for direct contact with insulation
- Should be used with a magnetic transformer when powering LED lamps.

Ordering code MPT1 – S – R – [ ] [ ]

Trim style

R Round



S Square

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Minimum OAL when using:

Microspot D	Microspot G	Retro 16
8.0"	**9.0"**	**10.0"**

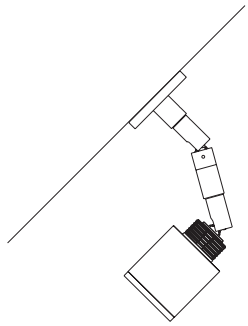
Low voltage Monopoint accessories

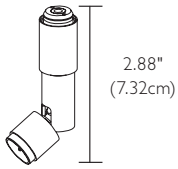
Ordering code TJ – CA – ☐

Code

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White





Transjack sloped ceiling adapter (TJ-CA)
- Adjusts fixture drop from 0-90 degrees for sloped ceiling applications
- Lockable stem rotates 360 degrees

Ordering code TJ – SA – ☐ – ☐

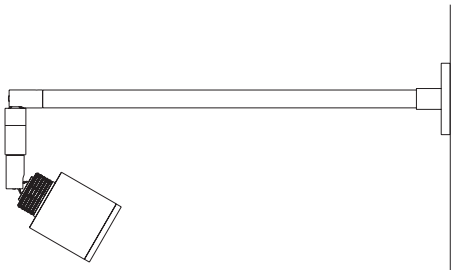
Code

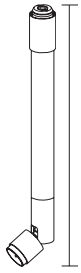
Overall length

6" -16"
Specify length

Metal finish

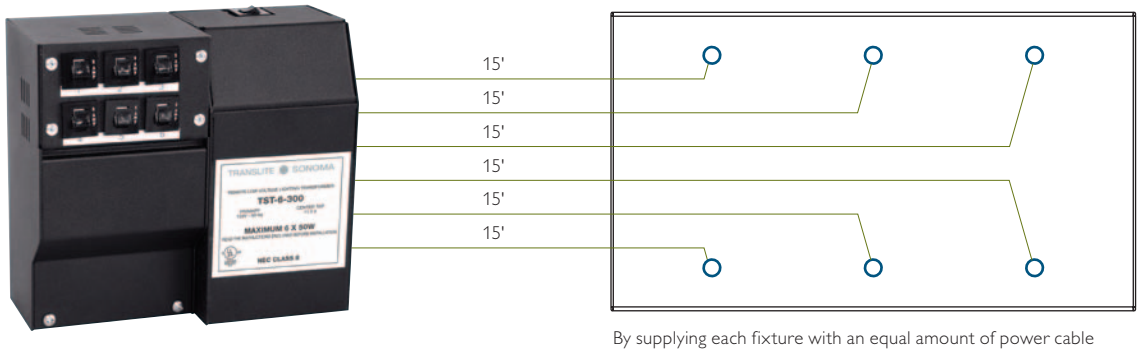
AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White





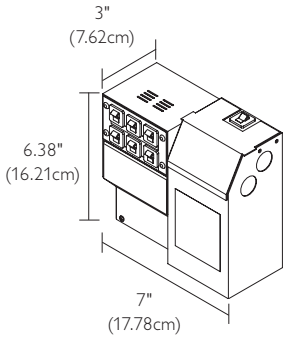
Transjack sconce adapter (TJ-SA)
- Provides an additional 90 degree articulation for pivoting fixtures
- Lockable stem rotates 360 degrees
- Not for use with Basis Wall

300 watt transformer – 6 x 50w output



EZ-6 Single 120v input six 50 watt output transformer. The EZ-6 transformer features class II wiring and six 50 watt outputs that allow for simple installations.

By supplying each fixture with an equal amount of power cable from the remote mounted transformer, the EZ-6 ensures that the light output from the fixtures will be even and consistent. (Refer to voltage drop chart for wiring information on page 2.131.)



No. of fixtures:	6 (15' power cable each)
Total wattage:	300 (50w per fixture)
Power	
Remote power supply	TST-6-300
(6x) 15' power cable	See voltage drop chart page 2.131
Fixtures	
(6x) fixtures	Translite Systems monopoint with compatible fixture

300 watt remote mount magnetic power supply (TST-6-300)

- Single 120v input with six 50 watt class II low voltage outputs
- Remote mount transformer must be installed in a vertical orientation in an accessible area
- May be fully loaded for 300 watts
- Single primary tap design. Refer to voltage drop chart for wiring information on page 2.131
- Compatible with low voltage magnetic dimmers
- Fast acting circuit breakers on each secondary output provides protection against short circuit

Note: NEC class 2 wiring methods are less restrictive than class 1 and typically do not require the use of conduit and junction boxes. (Local codes may vary.) This can substantially reduce the cost of installation.

Ordering code

TST	–	6	–	300
Code				

Translite

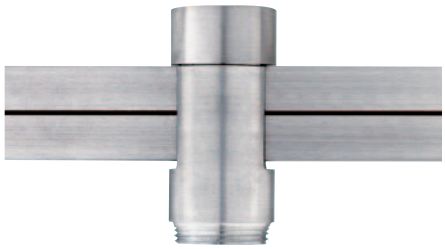
Low voltage fixtures and pendants

An arresting selection of premium luminaires. Flawless metal luminaires that come from precision machining. Elegant silk and sheer fabric shades scaled for visual impact. Intricate, hand-blown glass for unparalleled depth of color and light. Refined Fixtures, Handcrafted Fabric & Glass.

Basis Track with Retro Glass and Mini Solmon Pendants
Photographer: Andy Ahart

Transjack

MR16 Open downlight



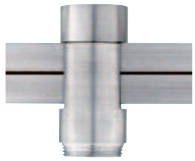
All Translite Systems low voltage fixtures and pendants are represented by an approximate overall length in the ordering code. Overall length is measured from the bottom of the track or monopoint to the bottom of the fixture or pendant. To calculate the exact distance from the bottom of the track to the bottom of the fixture, add the measurement of the system connector to the length of the fixture (not required for monopoints).

Transjack system connectors

Transjack is a universal connector that allows Translite Systems fixtures to be used interchangeably among our low voltage systems. Transjack system connector may be ordered with the fixture or separately.

- To order a fixture with a Transjack system connector, simply include the track system as part of the fixture ordering code. The Transjack system connector will be included with the fixture.
- To order a standalone fixture without a system connector, specify "NS" as your system option.

Basis wall system connector
(16" max cantilever)



Basis ceiling system connector

Liana system connector

Cable system connector

Twin Rail system connector

Ordering code [ ] – **SC** – [ ]

System

CA4	CA6	LT	TR6	BT	BTW
4" cable system connector	6" cable system connector	Liana system connector	6" twin rail system connector	Basis system connector	Basis wall system connector

Metal finish

AL	PN	WH*	RB	GB*
Aluminum	Polished nickel	White	Rubbed bronze	Gloss black

*Available for BTC and BTW only.

	Basis & Basis wall	Cable & twin rail	Liana	NS
System connector measurement	**0.38"**	**0.63"**	**0.94"**	**0"**

Transjack universal pendant connector (TJ-UNV)

The connector allows virtually any pendant to be mounted to a Translite Sonoma low voltage system. It is field adjustable and connects to our monopoint canopies and track systems (system connector ordered separately).

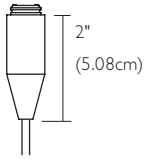
- Accepts both two wire and coaxial style cords
- Maximum weight for pendants: 5lbs.

Ordering code **Code** **TJ** – **UNV** – [ ]

Metal finish

AL	PN	RB	GB*	WH*
Aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and BTW only.



Transjack sloped ceiling adapter (TJ-CA)

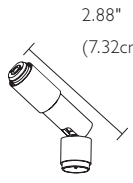
- Adjusts fixture drop from 0-90 degrees for sloped ceiling applications.
- Lockable stem rotates 360 degrees.

Ordering code **Code** **TJ** – **CA** – [ ]

Metal finish

AL	PN	RB	GB*	WH*
Aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and BTW only.



Transjack sconce adapter (TJ-SA)

- Provides an additional 90° articulation for pivoting fixtures.
- Lockable stem rotates 360°.

* Not available with Basis wall system.

Ordering code **TJ** – **SA** – [ ] – [ ]

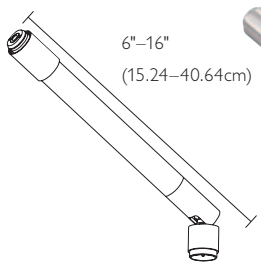
Overall length

6" – 16" Specify length

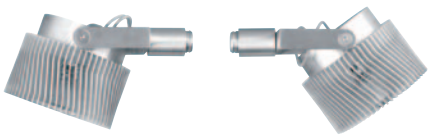
Metal finish

AL	PN	WH*	RB	GB*
Aluminum	Polished nickel	White	Rubbed bronze	Gloss black

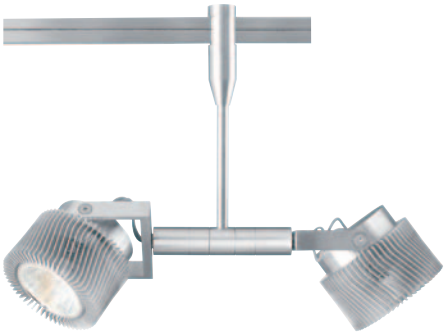
*Available for BTC and BTW only.



Step 1 – Order double connector



Step 2 – Order fixtures with Standard Length (ST) and No System Connector (NS)



Step 3 – Attach fixtures to double connector

*Available for BTC and BTW only.

Transjack double connector

- The Transjack double connector allows two Transjack compatible fixtures to be mounted at a single point on any system or monopoint.
- Full articulation on both fixtures.

1. Specify a system option for the double connector or select "NS" to mount to a monopoint.[1]

2. Select the two fixtures of your choice and specify "NS" for No System Connector. Your fixtures jack directly into the Double Connector.[2]

Ordering code TJ – DC – ☐ – ☐ – ☐

System

CA4	CA6	TR4	TR6	BT	LT	NS
4" Cable	6" Cable	4" Cable	6" Twin Rail	6" Twin Rail	Liana	No System Connector

Length (overall drop)

ST	6" - 72"
5" Standard length	Specify length

Metal finish

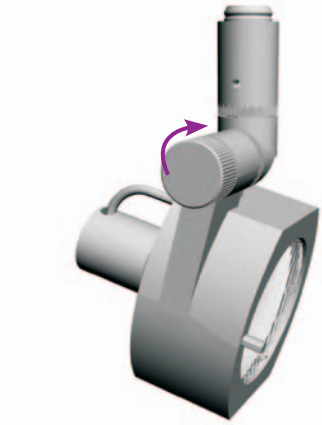
AL	PN	WH*	RB	GB*
Aluminum	Polished nickel	White	Rubbed bronze	Gloss black

1. When mounting to a Monopoint, check wattage load.
2. Fixtures mounted to TJ-DC must be standard length (ST). Not recommended for wall applications. Consult factory for variations.

Gallery series

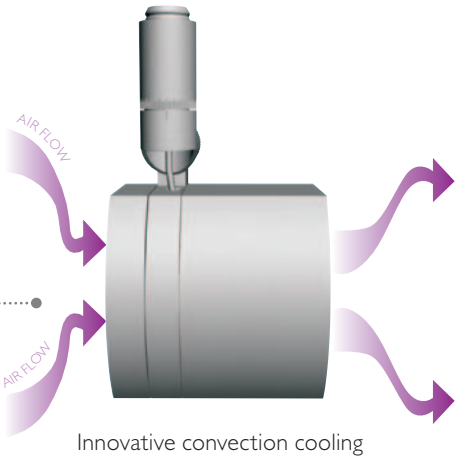
The Translite Systems Gallery series features a modular fixture design that accommodates MR-16 and AR111 lamps with a wide array of features and an extensive selection of accessories. Combining a sophisticated design, precision engineering and practical functionality, the Translite Systems Gallery Series is the system of choice for any lighting display or exhibit.

Fully featured Gallery capabilities in a modern diminutive fixture



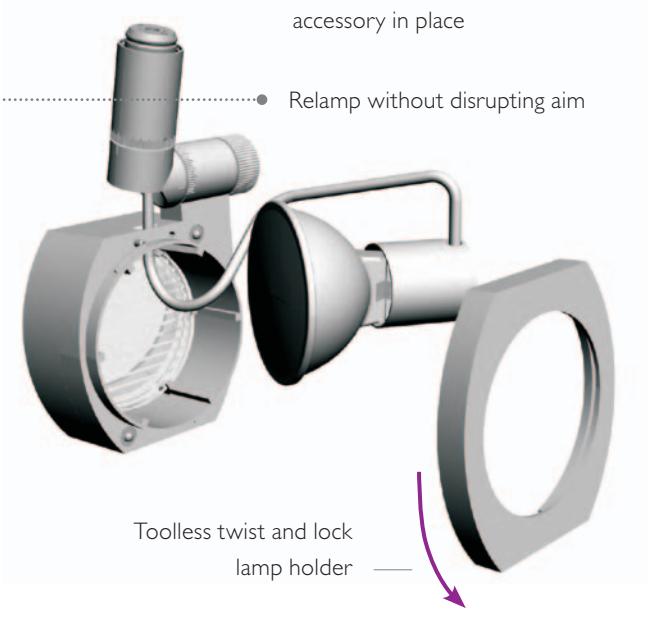
Aim and lock position with single knob 180° vertical pivot and 360° horizontal rotation

Rotate and lock up to 3 lens accessories and 1 snoot accessory in place

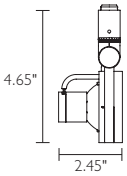


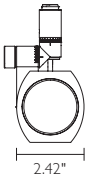
Innovative convection cooling chambers increase air flow and reduce fixture temperature

Relamp without disrupting aim

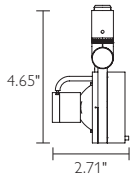


Shown with optional CA16 Softening Lens





GLO16 Triple Accessory



Gallery 16 open back

Ordering code

GLO – 16 – ____ – ____ – ____ – ____ – ____

Fixture

GLO
Gallery 16 with open back

Style

16
MR-16 lamp

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS[1]
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall length

ST
5" Standard length

6" – 72"
Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

27F
7 watt
2700K
24° Flood

30F
7 watt
3000K
24° Flood

Philips EnduraLED

System finish

AL
Satin aluminum

GB[2]
Gloss black

Accessory holders

1
Single accessory holder

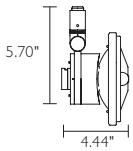
3
Triple accessory holder

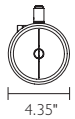
LED
Options

- Precision machined gallery fixture with single knob vertical and horizontal locking
- 180° vertical pivot and 360° horizontal rotation
- Keyed accessories
- Low voltage MR-16 lamp up to 50 watts (not included)
- Toolless relamping without disrupting aiming
- UL and CUL Listed

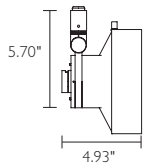
Compatible accessories
See page 2.15 for Gallery specific accessories.
[1] Requires a minimum overall length of 10" with Monopoint canopies.
[2] Only available for Basis track.

GLO111Open Lamp





GLO111Triple Accessory shown with optional Spread Lens



Gallery 111 open back

Ordering code

GLO – 111 – ____ – ____ – ____ – ____

Fixture

GLO
Gallery 111 with open back

Style

111
AR-111 Lamp

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS[1]
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis Wall (max. 16")	Liana	No system connector

Overall length

ST
5" Standard length

6" – 72"
Specify length (in 6" increments)

System finish

AL
Satin aluminum

GB[2]
Gloss black

Accessory holders

0
Open Lamp
No Accessory Holder

3
Triple Accessory Holder

- Precision machined gallery fixture with single knob vertical and horizontal locking
- 150° vertical pivot and 360° horizontal rotation
- Keyed accessories
- Low voltage AR11 lamp up to 50 watts (not included)
- Toolless relamping without disrupting aiming
- UL and CUL Listed

Compatible accessories
See page 2.15 for Gallery specific accessories.
[1] Requires a minimum overall length of 10" with Monopoint canopies.
[2] Only available for Basis track.

Gallery 16 enclosed

Ordering code

GLE – 16 – ☐ – ☐ – ☐ – ☐ – ☐

Fixture

GLE
Gallery 16 with enclosed backshield

Style

16
MR-16 lamp

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS[1]
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis Wall (max. 16")	Liana	No system connector

Overall length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

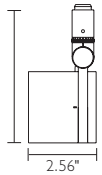
Leave blank for standard MR-16 (not included)

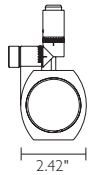
System finish

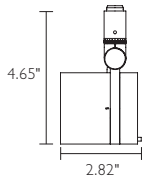
AL	GB[2]
Satin aluminum	Gloss black

Accessory holders

1	3
Single accessory holder	Triple accessory holder







Shown with optional spread lens

GLE16 Triple accessory

- Precision machined gallery fixture with single knob vertical and horizontal locking
- 180° vertical pivot and 360° horizontal rotation
- Keyed accessories
- Low voltage MR-16 lamp up to 50 watts (not included)
- Toolless relamping without disrupting aiming
- UL and CUL Listed

Compatible accessories
See page 2.15 for Gallery specific accessories.
[1] Requires a minimum overall length of 10" with Monopoint canopies.
[2] Only available for Basis track.

Gallery 111 enclosed

Ordering code

GLE – 111 – ☐ – ☐ – ☐ – ☐

Fixture

GLE
Gallery 111 with enclosed backshield

Style

111
AR-111 Lamp

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS[1]
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis Wall (max. 16")	Liana	No system connector

Overall length

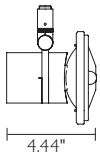
ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

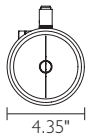
System finish

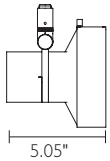
AL	GB[2]
Satin aluminum	Gloss black

Accessory holders

O	3
Open Lamp No Accessory Holder	Triple Accessory Holder







GLE111 Open lamp

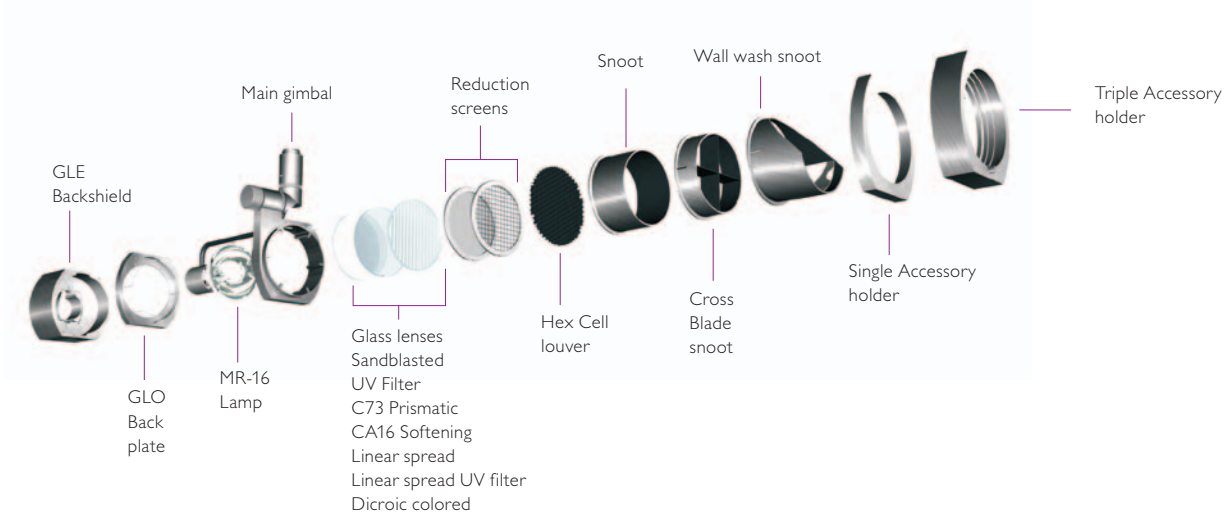
GLE111 Triple accessory shown with optional spread lens

Compatible accessories
See page 2.15 for Gallery specific accessories.
[1] Requires a minimum overall length of 10" with Monopoint canopies.
[2] Only available for Basis track.

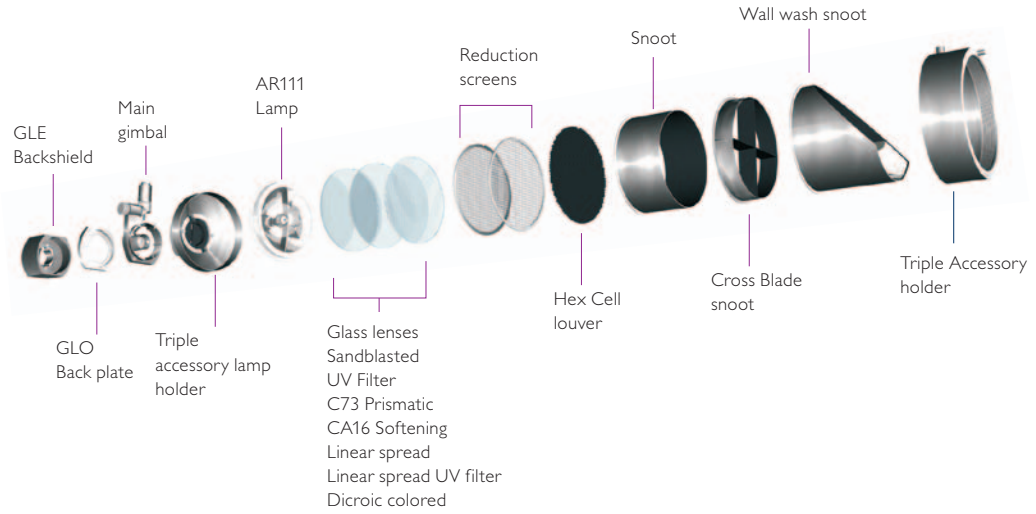
Gallery series

The Translite Systems Gallery series combines a sleek, minimal design and gallery functionality into a low voltage fixture that is compatible with any of Translite Systems' low voltage systems and monopoints. The Gallery Series is based upon a single gimbal that accommodates numerous combinations of modular accessories for both MR-16 and AR111 lamps. The graphic below illustrates the extensive offering of accessories available for Translite Systems' low voltage Gallery fixture. Translite Systems' Gallery fixture is a keyed assembly that snaps easily in place without the use of tools. Gallery fixtures can be altered on the spot as exhibits evolve and lighting needs change.

Gallery 16



Gallery 111



Gallery accessories

Backshield
Rounded, solid shield fits over the back of MR-16 lamp. Reduces back light from the lamp. For use with GLO16 only.

Ordering code
988-AL
988-GB
988-RB
988-WH

Snoot
Provides maximum light shielding and cut-off to lamp. 45° lamp shielding angle. Aluminum and Rubbed bronze.

Ordering code
GL-16-987-AL
GL-111-987-AL
GL-16-987-GB
GL-111-987-GB

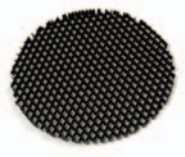
Wall wash snoot
Kick reflector enhances wall washing capabilities. Aluminum and rubbed Bronze.

Ordering code
GL-16-986-AL
GL-111-986-AL
GL-16-986-GB
GL-111-986-GB

Cross blade snoot
Provides additional cut-off shielding to enhance visual comfort. Aluminum and Rubbed bronze.

Ordering code
GL-16-985-AL
GL-111-985-AL
GL-16-985-GB
GL-111-985-GB

Hex cell louver
Diffuser 1/8" thick.



Ordering code
GL-16-995
GL-111-995

Reduction screens
Each kit contains two 15% and two 40% light reduction screens.

Ordering code
GL-16-982
GL-111-982

Sandblasted lens
Diffusing lens. 1/8" thick.

Ordering code
GL-16-990
GL-111-990

Optivex™ UV lens filter
Blocks transmission below 400nm. Retards photo chemical degradation. 1/8" thick.

Ordering code
GL-16-993
GL-111-993

C73 Prismatic spread
Prismatic softening lens. 1/8" thick.

Ordering code
GL-16-983
GL-111-983

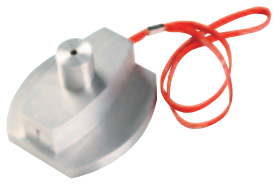
CA16 Solite softening lens
High transmission softening lens. 1/8" thick.

Ordering code
GL-16-991
GL-111-991

Skytex linear spread
Directional spread beam elongator. 1/8" thick.

Ordering code
GL-16-992
GL-111-992

Laser aiming tool
Provides additional support for precision aiming when choosing to highlight a design from a specific angle.



Ordering code
GL-AIM

Dichroic colored lenses
1/8" thick. Dichroic colored lenses.

Ordering code example
GL-16-996-BL
(Blue lens for Gallery 16 fixture)

Mixing color filters
Filters shown together mix to white.

Ordering code
GL-16-996-__
GL-111-996-__

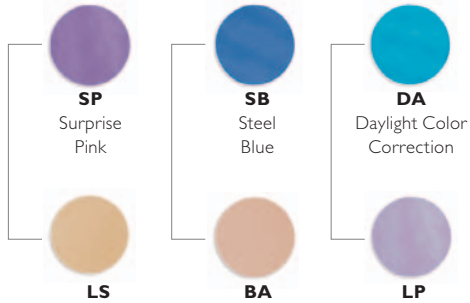
Primary colors:

RD Red
BL Blue
GR Green

Secondary colors:

MM Medium Magenta
BG Blue Green
YL Yellow Green
AM Medium Amber

Ordering code
GL-16-996-__
GL-111-996-__



SP Surprise Pink
SB Steel Blue
DA Daylight Color Correction
LS Light Straw
BA Bastard Amber
LP Light Pink

Twirl Small

- Small open, decorative, louvered metal pendant
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Ordering code

TSL1 – ☐ – ☐ – ☐ – ☐

Fixture

TLS1
Twirl Small Cable Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 60"
72" Standard length	Specify length (in 12" increments)

Lamping

Leave blank for standard MR-16 (not included)	27F	30F
	7 watt 2700K 24° Flood	7 watt 3000K 24° Flood
	Philips Endura LED	

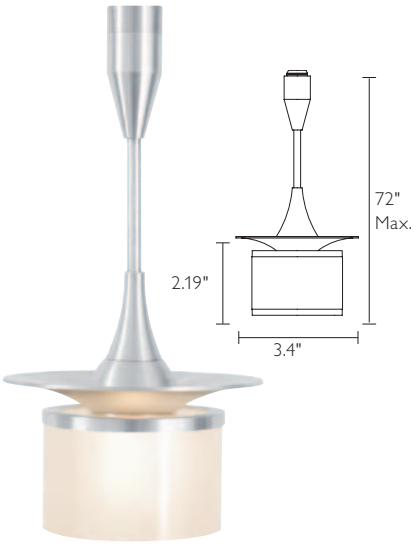
Metal finish

AL	PN	GB*	WH*
Aluminum	Polished nickel	Gloss black	White

LED
Options

Compatible accessories
No accessories available.

*Available for BTC and NS only.



Luca

- Decorative mini glass pendant
- Low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Ordering code

LCA1 – ☐ – ☐ – ☐ – ☐

Fixture

LCA1
Luca cable suspended short

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 60"
72" Standard length	Specify length (in 12" increments)

Diffuser color

RS	GL	CL	CB
Resin	Gold	Clear	Cobalt

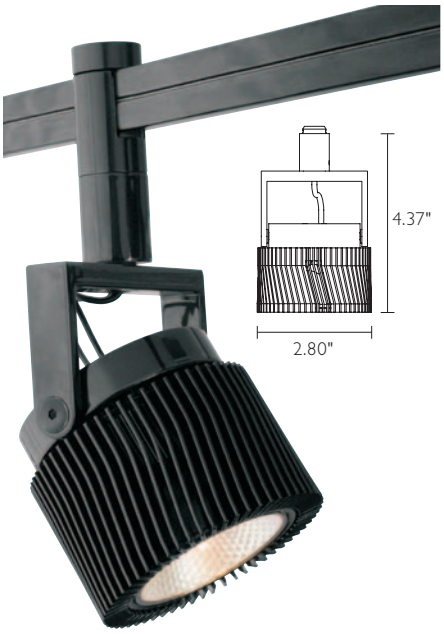
System finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and NS only.

Basis Wall with Rotor Fixtures – Georgia Aquarium, GA Photographer: Kieran Reynolds

Micro Spot W



- Adjustable fixture
- Continuous 360° rotation and 180° pivot
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)
- UL and CUL Listed

Ordering code MIW – ____ – ____ – ____ – ____

Fixture

MIW
Micro Spot W Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (Max 16")	Liana	No system connector

Overall length

ST 5" Standard length

6" – 72" Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	GB*	WH*
Aluminum	Polished nickel	Gloss black	White

Compatible accessories
No accessories available.

*Available for BTC, BTW, and NS only.

Propulsion

- Adjustable fixture
- Continuous 360° rotation and 230° pivot
- Double accessory holder standard
- Low voltage MR-16 lamp up to 50 watts (not included)
- UL and CUL Listed

Ordering code PRP – ____ – ____ – ____ – ____

Fixture

PRP
Propulsion Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (Max 16")	Liana	No system connector

Overall length

ST 5" Standard length

6" – 72" Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	GB*	WH*
Aluminum	Polished nickel	Gloss black	White

Compatible accessories
Snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-04.

*Available for BTC, BTW and NS only.

Moto

Ordering code MOT – ☐ – ☐ – ☐ – ☐

Fixture

MOT
Moto Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)	**27F** 7 watt 2700k 24° flood	**30F** 7 watt 3000k 24° flood

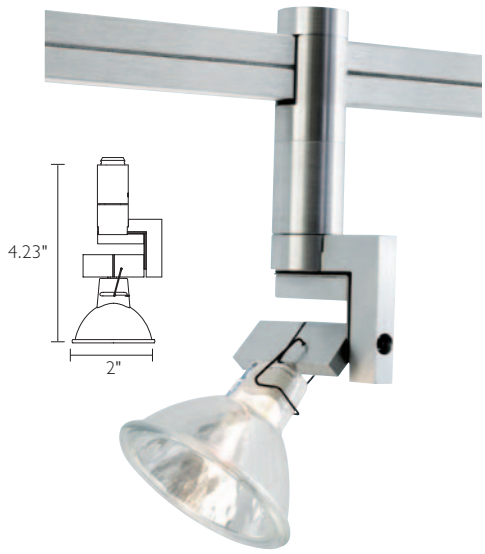
Philips EnduraLED

Metal finish

AL	PN	RB
Aluminum	Polished nickel	Rubbed bronze

LED Options

Compatible accessories
Single lens clip, single and double accessory holder, back shield, snoot, barn doors, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-03.



- Adjustable fixture with 24kt gold plated brass socket pins
- Continuous 360° rotation and 250° pivot
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)
- UL and CUL Listed

Volare

Ordering code VOL – ☐ – ☐ – ☐ – ☐

Fixture

VOL
Volare Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall length

ST	6" – 36"
5" Standard length	Specify length (in 6" increments)

Lamping

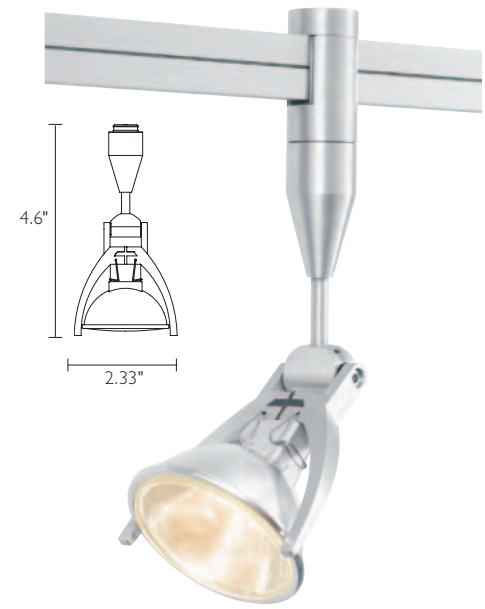
Leave blank for standard MR-16 (not included)	**27F** 7 watt 2700k 24° flood	**30F** 7 watt 3000k 24° flood

Philips EnduraLED

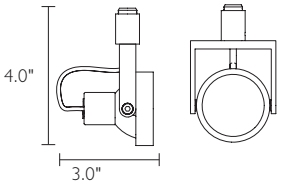
Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

LED Options



- Adjustable fixture with 24kt gold plated brass socket pins
- Continuous 360° rotation and 270° pivot
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)
- UL and CUL Listed



Micro Spot R

Ordering code

MIR – S – ☐ – ☐ – ☐ – ☐

Fixture

MIR
Micro Spot R Stem Suspended

Style

S
Single lamp

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall Length

ST 5" Standard length

6" – 72" Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

27F 7 watt 2700k 24° flood

30F 7 watt 3000k 24° flood

Philips EnduraLED

System finish

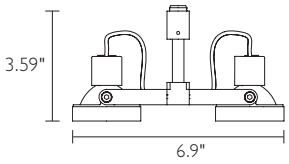
AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

LED Options

Compatible accessories
Snoot, glass lens, louver, filter and backshield. See accessory ordering guide page 2.40 column TSA-04.

* Available for BTC, BTW and NS only.

- Adjustable round gimbal ring fixture
- Continuous 360° rotation and 300° pivot
- Double accessory holder standard
- Low voltage MR-16 lamp up to 50 watts (not included)
- UL and CUL Listed



Micro Spot R Double

Ordering code

MIR – D – ☐ – ☐ – ☐ – ☐

Fixture

MIR
Micro Spot R Stem Suspended

Style

D
Double

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS†
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall Length

ST 5" Standard length

6" – 72" Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

27F 7 watt 2700k 24° flood

30F 7 watt 3000k 24° flood

Philips EnduraLED

System finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

LED Options

Compatible accessories
Snoot, glass lens, louver, filter and backshield. See accessory ordering guide page 2.40 column TSA-04.

† When mounting to Monopoint, check wattage capacity.
* Available for BTC, BTW and NS only.

- Adjustable fixture with two heads
- Fixtures have 360° rotation and 300° pivot
- Double accessory holders standard
- Low voltage MR-16 lamps up to 50 watts (not included)
- UL and CUL Listed

Micro Spot S

Ordering code

MIS – S – ☐ – ☐ – ☐ – ☐

Fixture

MIS
Micro Spot S Stem Suspended

Style

S
Single lamp

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS†
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)	**27F** 7 watt 2700k 24° flood	**30F** 7 watt 3000k 24° flood

Philips EnduraLED

System finish

AL	PN	RB	GB*	WH*	LED Options
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White	

Compatible accessories
Snoot, glass lens, louver, filter and backshield. See accessory ordering guide page 2.40 column TSA-04.

* Available for BTC, BTW and NS only.

- Adjustable square gimbal ring fixture
- Fixture has 360° rotation and 300° pivot
- Double accessory holder standard
- Low voltage MR-16 lamp up to 50 watts (not included)
- UL and CUL Listed

Micro Spot S Double

Ordering Code

MIS – D – ☐ – ☐ – ☐ – ☐

Fixture

MIS
Micro spot S Stem Suspended

Style

D
Double

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS†
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall Length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)	**27F** 7 watt 2700k 24° flood	**30F** 7 watt 3000k 24° flood

Philips EnduraLED

System finish

AL	PN	RB	GB*	WH*	LED Options
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White	

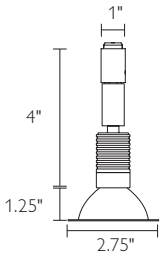
Compatible accessories
Snoot, glass lens, and louver. See accessory ordering guide page 2.40 column TSA-04.

† When mounting to Monopoint, check wattage capacity.
* Available for BTC, BTW and NS only.

- Adjustable fixture with two heads
- Fixtures have 360° rotation and 180° pivot
- Double accessory holders standard
- Low voltage MR-16 lamps up to 50 watts (not included)
- UL and CUL Listed

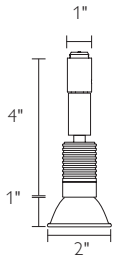
Micro Spot E

AR70
Satin aluminum



AR70

MR-16
Rubbed bronze



MR-16

- Adjustable fixture
- 90° pivot at the socket and rotates 360°
- Open fixture rated low voltage MR-16 or AR70 lamp up to 50 watts (not included)

Ordering code MIE – ___ – ___ – ___ – ___

Fixture

MIE
Micro Spot E Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)	27F 7 watt 2700k 24° flood	30F 7 watt 3000k 24° flood

Philips EnduraLED

Metal finish

AL	PN	RB	GB*	WH*	LED Options
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White	

*Available for BTC , BTW, and NS only.

Compatible accessories
(not compatible with AR70 option): Single lens clip, single and double accessory holders, back shield, snoot, barn doors, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-03.

Euro

- Adjustable fixture with 24kt gold plated brass socket pins.
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included).
- Pivots 220° at the socket and 120° at the track.

Ordering code EUR – ___ – ___ – ___ – ___

Fixture

EUR
Euro

System

CA4	CA6	BTC
4" Cable	6" Cable	Basis ceiling

Overall length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)	27F 7 watt 2700k 24° flood	30F 7 watt 3000k 24° flood

Philips EnduraLED

Metal finish

AL	PN	RB	LED Options
Aluminum	Polished nickel	Rubbed bronze	

Compatible accessories
Single lens clip, single and double accessory holders, back shield, snoot, barn doors, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-03.

Hemilumen

Ordering code HEM – ___ – ___ – ___ – ___

Fixture

HEM
Hemilumen

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall length

ST	12" – 36"
6" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)	27F 7 watt 2700k 24° flood	30F 7 watt 3000k 24° flood

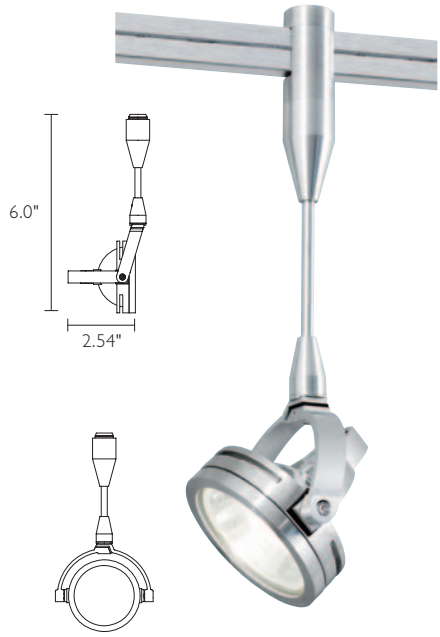
Philips EnduraLED

Metal finish

AL	PN	RB
Aluminum	Polished nickel	Rubbed bronze

LED Options

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-04.



- Adjustable fixture
- Continuous 360° rotation and 330° pivot
- Single accessory holder standard
- Low voltage MR-16 lamp up to 50 watts (not included)
- UL and CUL Listed

Flexi Spot

Ordering code FLX – ___ – ___ – ___ – ___ – ___

Fixture

FLX
Flexi Spot Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max.16")	Liana	No system connector

Overall length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

Diffuser color

AM	GR	WH	NG
Amber	Green	White	No Glass

System finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

* Glass does not illuminate with LED application.

- Adjustable fixture with optional glass shade
- 90° pivot at the socket and rotates 360°
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)

Compatible accessories
(not compatible with glass diffuser): Single lens clip, single and double accessory holders, snoot, barn doors, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-03.

Basio

MR-16

- Decorative pendant
- Includes accessory holder with clear lens for MR-16 lamp option
- Open fixture rated low voltage MR-16 or AR111 lamp up to 50 watts (not included)
- Suspended by field adjustable cable

Ordering code BSO1 – ☐ – ☐ – ☐ – ☐

Fixture

BSO1
Basio cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

Lamping

AR111	MR-16
75w Max.	50w Max. (includes glare shield w/ integral lens holder)

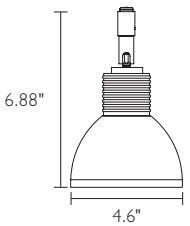
Metal finish

AL	PN	RB
Aluminum	Polished nickel	Rubbed bronze

Compatible accessories
(not compatible with AR111 option):
Double accessory holder, glass lens, louver, filter.
See accessory ordering guide page 2.40 column TSA-04.

AR111

MR16



- Decorative fixture
- Includes single accessory holder with clear lens for MR-16 lamp option
- Continuous 360° rotation and 90° pivot at the socket
- Open fixture rated low voltage MR-16 or AR111 lamp up to 50 watts (not included)

Ordering code BSO2 – ☐ – ☐ – ☐ – ☐

Fixture

BSO2
Basio Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
7" Standard length	Specify length (in 6" increments)

Lamping

AR111	MR-16
75w Max.	50w Max. (includes glare shield w/ integral lens holder)

Metal finish

AL	PN	RB
Aluminum	Polished nickel	Rubbed bronze

Compatible accessories
(not compatible with AR111 option):
Double accessory holder, glass lens, louver, filter.
See accessory ordering guide page 2.40 column TSA-04.

Rotor

Ordering code RTR – ___ – ___ – ___ – ___

Fixture

RTR
Rotor Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall length

ST	6" – 36"
5" Standard length	Specify length (in 6" increments)

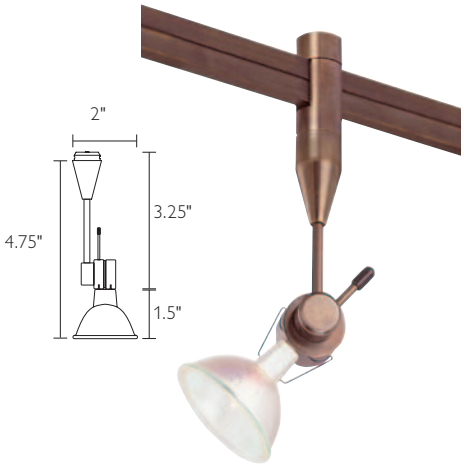
Lamping

Leave blank for standard MR-16 (not included)	27F 7 watt 2700k 24° flood	30F 7 watt 3000k 24° flood

Philips EnduraLED

Metal finish

AL	PN	RB	LED
Aluminum	Polished nickel	Rubbed bronze	Options



- Adjustable fixture with 24kt gold plated brass socket pins
- Pivots 270° at the socket and rotates 360°
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)

Compatible accessories
Single lens clip, single and double accessory holders, back shield, snoot, barn doors, glass lens, louver, filter. Ordering guide page 2.40 column TSA-03.

Retro 11

Ordering code REE – ___ – ___ – ___ – ___

Fixture

REE
Retro 11 Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis wall (max. 16")	Liana	No system connector

Overall length

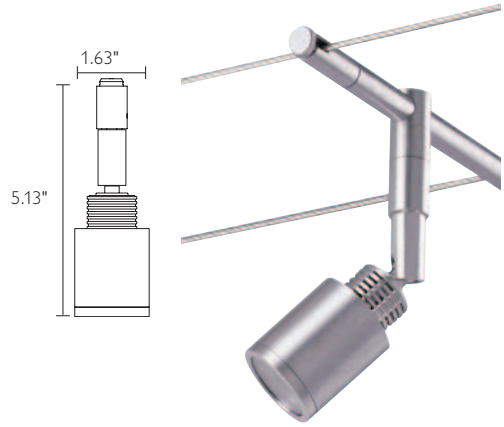
ST	6" – 36"
5" Standard length	Specify length (in 6" increments)

Lamping

ALR12	MR11
20w max.	35w max.

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

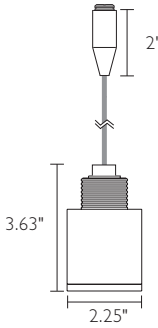


- Adjustable fixture
- Includes single accessory holder and clear lens
- Continuous 360° rotation and 90° pivot at the socket
- Low voltage MR11 lamp up to 35 watts or Phillips ALR up to 20 watts (not included)

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-02.

*Available for BTC, BTW and NS only.

Retro 16



- Decorative pendant
- Includes single accessory holder and clear lens
- Low voltage MR-16 lamp up to 50 watts (not included)
- Suspended by field adjustable cable

Ordering code RES1 – ___ – ___ – ___ – ___

Fixture

RES1
Retro 16 Cable Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

Lamping

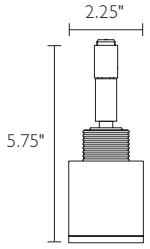
Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-04.

*Available for BTC and NS only.



- Adjustable fixture
- Includes single accessory holder and clear lens
- Continuous 360° rotation and 90° pivot at the socket
- Low voltage MR-16 lamp up to 50 watts (not included)
- Minimum OAL 10" when used with 2" remodel Monopoint canopies

Ordering code RES2 – ___ – ___ – ___ – ___

Fixture

RES2
Retro 16 Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	BTW	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis Wall	Liana	No system connector

Overall length

ST	12" – 72"
6" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-04.

*Available for BTC, BTW, and NS only.

Retro 20

Ordering code

RET1 – ☐ – ☐ – ☐ – ☐

Fixture

RET1
Retro 20 Cable Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

Lamping

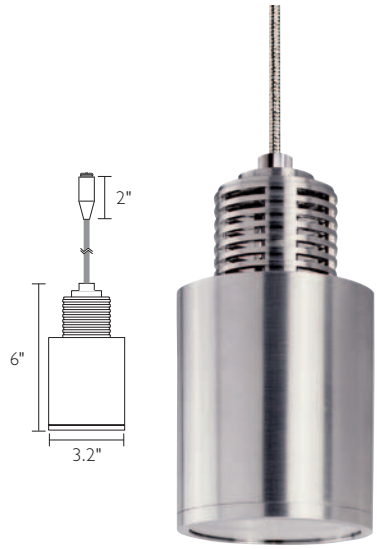
AR70	MR-16
50W max.	50W Max.

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-05.

*Available for BTC and NS only.



- Decorative pendant
- Includes single accessory holder and clear lens
- Low voltage MR-16 or AR70 lamp up to 50 watts (not included)
- Suspended by field adjustable cable

Ordering code

RET2 – ☐ – ☐ – ☐ – ☐

Fixture

RET2
Retro 20 Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
8" Standard length	Specify length (in 6" increments)

Lamping

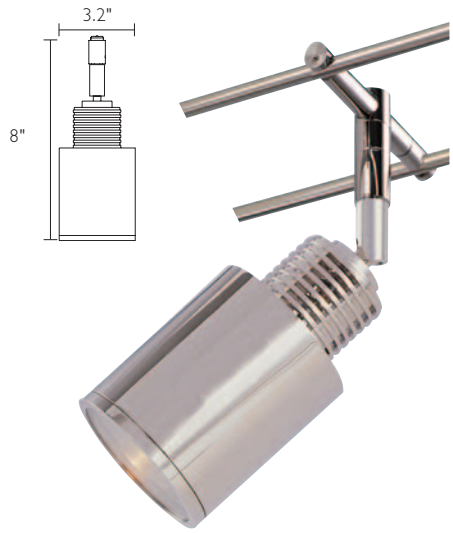
AR70	MR-16
50W max.	50W Max.

Metal finish

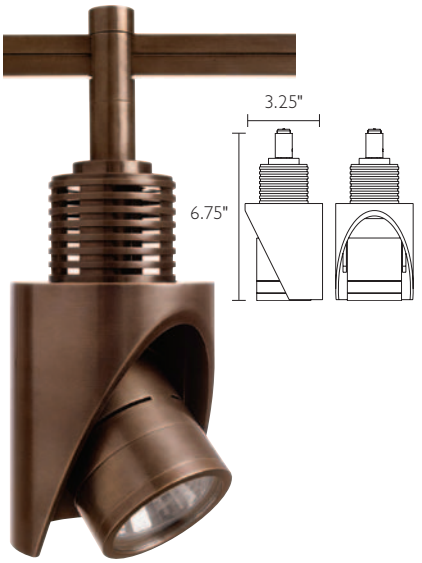
AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-05.

*Available for BTC, BTW, and NS only.



- Adjustable fixture
- Includes single accessory holder and clear lens
- Continuous 360° rotation and 90° pivot at the socket
- Low voltage MR-16 or AR70 lamp up to 50 Watts (not included)



Retro 20d

- Adjustable fixture
- Includes single accessory holder and clear lens
- Continuous 360° rotation and 90° pivot at the socket
- Low voltage MR16 lamp up to 50 watts (not included)

Ordering code

RED – ☐ – ☐ – ☐ – ☐

Fixture

RED
Retro 20d Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
7" Standard length	Specify length (in 12" increments)

Lamping

Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter.
See accessory ordering guide page 2.40 column TSA-04.

Micro Spot D

- Adjustable fixture
- Includes single accessory holder and clear lens
- Continuous 360° rotation and 90° pivot at the socket
- Low voltage MR-16 lamp up to 50 watts (not included)
- Minimum OAL 8" when used with 2" remodel Monopoint canopies

Ordering code

MID – ☐ – ☐ – ☐ – ☐

Fixture

MID
Micro spot D Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
4" Standard length	Specify length (in 12" increments)

Lamping

Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter.
See accessory ordering guide page 2.40 column TSA-04.

*Available for BTC, BTW, and NS only.

Micro Spot G

Ordering code

MIG – ☐ – ☐ – ☐ – ☐

Fixture

MIG
Micro Spot G Stem Suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

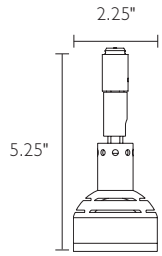
ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White



- Adjustable fixture
- Includes single accessory holder and clear lens
- Continuous 360° rotation and 90° pivot at the socket
- Low voltage MR-16 lamp up to 50 watts (not included)
- Minimum OAL 9" when used with 2" remodel Monopoint canopies

Compatible accessories
Double accessory holder, snoot, glass lens, louver, filter.
See accessory ordering guide page 2.40 column TSA-04.

*Available for BTC, BTW, and NS only.

Television

Ordering code

TVN – ☐ – ☐

Fixture

TVN
Television

System

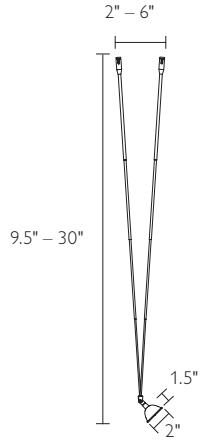
CA4	CA6	TR4	TR6	BTC	BTW
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Basis Wall

Lamping

Leave blank for standard MR-16 (not included)	**27F** 7 watt 2700k 24° flood	**30F** 7 watt 3000k 24° flood

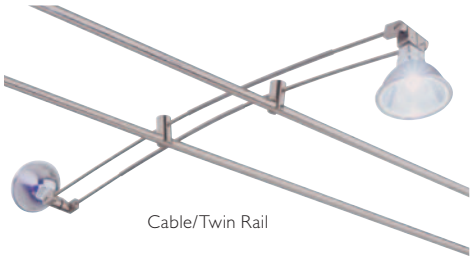
Philips EnduraLED

LED Options

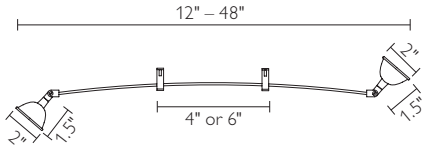


Compatible accessories
Single lens clip, single and double accessory holders, back shield, snoot, barn doors, glass lens, louver, filter.
See accessory ordering guide page 2.40 column TSA-03.

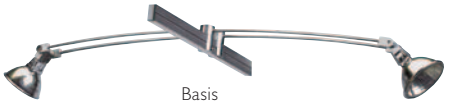
- Adjustable fixture with telescoping arms and 24kt gold plated brass socket pins
- Polished nickel finish
- Pivots 270° at the socket
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)



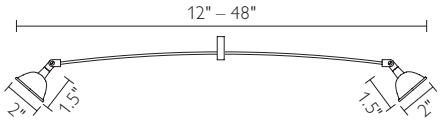
Cable/Twin Rail



- Adjustable fixture with two independently adjustable lamps and 24kt gold plated brass socket pins
- Pivots 270° at the socket
- Open fixture rated low voltage MR-16 lamps up to 50 watts (not included)
- Field adjustable



Basis



Double Dip

Ordering code

DDP – ____ – ____ – ____ – ____

Fixture

DDP
Double dip

System

CA4	CA6	TR4	TR6	BTC
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling

Width

12"-48"
Specify Width (in 6" increments)

Lamping

Leave blank for standard MR-16 (not included)

27F	30F
7 watt 2700k 24° flood	7 watt 3000k 24° flood

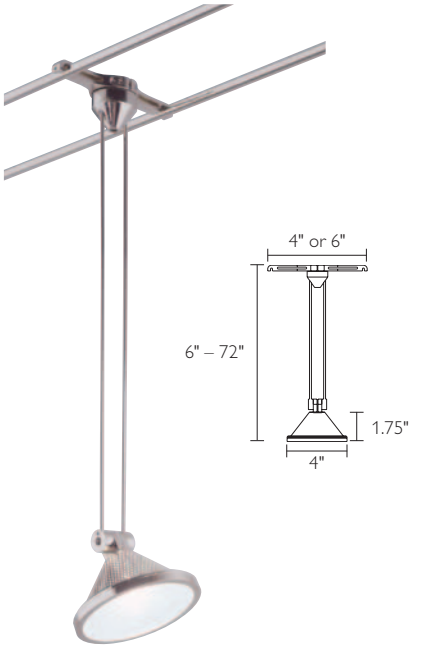
Philips EnduraLED

Metal finish

AL	PN
Satin aluminum	Polished nickel

LED
Options

Compatible accessories
(each lamp requires separate accessories):
Single lens clip, single and double accessory holders, back shield, snoot, barn doors, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-03.



Super Aria

Ordering code

SAR – ____ – ____ – ____

Fixture

SAR
Super Aria

System

CA4	CA6	TR4	TR6	BTC
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling

Overall length

6" – 72"
Specify length (in 6" increments)

Metal finish

AL	PN
Satin aluminum	Polished nickel

Compatible accessories
Glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-06 .

- Fixture with integral perforated shade and sandblasted glass lens
- Pivots 270° at the socket and rotates 350° at its base
- Low voltage halogen bi-pin lamp up to 50 watts (not included)
- Single accessory holder included
- Field adjustable

Super Sing

Ordering code SSG – ☐ – ☐ – ☐

Fixture

SSG
Super Sing

System

CA4	CA6	TR4	TR6	BTC
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling

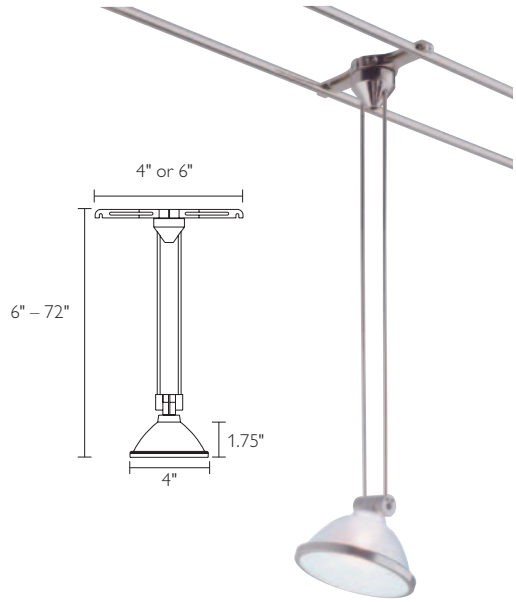
Overall length

6" – 72"
Specify length (in 6" increments)

Metal finish

AL	PN
Satin aluminum	Polished nickel

Compatible accessories
Glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-06 .



- Fixture with integral 26° dichroic glass reflector and sandblasted glass lens
- Pivots 270° at the socket and rotates 350° at its base
- Low voltage halogen bi-pin lamp up to 50 watts (not included)
- Single accessory holder included
- Field adjustable

Demilumen

Ordering code DEM – ☐ – ☐ – ☐

Fixture

DEM
Demilumen

System

CA4	CA6	TR4	TR6
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail

Metal finish

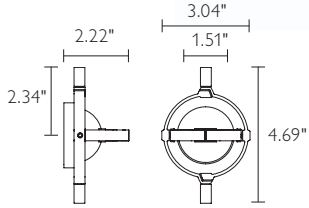
AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Option

LN
Integral Accessory Holder

Compatible accessories
Snoot, glass lens, louver, filter. See accessory ordering guide page 2.40 column TSA-04.

* Cable system only.



- Highly adjustable fixture with 24kt gold plated brass socket pins
- Pivots 170° at the socket and rotates 360°
- Open fixture rated low voltage MR-16 lamp up to 50 watts (not included)

Pendants

Translite low voltage

Merging the minimal lines of modern track lighting with the warmth, tone and texture of classical design

Cadre Medium

Ordering code

CDM2 – ☐ – ☐ – ☐ – ☐

Fixture

CDM2
Cadre medium stem suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
45" Standard length	Specify length (in 6" increments)

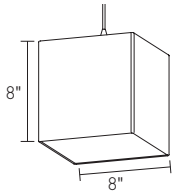
Diffuser color

GVN	MSS	WHT	IVR	CRL	APR	Imt	CPR
Green vine	Moss	White	Ivory	Coral	Apricot	iced mint	Copper

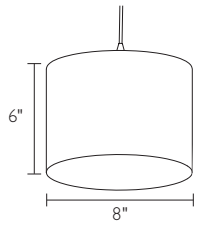
Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

Compatible accessories
Acrylic diffusers
Bottom only: 996-B-CDM
Top and bottom: 996-CDM



- Small cube fabric shade
- Handcrafted from finest Dupioni silks and sheer fabrics
- Available in three elegant tones and three metal finishes
- Fire retardant internal liner and nickel frame
- Open fixture rated low voltage Xenon lamp
- 40 watts maximum (2 x 20 watts per lamp only)
- 0.1875"Ø field adjustable stem



Tamour Medium

Ordering code TMM2 – ☐ – ☐ – ☐ – ☐

Fixture

TMM2
Tamour Medium stem suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 36"
43" Standard Length	Specify length (in 6" increments)

Diffuser color

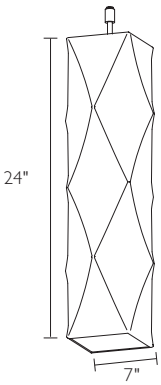
GVN	MSS	WHT	IVR	CRL	APR	IMT	CPR
Green vine	Moss	White	Ivory	Coral	Apricot	Iced mint	Copper

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

- Medium cylindrical fabric shade
- Handcrafted from finest Dupioni silks and sheer fabrics
- Fire retardant internal liner and nickel frame
- Open fixture rated low voltage Xenon lamp
- 40 watts maximum (2 x 20 watts per lamp only)
- 0.1875"Ø field adjustable stem

Compatible accessories
Acrylic diffusers
Bottom only: 996-B-TMM
Top and Bottom: 996-TMM



Prisma

Ordering code PRM2 – ☐ – ☐ – ☐ – ☐

Fixture

PRM2
Prisma stem suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	36" – 72"
61" Standard length	Specify length (in 6" increments)

Diffuser color

GVN	MSS	WHT	IVR	CRL	APR	IMT	CPR
Green vine	Moss	White	Ivory	Coral	Apricot	Iced mint	Copper

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze

- Long, prismatic shaped fabric shade
- Handcrafted from finest Dupioni silks and sheer fabrics
- Fire retardant internal liner and nickel frame
- Open fixture rated low voltage Xenon lamp
- 120 watts maximum (6 x 20 watts per lamp only)
- 0.375"Ø field adjustable stem

Compatible accessories
Acrylic diffusers
Bottom only: 996-B-PRM
Top and bottom: 996-PRM

Mini Norton

Ordering code

MNN1 – ☐ – ☐ – ☐ – ☐ – ☐

Fixture

MNN1
Mini Norton cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	24" – 72"
72" Standard length	Specify length (in 12" increments)

Cap finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

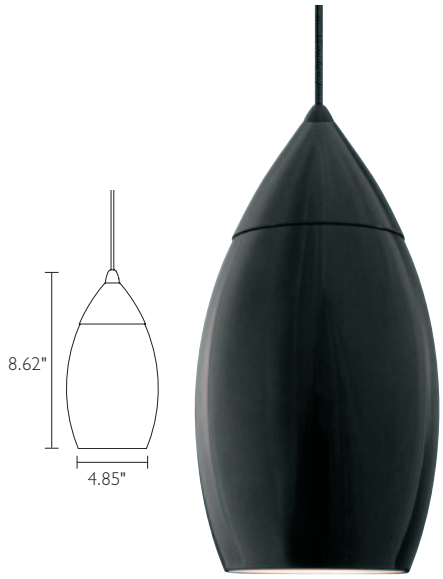
Diffuser color

TG	SW	PW	GB*
Turner gold	Sausalito white	Polar white	Gloss black

System finish

AL	PN	RB	GB	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and NS only.



- Multi-layered hand-blown glass pendant
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Mini Solmon

Ordering code

MSN1 – ☐ – ☐ – ☐ – ☐

Fixture

MSN1
Mini Solmon cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	24" – 72"
72" Standard Length	Specify length (in 12" increments)

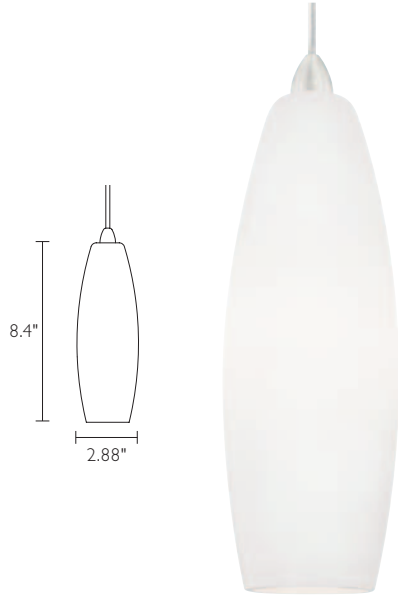
Cap finish

TM	SW	PW	GB
Solomon red	Sausalito white	Polar white	Gloss black

Diffuser color

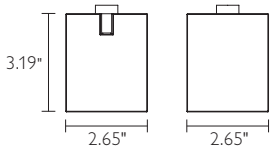
AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and NS only.



- Multi-layered hand-blown glass pendant
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Crystal Cube



- Decorative mini crystal glass cube in four translucent colors
- Mounts directly on straight or curved Basis Track
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- UL and CUL Listed

Ordering code CRC3 – ___ – ___ – ___

Fixture

CRC3
Crystal Cube

System

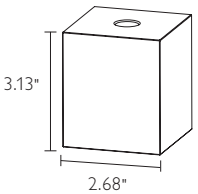
BTC
Basis ceiling

Diffuser color

RS Resin | **GD** Gold | **CL** Clear | **CB** Cobalt

System finish

AL Satin aluminum | **PN** Polished nickel | **RB** Rubbed bronze | **GB** Gloss black | **WH** White



- Decorative mini glass pendant in four translucent colors
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable

Ordering code CRC1 – ___ – ___ – ___ – ___

Fixture

CRC1
Crystal Cube Pendant Cable Suspended

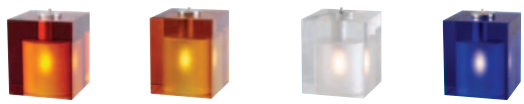
System

CA4 4" Cable | **CA6** 6" Cable | **TR4** 4" Twin Rail | **TR6** 6" Twin Rail | **BTC** Basis ceiling | **LT** Liana | **NS** No system connector

Overall length

ST 72" Standard length | **12" – 72"** Specify length (in 12" increments)

Diffuser color



RS Resin | **GD** Gold | **CL** Clear | **CB** Cobalt

Metal finish

AL Satin aluminum | **PN** Polished nickel | **RB** Rubbed bronze

Miwok

Ordering code **MWK1** – ☐ – ☐ – ☐

Fixture

MWK1
Miwok

System

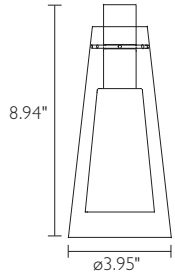
CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

System finish

AL	PN	GB	WH
Satin aluminum	Polished nickel	Gloss black	White



- Decorative mini glass pendant
- Outer glass is clear and inner glass is polar white
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Napa

Ordering code **NAP1** – ☐ – ☐ – ☐

Fixture

NAP1
Napa

System

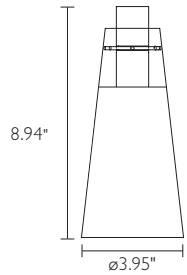
CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

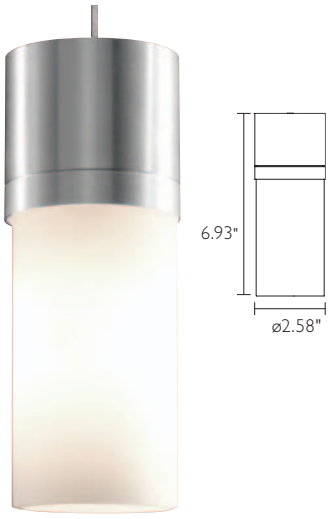
ST	12" – 72"
72" Standard Length	Specify length (in 12" increments)

System finish

AL	PN	GB	WH
Satin aluminum	Polished nickel	Gloss black	White



- Decorative mini glass pendant
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed



Patwin

Ordering code PAT1 – ☐ – ☐ – ☐

Fixture
PAT1

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

System finish

AL	PN	GB	WH
Satin aluminum	Polished nickel	Gloss black	White

- Decorative mini glass pendant
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Pomo

Ordering code POM1 – ☐ – ☐ – ☐

Fixture
POM1
Pomo

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

System finish

AL	PN	GB	WH
Satin aluminum	Polished nickel	Gloss black	White

- Decorative mini glass pendant
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Suisun

Ordering code SUS1 – ☐ – ☐ – ☐

Fixture

SUS1
Suisun

System

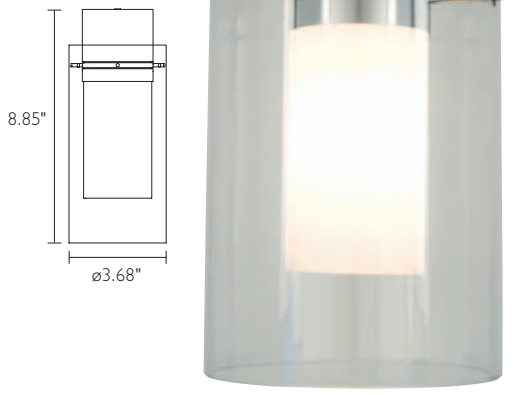
CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

System finish

AL	PN	GB	WH*
Satin aluminum	Polished nickel	Gloss black	White



- Decorative mini glass pendant
- Outer glass is clear and inner glass is polar white
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Wintu

Ordering code WTUI – ☐ – ☐ – ☐

Fixture

WTU1
Wintu

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

System finish

AL	PN	GB	WH*
Satin aluminum	Polished nickel	Gloss black	White

- Decorative mini glass pendant
- Outer glass is clear and inner glass is polar white
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- UL and CUL Listed

Basis Track – Micro Spot D – San Francisco, CA
Photographer: Glen Graves

Retro Glass

Ordering code REG1 – ☐ – ☐ – ☐ – ☐ – ☐

Fixture

REG1
Retro Glass cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

Diffuser color

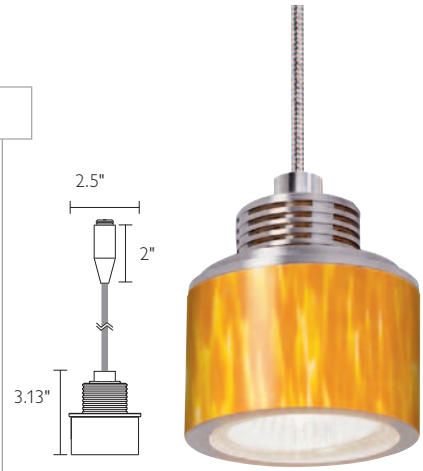
VR	SW	TG	PW
Mt. Vernon red	Sausalito white	Turner gold	Polar white

Lamping

Leave blank for standard MR-16 (not included)

Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze



- Decorative pendant accented with five layered hand-blown glass ring with white enamel inner casing
- Open fixture rated low voltage bi-pin or MR-16 lamp up to 50 watts (not included)
- Suspended by field adjustable cable

Ordering code REG2 – ☐ – ☐ – ☐ – ☐ – ☐

Fixture

REG2
Retro Glass stem suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	6" – 72"
5" Standard length	Specify length (in 6" increments)

Diffuser color

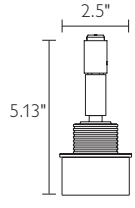
VR	SW	TG	PW
Mt. Vernon red	Sausalito white	Turner gold	Polar white

Lamping

Leave blank for standard MR-16 (not included)

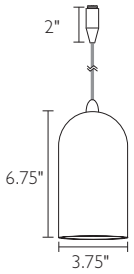
Metal finish

AL	PN	RB
Satin aluminum	Polished nickel	Rubbed bronze



- Adjustable fixture accented with five layered hand-blown glass ring with white enamel inner casing
- Continuous 360° rotation and 90° pivot at the socket
- Open fixture rated low voltage bi-pin or MR-16 lamp up to 50 watts (not included)

Mini Silo



- Five layered hand-blown glass pendant with white enamel inner casing
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- Matching canopy - mounted pendant on page 6.71

Ordering code **MSL1** – ☐ – ☐ – ☐ – ☐

Fixture

MSL1
Mini Silo cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST 72" Standard length

24" – 72" Specify length (in 12" increments)

Diffuser color

VR Mt. Vernon red

SW Sausalito white

TG Turner gold

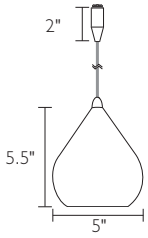
PW Polar white

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and NS only.

Mini Cereus



- Five layered hand-blown glass pendant with white enamel inner casing
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- Matching canopy - mounted pendant on page 6.63.

Ordering code **MCE1** – ☐ – ☐ – ☐ – ☐

Fixture

MCE1
Mini Cereus cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST 72" Standard length

24" – 72" Specify length (in 12" increments)

Diffuser color

VR Mt. Vernon red

SW Sausalito white

TG Turner gold

PW Polar white

Metal finish

AL	PN	RB	GB	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and NS only.

Mini Patrik

Ordering code MPK1 – ☐ – ☐ – ☐ – ☐

Fixture

MPK1
Mini Patrik cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

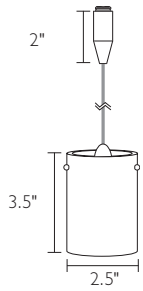
Diffuser color

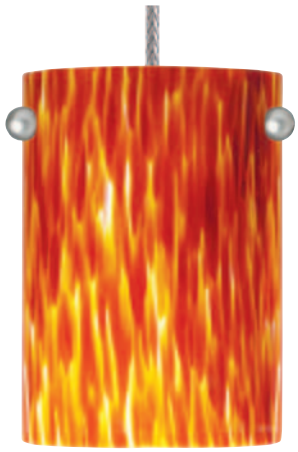
VR	SW	TG	PW
Mt. vernon red	Sausalito white	Turner gold	Polar white

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and NS only.





- Five layered hand-blown glass pendant
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Suspended by field adjustable cable
- Matching sconce on page 6.60
- Matching canopy - mounted pendant on page 6.68.

Pippa LED

Ordering code PPL1 – ☐ – ☐ – ☐ – ☐ – ☐

Fixture

PPL1
Pippa LED cable suspended

System

CA4	CA6	TR4	TR6	BTC	LT	NS
4" Cable	6" Cable	4" Twin Rail	6" Twin Rail	Basis ceiling	Liana	No system connector

Overall length

ST	12" – 72"
72" Standard length	Specify length (in 12" increments)

Diffuser color

VR	SW	TG	PW
Mt. Vernon red	Sausalito white	Turner gold	Polar white

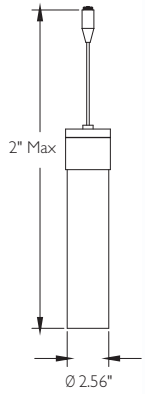
Lamping

LED Options	
N2-W One 2.4 watt LED 2700K	**N2-N** One 2.4 watt LED 3500K

Metal finish

AL	PN	RB	GB*	WH*
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

*Available for BTC and NS only.



- Five layered hand-blown glass pendant with white enamel inner casing
- One 2.4W LED in 2700K or 3500K color temperature
- LED driver integral to pendant housing
- Suspended by field adjustable braided cable
- Requires remote-mounted 12V magnetic transformer
- Matching sconce on page 6.58

Translite

Accessories, transformers, and technical specifications

Condition the lighting according to your requirements with Translite's complete selection of beam-shaping, glare-control and aiming accessories.

Accessory overview

Single accessory holder
Holds one accessory. Aluminum, Polished nickel, Rubbed bronze.

Double accessory holder
Holds two accessories. Aluminum, Polished nickel, Rubbed bronze.

Snoot
Decorative accessory for directing light. Aluminum, Polished nickel, Rubbed bronze.

Lens clip
Holds one accessory. Aluminum.

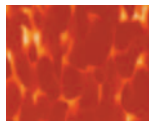
Shields
Shields to fit over the back of an MR16 lamp. Solid shields prevent back glare from the lamp. Perforated shades provide a spill pattern. Use with accessory holders 940 or 945.

Decorative accessory. Not compatible with other accessories. Must use with open fixture rated lamp.

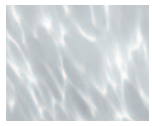
Glass accessory ring 0.8"
Aluminum, Polished nickel, Rubbed bronze.

Glass accessory ring 1.6"
Aluminum, Polished nickel, Rubbed bronze.

Diffuser colors



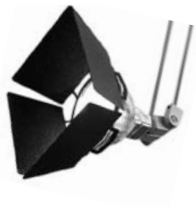
VR
Mt. Vernon red



SW
Sausalito white

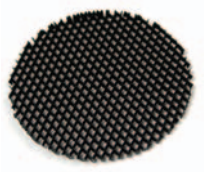
TG
Turner gold

PW
Polished white



Barn doors
Assembly attaches to MR16 lamp. Black.

Lenses & filters



Honeycomb louver
Louver. 1/8" thick.

Flashed opal lens
True white layer glass. 1/8" thick. Transmission: 35%.

Sandblasted lens
Diffusing lens.
1/8" thick.

Optivex™ UV filter
Museum quality UV blocking filter. Blocks transmission below 400nm. Retards photo chemical degradation. Allows the increase of light levels without the risk of damage to display objects.
1/8" thick.

Solite softening lens
High transmission softening lens.
1/8" thick.

Skytex linear filter
Directional spread beam elongator.
1/8" thick.

Clear and colored lenses
1/8" thick. Dichroic and colored lenses are also available.

Primary colors

CL
Clear

RD
Red

BL
Blue

GR
Green

Secondary colors

MM
Medium magenta

BG
Blue green

YL
Yellow green

AM
Medium amber

Mixing color filters
1/8" thick. Filters shown together mix to white.

SP
Surprise pink

LS
Light straw

SB
Steel blue

BA
Bastard amber

DA
Daylight color correction

LP
Light pink

Accessory ordering guide

	TSA-01 Closed fixture 1" aperture	TSA-02 Closed fixture 1.5" aperture	TSA-03 Open lamp MR16	TSA-04 Closed fixture 2" aperture	TSA-05 Closed fixture 3" aperture	TSA-06 Closed fixture 3.75" aperture
Accessory holders						
Single accessory holder (Add metal finish to part code: AL, PN, RB)	N/A	N/A	940-XX	N/A	N/A	N/A
Double Accessory Holder (Add metal finish to part code: AL, PN, RB, GB)	937-XX	939-XX	945-XX	941-XX	ET-DR-XX	N/A
Single lens clip	N/A	N/A	942	N/A	N/A	N/A
Accessories						
Snoot (Add metal finish to part code: AL, PN, RB, GB, WH)	N/A	N/A	987-XX	987-XX	N/A	N/A
Backshield (Add metal finish to part code: AL, PN, RB)	N/A	N/A	988-XX	N/A	N/A	N/A
Perforated backshield (Add metal finish to part code: AL, PN, RB)	N/A	N/A	989-XX	N/A	N/A	N/A
Honeycomb louver	995-1	995-1.5	995	995	995-R	995-26
Barn doors	N/A	N/A	984	N/A	N/A	N/A
Glass ring 0.8" (Color options: SW, VR, TG, PW)	N/A	N/A	N/A	GRA-0.8-XX	N/A	N/A
Glass ring 1.6" (Color options: SW, VR, TG, PW)	N/A	N/A	N/A	GRA-1.6-XX	N/A	N/A
Lens options						
Sandblasted lens	N/A	N/A	990	990	990-R	990-26
Solite softening lens	N/A	N/A	991	991	991-R	N/A
Skytex linear filter	N/A	N/A	992	992	992-R	N/A
Optivex UV filter	N/A	N/A	993	993	993-R	N/A
Flashed opal lens	N/A	N/A	994	994	994-R	N/A
Clear lens	996-1	996-1.5	996	996	996-R	996-26
Colored lens (Red)	N/A	N/A	996-RD	996-RD	996-R-RD	N/A
Colored lens (Green)	N/A	N/A	996-BL	996-BL	996-R-BL	N/A
Colored lens (Medium Amber)	N/A	N/A	996-AM	996-AM	996-R-AM	N/A
Colored lens (Yellow Green)	N/A	N/A	996-YL	996-YL	996-R-YL	N/A
Colored lens (Blue)	N/A	N/A	996-BL	996-BL	996-R-BL	N/A
Colored lens (Medium Magenta)	N/A	N/A	996-MM	996-MM	996-R-MM	N/A
Colored lens (Blue Green)	N/A	N/A	996-BG	996-BG	996-R-BG	N/A
Colored lens (Surprise Pink)	N/A	N/A	996-SP	996-SP	996-R-SP	N/A
Colored lens (Steel Blue)	N/A	N/A	996-SB	996-SB	996-R-SB	N/A
Colored lens (Daylight Color Correction)	N/A	N/A	996-DA	996-DA	996-R-DA	N/A
Colored lens (Light Straw)	N/A	N/A	996-LS	996-LS	996-R-LS	N/A
Colored lens (Bastard Amber)	N/A	N/A	996-BA	996-BA	996-R-BA	N/A
Colored lens (Light Pink)	N/A	N/A	996-LP	996-LP	996-R-LP	N/A

Transformers reference & technical

Premium quality, feature-rich transformers to fit

Selecting a transformer

All open conductor low voltage lighting systems require a transformer. A transformer reduces the input voltage of 120/277 volts to safe-to-touch 12 or 24 volts. The total wattage of a low voltage lighting system is determined by the output wattage of the transformer. For example, a 300 watt transformer can power up to six 50 watt heads (6 x 50 = 300). Transformers are available in a variety of types, sizes and mounting styles to meet your specification.

Magnetic vs. electronic transformers

Magnetic transformers are known for their reliability and ease of dimming. All Translite Systems magnetic transformers are supplied with a breaker in case of a short circuit. Electronic transformers are smaller and lighter than magnetic transformers and have the added advantage of an auto-reset feature in case of a short circuit. Electronic transformers auto-reset feature allows them to be reset from the wall switch.

Remote transformer selection

Remote mounting the transformer provides a clean minimalist look that will not detract from the beauty of the space. Also, remote mounting the transformer is the only way to guarantee a noise free installation. The transformer should be installed in an accessible remote location such as a closet. Once the transformer is installed, electrical wire is used to connect the transformer to a power feed canopy or power bolts. Using the correct gauge wire to connect the transformer to the track is essential for providing the desired voltage at the fixture. The wire gauge used to supply power to the track should be sized according to the distance between the transformer and the track. (See Voltage drop chart, below.)

Decorative surface mount transformer selection

Decorative surface mount transformers are the perfect solution for remodel applications or when there is not an accessible location to remote mount a transformer. Surface mount transformers mount to a junction box in the wall or ceiling and should be located either directly under the track or within a few feet of the track. The power feed connector for the track system is supplied with the surface mount transformer.

Dimming

Dimming a low voltage transformer may cause voltage drop even when the dimmer is set at full output. Lower voltage from the transformer results in less light output from the fixtures. Most Translite Systems magnetic transformers are supplied with a secondary tap to compensate for possible voltage drop when using a dimmer. Use a magnetic low voltage dimmer for magnetic transformers and an electronic low voltage dimmer for electronic transformers.

Voltage drop chart 5-30 feet			**D**	**%**	**D**	**%**	**D**	**%**	**D**	**%**	**D**	**%**	**D**	**%**
D = Distance			Volts	Light	Volts	Light	Volts	Light	Volts	Light	Volts	Light	Volts	Light
% = Light output		AWG	5'	output	10'	output	15'	output	20'	output	25'	output	30'	output
No dimmer	TAP #1	#10	12.0	100%	11.7	92%	11.5	85%	11.2	78%	11.0	72%	10.7	66%
No dimmer	TAP #1	#8	12.1	103%	11.9	98%	11.8	94%	11.6	89%	11.5	85%	11.3	81%
No dimmer	TAP #2	#10	12.5	116%	12.3	108%	12.0	100%	11.7	92%	11.5	85%	11.2	79%
No dimmer	TAP #2	#8	12.6	120%	12.5	115%	12.3	110%	12.2	105%	12.0	100%	11.8	95%
With dimmer	TAP #2	#10	12.0	100%	11.7	92%	11.5	85%	11.2	78%	11.0	72%	10w.7	66%
With dimmer	TAP #2	#8	12.1	103%	11.9	98%	11.8	94%	11.6	89%	11.5	85%	11.3	81%

Voltage drop chart 35-60 feet			**D**	**%**	**D**	**%**	**D**	**%**	**D**	**%**	**D**	**%**	**D**	**%**
D = Distance			Volts	Light	Volts	Light	Volts	Light	Volts	Light	Volts	Light	Volts	Light
% = Light output		AWG	35'	output	40'	output	45'	output	50'	output	55'	output	60'	output
No dimmer	TAP #1	#10	10.4	60%	10.2	55%	9.9	50%	9.7	46%	9.4	41%	9.1	37%
No dimmer	TAP #1	#8	11.2	77%	11.0	73%	10.8	69%	10.7	66%	10.5	62%	10.4	59%
No dimmer	TAP #2	#10	11.0	72%	10.7	66%	10.4	61%	10.2	55%	9.9	50%	9.7	46%
No dimmer	TAP #2	#8	11.7	91%	11.5	86%	11.4	82%	11.2	78%	11.1	74%	10.9	71%
With dimmer	TAP #2	#10	10.4	60%	10.2	55%	9.9	50%	9.7	46%	9.4	41%	9.1	37%
With dimmer	TAP #2	#8	11.2	77%	11.0	73%	10.8	69%	10.7	66%	10.5	62%	10.4	59%

All of our transformers comply with guidelines established by the National Electrical Code, with a maximum wattage on a 12 volt system at 300 watts per feed and maximum wattage on a 24 volt system at 600 watts per feed. Voltages are approximate and variations will occur depending upon the load, primary input voltage, and resistance of the system's component parts. Not applicable for AC electronic transformers. Number of Lamps x Lamp Wattage = Total Wattage (300W maximum per 25A breaker)

Remote transformers

50, 100, 150, 300 or 600 watt remote mount magnetic transformer (TSQ50, TSQ100, TSQ150, TSQ300, TSQ600)

- Single 120v input with single 50 watt (TSQ50), single 100 watt (TSQ100), single 150 watt (TSQ150), single 300 watt (TSQ300), or dual 300 watt (TSQ600) low voltage 12v output
- Remote mount transformer must be installed in any vertical or horizontal orientation in an accessible area
- May be fully loaded for designated wattage
- Manufactured by Q-Tran specifically for low voltage lighting systems
- Dual primary taps are provided to compensate for voltage drop occurring from dimming or long wire leads from remote location. Refer to voltage drop chart for wiring information on page 2.131.
- Compatible with low voltage magnetic dimmers
- Choke or (debuzzing coil) is provided for quiet operation
- A primary auto-reset thermal circuit breaker protects the transformer from overloads
- Fast acting circuit breaker on each secondary output provides protection against short circuit (15 amp for TSQ150; 25 amp for TSQ300/600)

Note: Consult factory for 24 volt options.

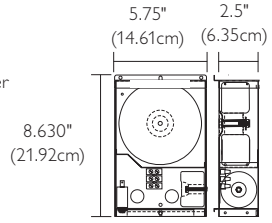
Ordering code **TSQ** [ ] – [ ]

Wattage (Code)

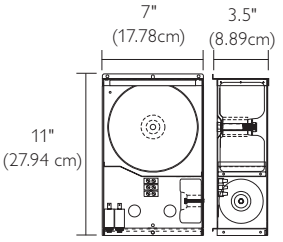
50	100	150	300	600 (2x300)

Option

A 277v



TSQ150 / TSQ300



TSQ600

Dual input / dual output 600 watt remote mount magnetic transformer (TSQ2X300)

- Dual 120v inputs with dual 300 watt low voltage 12v outputs
- Remote mount transformer must be installed in any vertical or horizontal orientation in an accessible area
- May be fully loaded for 300 watts per circuit
- Manufactured by Q-Tran specifically for low voltage lighting systems
- Dual primary taps are provided to compensate for voltage drop occurring from dimming or long wire leads from remote location. Refer to voltage drop chart for wiring information on page 2.131.
- Compatible with low voltage magnetic dimmers
- Choke or (debuzzing coil) is provided for quiet operation
- A primary auto-reset thermal circuit breaker protects the transformer from overloads
- Fast acting 25 amp circuit breaker on each secondary output provides protection against short circuit

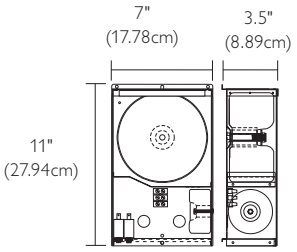
Note: Consult factory for 24 volt options.

Ordering code **TSQ2X300** – [ ]

Code

Option

A 277v



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300 watt remote or surface mount magnetic transformer (PS6)

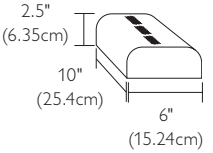
- Single 120v input with single 300 watt low voltage 12v output
- Transformer may be installed in any orientation in an accessible area
- May be fully loaded for 300 watts
- Single primary tap design. Refer to voltage drop chart for wiring information on page 2.131.
- Compatible with low voltage magnetic dimmers
- Choke or (debuzzing coil) is provided for quiet operation
- Fast acting 25 amp circuit breaker on secondary output provides protection against short circuit

Ordering code **PS6** – [ ] – **BR**

Code

Metal finish

AL	PN	BK	WH
Satin aluminum	Polished nickel	Black	White



Remote transformers

Ordering code TST [ ]

Code

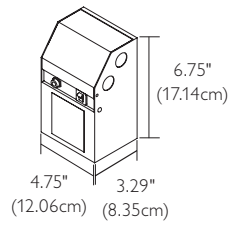
Wattage

300 **600** (2×300)

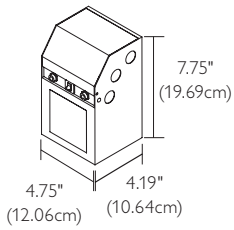
300 or 600 watt remote mount magnetic transformer (TST300, TST600)

- Single 120v input with single 300 watt (TST300) or dual 300 watt (TST600) low voltage 12v outputs
- Remote mount transformer may be installed in any orientation in an accessible area
- May be fully loaded to designated wattage
- Dual primary taps are provided to compensate for voltage drop occurring from dimming or long wire leads from remote location. Refer to voltage drop chart for wiring information on page 2.131.
- Compatible with low voltage magnetic dimmers
- Fast acting circuit breaker on secondary output provides protection against short circuit

TST300



TST600



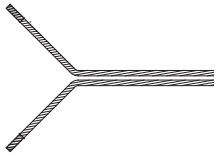
Ordering code 502 – [ ]

Code

PVC jacket

BK
Black

Power feed cable (502)
Power feed cable is a stranded copper dual conductor, insulated with a PVC jacket. Delivers 12v power from transformer to the track. Not for use in conduit or in any inaccessible space. Not plenum rated. Cable is 10 AWG.



Ordering code 503

Code

Teflon™ coated power cable (503)
Teflon coated power cable is a stranded copper, single conductor, insulated with Teflon. Not suitable for use in a plenum. Local codes may differ. Delivers 12v power from transformer to track. Cable is 8 AWG.

Standard track heads

Contents

Lytespan low voltage Miniforms > 2.136
Lytespan low voltage Dramalux > 2.136
Lytespan low voltage Geostar > 2.137
Lytespan low voltage Traditional > 2.137
Lytespan Par-Tech > 2.138
Lytespan Hinged Par-Tech > 2.140
Lytespan line voltage Lasso > 2.142
Lytespan line voltage Dramalux > 2.143
Lytespan line voltage Traditionals > 2.144

Miniforms

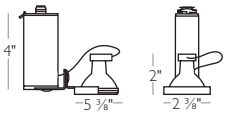
Lytespan low voltage

Miniforms combine miniature size and miniature transformer design for a clean approach to accent lighting. The compact, contemporary forms incorporate a vertical electronic transformer for stylish, yet economical, accent lighting.

Features

- Efficient and reliable electronic transformer provides silent dimming with Philips Lightolier "QE" dimmers.
- Compatible with Philips Lightolier "VA" dimmers if derated 50%.
- Painted finishes include: matte white, matte black and metallic aluminum (some models).

MR16 Shallow ring

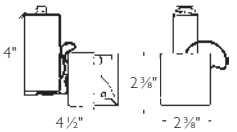


Shallow ring

Cat. no.	Description
9175NWH	Matte white
9175NBK	Matte black

Lamping: MR16 Bi-Pin 75W max.

MR16 Mini cylinder



Mini cylinder

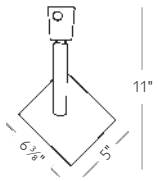
Cat. no.	Description
9173BWH	Matte white
9173BBK	Matte black
9173BAL	Aluminum

Lamping: MR16 Bi-Pin 50W max.

Dramalux

Lytespan low voltage

PAR36 Dramalux



PAR36 lamps can be either halogen or conventional incandescent. A larger reflector, lens and filament shield produce a precise and smooth beam without glare.

Prevue

Cat. no.	Description
7637	Matte white
7638	Matte black

Lamping: PAR36 5.5v 25W max.
PAR36 12v 50W max.

Accessories: Accepts two accessories.

Diffusion/special filters: AF4 series.

Color filters: ADF4 series.

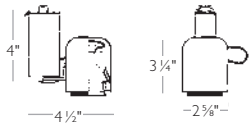
Louver: AL4 series.

Geostar

Lytespan low voltage

MR16 Bi-Pin lamps are small, reflectorized halogen sources with a bi-pin base. Most have a dichroic reflector which allows heat to escape through the back to significantly reduce the warmth of the light beam.

MR16 Geostar vertical

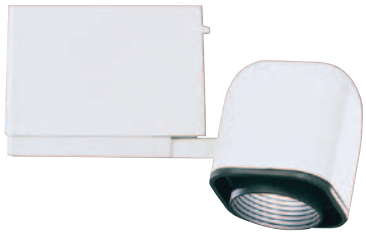


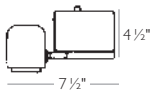
Electronic

Cat. no.	Description
6255WH	Matte white
6255BK	Matte black

Lamping: MR16 Bi-Pin 37W max.
Accessories: Accepts one accessory.
Framing projector: 6497.
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.

MR16 Geostar





Magnetic

Cat. no.	Description
8172WH	Matte white
8172BK	Matte black

Lamping: MR16 Bi-Pin 50W max.
Accessories: Accepts one accessory.
Framing projector: 6497
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.

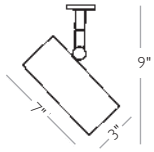
Noise and low voltage fixtures

There is some noise produced by magnetic low voltage fixtures, especially when dimmed. This noise can be audible depending on the level of background noise and the absorbency of surrounding surfaces. We do not recommend the use of dimmed magnetic low voltage fixtures in very quiet environments such as private homes and galleries.

Traditional

Lytespan low voltage

Traditional MR16 Cylinder



Magnetic

Cat. no.	Description
6411	Matte white
6410	Matte black

Lamping: MR16 Bi-Pin 50W max.
Accessories: Accepts one accessory.
Diffusion/special filters: AF2 series.
Color filters: ADF2 series.
Louver: 7472 (Hex Cell).

Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

Par-Tech

Lytespan line voltage

Lytespan's Par-Tech delivers high impact lighting by combining compact halogen light sources with a versatile and adaptable line of fixtures. Designed specifically for the PAR16, PAR20, PAR30, and PAR38 lamps, their crisp, white light creates the dramatic effects of low voltage lighting without the need for transformers. The complete Par-Tech offering includes two unique adapters, twist-on shades, and accessories.

Low Profile

The compact, sculptural style of Low Profile Par-Tech is perfect for tight spaces such as troughs or other architectural enclosures. Par-Tech fixtures are ruggedly constructed of die-cast aluminum and vented for cool operation. Accessory holder is required when accessories such as spread lenses, color filters or louvers are being used.

For Accessories see page 2.8.

Adjustable low profile adapter

8201AWH PAR16, 75W max.
8201ABK PAR20, 50W max.
PAR30, 75W max.
PAR38, 150W max.

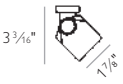
56265 floor pole

1" diameter floor pole is 8-feet long and made of lightweight, non-conductive fiberglass.

(For use with 8201A Adapters only.)

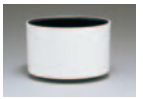
Low profile adapter

8201WH R20, 75W max.
8201BK R30, 100W max.
PAR16, 75W max.
PAR20, 50W max
PAR30, 75W max
PAR38, 75W max.

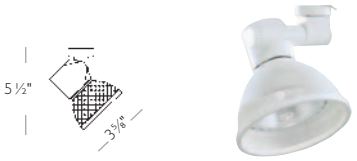


Par-Tech shades

Catalog #	Finish (Add Suffix)	Name	Size
8216			Par 16
8226	**WH, BK**	Par-Tech cylinder shade	Par 20
8236			Par 30
8215			Par 16
8225	**WH, BK**	Par-Tech cone shade	Par 20
8235			Par 30
8217	Sylvania PAR16 only		Par 16
8227	**WH, BK**	Par-Tech bezel shade	Par 20
8237			Par 30
8247			Par 38
8228			Par 20
8238	**WH, BK**	Par-Tech ring shade	Par 30
8248			Par 38
8229	**WH, BK**	Par-Tech mesh shade	Par 20
8239			Par 30

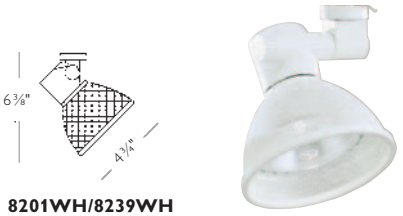


PAR20 mesh shade



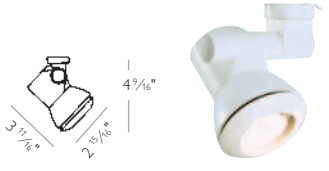
8201WH/8229WH
8201BK/8229BK
PAR20 50W max.

PAR30 mesh shade



8201WH/8239WH
8201BK/8239BK
PAR30 75W max.

PAR 16 bezel shade



8201WH/8217WH
8201BK/8217BK
PAR16 60W max.

Accessory holder: 8591

Accessories: One AF2 or ADF2 series.

Note: Not for use with AL2HC.

Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

Par-Tech

Lytespan line voltage

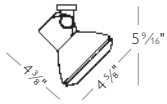
PAR20 Bezel shade

8201WH/8227WH
8201BK/8227BK
PAR20 50W max.

Accessory holder: 8592

Accessories: One AF25 diffusion, ADF25 color filters or AL25 series.

PAR30 Bezel shade

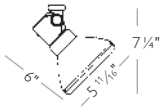


8201WH/8237WH
8201BK/8237BK
PAR30 75W max.

Accessory holder: 8593

Accessories: One AF3 diffusion, ADF3 color filters or AL3 series.

PAR38 Bezel shade

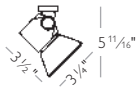


8201WH/8247WH
8201BK/8247BK
PAR38 150W max.

Accessory holder: 8595

Accessories: Two AF4, ADF4 or AL4 series.

PAR16 Cone shade



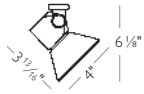
8201WH/8215WH
8201BK/8215BK
PAR16 75W max.

Accessory holder: 8581

Accessories: Two AF2, ADF2 or AL2 series. (60W max. w/accessories)

Note: Not for use with AL2HC.

PAR20 Cone shade



8201WH/8225WH
8201BK/8225BK
PAR20 50W max.

Accessory holder: 8582

Accessories: Two AF25, ADF25 or AL25 series.

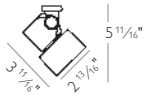
PAR30 Cone shade

8201WH/8235WH
8201BK/8235BK
PAR30 75W max.

Accessory holder: 8583

Accessories: Two AF3, ADF3 or AL3 series.

PAR16 Cylinder shade



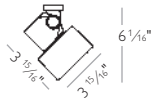
8201WH/8216WH
8201BK/8216BK
PAR16 75W max.

Accessory holder: 8581

Accessories: Two AF2, ADF2 or AL2 series. (60W max. w/accessories)

Note: Not for use with AL2HC.

PAR20 Cylinder shade

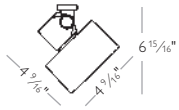


8201WH/8226WH
8201BK/8226BK
PAR20 50W max.

Accessory holder: 8582

Accessories: Two AF25, ADF25 or AL25 series.

PAR30 Cylinder shade

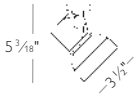


8201WH/8236WH
8201BK/8236BK
PAR30 75W max.

Accessory holder: 8583

Accessories: Two AF3, ADF3 or AL3 series.

PAR20 Ring shade

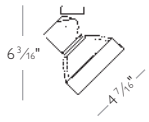


8201WH/8228WH
8201BK/8228BK
PAR20 50W max.

Accessory holder: 8582

Accessories: Two AF25, ADF25 or AL25 series.

PAR30 Ring shade

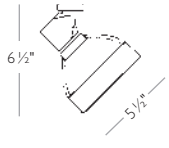


8201WH/8238WH
8201BK/8238BK
PAR30 75W max.

Accessory holder: 8583

Accessories: Two AF3, ADF3 or AL3 series.

PAR38 Ring shade



8201WH/8248WH
8201BK/8248BK
PAR38 150W max.

Accessory holder: 8595

Accessories: Two AF4, ADF4 or AL4 series.

Note: Par-Tech Lytespots for use with short neck PAR lamps only. For accessories see page 2.8.

Hinged Par-Tech

Lytespan line voltage

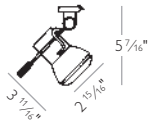
Features a modular adapter that can stand alone or be used with a bezel, cone or cylindrical shade available in three sizes. A hinged, chrome-plated steel lever cradles the lamp holder and permits adjustment up to 90° from vertical. Die-cast aluminum shades with bayonet mount attach with simple twist-action. Shades hug the lamp profile and may be used with hex cell louver, beam elongator and beam smoother; barn doors for PAR16, 20, or 30 bezel only.

For Accessories see page 2.8.

Hinged adapter

8202WH
8202BK
R20, 75W max.
R30, 100W max.
PAR16, 75W max.
PAR20, 50W max.
PAR30, 75W max.
PAR38, 75W max.

PAR16 Bezel shade



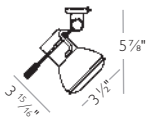
8202WH/8217WH
8202BK/8217BK
PAR16 60W max.

Accessory holder: 8591

Accessories: One AF2 diffusion, ADF2 color filter series.

Note: Not for use with AL2HC.

PAR20 Bezel shade

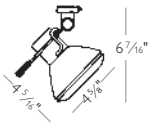


8202WH/8227WH
8202BK/8227BK
PAR20, 50W max.

Accessory holder: 8592

Accessories: One AF25 diffusion, ADF25 color filters, AL25 series., 8542BK

PAR30 Bezel shade

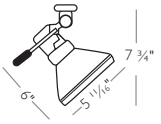


8202WH/8237WH
8202BK/8237BK
PAR30, 75W max.

Accessory holder: 8593

Accessories: One AF3, ADF3 or AL3 series., 8543BK

PAR38 Bezel shade

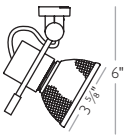


8202WH/8247WH
PAR38 150W max.

Accessory holder: 8595

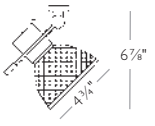
Accessories: Two AF4, ADF4 or AL4 series.

PAR20 Mesh shade



8202WH/8229WH
8202BK/8229BK
PAR20 50W max.

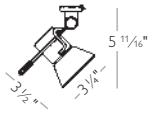
PAR30 Mesh shade



8202WH/8239WH
8202BK/8239BK
PAR30 75W max.

Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

PAR16 Cone shade



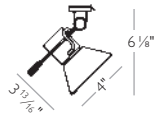
8202WH/8215WH
8202BK/8215BK
PAR16 75W max.

Accessory holder: 8581

Accessories: Two AF2 or ADF2 series. (60W max. w/accessories)

Note: Not for use with AL2HC.

PAR20 Cone shade

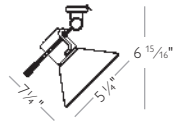


8202WH/8225WH
8202BK/8225BK
PAR20 50W max.

Accessory holder: 8582

Accessories: Two AF25 diffusion, ADF25 or AL25 series.

PAR30 Cone shade

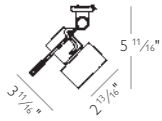


8202WH/8235WH
8202BK/8235BK
PAR30 75W max.

Accessory holder: 8583

Accessories: Two AF3 Diffusion, ADF3 or AL3 series.

PAR16 Cylinder shade



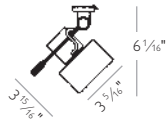
8202WH/8216WH
8202BK/8216BK
PAR16 75W max.

Accessory holder: 8581

Accessories: Two AF2 or ADF2 series. (60W max. w/accessories)

Note: Not for use with AL2HC

PAR20 Cylinder shade

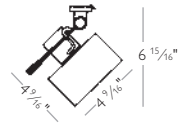


8202WH/8226WH
8202BK/8226BK
PAR20 50W max.

Accessory holder: 8582

Accessories: Two AF25 diffusion, ADF25 or AL25 series.

PAR30 Cylinder shade

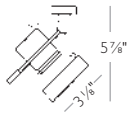


8202WH/8236WH
8202BK/8236BK
PAR30 75W max.

Accessory holder: 8583

Accessories: Two AF3 diffusion, ADF3 or AL3 series.

PAR20 Ring shade

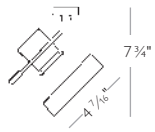


8202WH/8228WH
8202BK/8228BK
PAR20, 50W max.

Accessory holder: 8582

Accessories: Two AF25 diffusion, ADF25 or AL25 series.

PAR30 Ring shade

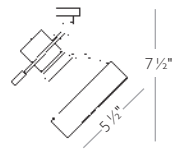


8202WH/8238WH
8202BK/8238BK
PAR30 75W max.

Accessory holder: 8583

Accessories: Two AF3 diffusion, ADF3 or AL3 series.

PAR38 Ring shade



8202WH/8248WH
8202BK/8248BK
PAR38 150W max.

Accessory holder: 8595

Accessories: Two AF4, ADF4 series. (All)

Lasso

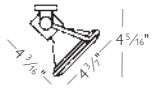
Lytespan line voltage

A striking combination of miniature size, halogen light and elegant style. This unique Lytespot is formed from sturdy chrome-plated steel and joined to an adjustable die-cast aluminum adapter. Provides crisp, white halogen light with a choice of PAR20, PAR30, or PAR38 lamps. Produces the distinctive white light of low voltage without the need for transformers. The lamp fits snugly into a resilient silicone collar that traps spill light. Accessories include hex cell louver, spread lens, beam smoother, barn doors and color filters.

Lasso 20

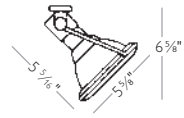
8257WH Matte white
8257BK Matte black
PAR20 50W max.
Accessory holder: 8592
Accessories: One AF25 diffusion, ADF25 or AL25 series., 8542BK

Lasso 30



8258WH Matte white
8258BK Matte black
PAR30 75W max.
Accessory holder: 8593
Accessories: One AF3 diffusion, ADF3 or AL3 series. 8543BK

Lasso 38

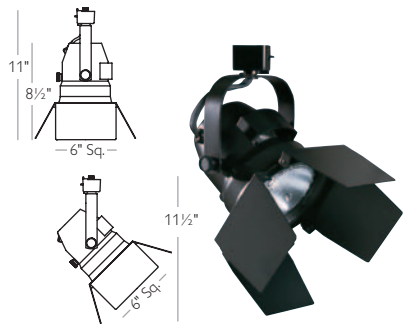


8259WH Matte white
8259BK Matte black
PAR38 150W max.
(90W max. w/accessory)
Accessory holder: 8594
Accessories: AF4 or ADF4 series. (All), 8544BK

Theatrical Lytespots

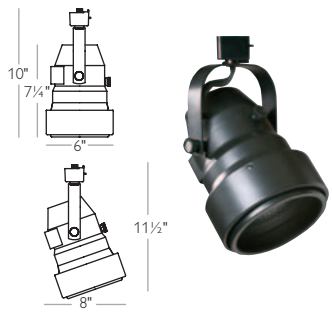
Influenced by the aesthetics of stage lighting, Theatrical Lytespots combine dramatic style with affordability. Line voltage styles are designed around the proportions of the PAR30 lamp but can use a PAR38 lamp as well. An external accessory holder is not required for these Lytespots making them an extraordinary value. One unit has an integral barn door and the other unit features an integral accessory cartridge that can accommodate up to 2 accessories -simultaneously. For accessories see pages 2.8.

Theatrical Lytespot with integral barn door



8270WH Matte white
8270BK Matte black
PAR30 75W Max.
PAR38 150W Max.

Theatrical Lytespot with integral accessory cartridge



8269WH Matte white
8269BK Matte black
PAR30 75W Max.
PAR38 150W Max.
Accessories: Two AF4, ADF4 or AL4 Series

Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

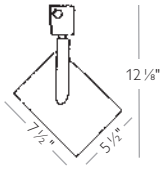
Dramalux

Lytespan line voltage

When it comes to lighting galleries, museums, institutions and large retail interiors, Dramalux offers the perfect blend of performance, flexibility and durability. Each fixture can produce a wide range of lighting effects thanks to integral spring clips that support accessories such as color filters, spread lenses, louvers and barn doors. Easy "back door" access permits lamp changes without disturbing the accessories. The Dramalux wall washer, creates special light distributions in housings that are coordinated with the core, Line voltage Dramalux Lytespots. The Dramalux family of products can solve the most demanding lighting problems while maintaining a consistent aesthetic.

For accessories see pages 2.8.

Dramalux PAR38



7631 Matte white

7630 Matte black

PAR38 250W max.

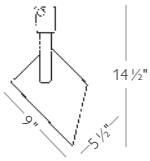
PAR38 Cool Beam 150W max.

Accessories: Two AL4, ADF4 or AF4 series. (All), 7650

(150W max. w/accessories)

Dramalux wall washer

For uniform vertical surface illumination. At 30° from vertical, it illuminates to ceiling line with no scalloping. Features embossed aluminum reflector and spread lens.



7531 Matte white

PAR38/3FL 150W max.

Traditionals

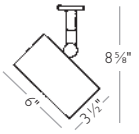
Lytespan line voltage

For style, quality and value, nothing outperforms Philips Lightolier's Traditional series. These popular Lytespots come in a variety of shapes and sizes and feature crisply defined contours, concealed fasteners and dressed and concealed wiring. The Traditional series provides maximum value at reasonable cost.

Economical spotlights that provide a strong punch of accent light. Feature a compression molded, matte black step baffle to minimize glare. Lamp is regressed to provide shielding. For accessories see pages 2.8.

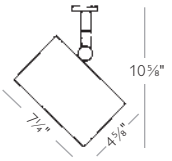
Basic cylinder

PAR20



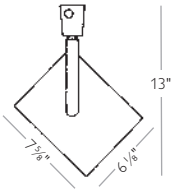
6357 Matte white
6355 Matte black
R20 75W max.
PAR20 50W max.
PAR16 75W max.

PAR30



6352 Matte white
6350 Matte black
PAR30 75W max.

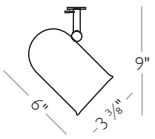
PAR38



6353 Matte white
6351 Matte black
PAR38 250W max.

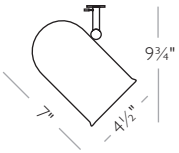
Roundback

PAR20



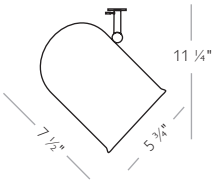
9120WH Matte white
9120BK Matte black
A19, R20, PAR16 75W max.
PAR20 50W max.

PAR30



9530WH Matte white
9530BK Matte black
A19 100W max.
PAR16, PAR30 75W max.

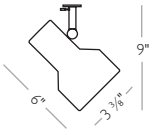
PAR38



9538WH Matte white
9538BK Matte black
PAR38 150W max.

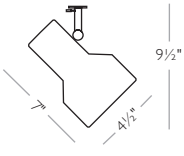
Step cylinder

PAR20



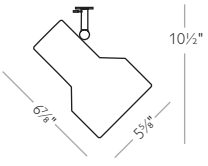
9220WH Matte white
9220BK Matte black
A19, R20, PAR16 75W max. PAR20 50W max.

PAR30



9630WH Matte white
9630BK Matte black
A19, PAR16, PAR30 75W max.

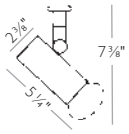
PAR38



9638WH Matte white
9638BK Matte black
PAR38 150W max.

| Symbol indicates compatibility with extension wands, sloped ceiling adapter and clamp-on monopoint.

Universal housing



Versatile housing with a sliding socket can accommodate a variety of lamps.

6320 Matte white

6322 Matte black

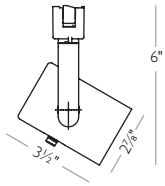
PAR16 75W max.

All R20, PAR38, ER30 and R40

Screw base lamps from 30W to 300W.

All R20, PAR20, PAR30, PAR38 and R40.

Mini universal

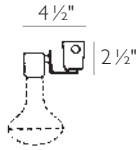


9021WH Matte white

9021BK Matte black

PAR16, R20, PAR20, PAR30 and PAR38 from 30W to 250W.

Mini swivel



7610 Matte white

PAR16 75W max.

R20 75W max.

PAR20 50W max.

PAR30 75W max.

PAR38 250W max.

Basic PAR30 ring

Economical PAR30 ring. front relamping.

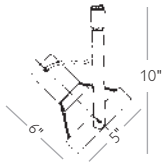
9023WH Matte white

9023BK Matte black

9023AL Matte aluminum

PAR30 75W max.

Basic PAR38 ring



Economical PAR38 ring. front relamping.

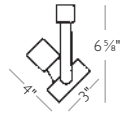
9022WH Matte white

9022BK Matte black

9022AL Matte aluminum

PAR38 250W max.

PAR20 ring

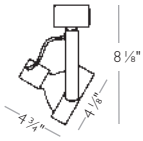


6278WH Matte white

6278BK Matte black

PAR20 50W max.

PAR30 Ring



Two-piece lamp ring minimizes stray light from edge of lamp.

6282 Matte white

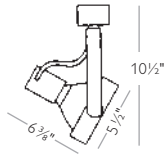
6283 Matte black

PAR30 75W max.

56457 Set of 3

Accessory clips. For use with 6282 and 6283, accepts louver AL3HC only.

PAR38 Ring



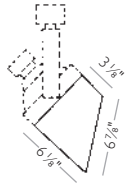
6284 Matte white

6285 Matte black

PAR38 250W max.

Accessories: AF4, ADF4, or AL4 series., 7650 (150W max. w/accessories)

Wall washer accessory



Integral clips allow a variety of accessories, including Wall washer with built-in reflector and spread lens.

6487 Matte white

6488 Matte black

For use on 6284, 6285.

Standard track options

Contents

Radius, Basic and Advent track > 2.148
Suspension beam > 2.156
Recessed track > 2.157
PowerTrip > 2.162
Accessories > 2.164
ProSpec surface mount track > 2.166

Radius, Basic, Advent

Radius, Basic and Advent

Lytespan line voltage

Basic one-circuit track and Advent two-circuit track offer an incredibly flexible system built around three separate track options – Individual, Joiner and Plain – so you can choose exactly what is required for the job. Their "H" beam construction provides maximum rigidity whether surface, pendant or recessed mounted. Our U-shaped conductor also provides superior surface contact with the fixture and power feed connectors.

Lytespan's Suspension Beam housings enclose Basic and Advent track sections and provide a sturdy profile whether suspended on stems or cables.

Radius track, a sleek and streamlined look that blends easily into any ceiling. And like all Lytespan track, it can accompany any Philips Lightolier Lytespot ever built.

Philips Lightolier's three-year warranty assures that each and every Lytespan track product meets your tough standards. It's what you would expect from Philips Lightolier – the company that pioneered track lighting.

Radius

Width 1 3/8"
Height 1/2"
page2.150

Basic

Width 1 5/32"
Height 3/4"
page 2.115

Advent

Width 1 5/32"
Height 1 3/32"
page 2.115

Radius

Lytespan - Track

Radius is sleek and streamlined, with a soft, rounded style that blends easily into any decor. Its slim and compact dimensions allow it to virtually disappear into the space. Economical, versatile and elegant, Radius truly sets a new standard in track. Radius is a single circuit track with a capacity of 20 amps at 120V per branch circuit. It can be either surface or stem mounted and used in continuous runs or patterns. Radius can also be field cut. For more detailed information see application guide, page 2.158.

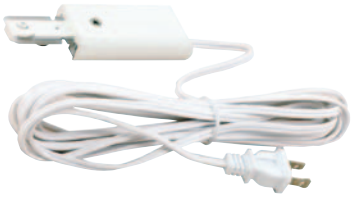
Plain track

Includes one dead end cover and hardware.

2-foot
9102WH Matte white
9102BK Matte black
4-foot
9104WH Matte white
9104BK Matte black
9104RA Raw aluminum

6-foot
9106WH Matte white
9106BK Matte black
8-foot
9108WH Matte white
9108BK Matte black
9108RA Raw aluminum
Width: 1 3/8"
Height: 1/2"

Cord & plug



Includes 15' 2-conductor cord and plug set with in-line switch. Capacity, 6 amps at 120V. Not U.L. Listed.

9162WH Matte white
9162BK Matte black

Live end power feed

Electrifies track from beginning of run

9148WH Matte white
9148BK Matte black

Surface feed connector

For feeding power from surface conduit with 1/2 – 14 IPS connector (by others).

Live end included.

9147WH Matte white
9147BK Matte black

Saddle canopy kit

Includes one dead end cover.

Mounts to any point along track for power feed from 3" or 4" octagonal outlet box.

9163WH Matte white
9163BK Matte black

Live end canopy

Includes live end. Junction box feed.

9160WH Matte white
9160BK Matte black

T-bar canopy

Includes live end. Suspended ceiling feed.

9196WH Matte white
9196BK Matte black

Replacement dead end cover

56430WH Matte white
56430BK Matte black

Mini-coupler

Invisible spline for joining two track sections. Not a power feed point.

9149WH Matte white
9149BK Matte black

Combination "I" / in-line connector

*Includes both straight & 90° cover

*Flush non-feed
9150WH Matte white
9150BK Matte black

*Feed
9155WH Matte white
9155BK Matte black

"T" Feed connector

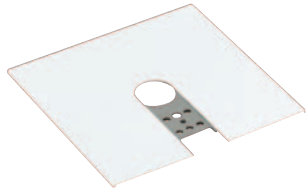
9151WH Matte white
9151BK Matte black

Variable angle connector

Adjusts 90° in both directions.
Not a power feed point.

9153WH Matte white
9153BK Matte black

Outlet box cover



For use with Feed L/In-Line Connector 9155, 9150 and "T" 9151. Mounts directly on connector.

9060WH Matte white
9060BK Matte black

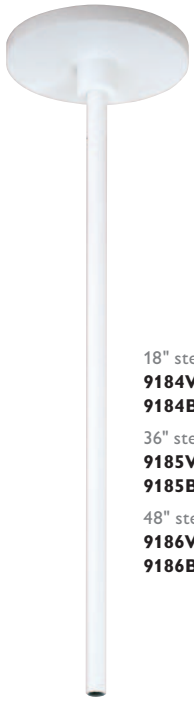
Stem wire cover

For use with stem mounting kits. Covers wiring from stem to power feed connector.

9187WH Matte white
9187BK Matte black

12 1/4" Long and 1 1/8" Wide

Stem mounting kits



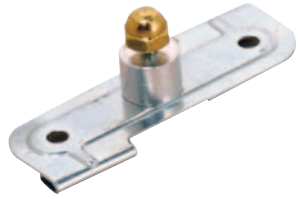
18" stem kit
9184WH Matte white
9184BK Matte black

36" stem kit
9185WH Matte white
9185BK Matte black

48" stem kit
9186WH Matte white
9186BK Matte black

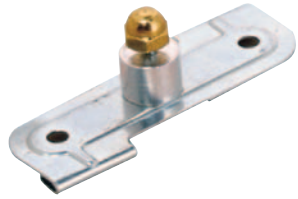
Note:
1) Stems for Radius track cannot be field cut.
2) Stems cannot be mounted directly to track connectors.

T-bar mounting clips for square-edge ceiling panels



(set of 9)
9189
9189WH Matte white

T-bar mounting clips for regressed-edge ceiling panels



(set of 9)
9188
9188WH Matte white

Lytespan - Track

Basic one-circuit track

Basic Lytespan track can be mounted in a variety of surface or stem patterns, installed vertically or horizontally on walls, and be cut in the field. Basic track can also be used with suspension beam or recessed housings. Capacity is 20 amps at 120V per branch circuit. For straight runs, order one 2-foot, 4-foot or 8-foot Individual Track section and as many 8-foot Joiner sections as required including each straight run of track between intercepts. For added convenience and economy, plain track can be used in place of individual track in applications not requiring a live-end, such as for patterns.

Advent one or two-circuit track

Advent can be mounted in a variety of surface or stem patterns, installed vertically or horizontally on walls, and be cut in the field. Advent can also be used with Suspension Beam or Recessed Housings. Total track capacity is 40 amps when supplied by a 120/240V three-wire branch circuit. A choice of power feeds is available, all of which allow a variety of configurations powered at any point. For straight runs, order one 4-foot or 8-foot Individual Track section plus as many 8-foot Joiner Track sections as required including each straight run of track between intercepts. For added convenience and economy, Plain Track can be used in place of Individual Track in applications not requiring a live end such as with patterns.

Note: Philips Lightolier does not recommend dimming of circuits with shared neutrals.

For more detailed information see application guide, page 2.3.

Basic - individual track

Includes live end, dead end cover and hardware.

2-foot

6000NWH	Matte white
6000NBK	Matte black
6000NAL	Matte aluminum

4-foot

6001NWH	Matte white
6001NBK	Matte black
6001NAL	Matte aluminum

8-foot

6002NWH	Matte white
6002NBK	Matte black
6002NAL	Matte aluminum

Width 1 5/32"

Height 3/4"

Basic - plain track

Includes dead end cover and hardware.

45 1/4 inches

6004NWH	Matte white
6004NBK	Matte black
6004NAL	Matte aluminum

93 1/4 inches

6008NWH	Matte white
6008NBK	Matte black
6008NAL	Matte aluminum

141 1/4 inches

6012NWH	Matte white
6012NBK	Matte black

Basic - joiner track

Includes concealed mini-coupler and hardware.

8-foot

6003NWH	Matte white
6003NBK	Matte black
6003NAL	Matte aluminum

Advent - individual track

Includes live end, dead end cover and hardware.

4-foot

6101NWH	Matte white
6101NBK	Matte black
6101NAL	Matte aluminum

8-foot

6102NWH	Matte white
6102NBK	Matte black
6102NAL	Matte aluminum

Width 1 5/32"

Height 1 3/32"

Advent - plain track

Includes dead end cover and hardware.

43 1/2 inches

6104NWH	Matte white
6104NBK	Matte black

91 1/2 inches

6108NWH	Matte white
6108NBK	Matte black
6108NAL	Matte aluminum

139 1/2 inches

6112NWH	Matte white
6112NBK	Matte black
6112NAL	Matte aluminum

Advent - joiner track

Includes concealed mini-coupler and hardware.

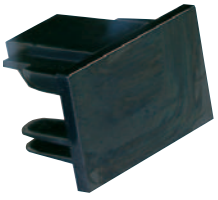
8-foot

6103NWH	Matte white
6103NBK	Matte black
6103NAL	Matte aluminum

Basic - replacement dead end cover

56475	Matte white
56491	Matte black
56476	Matte aluminum

Advent - replacement dead end cover



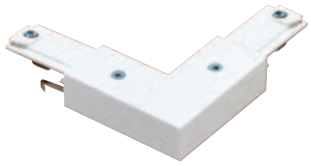
56308	Matte white
56312	Matte black
56309	Matte aluminum

In-line connector

Can be fed directly with electrical connector.

Basic	Advent	
6054NWH	**6154NWH**	Matte white
6054NBK	**6154NBK**	Matte black
6054NAL	**6154NAL**	Matte aluminum

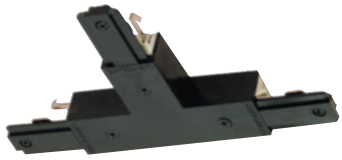
"L" connector



Can be fed directly with electrical connector.

Basic	Advent	
6050NWH	**6150NWH**	Matte white
6050NBK	**6150NBK**	Matte black
6050NAL	**6150NAL**	Matte aluminum

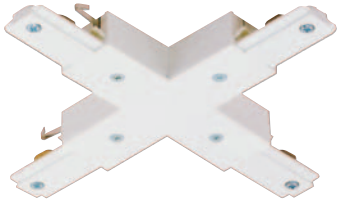
"T" connector



Can be fed directly with electrical connector.

Basic	Advent	
6051NWH	**6151NWH**	Matte white
6051NBK	**6151NBK**	Matte black
6051NAL	**6151NAL**	Matte aluminum

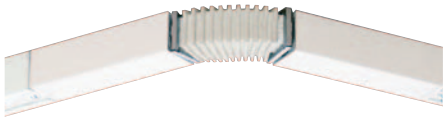
"X" connector



Can be fed directly with electrical connector.

Basic	Advent	
6052NWH	**6152NWH**	Matte white
6052NBK	**6152NBK**	Matte black
6052NAL	**6152NAL**	Matte aluminum

Variable angle connector



Flexes 90° in all directions.

Can be fed directly with electrical connector.

Basic	Advent	
6053NWH	**6153NWH**	Matte white
6053NBK	**6153NBK**	Matte black

End feed canopy kit

4 1/2" x 4 1/2" Mounts above feed connectors.

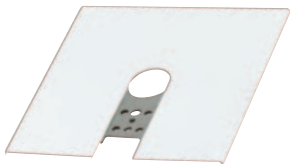
Basic	Advent	
6060WH	**6160WH**	Matte white
6060BK	**6160BK**	Matte black
6060NAL	**6160NAL**	Matte aluminum

Power extension connector

Use opposite live end to power other track sections when obstructions may exist.

Basic	Advent	
6046NWH	**6146NWH**	Matte white
6046NBK	**6146NBK**	Matte black
6046NAL	**6146NAL**	Matte aluminum

Floating canopy kit



4 1/2" x 4 1/2"
Mounts above Basic or Advent track.

Basic	Advent	
6061WH	**6061WH**	Matte white
6061BK	**6061BK**	Matte black
6061NAL	**6161NAL**	Matte aluminum

Mini coupler

Invisible spline for joining two track units.
Not a power feed point. (Included in joiner track)

Basic	Advent	
6049NWH	**6149NWH**	Matte white
6049NBK	**6149NBK**	Matte black
6049NAL	**6149NAL**	Matte aluminum

Grid ceiling canopy kit

4 1/2" x 4 1/2" Outlet box included.

Basic	Advent	
6096NWH	**6096NWH**	Matte white

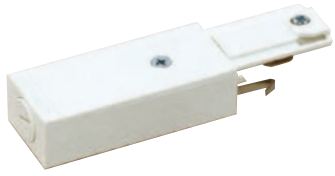
Saddle canopy kit

4 1/2" x 4 1/2"
For power feed from 4" junction box.

Basic only

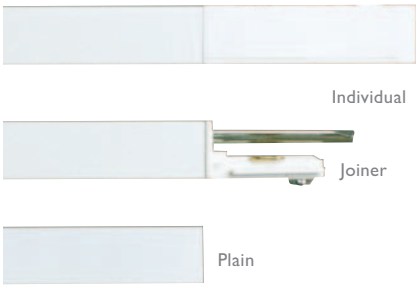
6063WH	Matte white
6063BK	Matte black
6063NAL	Matte aluminum

Live end connector



Basic	Advent	
6048NWH	**6148NWH**	Matte white
6048NBK	**6148NBK**	Matte black
6048NAL	**6148NAL**	Matte aluminum

Lytespan - Track



Basic one-circuit track

Basic Lytespan track can be mounted in a variety of surface or stem patterns, installed vertically or horizontally on walls, and be cut in the field. Basic track can also be used with suspension beam or recessed housings. Capacity is 20 amps at 120v per branch circuit. For straight runs, order one 2-foot, 4-foot or 8-foot individual track section and as many 8-foot joiner sections as required including each straight run of track between intercepts. For added convenience and economy, plain track can be used in place of individual track in applications not requiring a live-end, such as for patterns.

Advent one or two-circuit track

Advent can be mounted in a variety of surface or stem patterns, installed vertically or horizontally on walls, and be cut in the field. Advent can also be used with suspension beam or recessed housings. Total track capacity is 40 amps when supplied by a 120/240v three-wire branch circuit. A choice of power feeds is available, all of which allow a variety of configurations powered at any point. For straight runs, order one 4-foot or 8-foot individual track section plus as many 8-foot joiner track sections as required including each straight run of track between intercepts. For added convenience and economy, plain track can be used in place of individual track in applications not requiring a live end such as with patterns.

Note: Philips Lightolier does not recommend dimming of circuits with shared neutrals.

Stem mounting

Use two stems for a 4-foot single track; 3 stems for a 8-foot and 12-foot single track. Stems attach to the track at any point, and may be spaced up to 4' apart in a run of track. Stems may be cut in the field. The 48" Stem Extension Kit is used to extend stem length and may not be field cut. Canopy diameter: 4 1/2", Stem diameter: 1/2".

Note: Systems can not be mounted directly to track connectors.

For more detailed information see application guide, page 2.3.

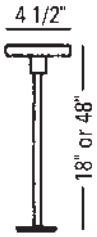
Stem mounting kits for Basic and Advent track

18" Stem mounting kit
7584 Matte white
7683 Matte black

48" Stem mounting kit
7586 Matte white
7681 Matte black

48" Stem extension kit
7582 Matte white
7680 Matte black

48" Swivel stem*
7480 Matte white
7481 Matte black



*0°-90° adjustment for sloped ceilings

Note: Stems cannot be mounted directly to track connectors.

Floating invisible feed

Basic or Advent
26082 zinc plated

Conduit adapter

For feeding power to Basic track from surface conduit with 1/2 - 14 IPS connector.

(Not required for advent.)

Basic only
7596 Zinc plated

Surface track mounting clips

(Set of 10)
• Stands track off ceiling 1/16".
56451WH Matte white
56451BK Matte black
56478 Stands track off ceiling 5/16".

Replacement stem hanger assembly

Included with stem mounted kits.
For use with 1/4" -18NPSM threaded stem.

Basic or Advent
56417

Sloped ceiling adapter

Basic, Advent or Radius
6079WH Matte white
6079BK Matte black

4 1/8" overall length

Use to adjust Lytespots from 0 - 90° on monopoint or track for sloped and cathedral ceiling applications.
Can be used alone or with extension wands.
Can be used with all fixtures listed with this symbol.

Grid ceiling mounting clips

For Regressed-Edge Panels and 9/16" or 15/16" T-Bar runners.

Set of 9.
6087 Matte white

For Regressed-Edge Panels and Slotted Grid runners in ceiling systems such as DONN, FINELINE, and Ultraline 3500*.

Set of 9. See Note 1.
6088 Matte white

For Square-Edge Panels and 9/16" or 15/16" T-Bar runners.
Set of 9.
6089 Matte white

[1] Donn and Fineline are registered trademarks of USG Interiors, Inc. Ultraline 3500 is a registered trademark of Chicago Metallic Corporation.

Pendant adapter

Supports cord mounted fixtures up to 10 lbs. and stem or chain mounted fixtures to 25 lbs. Also compatible with Radius track. 6 amps.

7599 Matte white

7599BK Matte black

Convenience outlet

Provides auxiliary source for plug-in equipment. Capacity 6 amps. Also compatible with Radius track. Not UL listed.

6085 Matte white

Attachment fitting

Supports cord mounted fixtures up to 10 lbs. and stem or chain mounted fixtures to 25 lbs. Chain not included. 6 Amps.

7589 Matte white

7589BK Matte black

Basic monopoint

Ultra shallow monopoint mounts track fixtures to 3 1/2" or 4" octagon outlet box (1/4" deep).

4 1/2" Dia. Canopy

6190WH Matte white

6190BK Matte black

6190NAL Aluminum

(Use 90°C Min. supply wire.)

Rectangular monopoint

Ultra shallow monopoint mounts track fixtures to 3 1/2" or 4" octagon outlet box (1/4" deep).

6170WH Matte white

6170BK Matte black

6170AL Aluminum

(Use 90°C Min. supply wire.)

Cord and plug

For basic 1-circuit track only. Includes 15-foot, 2-conductor cord and plug set with in-line switch. Capacity 6 amps at 120v. Not UL Listed.

6062WH Matte white basic only

6062BK Matte black basic only

Suspension display hook

Non-electrified Suspension display hook attaches to Radius, Basic and Advent track. Supports a maximum of 25lbs. May be used for hanging signage or other display material from track.

7437 Accessory/Suspension Adpter-Kit

Multipoint

Surface mounts of up to 3 average sized Lytespots, depending on the fixture size, over any standard outlet box. Track length 11 11/16", width 4 1/2", depth 9/16".

Note: Not compatible with Lyteflood 39 and Lyteflood 40.

7619WH Matte white

Weighted base

Powers one Lytespot. Includes 8' cord and plug, built-in switch.

Note: Not compatible with Power Jacks, Lyteflood 39 or Lyteflood L40. Do not install less than 5 feet above the floor.

6197BK Matte black

Extension wands

Extends Lytespots below track. Stem dia. 1/2". Can be connected together -8' max. Can be used with all fixtures listed with this symbol. Also compatible with Radius Track. May not be field cut.

48"

6076WH Matte white

6076BK Matte black

36"

6075WH Matte white

6075BK Matte black

18"

6074WH Matte white

6074BK Matte black

Clamp-on monopoint

Can be clamped on pipe up to 2" diameter, comes with 8' cord and plug. Can be used with all fixtures listed with this symbol.

6196WH Matte white

6196BK Matte black

Suspension beam

Lytespan track housings

Rugged extruded aluminum Suspension Beam housings which enclose Basic or Advent Track sections provide a sturdy profile. It requires a minimum of support when suspended on rigid stems or slender, flexible, almost invisible cables which can be spaced up to 8' apart. "L" intercept allows 90° patterns. Can be field cut.

Note: Cables recommended for patterns only.

Order Basic or Advent track separately. For patterns, order one 4' or 8' Individual track section and as many 8' joiner track sections as required for each straight run of track between intercepts. In patterns, plan power feed at "L" intercepts.

For more detailed information see application guide, page 2.91.

Suspension beam

4' Housing

6450 Matte white

6450BK Matte black

Use with 6001, 6101 track

8' Housing

6451 Matte white

6451BK Matte black

Use with 6002, 6003, 6102, 6103 track

Uses stem mounting kits on page 2.158 or following cable kits.

Suspension beam mounting kits

60" Cable suspension

7458NBK Black canopy mechanical only

7458NWH White canopy mechanical only

7459NBK Black canopy electric feed

7459NWH White canopy electric feed

120" Cable suspension

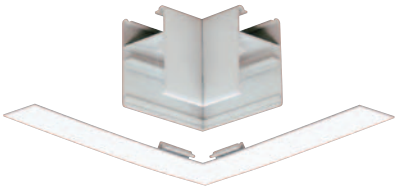
7468NBK Black canopy mechanical only

7468NWH White canopy mechanical only

7469NBK Black canopy electric feed

7469NWH White canopy electric feed

Suspension beam 90° "L" housing / splice box



6454 Matte white

6454BK Matte black

Electrical connector kits

For use with "L" Housing.

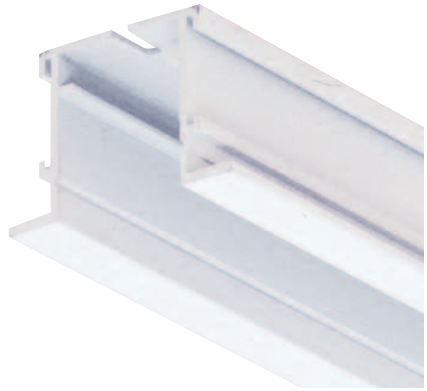
Basic

6464WH (Set of 2)

Advent

6467WH (Set of 2)

Recessed track



Lytespan track housings

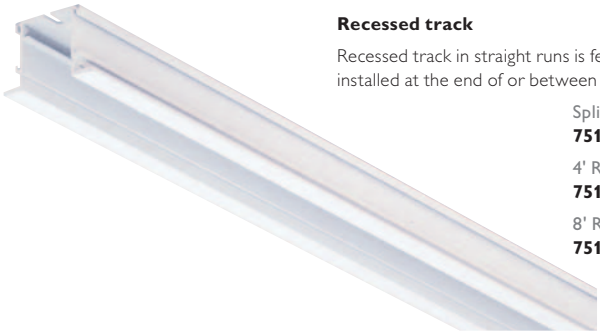
Recessed extruded aluminum housing encloses Basic or Advent track, sold separately, for a clean ceiling. Housing has minimum-width trim flange for use with all ceiling materials and can be field-cut to length. Recessed track is fed from splice box installed at the end of, or between housings. Electrical connector kit connects track sections through "L", "T", and "X". Ceiling Material should not protrude below the flange of the recessed housing to ensure proper installation of Lytespots.

Recessed housing intercepts

In patterns, power can be fed at "L", "T" or "X" Splice Box. Order electrical connector kit for each splice box for power feed or power continuity. Order one 4' or 8' Individual Track section and as many 8' Joiner Track sections as required for each straight run of track between intercepts.

For more detailed information see application guide, page 2.10.

Recessed track end splice box



Recessed track

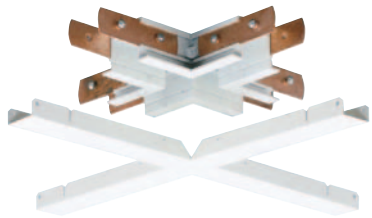
Recessed track in straight runs is fed from end splice box installed at the end of or between 4' or 8' housings.

Splice box
7517 Matte white

4' Recessed housing
7515 Matte white

8' Recessed housing
7516 Matte white

Recessed track "x" splice box



7692

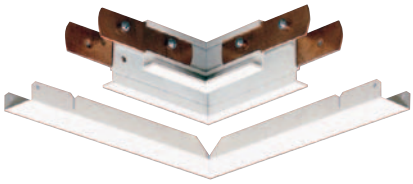
Electrical connector kits

For use with "X" splice box.

Basic
6462WH (Set of 4)

Advent
6465WH (Set of 4)

Recessed track "L" splice box



7690

Electrical connector kits

For use with "L" Splice Box.

Basic
6464WH (Set of 2)

Advent
6467WH (Set of 2)

Recessed track "T" splice box

7691

Electrical connector kits

For use with "T" Splice Box.

Basic
6462WH (Set of 4)

Advent
6465WH (Set of 4)

Recessed track replacement parts

Mounting clips

Included with housing.

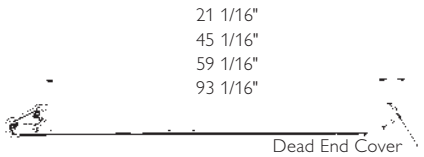
Basic
56480 White

Advent
56411 White

Lathing tab
Included with 4' and 8' Recessed Housing
56406

Connecting spline
Included with 4' and 8' Recessed housing (with screws).
56407

Recessed spline box end (flange type)
Included with 7517, 7690, 7691, 7692 housings.
56409



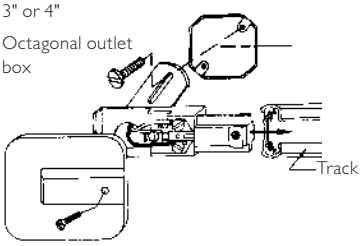
Radius

Lytespan - track application guide

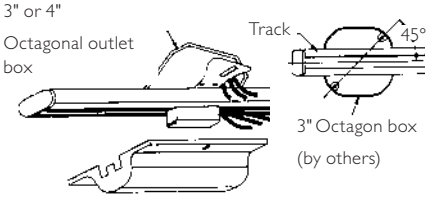
Radius Track is available in 2', 4', 6' and 8' lengths. It may be cut in the field. Toggle bolts and nylon insulators, supplied, mount the track to a ceiling or wall through existing holes in the track. Do not exceed 4' spacing of track supports.

Concealed mini-coupler (order separately) connects tracks mechanically and electrically in a straight run

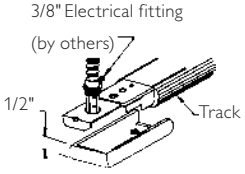
Power feeds



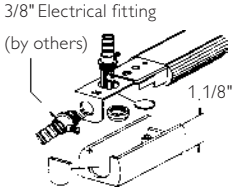
Use live end canopy kit for power feed from an outlet box mounted over the end of the track.



Use Saddle canopy for power feed from an outlet box mounted anywhere along the track. When mounting to a 3" octagon box the track must be oriented at 45 degrees to the mounting holes. Includes extra dead end cover.

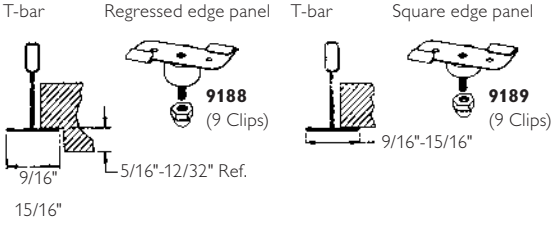


Use live end power feed for direct power feed from overhead conduit or cable terminating in a 3/8" electrical fitting.

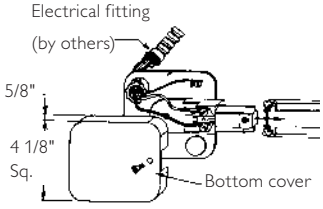


Use surface feed connector for power feed from surface conduit terminating in a 3/8" electrical fitting. It may also be used for direct power feed from overhead conduit or cable.

Mounting track to T-bar ceilings



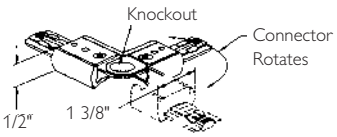
Use T-bar mounting clips to mount the track to "T" bar ceiling runners. The clips attach through existing holes in the track. Do not exceed 4' spacing of clips.



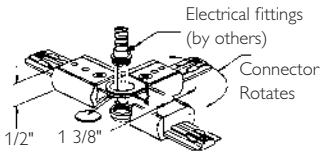
Use T-bar canopy to feed power from conduit or cable to track mounted to a "t" bar ceiling.

Track patterns

Flush "L"/In-line connector

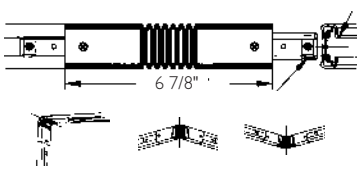


"L"/In-line feed connector



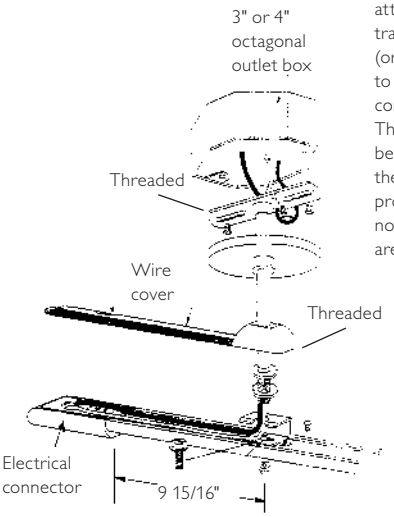
The "L"/In-line connector, both feed and non-feed, may be installed straight or may be rotated to form a right angle. They are polarized and are prewired for power continuity and will accept power feed wires from an adjoining stem. The deeper Feed "L"/In-line connector accepts a 3/8" electrical fitting for direct power feed from conduit or cable or with an optional Radius outlet box cover 9060WH, BK it may be used for power feed from a 3" or 4" octagon outlet box.

Variable angle connector



The variable angle connector is polarized and prewired for power continuity. It can flex up to 90 degrees in all directions. Power cannot be fed into this connector.

Stem mounting

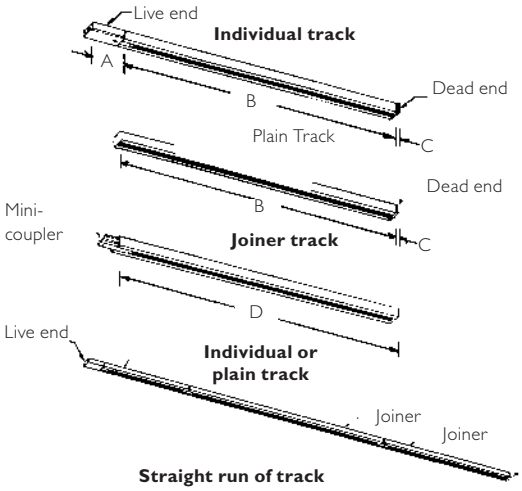


Stem kits (18" or 48") are used to suspend track from a ceiling. They attach through existing holes in the track. With the stem wire cover (order separately) they may be used to feed power to a live end, "L"/In-line connector or surface feed connector. The stem used for power feed must be located 9 5/16" from the end of the track for the wireway cover to fit properly. Stems for Radius track may not be cut in the field because they are threaded at both ends.

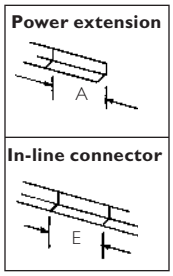
Basic/Advent

Lytespan - track application guide

Surface or stem mounted



Single track
Use individual track or plain track plus live end. May be cut in the field. Live end contains terminals for connection to power feed wires.



Straight run of track
Start with individual track (or plain track plus live end) of length desired and add as many 8' joiner tracks as required. May be cut in the field. Concealed mini-coupler connects track sections mechanically and electrically. Replace mini-coupler with in-line connector for power feed-in between track units. Power extension replaces dead end to permit power take-off from or power feed into end of track opposite live end. Power extension accepts same power feed kits as live end.

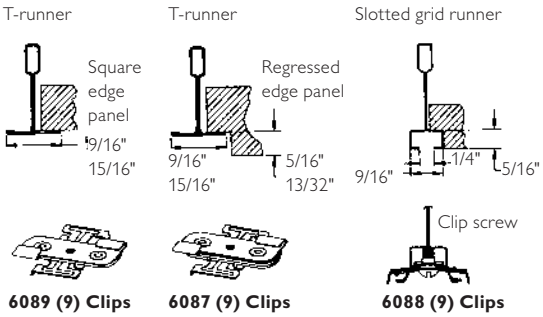
	A	B	C	D	E
Basic	2 23/32"	21 1/16"	3/32"	95 29/32"	4 1/8"
		45 1/16"			
		93 1/16"			
		141 1/16"			
Advent	4 1/2"	43 9/32"	3/32"	95 29/32"	4 1/2"
		91 9/32"			
		139 9/32"			

Surface mounting track

Direct mounting
Toggle bolts with nylon insulators, supplied with track, can be used to mount track to a wall or ceiling through existing holes in the track.

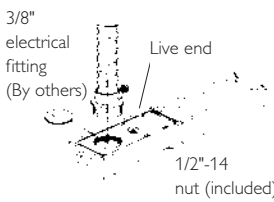
With track mounting clips
Mounting clips, provided with track, attach to track at any point.
Use only for ceiling mounting.

Mounting to exposed grid suspended ceilings

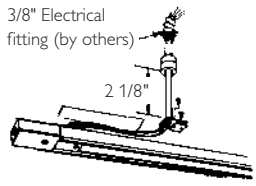


Use grid ceiling mounting clips above for ceilings shown.
Use grid ceiling canopy kit for power feed.
Do not exceed 4' spacing of track supports.

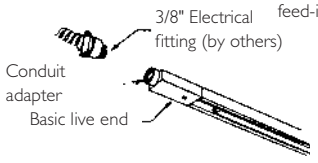
Power feed to surface mounted track from conduit or cable



Conduit or cable mounts directly to a Live End, "L", "T", "X", In-line or variable angle connector. Does not require separate power feed kit.

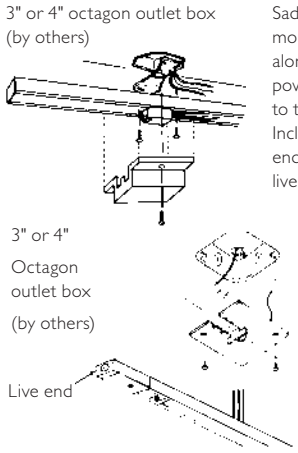


Floating invisible feed mounts anywhere along track installed with mounting clips for power feed to live end, "L", "T", "X", in-line or variable angle connector. May be located up to 4' from power feed-in point.



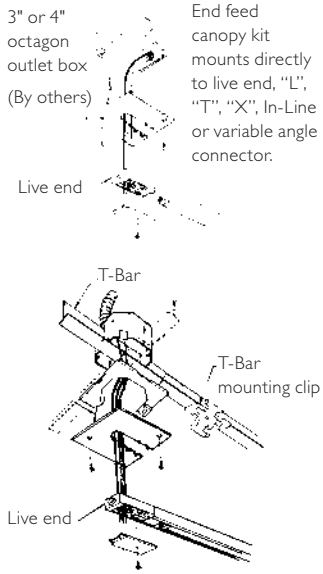
Conduit adapter attaches to Live End of Basic Track for power feed from surface conduit terminating in 1/2–14 threaded electrical fitting. Not required for Advent Track.

Power feed to surface mounted track from outlet box



Saddle canopy kit mounts at any point along basic track for power feed directly to track conductors. Includes extra dead end cover to replace live end.

Floating canopy kit mounts anywhere along track installed with mounting clips for power feed to live end, "L", "T", "X", in-line or variable angle connector. May be located up to 4' from power feed-in point.



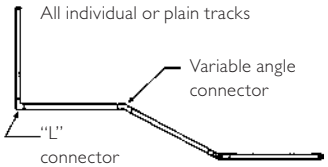
End feed canopy kit mounts directly to live end, "L", "T", "X", In-Line or variable angle connector.

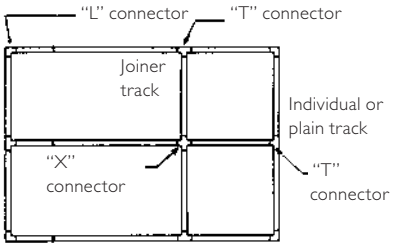
Use grid ceiling canopy kit to feed power to the live end, "L", "T", "X", In-line or variable angle connector of track mounted to a grid ceiling. Its special outlet box mounts along a t-bar runner or at the intersection of t-bar runners.

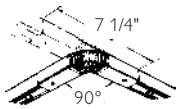
Basic/Advent

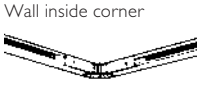
Lytespan - track application guide

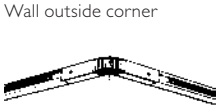
Track patterns





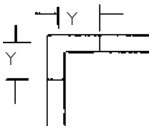






Variable angle connector flexes 90° in all directions.

Use "L," "T," "X," In-line, and variable angle connectors to turn corners or form "T" or "X" intersections. Power may be fed into the connectors. "L," In-Line, and variable angle connectors are polarized, "T" and "X" connectors are not. The "L" connector may be rotated for left or right angle turns. Jumper wires are provided for power continuity. Use plain track (or individual track with live end removed) and as many joiner tracks as required for each straight run of track between connectors. Connectors may be attached to cut track.

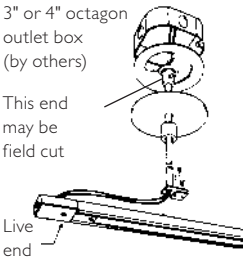


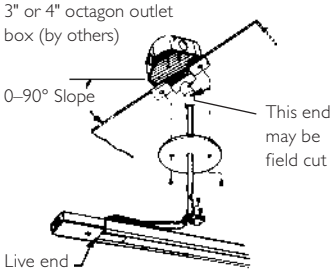
Add length (Y) to each track length to determine total length in patterns.

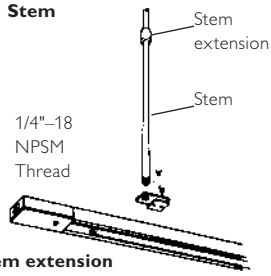
"L," "T," or "X" Connectors

(Y) Basic	(Y) Advent
2 1/16"	2 3/4"

Stem mounting track



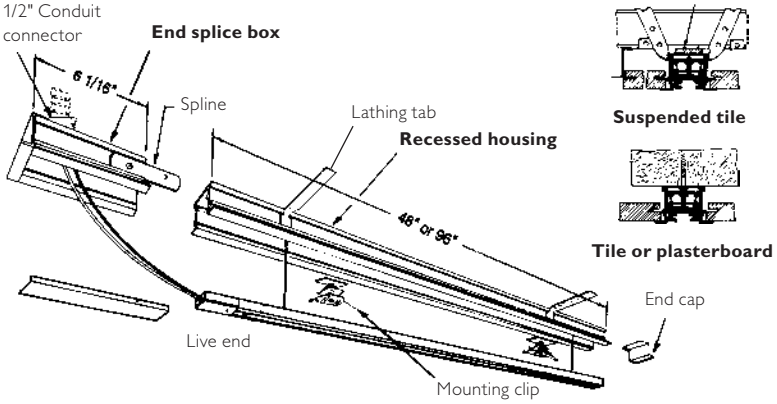




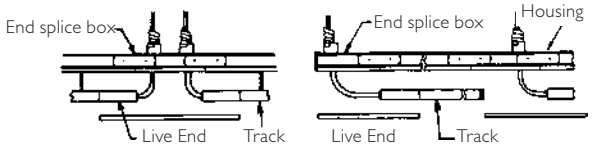
Swivel stem

Stems (18" or 48") and swivel stems (48") attach to the track at any point, may be spaced up to 4' apart and may be cut in the field. 4' wire way cover provided with stems. **The stem extension kit** extends stem length 48" but may not be cut in the field because it is threaded at both ends. Stems can be used to feed power to a live end, "L," "T," "X," In-Line, or Variable Angle Connector; use stem closest to feed-in point. Not recommended for wall mounting.

Recessing track



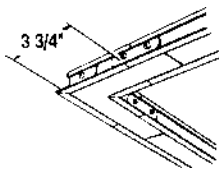
Multiple power feeds



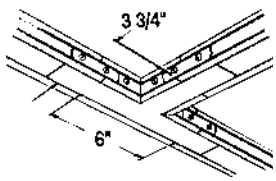
Basic and Advent track can be recessed in **4' or 8' recessed housings**. The housings may be installed individually or in straight runs and may be cut in the field. Use an individual track with a single housing. Use an individual track and as many joiner tracks as required for a run of housings. Lathing tabs, splines, and mounting clips are supplied with housings. Splines secure housings together. The **end splice box** is used for power feed and may be installed at the end of or between housings. End caps are provided with splice boxes.

"L," "T," and "X" Splice boxes permit recessed track to be installed in patterns. Each straight run of track between splice boxes is started with a plain track or individual track with live end removed and as many joiner tracks as required. 7/8" K.O.'S are provided for power feed. **Electrical connector kits** (order separately) are used for power feed or power continuity at corners and intersections. "L," "T," or "X" track connectors used for surface or stem mounted track cannot be used with recessed track.

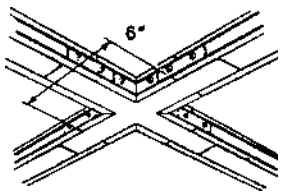
L splice box



T splice box



X splice box

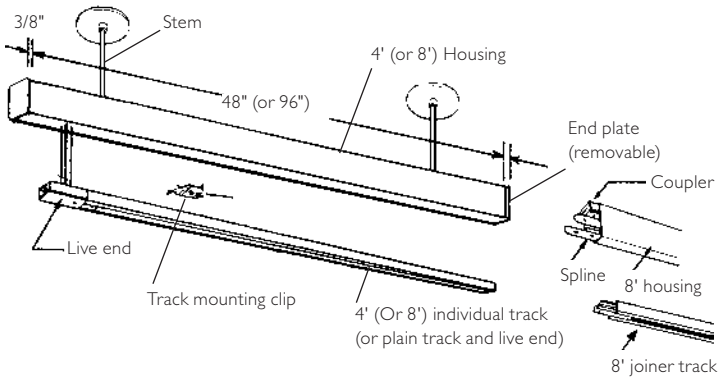


Lytespan - Suspension beam

Lytespan - track application guide

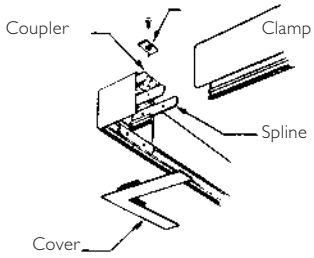
Suspension beam

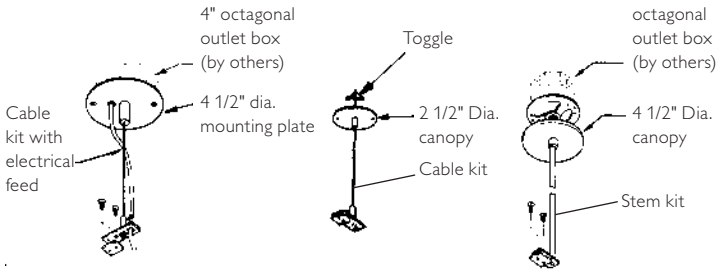
4' and **8' Suspension beam housings** are designed to enclose **Basic** or **Advent** track. They may be installed individually or in straight runs and may be cut in the field. **End plates** and **track mounting clips** are furnished with 4' and 8' housings; couplers and splines are only provided with 8' housings.



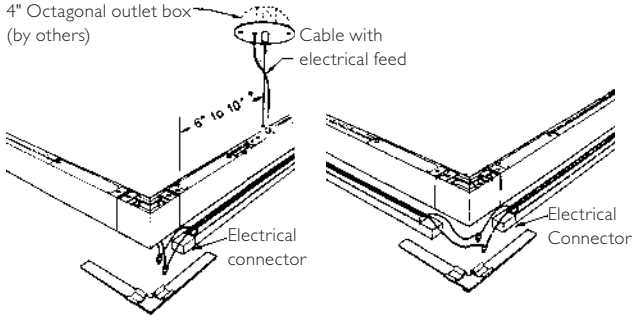
Electrical connector kit
The l housing/splice box is used to form a right angle corner with suspension beam housing. **Electrical connector kits** (order separately) are required for power feed or power continuity at corners.

"L" Housing/splice box



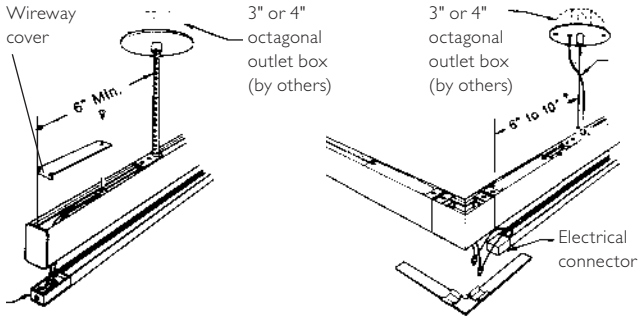


Housings are suspended by **stems** or **cables**. Both attach to the housings at any point (except at wireway cover), may be spaced up to 8' apart, and may be shortened in the field. Stems may be lengthened with a **stem extension**. Stems can be used for housings in straight runs or patterns. Cables are only recommended for patterns.



Feed-in to corner with cable **Power continuity at corner**

Stems or cables with electrical feed are used to feed power to a live end or an electrical connector at a corner. Electrical connectors at corners are spliced together for power continuity.



Feed-in to straight run with stem **Feed-in to corner with stem**

Recessed housings and splice boxes must be installed before the ceiling is completed.

PowerTrip

Lytespan current limiting device

PowerTrip is a current limiting device designed for use with Lytespan Radius, Basic and Advent Track. It works by minimizing the impact of current and pending state and federal energy legislation that penalizes the use of track lighting; particularly with fluorescent or metal halide light sources in retail applications. Under Title 24 of the CA Energy Code, or ASHRAE 90.1, the actual wattage of fixtures on a given circuit of track is typically exceeded by the higher value of the "default" load as defined in the code. These codes force the use of the default load for power consumption calculations unless an integral current limiting device is installed on the track.

How it works

PowerTrip replaces standard live-end and in-line track power feeds and is just as easy to install. PowerTrip connectors contain a miniature electro-magnetic circuit breaker that limits the current load on the track to a specified amperage/ wattage. Exceeding the rating of the PowerTrip device by increasing fixture wattage or count breaks the circuit and shuts off power to the track. Remove the excess load, reset the PowerTrip breaker, and power is restored to the track.

The first integral current limiting device for line voltage track lighting.

How to select

Total the wattage (including ballast input wattage if applicable) of all fixtures that will be used on each circuit of track. Determine the default wattage as stipulated by the applicable code; either 45 watts per linear foot of track (in CA), or 30 watts per linear foot (most other states). If the actual load exceeds the default load PowerTrip is not required. If the default load is higher than the actual load select the PowerTrip kit that exceeds but is closest to the actual load.

How to order

PowerTrip is a two-part system. Choose the PowerTrip kit that best suits the power feed requirements of the installation, either Live-End or In-Line. Next choose the PowerTrip breaker module as shown in "How to select" above. Order both components separately.

Energy codes impacting track lighting

California Energy Code – Title 24

Section 130.c.3 of California's Title 24 Energy Code states that; for the purpose of calculating the allowed energy consumption (in watts) for interior track lighting; "The wattage of line-voltage lighting track and plug-in busway which allows the addition or relocation of luminaires without altering the wiring of the system shall be the volt-ampere rating of the branch circuit feeding the luminaires or an integral current limiter controlling the luminaires, or the higher of the maximum relamping rated wattage of all of the luminaires included in the system, listed on a permanent factory-installed label, as specified by UL 1574, or 45 Watts per linear foot."

ASHRAE 90.1-2004, Addendum e

9.1.4 (c) Luminaire Wattage

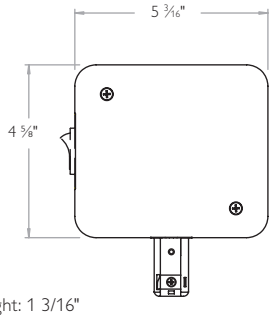
For line-voltage lighting track and plug-in busway, designed to allow the addition and/or relocation of luminaires without altering the wiring of the system, the wattage shall be:

1. The specified wattage of the luminaires included in the system with a minimum of 30 W/lin ft (98 W/lin m), or
2. The wattage limit of the system's circuit breaker, or
3. The wattage limit of other permanent current limiting device(s) on the system.

PowerTrip

Lytespan current limiting device

Live end kit - Radius

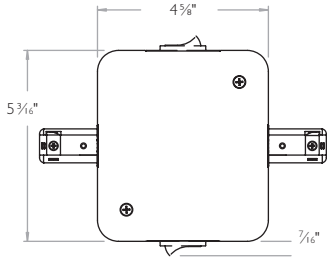


Height: 1 3/16"

9099WH Matte white

9099BK Matte black

In-line kit - Radius

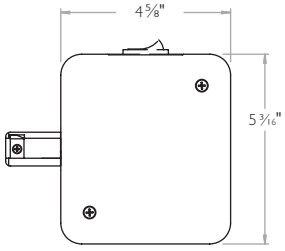


Height: 1 3/16"

9033WH Matte white

9033BK Matte black

Live end kit - Basic

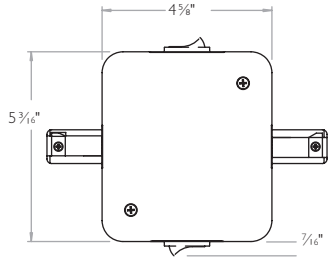


Height: 1 3/16"

6099WH Matte white

6099BK Matte black

In-line kit - Basic



Height: 1 3/16"

6033WH Matte white

6033BK Matte black

Example calculation

A 20-foot installation of Lytespan Basic track is fitted with three 59 watt* T5 fluorescent wall washers. Under Title 24 the larger of the following two calculations will be used to quantify the total energy consumption of the system, regardless of the actual consumption.

3 fixtures X 59 watts/fixture = 177 actual watts; or 45 watts X 20 feet of track = 900 "default" watts.

By code the energy consumption of the system will default to the larger of the above two values, or 900 watts. Since the actual power consumption is 177 watts, a total of 723 watts (900-177) of lighting potential is forfeited.

However, if a 2.5A/300W PowerTrip kit is installed the code allows the following.

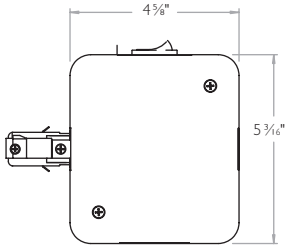
300 PowerTrip watts – 177 actual watts = 123 watts

By using PowerTrip only 123 watts of lighting potential is forfeited versus 723 watts without. PowerTrip "saves" 600 watts (723-123, or 900-300).

The above calculation is for example only. Philips Lightolier only warrants that PowerTrip breaker modules will perform as rated. Local authorities have jurisdiction over code interpretation and enforcement. The codes outlined here are current as of this printing. Local and municipal codes may vary and/or change without notice.

*Total input watts of metal halide ballast.

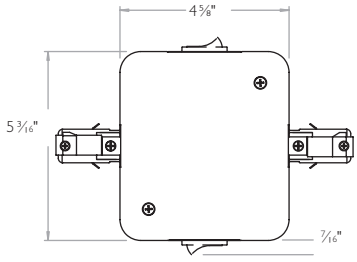
Live end kit - Advent



6199WH Matte white

6199BK Matte black

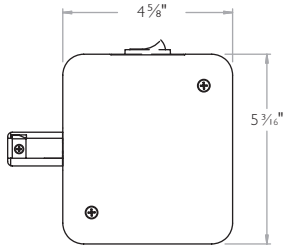
In-line kit - Advent



6133WH Matte white

6133BK Matte black

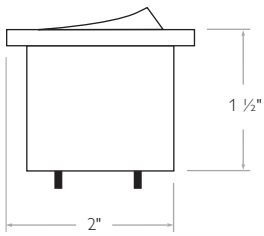
Live end kit - Basic



6099WH Matte white

6099BK Matte black

PowerTrip breaker modules



PLD120WH	Matte white	1.0A/120W
PLD120BK	Matte black	1.0A/120W
PLD300WH	Matte white	2.5A/300W
PLD300BK	Matte black	2.5A/300W
PLD600WH	Matte white	5.0A/600W
PLD600BK	Matte black	5.0A/600W
PLD900WH	Matte white	7.5A/900W
PLD900BK	Matte white	7.5A/900W

Consult factory for custom ratings.

Short circuit current rating (AIC): 1kA

Accessories

Lytespan

Lytespan and ProSpec track lighting offer a full range of high performance accessories for tinting, coloring and shaping of the light beam. All accessories are designed to attach easily. Accessory holders hold one, two, or three accessories, simply choose the correct size needed for the attached shade.

A complete accessory consists of a size and series suffix. For example, **AF25 + UV = AF25UV** (2 1/2" UV Filter).

Diffusion/special filters

Series: **AF2** = 2" dia., **AF25** = 2 1/2" dia., **AF3** = 3 3/4" dia., **AF4** = 4 3/4" dia., **AF7** = 6 1/4" dia.

- **UV** Optivex UV reduction*
- **FR** Frosted etched lens
- **SF** Solite® soft focus lens
- **PF** Perimeter frost
- **IR**** Infra-red reduction
- **SY** Symmetrical spread lens
- **AS**** Beam elongator lens

*Optivex UV filters by Bausch & Lomb **Not for use on all fixtures. See fixture spec sheet

Hex cell louvers

Series: **AL**

AL2HC	=	2" dia.	Hex cell louver
AL25HC	=	2 1/2" dia.	Hex cell louver
AL3HC	=	3 3/4" dia.	Hex cell louver
AL4HC	=	4 3/4" dia.	Hex cell louver
7472 (Bare edge)	=	2" dia.	Hex cell louver

Color filters

Series: **ADF2** = 2" dia., **ADF25** = 2 1/2" dia., **ADF3** = 3 3/4" dia., **ADF4** = 4 3/4" dia., **ADF7** = 6 1/4" dia.

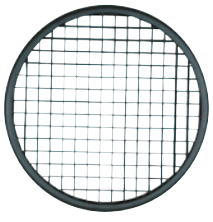
Primary colors

- **RD** Red
- **BL** Blue
- **GR** Green

Secondary colors

- **MM** Medium magenta
- **YG** Yellow green
- **BG** Blue green
- **MA** Medium amber

Cube cell louvers



Series: **AL**

AL4CC	=	4 3/4" dia.	Cube cell louver
AL7CC	=	6 1/4" dia.	Cube cell louver

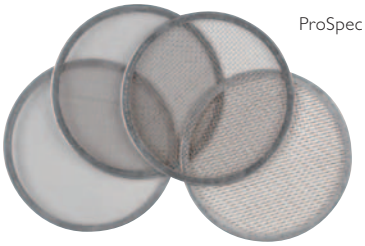
Provides additional light shielding and reduces lamp glare when needed. Matte black finish.

Mixing colors*

- **SP** Surprise pink
- **SB** Steel blue
- **DA** Daylight color correction
- **LS** Light straw
- **BA** Bastard amber
- LP Light pink

*Filters shown together mix to white.

Screen kits



ProSpec only

AS25LS	=	2 1/2" dia.	Light blocking
AS3LS	=	3 3/4" dia.	Light blocking
AS4LS	=	4 3/4" dia.	Light blocking
AS7LS	=	6 1/4" dia.	Light blocking

Each kit contains two 15% light blocking screens and two 40% light blocking screens.

Metallics accessory holders

8782 PAR20 Black
Accepts 2 - AL25 or AF25
(2 1/2" dia.) series. accessories.

8783 PAR30 Black
Accepts 2 - AL3 or AF3
(3 3/4" dia.) series. accessories.

8784 PAR38 Black
Accepts 2 - AL4 or AF4
(4 3/4" dia.) series. accessories.

Sof-Tech low voltage accessory holders

Holds a maximum
of one accessory.
7662 MR16
(for use with 6273B,
6273T, 6275B, 6275T,
8675B, 8273B)

7661 AR70
(for use with 6272, 6274,
8272, 8274)

7660 PAR36/AR111
(for use with 6289, 6279,)

Sof-Tech line voltage accessory holders

Holds a maximum
of one accessory.
8471 PAR16
(for use with 8416,
8416-12, 8416-18)

8472 PAR20
(for use with 8420,
8420-12, 8420-18)

8473 PAR30
(for use with 8430,
8430-12, 8430-18)

Par-Tech cone, cylinder & ring shade accessory holders

Holds a maximum
of two accessories.
8581 PAR16
(for use with 8215,
8216)

8582 PAR20
(for use with 8225,
8226, 8228)
8583 PAR30
(for use with 8235,
8236, 8238)

8595 PAR38
(for use with 8248)

Par-Tech bezel shade accessory holders

Par-Tech fixtures feature an accessory holder that is hidden from view for a "built-in" appearance. To use accessory holder show, just remove snap-off collar from bezel shade and insert accessory holder, then re-attach collar.

Holds a maximum
of one accessory.
8591
PAR16 (for use
with 8217)

8592
PAR20 (for use
with 8227)

8593
PAR30 (for use
with 8237)
Holds a
maximum of two
accessories
8595
PAR38 (for use
with 8247)

Lasso accessory holders

Holds a maximum
of one accessory.
8592 PAR20
(for use with 8257)
8593 PAR30
(for use with 8258)
8594 PAR38
(for use with 8259)

PowerArc modular

Cat No	Size	Finish
83T4AH	T4	Black
Accepts 2 – AL3, AF3 or ADF3, (3 _"dia.) series. Acc		
83T6AH	T6	Black
Accepts 2-AL4, AF4 or ADF4, (4 _"dia.) series. Acc		
8784	PAR38 ED17	Black
Accepts 2 AL4 or AF4, (4 _"dia.) series. Acc		

Barn doors for metallics

For adjustable shielding
of light. Dark titanium finish.

8725TM Dark titanium
PAR20
8725WH Matte white
(See adapter for lamp wattage)
8735TM Dark titanium
PAR30
8735WH Matte white
(See adapter for lamp wattage)
8745TM Dark titanium
PAR38
8745WH Matte white
(See adapter for lamp wattage)

Barn doors for Lasso & Par-Tech bezel

For adjustable shielding
of light. Matte black finish.

8542BK PAR20
Barn door
8543BK PAR30
Barn door
8544BK PAR38
Barn door*
7650 4 3/4" Dramalux
Barn door
7651 6 1/4" Dramalux
Barn door

*Not compatible with 8595

MR16 Snoot for Alcyon

Provides maximum light shielding and cut-off to lamp. Matte black interior, 45° lamp shielding angle. Recommended for use with narrow spot lamps.

22SR6AL Aluminum
22SR6BK Matte black
22SR6WH Matte white
1 3/16" Aperture (30mm)

Framing projector

6497 Framing
Projector

Easily attaches to MR16 Lytespots to provide sharp-edged beams for framing two-dimensional objects. Matte black finish.

Illumination on vertical plane
Shutter blades set for maximum beam coverage

Distance (D)		24"			36"			48"			60"		
Aiming angle (A)		30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°
Width (W)		12"	18"	22"	20"	30"	35"	29"	42"	48"	37"	54"	62"
Length (L)		16"	22"	44"	27"	37"	70"	39"	51"	97"	50"	66"	123"
Distance (C)		13"	22"	33"	20"	33"	50"	26"	44"	66"	33"	55"	83"
FC	50W MR16 FEXN	376	183	52	130	66	20	65	34	11	39	20	7
	75W MR16 FEYC	680	332	95	234	119	37	117	61	20	70	37	12

Wall wash Visor

For use with Alcyon
22WW4 or PowerArc
Modular 83W4; provides
additional light shielding.

22VZ4AL Aluminum
22VZ4BK Matte black
22VZ4WH Matte white

5 1/8"L, 4 7/16"W,
2 1/2" max. Depth.
130mm L, 113mm W,
63mm max. Depth.

ProSpec surface mount track

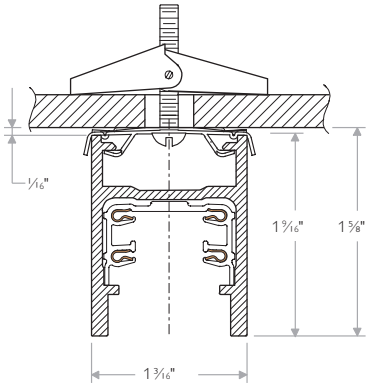
ProSpec track

ProSpec track is a family of two circuit track products from Philips Lightolier designed to be used with all ProSpec and a selection of Lytespan lighting instruments. It is available in 4', 8' or 12' sections in either plain or feed units. The track is crafted of extruded aluminum and joins together with a nearly invisible seam for a continuous appearance. Tracks can be fed directly at the end or anywhere along its surface. ProSpec track can be mounted directly to a surface or with a choice of standard direct mounting clips which lower the track from ceiling by 3/8" to provide a neat appearance on uneven surfaces. ProSpec track may also be cable suspended in high and/or open ceiling applications.

120V and 277V

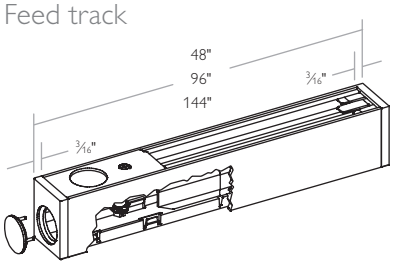
ProSpec track is available in the standard 120V/20A configuration, or with a 277V/20A rating for use with fluorescent and HID sources. 277V operates at a lower current than 120V allowing more wattage to be loaded on any given circuit. 277V may also save installation costs by reducing the number of power feeds that need to run to a large installation of track. The benefits and savings of 277V over 120V track are unique to each individual installation. Consult a registered electrician or electrical engineer to determine which voltage is best suited to the application.

ProSpec track specifications



- A two circuit track consisting of two separate 120v 60Hz 20 amp branch circuits, each with dedicated neutrals.
- Track is continuously grounded throughout but need not be polarized since the circuits are arranged symmetrically within the track.
- Flush adapters can be inserted in any orientation to access the circuit desired. Position of lever allows easy identification of circuit being used.
- Power is fed into integral feed wiring connector contained in the feed track.
- Track connectors are extruded aluminum housings with the same profile as the track to provide a clean continuous look. All connectors can be power fed except invisible coupler.
- All track sections may be field cut to length.
- Track has a profile of 1 3/16" with an average wall thickness of .08" creating a strong support for fixtures while minimizing deflections between ceiling mounts.

Feed track



120V

4' Feed track

26001WH Matte white
26001BK Matte black

8' Feed track

26002WH Matte white
26002BK Matte black

12' Feed track

26013WH Matte white
26013BK Matte black

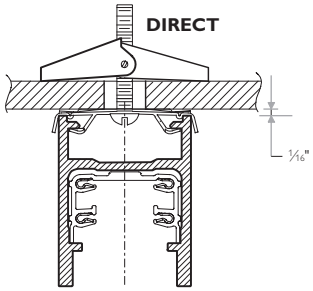
Replacement dead end cover for 120V

926919 Matte white
926920 Matte black

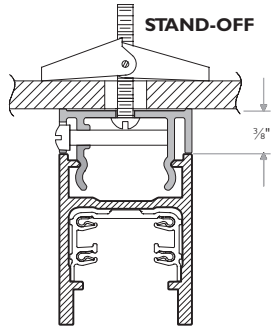
ProSpec Surface mount track

ProSpec track

Mounting ProSpec track

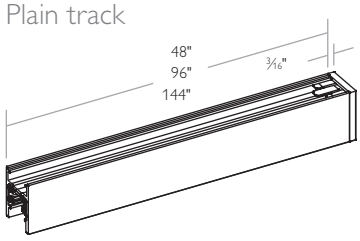


Direct mounting clips allow a clean appearance by spacing the track 1/16" from the mounting surface. Standard with all track units, they are nylon-coated to prevent rusting and ceiling marks. Toggle bolts and screws are also furnished with all units for direct mounting to the ceiling or wall.



Optional stand-off mounting clips provide rigid support and hold the track 3/8" from the mounting surface. The clips feature one-screw mounting/one-screw tightening. The track snaps onto the clips and can be moved into position before tightening the locking screws.

Plain track



120V

4' Plain track
26004WH Matte white
26004BK Matte black

8' Plain Track
26008WH Matte white
26008BK Matte black

12' Plain Track
26012WH Matte white
26012BK Matte black

277V

4' Plain Track
37004WH Matte white
37004BK Matte black

8' Plain Track
37008WH Matte white
37008BK Matte black

12' Plain Track
37012WH Matte white
37012BK Matte black

Replacement
dead end cover for 277V
56370WH Matte white
56370BK Matte black

Connectors/accessories

ProSpec surface mount or suspended track

Straight runs of track

Begin with any length of feed track and add as many plain sections as desired. The concealed invisible coupler (Ordered separately) connects track sections mechanically and electrically. Replace the invisible coupler with in-line connector for power feed-in between track units. ProSpec Track may be cut in the field.

Making track patterns

Use "L", "T", "X", and in-line connectors to turn corners or from "T" or "X" intersections. Power may be fed into the connectors. Jumper wires are provided for power continuity. Use plain track for each straight run of track between connectors. Connectors may be attached to track that has been cut.

Stem mounting

ProSpec Track can be suspended from horizontal surfaces or sloped surfaces using ProSpec Stems. The stems (except extension stems) can be cut to any length to achieve the exact height desired. The minimum length obtainable from the ceiling is 3". Stems should not be spaced more than 4' apart. Swivel Stem Mounting Kits* are available to allow the track to hang vertically with the track opening horizontal to the floor. This is possible if the track is running parallel to the slope or perpendicular to the slope.

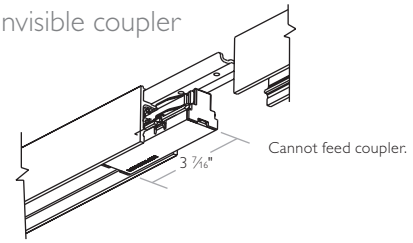
Direct feed into connectors

The feed track, power extension, "L", "T", "X" and In-Line Connectors contain a nut with a 1/2-14 thread to accept a 3/8" or 1/2" (trade size) electrical connector. Does not require a separate power feed kit.

Floating invisible feed

This can be mounted anywhere along the track at a maximum distance of 4 feet from the edge of track. The floating invisible feed accepts conduit or cable with 3/8" or 1/2" electrical connector (by others). It can be used with feed track, "L", "T", "X", and in-line connectors.

Invisible coupler

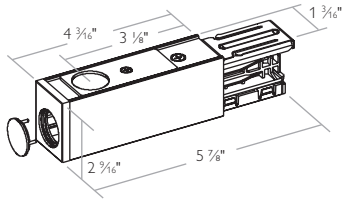


120V Surface mounting
26049WH Matte white
26049BK Matte black

277V Surface or suspended
37049WH Matte white
37049BK Matte black

120V Suspended mounting
26049SWH Matte white
26049SBK Matte black

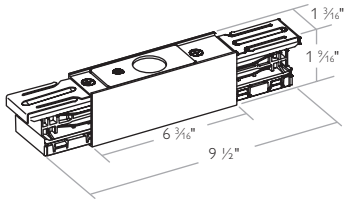
Power extension (live end)



120V Surface mounting
26046WH Matte white
26046BK Matte black

Surface or Suspended mounting
37046WH Matte white
37046BK Matte black

In-line feed connector

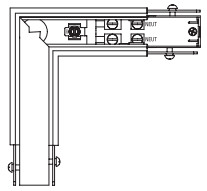


120V Surface mounting
26054WH Matte white
26054BK Matte black

277V Surface or suspended
37054WH Matte white
37054BK Matte black

120V Suspended mounting
26054SWH Matte white
26054SBK Matte black

"L" feed connector

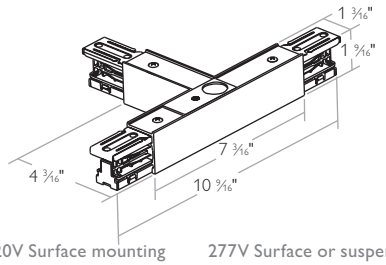


120V Surface mounting
26050WH Matte white
26050BK Matte black

277V Surface or suspended
37050WH Matte white
37050BK Matte black

120V Suspended mounting
26050SWH Matte white
26050SBK Matte black

"T" feed connector

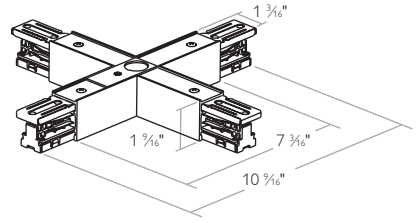


120V Surface mounting
26051WH Matte white
26051BK Matte black

277V Surface or suspended
37051WH Matte white
37051BK Matte black

120V Suspended mounting
26051SWH Matte white
26051SBK Matte black

"X" feed connector

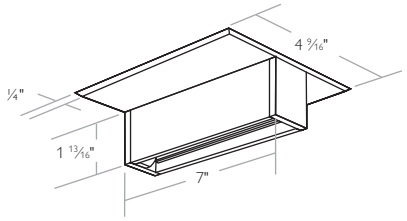


120V Surface mounting
26052WH Matte white
26052BK Matte black

277V Surface or suspended
37052WH Matte white
37052BK Matte black

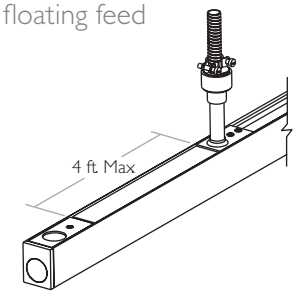
120V Suspended mounting
26052SWH Matte white
26052SBK Matte black

Surface monopoint j-box mount



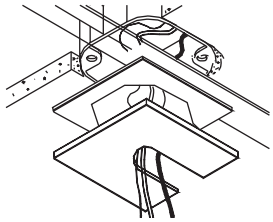
120V
26190WH Matte white
26190BK Matte black

Invisible floating feed



26082

Grid ceiling canopy and j box

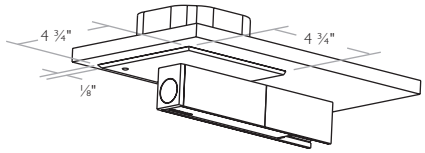


Mounts to any feed connector or along track length 4' max. from feed connector.

120V/277V

26096WH Matte white

End feed & floating canopy kit



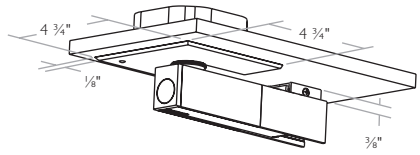
Mounts to any feed connector or along track.
Use with 1/16" Mounting Clip or direct track mount.

120V/277V

26060WH Matte white

26060BK Matte black

End feed & floating canopy kit for 3/8" stand off clip



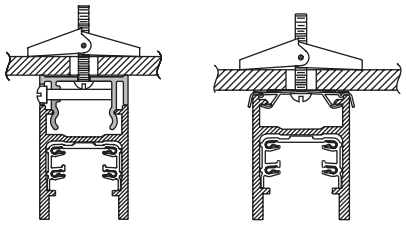
Mounts to any feed connector or along track.
Use with 3/8" stand-off mounting clips.

120V/227V

26061WH Matte white

26061BK Matte black

Stand-off/direct mounting clips



3/8" Stand-off mounting clips
Set of 4

26478WH Matte white

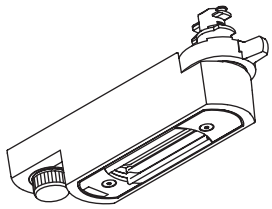
26478BK Matte black

1/16" Direct mounting clips
Set of 10 replacement clips.

56451WH Matte white

56451BK Matte black

Lytespan to ProSpec adapter



Allows most Lytespan fixtures to be mounted to ProSpec track.

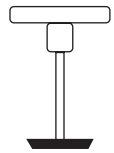
120V Only

26075WH Matte white

26075BK Matte black

6 3/4" l x 1 9/16"w x 1 7/16" h

Stem mounting kits*



18" Stem

7584 Matte white

7683 Matte black

48" Stem

7586 Matte white

7681 Matte black

48" Extension

7582 Matte white

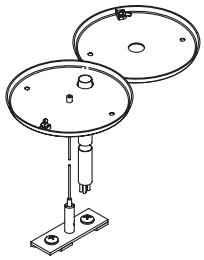
7680 Matte black

48" Sloped ceiling

7480 Matte white

7481 Matte black

Suspended track power feeds

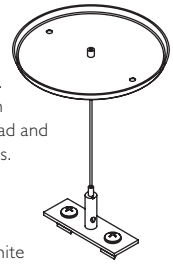


120V/277V

37005WH	5'	White
37005BK	5'	Black
37010WH	10'	White
37010BK	10'	Black
37020WH	20'	White
37020BK	20'	Black

Cable suspension kits

Maximum spacing 8'. Consult specification sheet for detailed load and spacing requirements.

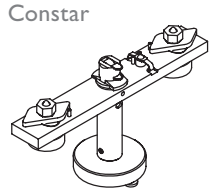


120V/277V

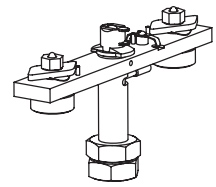
37205WH	5'	White
37205BK	5'	Black
37210WH	10'	White
37210BK	10'	Black
37220WH	20'	White
37220BK	20'	Black

Junction box adapters

Constar



Eye-Q



Mounts pendant type fixtures to ProSpec track

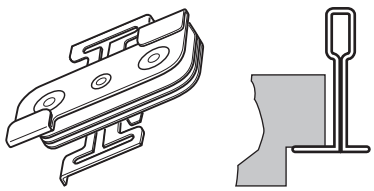
37075WH Matte white

37076WH Matte white

37075BK Matte black

37076BK Matte black

Grid ceiling mounting clips



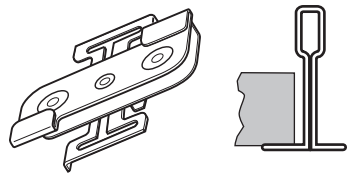
For regressed-edge panels and 9/16" or 15/16" T-Bar runners.

Set of 9.

6087 Matte white

*Stems attach to the track at any point, and may be spaced up to 4' apart.

Stems cannot be attached directly to track connectors.

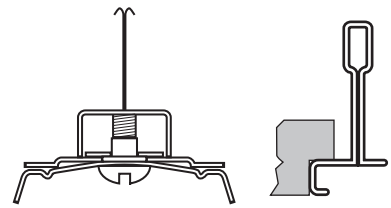


For square-edge panels and 9/16" or 15/16" T-bar runners.

Set of 9.

6089 Matte white

Sloped ceiling stem provides 00-900 adjustment for sloped ceilings.



For regressed-edge panels and slotted grid runners in ceiling systems such as Donn, Fineline, and Ultraline 3500.†

Set of 9.

6088 Matte white

† Donn and Fineline are registered trademarks of USG Interiors, Inc. Ultraline 3500 is a registered trademark of Chicago Metallic Corporation.

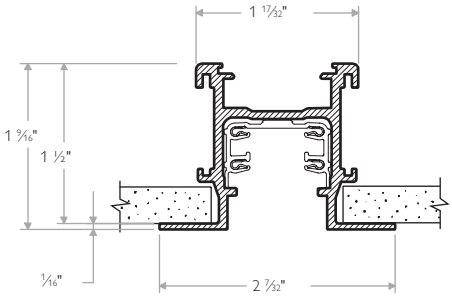
ProSpec recessed track

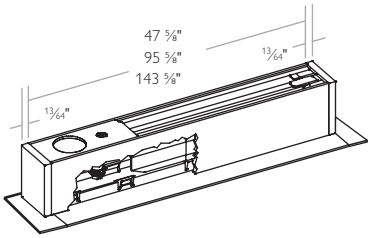
ProSpec recessed track

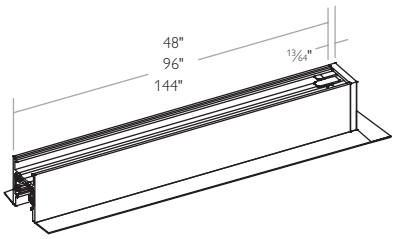
When an exceptionally clean look at the ceiling is desired, ProSpec's recessed track is the preferred choice. These flanged housings with integral track are available in 4', 8' and 12' sections for a simplified, all-in-one installation. Recessed track is available in either feed or plain units. The housing has minimum-width trim flange ideal for all ceiling materials and can be field-cut to length. ProSpec recessed track is designed to be recessed in dry ceiling applications only, such as sheet rock ceilings or suspended acoustic ceilings.

ProSpec recessed track specifications

- A two circuit recessed track consisting of two separate 120v 20 amp 60Hz branch circuits. Each circuit has dedicated neutral.
- Track is continuously grounded throughout.
- Flush adapters can be inserted in any orientation to access the circuit desired. Lever identifies which circuit is being used and is easily observed from floor.
- Material: aluminum with an average wall thickness of .08" creating a strong support for fixtures while minimizing deflections between ceiling mounts.
- ProSpec lighting units can be attached at any point along the length of the track.
- Floating splice box is available for convenient feeding of power to the installation.
- All recessed track sections may be field cut to length.







4' Recessed feed track
26601WH Matte white

8' Recessed feed track
26602WH Matte white

12' Recessed feed track
26613WH Matte white

4' Recessed plain track
26604WH Matte white

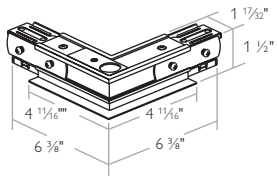
8' Recessed plain track
26608WH Matte white

12' Recessed plain track
26612WH Matte white

ProSpec recessed track

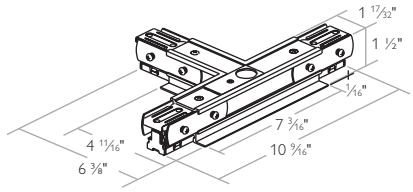
ProSpec recessed track

Recessed "L" connector



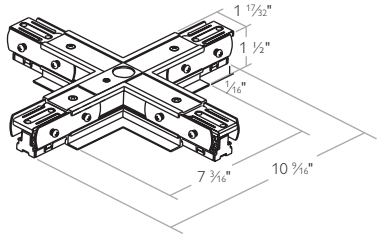
26650WH Matte white

Recessed "T" connector



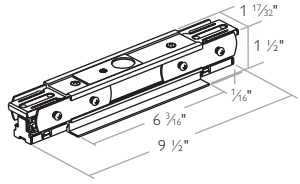
26651WH Matte white

Recessed "X" connector



26652WH Matte white

Recessed inline connector

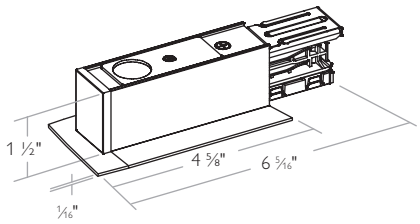


26654WH Matte white

Installing ProSpec recessed track

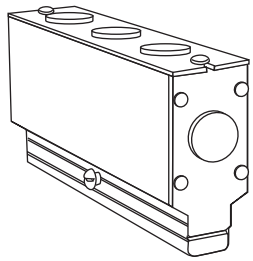
- Power is fed into integral feed contained in the feed track.
- Recessed track can also be fed from a floating splice box installed at the end along the track length (order separately).
- Order one feed recessed track unit and as many plain recessed track units as required for each straight run of track between intercepts.
- Patterns can be constructed using the recessed "L", "T", "X" power extensions or in-line connectors.
- Power can be fed into recessed "L", "T", "X", in-line connectors, power extension connectors or feed track.
- Invisible Coupler is used to join straight tracks mechanically and electrically.
- All connectors are extruded aluminum housings with the same profile as the recessed track to provide a clean continuous look.
- All connectors can be joined to the cut end of the track.

Power extension (live end)



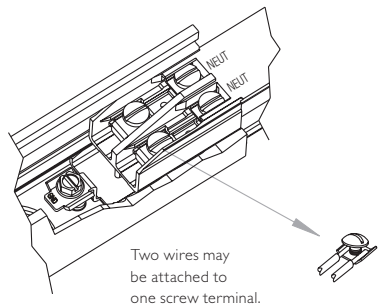
26646WH Matte white

Floating splice box (with wire cover)

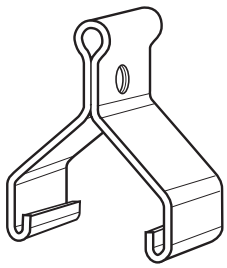


26660

Each leg of feed connector contains screw terminals for complete wiring flexibility.



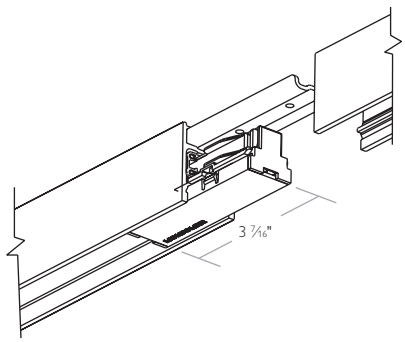
Recessed hanger clips



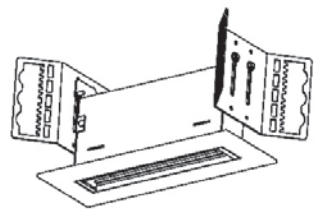
Required for recessing track into dropped ceilings.

Set of 4
26090

Invisible coupler



Recessed monopoint



ProSpec track luminaires, 500W max. NOT FOR USE with ProSpec PAR56 or PAR64 track mounted units

26690WH Matte white
26690BK Matte black

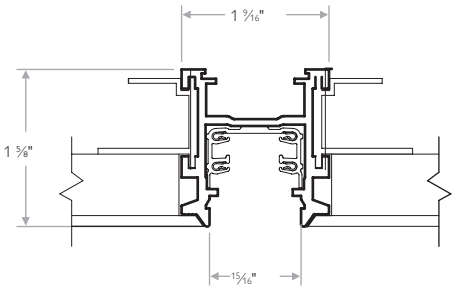
ProSpec recessed flangeless track

Full ceiling integration

ProSpec recessed flangeless track provides full integration of the track system into the ceiling for the cleanest possible appearance. The housings with integral track are available in 4', 8' and 12' sections and feature a mounting flange that is completely concealed by the finished ceiling. The track sections are available in Feed and Plain units and can be field-cut to length. ProSpec recessed flangeless track is designed to be recessed in dry ceiling applications only, such as sheet rock or plaster ceilings.

ProSpec recessed flangeless track specifications

- A two circuit recessed track consisting of two separate 120v 20 amp 60Hz branch circuits.Each circuit has dedicated neutral.
- Track is continuously grounded throughout.
- Flush adapters can be inserted in any orientation to access the circuit desired. Lever identifies which circuit is being used and is easily observed from floor.
- Material: aluminum with an average wall thickness of .08" creating a strong support for fixtures while minimizing deflections between ceiling mounts.
- ProSpec lighting units can be attached at any point along the length of the track.
- Floating splice box is available for convenient feeding of power to the installation.
- All recessed track sections may be field cut to length.



4' Recessed feed track
26601WH Matte white

8' Recessed feed track
26602WH Matte white

12' Recessed feed track
26613WH Matte white

4' Recessed plain track
26604WH Matte white

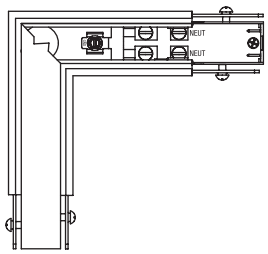
8' Recessed plain track
26608WH Matte white

12' Recessed plain track
26612WH Matte white

ProSpec recessed flangeless track

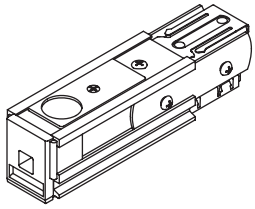
Installation recessed flangeless track

Recessed flangeless "L" connector



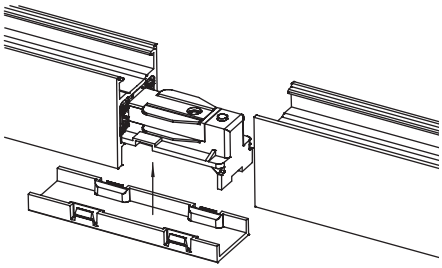
26850WH Matte white
26850BK Matte black

Recessed flangeless live end/power extension



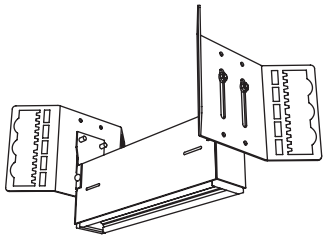
26846WH Matte white
26846BK Matte black

Invisible coupler



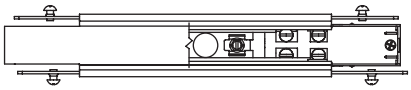
26049WH Matte white
26049BK Matte black

Recessed flangeless monopoint



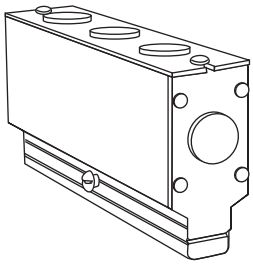
26890WH Matte white
26890BK Matte black
Aperture: 7 1/16"l x 1 5/16"w
Overall height: 4 11/16"h

Recessed flangeless in-line connector



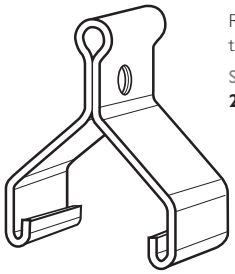
26854WH Matte white
26854BK Matte black

Recessed floating splice box



26660

Recessed hanger clips



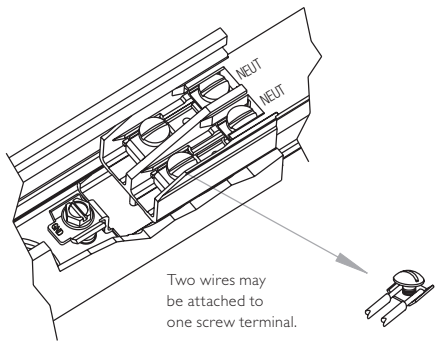
Required for recessing track into dropped ceilings

Set of 4
26090

Installing Prospec recessed flangeless track

- Power is fed into integral feed contained in the feed track.
- Recessed flangeless track can also be fed from a floating splice box installed at the end of or between housings (order separately).
- Order one feed track unit and as many plain track units as required for each straight run of track between intercepts.
- Patterns can be constructed using the recessed "L" power extensions or in-line connectors.
- Power can be fed into recessed "L" or In-Line connectors.
- Invisible coupler is used to join straight tracks mechanically and electrically.
- All connectors are extruded aluminum housings with the same profile as the recessed flangeless track to provide a clean continuous look.
- All connectors can be joined to the cut end of the track.

Each leg of feed connector contains screw terminals for complete wiring flexibility.

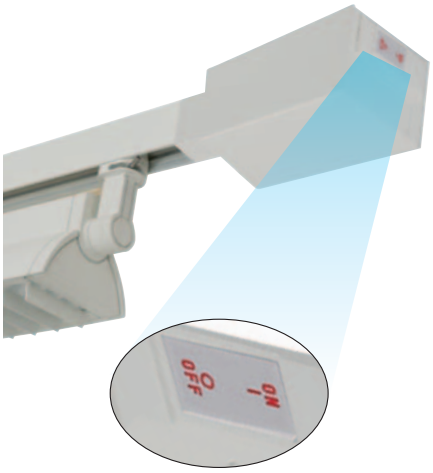


ProSpec PowerTrip

Current limiting device

PowerTrip

PowerTrip is a current limiting device designed for use with ProSpec track. It works by minimizing the impact of current and pending state and federal energy legislation that penalizes the use of track lighting; particularly with fluorescent or metal halide light sources in retail applications. Under Title 24 of the CA Energy Code, or ASHRAE 90.1, the actual wattage of fixtures on a given circuit of track is typically exceeded by the higher value of the "default" load as defined in the code. These codes force the use of the default load for power consumption calculations unless an integral current limiting device is installed on the track.



The first integral current limiting device for line voltage track lighting.

How it works

PowerTrip replaces standard live-end and in-line track power feeds and is just as easy to install. PowerTrip connectors contain a miniature electro-magnetic circuit breaker that limits the current load on the track to a specified amperage/ wattage. Exceeding the rating of the PowerTrip device by increasing fixture wattage or count breaks the circuit and shuts off power to the track. Remove the excess load, reset the PowerTrip breaker, and power is restored to the track.

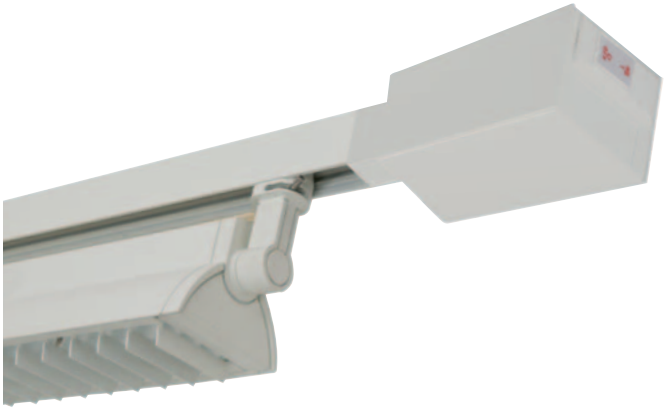
How to select

Total the wattage (including ballast input wattage if applicable) of all fixtures that will be used on each circuit of track. Determine the default wattage as stipulated by the applicable code; either 45 watts per linear foot of track (in CA), or 30 watts per linear foot (most other states). If the actual load exceeds the default load PowerTrip is not required. If the default load is higher than the actual load select the PowerTrip kit that exceeds but is closest to the actual load.

How to order

PowerTrip is a two-part system. Choose the PowerTrip kit that best suits the power feed requirements of the installation, either live-end or in-line. Next choose the PowerTrip breaker module as shown in "How to select" above. Order both components separately.

Energy codes impacting track lighting



California Energy Code – Title 24

Section 130.c.3 of California's Title 24 Energy Code states that; for the purpose of calculating the allowed energy consumption (in watts) for interior track lighting; "The wattage of line-voltage lighting track and plug-in busway which allows the addition or relocation of luminaires without altering the wiring of the system shall be the volt-ampere rating of the branch circuit feeding the luminaires or an integral current limiter controlling the luminaires, or the higher of the maximum relamping rated wattage of all of the luminaires included in the system, listed on a permanent factory-installed label, as specified by UL 1574, or 45 Watts per linear foot."

ASHRAE 90.1-2004, Addendum E

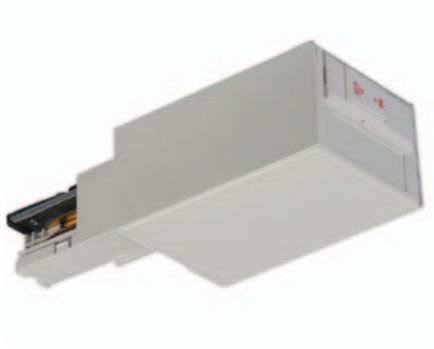
9.1.4 (c) Luminaire wattage

For line-voltage lighting track and plug-in busway, designed to allow the addition and/or relocation of luminaires without altering the wiring of the system, the wattage shall be:

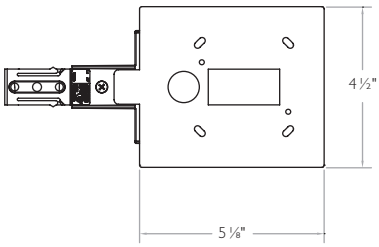
1. The specified wattage of the luminaires included in the system with a minimum of 30 W/lin ft (98 W/lin m), or
2. The wattage limit of the system's circuit breaker, or
3. The wattage limit of other permanent current limiting device(s) on the system.

ProSpec PowerTrip

Current limiting device

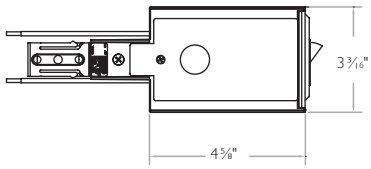


Live end canopy 120V



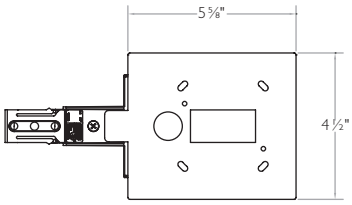
26099WH White
26099BBK Black

Live end suspended 120V



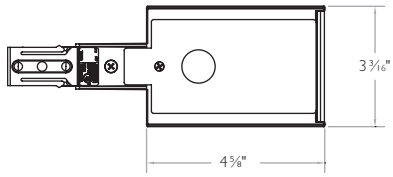
26S99WH White
26S99BK Black

Live end canopy 277V



37099WH White
37099BK Black

Live end suspended 277V



37S99WH White
37S99BK Black

Example calculation

A 20-foot installation of ProSpec track is fitted with three 59 watt* T5 fluorescent wall washers. Under Title 24 the larger of the following two calculations will be used to quantify the total energy consumption of the system, regardless of the actual consumption.

3 fixtures X 59 watts/fixture = 177 actual watts; or 45 watts X 20 feet of track = 900 "default" watts.

By code the energy consumption of the system will default to the larger of the above two values, or 900 watts. Since the actual power consumption is 177 watts, a total of 723 watts (900-177) of lighting potential is forfeited.

However, if a 2.5A/300W PowerTrip kit is installed the code allows the following.

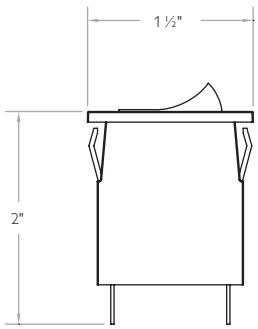
300 PowerTrip watts – 177 actual watts = 123 watts

By using PowerTrip only 123 watts of lighting potential is forfeited versus 723 watts without. PowerTrip "saves" 600 watts (723-123, or 900-300).

The above calculation is for example only. Philips Lightolier only warrants that PowerTrip breaker modules will perform as rated. Local authorities have jurisdiction over code interpretation and enforcement. The codes outlined here are current as of this printing. Local and municipal codes may vary and/or change without notice.

*Total input watts of ballast.

PowerTrip plug-in breaker modules



		Amps	120V	227V
PSP9AWH/BK	White/black	9.0A	1080W	2493W
PSP10AWH/BK	White/black	10.0A	1200W	2770W
PSP1AWH/BK	White/black	1.0A	120W	277W
PSP11AWH/BK	White/black	11.0A	1320W	3047W
PSP12AWH/BK	White/black	12.0A	1440W	3324W
PSP2AWH/BK	White/black	2.0A	240W	554W
PSP25AWH/BK	White/black	2.5A	300W	692W
PSP3AWH/BK	White/black	3.0A	360W	831W
PSP4AWH/BK	White/black	4.0A	480W	1108W
PSP5AWH/BK	White/black	5.0A	600W	1385W
PSP6AWH/BK	White/black	6.0A	720W	1662W
PSP7AWH/BK	White/black	7.0A	840W	1939W
PSP75AWH/BK	White/black	7.5A	900W	2077W
PSP8AWH/BK	White/black	8.0A	960W	2216W

Consult factory for custom ratings.

Short circuit current rating (AIC): 1kA

Architectural feature lighting

Section 3

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Reliable, flexible solutions for integrating lighting sources into the built environment.

Contents

Clikstrip > 3.3
Clikstrip +Plus > 3.24
Clikstrip CLM wet location > 3.30
Linear wet location > 3.34
CoveLite > 3.45
PTS7 > 3.48
PTS5 > 3.50
PTS8 > 3.51

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Clikstrip

Clikstrip features

- Fully versatile, high output, small dimension light source
- Constructed of high temperature PES (polyethersulfone) extrusion – premier quality for long lasting, trouble-free installations
- White or black finish
- Conforms to concave or convex curved profiles (minimum radius 10" /254 mm)
- Clip finish: high reflective Nickel Plated
- Lamps click into place for a secure fit and positive electrical connection
- listed for Class I wiring installations
- listed with xenon gas filled lamps from 3 watts to 10 watts
- listed with LED Elements available in warm, neutral, and cool white that are energy efficient, and fit into festoon lamp holders
- Dimmable (xenon, 0-100%; LED, 10%-100%)
- Supplied with lamps pre-installed for job site labor savings
- Has a full 25 amp power capacity allowing for the longest length or highest load of continuous uninterrupted lighting, 40 amp busway reduces voltage drop
- Available in any length and lamp spacing to your specifications for complete customization, up to a 16' maximum length or until 300 watts on a 12 volt system or 600 watts on a 24 volt system is reached
- Lampholder inserts provide additional means to hold MR (35 watt max)
- Broad selection of aluminum extrusions, reflectors and covers to improve performance or expand the applications
- See the LuxBar and CLM fixture sections for further Clikstrip innovations

Typical uses

Architectural wall and ceiling slots, coves, showcases, cabinets, shelves, baseboards, cornices, casework, elevators, railings, staircases, kitchens, workstations, exterior building facades and signage.

Ease of installation

Clikstrip is designed for easy installation:

- **Cutting -** Clikstrip may be ordered factory cut to any size or may easily be field cut with hand tools.
- **Mounting -** Metal clips are supplied for attaching Clikstrip, or double-sided foam tape is available for press-in-place applications using 5 watt or lower lamps.
- **Powering -** Insulated screw-down terminals provide quick and easy power connection; no need to bother with loose crimp-on connectors.
- **Lamping -** Clikstrip is shipped with lamps factory-installed to eliminate time consuming job site lamp insertion.
- **Instructions -** Complete installation instructions accompany all shipments.

Clikstrip product series specification

Materials specification

Extrusion: recognized PES (polyethersulfone) with a thermal deflection temperature of 397°F.

Conductors: Solid hard drawn copper.

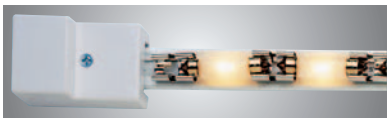
Terminal block: recognized part made with nylon (insulator polyamide) casing with nickel-plated brass contacts.

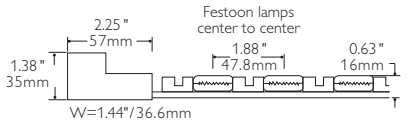
Junction box: High impact ABS.

Lampholder clips: Tempered spring steel finished in bright nickel.

Series

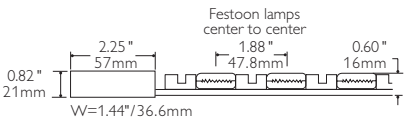
CLK Series Class I remote transformer





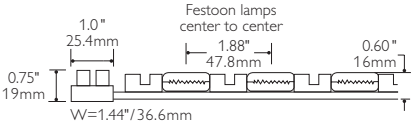
CLK Series has a half inch knock out and is good for all applications.

CRK Series Class I remote transformer



CRK Series is residential only and only where ROMEX wiring is to code. Some residential installations require BX wiring which requires a CLK Series.

CLX Series Clikstrip enclosure required



CLX Series by itself is not listed. It is listed when used with the AE or LE series extrusions. For listing, AE or LE series must be specified with all three components, extrusion, lens, and end caps. CLX is supplied in Clikstrip versions of the LuxBar system as well as the totally enclosed CLM Wet Location fixtures.
Refer to pages 3.30 -3.33

Mounting

T - Tape: Double-sided tape is provided for easy affixing to any surface. For additional anchoring, tape mounting can be used with strips containing lamps of 5 watts or less.

F - Flat mounting clips:
Flat mounting clips elevate Clikstrip 3/16" (6mm) above the mounting surface and provide sufficient air space for higher wattage lamps. Clips are included for mounting Clikstrip on 12" (305mm) increments. Mounting clips must be used with strips containing lamps of greater than 5w. Additional flat mounting clips may be ordered by using catalog number MCF. For strips to be mounted in extrusions, use the F designation only (cannot be tape mounted).

Extrusion color

Your choice of strip finishes include white for optimum light reflection or black for concealment.

White strip with chrome clips

Black strip with chrome clips

Ordering information quick order - new quick ordering sequence

To specify a complete catalog number, choose one item from the selection available in each module.

SCL – [ ] – [ ]

Ordering code

SCL
Clikstrip standard

Length

1-16 ft.
1 foot increments

Lamp

M	**H**	**X**
Micro-Watt LED	Hi-Performance LED	Xenon
2800°K 24v 0.6w	2800°K 24v 1w	Frosted 24v 5w

Clikstrip standard configuration is as follows

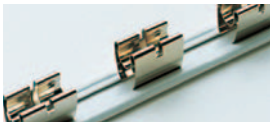
Clikstrip CLK Series
Flat mounting clips
White extrusion
Chrome standard profile lamp clips
Specified length, above, in feet (see CLK/CRK)
Lengths by line for exact dimensions
Standard 1⅞" on center spacing
Specified lamp, above

Lamp clips

Standard profile lamp clips (C in chrome) are compatible with all festoon lamps of 5w or less, including LED Elements. Standard profile clips are also used with halogen inserts.

Xenon festoon lamps in 10w require a high-profile festoon lamp clip (A). Lamps of lower wattage may also use these taller clips for a distinctive look.

Lamp clip standard profile chrome



Lamp clip high profile chrome

For other product variations, please use the more versatile full Clikstrip ordering sequence, page 3.5

Clikstrip product series specification

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: CLK-FWC-022.0-S-XF45

Ordering Code

Series

CLK	**CRK**	**CLX**
Commercial	Residential	Extrusion (see pages 304-307 for details)

Mounting

F	**T**
Flat	Tape (5 watt max)

Finish

W	**B**
White	Black

Large clip

C	**A**
Chrome standard festoon	Chrome hi-profile festoon

Length

003.7 - 192.0
as inches.eighths, in 1/8" increments
(see Clikstrip lengths by lamp, page 3.7)

Spacing

S	**A**	**CXX**	**EXX**
Standard 1 7/8" OC	Alternate 3 3/4" OC	Custom on center (specify C dimension)	Evenly spaced (specify # of lamps)

Lamping

Standard lamps

	No Lamp	**Xenon clear**	**Xenon frosted**
12v 3w	**0000**	**XC23**	**XF23**
12v 5w	**0000**	**XC25**	**XF25**
12v 10w	**0000**	**XC21***	**XF21***
24v 3w	**0000**	**XC43**	**XF43**
24v 5w	**0000**	**XC45**	**XF45**
24v 10w	**0000**	**XC41***	**XF41***

* 10W lamps require Hi-Profile (A) lamp clips, above

LED Elements

	No Lamp	Micro-watt LED 2800°K	Micro-watt LED 3500°K	Micro-watt LED 5000°K	Hi-performance LED 2800°K	Hi-performance LED 3500°K	Hi-performance LED 5000°K
12v 0.6w	**0000**	**M6220**	**M6320**	**M6520**			
24v 0.6w	**0000**	**M6240**	**M6340**	**M6540**			
24v 1w no lens	**0000**				**H1240**	**H1340**	**H1540**
24v 1w 12° lens	**0000**				**H1241**	**H1341**	**H1541**
24v 1w 50° lens	**0000**				**H1242**	**H1342**	**H1542**

See complete specifications in Lamps, pages 3.10-3.13.

Option

F2**
Additional 1/2" copper for short-range connections

**See page 3.6 for additional information.
Additional j-box or terminal block required and ordered separately.

Clikstrip product series specification

Materials specification

Length

Clikstrip is available in lengths up to 192", depending on lamp selection and series. Sizes are available in one-lamp increments, to the eighth of an Inch. See Dimensions, page 3.7. Lengths are expressed in Inches. Eighths, in three characters for the Inches and one character for the Eighths.

Example: 12 3/4" = 012.6

Use the following chart for fractions

Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000"	.0	1/2"	.500"	.4
1/8"	.125"	.1	5/8"	.625"	.5
1/4"	.250"	.2	3/4"	.750"	.6
3/8"	.375"	.3	7/8"	.875"	.7

Lamp spacing: center-to-center

Spacing for Clikstrip lamps can be specified in a number of configurations. The most common are:

S Standard 1 ⅞" O.C. common with festoon lamps
* For reflector halogen lamp inserts (HIF) use 1 ⅞" O.C. lamp spacings. See page 3.14 for halogen lamp insert information.

A Alternate 3 ¾" O.C. common with festoon & looped lamps

C Custom spaced lamps; call out dimension as CXX
Example: 8" On Center = C08

E Evenly spaced lamp spacing; call out number of lamps as EXX,
Example: 15 lamps evenly spaced = E15

Standard spacing

Alternate spacing

1 to 1 ratio

For even illumination it is recommended to space the lamps equally on-center to the distance Clikstrip is mounted away from the wall. Example: If Clikstrip is mounted 3¾" away from the wall you can achieve even illumination if the lamps are spaced 3¾" O.C.

Lamping

Select from three different light sources, available in a variety of voltage and wattage combinations.

Festoon lamps are available in Xenon, Micro-Watt LED, and Hi-Performance LED. See Lamps, page 3.12 for complete selection available.

Halogen inserts are available for MR lamps (HIF Series). See page 3.14.

What is the F2 option for Clikstrip and when do I use it?

The F2 option is added at the end of any Clikstrip catalog number and directs the factory to assemble the strip with ½" (13mm) of exposed copper conductors at the end, ready to accept any of the low voltage junction boxes or terminal blocks. This is done so that an approved connection can be made to another strip.

The appropriate junction box or terminal block is ordered separately and can be found below. Approved building wire must be used between the junction boxes. A minimum of 12 gauge wiring is recommended.

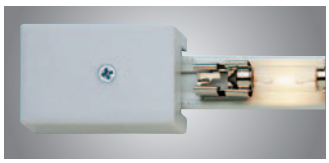
The first or lead strip needs this set up. The second strip is ordered as a standard strip. If you are connecting more than two strips together, each strip except the last one requires the F2 option and appropriate junction box. Remember, all strips connected together become one strip electrically and must be treated as such when selecting transformers and fusing. Because of the additional connections made, we recommend you limit the overall combined connected length of the strips to 14' (4.0 meters) and do not exceed an overall load of 25 amps. Use the F2 option when you have many short runs of Clikstrip, for instance, under kitchen cabinets, shelves, or to turn a corner.

F2 option
shown with junction box
(ordered separately, uninstalled)

Junction boxes

CLK Series

A910340-BK	CLK J-box	Black
A910350-WH	CLK J-box	White



CRK Series

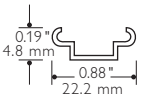
A910410-BK	CRK J-box	Black
A910420-WH	CRK J-box	White

CLX Series

TB	Terminal box	White

Clikstrip parts

MCF Flat mounting clip for Clikstrip.



MCF (flat)

Clikstrip product series specification

For Clikstrip Item number designation, use the appropriate Ordering Length column

CLK/CRK

SAE			Lamps		SAE			Lamps	
Nominal feet	Actual length	Ordering length	Std S	Alt A	Nominal feet	Actual length	Ordering length	Std S	Alt A
1 Ft S	11.000"	011.0	4		9 Ft S/A	106.625"	106.5	55	28
2 Ft A	20.375"	020.3	9	5	10 Ft A	117.875"	117.7	61	31
2 Ft S	22.250"	022.2	10		10 Ft S	119.750"	119.6	62	
3 Ft S/A	35.375"	035.3	17	9	11 Ft A	129.125"	129.1	67	34
4 Ft S/A	46.625"	046.5	23	12	11 Ft S	131.000"	131.0	68	
5 Ft A	57.875"	057.7	29	15	12 Ft A	140.375"	140.3	73	37
5 Ft S	59.750"	059.6	30		12 Ft S	142.25"	142.2	74	
6 Ft A	69.125"	069.1	35	18	13 Ft S/A	155.375"	155.3	81	41
6 Ft S	71.000"	071.0	36		14 Ft S/A	166.625"	166.5	87	44
7 Ft A	80.375"	080.3	41	21	15 Ft A	177.875"	177.7	93	47
7 Ft S	82.25"	082.2	42		15 Ft S	179.750"	179.6	94	
8 Ft S/A	95.375"	095.3	49	25	16 Ft A	189.125"	189.1	99	50
					16 Ft S	191.000"	191.0	100	

CLX

SAE			Lamps		SAE			Metric		Lamps	
Nominal feet	Actual length	Ordering length	Std S	Alt A	Nominal feet	Actual length	Ordering length	Nominal meters	Actual length	Std S	Alt A
1 Ft S	11.375"	011.3	5	3	9 Ft A	105.125"	105.1		2670MM	55	28
2 Ft S/A	22.625"	022.5	11	6	9 Ft S	107.000"	107.0		2718MM	56	
3 Ft A	33.875"	033.7	17	9	10 Ft A	116.375"	116.3	3 M S/A	2956MM	61	31
3 Ft S	35.750"	035.6	18		10 Ft S	118.250"	118.2	3.5 M A	3432MM	71	36
4 Ft A	45.125"	045.1	23	12	11 Ft S/A	131.375"	131.3	3.5 M S	3480MM	72	
4 Ft S	47.000"	047.0	24		12 Ft S/A	142.625"	142.5				

CLX

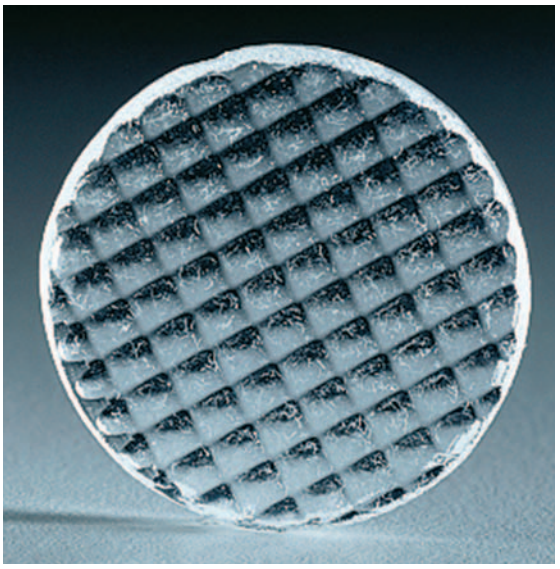
SAE			Metric		Lamps		SAE			Metric		Lamps	
Nominal feet	Actual length	Ordering length	Nominal Meters	Actual Length	Std S	Alt A	Nominal feet	Actual length	Ordering length	Nominal meters	Actual length	Std S	Alt A
5 Ft A	56.375"	056.3	1.5 M A	1432MM	29	15	13 Ft A	153.875"	153.7	4 M A	3908MM	81	41
5 Ft S	58.250"	058.2	1.5 M S	1480MM	30		13 Ft S	155.750"	155.6	4 M S	3956MM	82	
6 Ft S/A	71.375"	071.3		1813MM	37	19	14 Ft A	165.125"	165.1		4194MM	87	44
7 Ft S/A	82.625"	082.5		2099MM	43	22	14 Ft S	167.000"	167.0		4242MM	88	
8 Ft A	93.875"	093.7	2.5 M S/A	2480MM	51	26	15 Ft A	176.375"	176.3	4.5 M S/A	4480MM	93	47
8 Ft S	95.750"	095.6					15 Ft S	178.250"	178.2		4528MM	94	
							16 Ft S/A	191.375"	191.3	5 M A	4861MM	101	51
										5 M S	4909MM	102	

Actual length for nominal feet

Actual length for nominal meters

Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8	.000	.0	1/2	.500	.4
1/8	.125	.1	5/8	.625	.5
1/4	.250	.2	3/4	.750	.6
3/8	.375	.3	7/8	.875	.7



Lamps, accessories low voltage power supplies

Lamps

Ardee Lighting's range of lamps for low voltage applications and wide selection of halogen and low wattage metal halide lamps provide solutions for most accent and display projects.

- LED elements for Clikstrip
- Metal halide
- Xenon festoon and looped lamps for Clikstrip

Accessories

Enhance appearance of light quality with Ardee Lighting's wide selection of glass lenses, color filters and shielding louvers.

- Diffusing lenses
- Linear spread lenses
- UV filter lenses
- Color lenses
- Honeycomb louvers

Lamps, accessories low voltage power supplies

Low voltage power supplies

Ardee Lighting's selection of remote mounted transformers will supply low voltage power for all applications. From premium toroidal power supply centers to standard magnetic and electronic transformers, all the material you need to complete your specification is included for trouble-free installation and operation of your system.

How to specify

Determine the total wattage by adding the wattages of all lamps in each circuit, specify the transformer accordingly. Where several circuits will be powered by a single transformer, add the combined wattages for all circuits.

Fuses

Divide the total circuit wattage by the operating voltage to determine the amperage; round up to the nearest size fuse.

Lamps

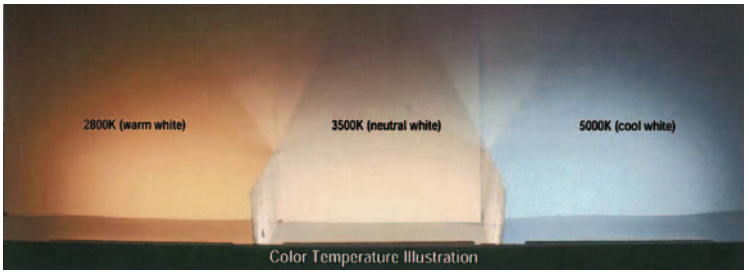
Specification

Specifying light and color

How we see colors depends on the color of the lamp source. Clikstrip can accept economical light sources, such as xenon and halogen, providing a balanced color spectrum, as well as brightly colored lamps to create playful moods. Micro-Watt and High-Performance LED Elements are available in warm, neutral, and cool Color Temperatures for virtually any application. The photos below indicate what each light source looks like when illuminated.

Specify lamp type to be installed at the factory

Xenon Festoon
2800K, 10,000-
20,000 hrs



LED - 2800-5000K
up to 60,000 hrs

Select the lamp type that best illuminates the application

Festoon lamps available with clear envelopes to provide sharp, crisp light, or frosted envelopes for a soft widespread wash of light.

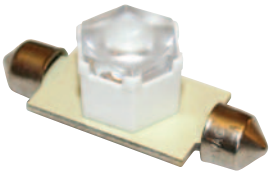
Festoon clear

Festoon frosted

LED Elements
Micro-Watt LED

High-performance
LED no lens

High-performance
LED with focusing lens



Lamps

Festoon & LED elements

Festoon lamps

12 Volt xenon 2800° K 10,000 hours

XC23	3 watt	12 volt	clear	26 lumens
XF23	3 watt	12 volt	frosted	24 lumens
XC25	5 watt	12 volt	clear	46 lumens
XF25	5 watt	12 volt	frosted	40 lumens
XC21	10 watt	12 volt	clear	102 lumens
XF21	10 watt	12 volt	frosted	90 lumens

24 Volt xenon 2800° K 10,000 hours

XC43	3 watt	24 volt	clear	26 lumens
XF43	3 watt	24 volt	frosted	24 lumens
XC45	5 watt	24 volt	clear	46 lumens
XF45	5 watt	24 volt	frosted	40 lumens
XC41	10 watt	24 volt	clear	102 lumens
XF41	10 watt	24 volt	frosted	90 lumens

Note: Xenon 10 watt festoon lamps require an A (chrome tall) lamp clip designation in the Clikstrip part number.

LED Elements

MWL Series

12 Volt micro-watt LED 50,000 hours

MWL-6A-282	0.6 watt	12 volt AC	2800K	15 lumens
MWL-6A-352	0.6 watt	12 volt AC	3500K	14 lumens
MWL-6A-502	0.6 watt	12 volt AC	5000K	15 lumens

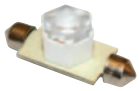
24 Volt micro-watt LED 50,000 hours

MWL-6A-284	0.6 watt	24 volt AC	2800K	21 lumens
MWL-6A-354	0.6 watt	24 volt AC	3500K	20 lumens
MWL-6A-504	0.6 watt	24 volt AC	5000K	21 lumens

HPL Series

24 Volt hi-performance LED 60,000 hours

HPL-1A-284-0-00	1 watt	24 volt AC	2800K	36 lumens
HPL-1A-354-0-00	1 watt	24 volt AC	3500K	35 lumens
HPL-1A-504-0-00	1 watt	24 volt AC	5000K	48 lumens



HPL Series with Focusing Lens

24 Volt hi-performance LED 60,000 hours with 12° focusing lens

HPL-1A-284-1-12	1 watt	24 volt AC	2800K	36 lumens
HPL-1A-354-1-12	1 watt	24 volt AC	3500K	35 lumens
HPL-1A-504-1-12	1 watt	24 volt AC	5000K	48 lumens

24 volt hi-performance LED 60,000 hours with 50° focusing lens

HPL-1A-284-1-50	1 watt	24 volt AC	2800K	36 lumens
HPL-1A-354-1-50	1 watt	24 volt AC	3500K	35 lumens
HPL-1A-504-1-50	1 watt	24 volt AC	5000K	48 lumens

* For LED Elements only, a different part number is used in the Clikstrip ordering sequence, as follows:

12 Volt micro-watt LED		24 Volt micro-watt LED		24 Volt hi-performance LED		24 Volt hi-performance LED with 12° focusing lens		24 Volt hi-performance LED with 50° focusing lens	
MWL-6A-282	**M6220**	MWL-6A-284	**M6240**	HPL-1A-284-0-00	**H1240**	HPL-1A-284-1-12	**H1241**	HPL-1A-284-1-50	**H1242**
MWL-6A-352	**M6320**	MWL-6A-354	**M6340**	HPL-1A-354-0-00	**H1340**	HPL-1A-354-1-12	**H1341**	HPL-1A-354-1-50	**H1342**
MWL-6A-502	**M6520**	MWL-6A-504	**M6540**	HPL-1A-504-0-00	**H1540**	HPL-1A-504-1-12	**H1541**	HPL-1A-504-1-50	**H1542**

Lamps

Halogen and metal halide

For use in Clikstrip with HIBLC, HIBLF

Bare halogen lamps 3000° K 3,000 hours

5H2	5 watt	12 volt	G4	60 lumens
5H2X	5 watt	12 volt	G4 frosted	55 lumens
10H2	10 watt	12 volt	G4	140 lumens
10H2X	10 watt	12 volt	G4 frosted	130 lumens

For use in Clikstrip with HIB

Xenon gas filled lamps 2800° K 10,000 hours

5X2	5 watt	12 volt	45 lumens
8X2	8 watt	12 volt	75 lumens
10X2	10 watt	12 volt	100 lumens
20X2	20 watt	12 volt	200 lumens
5X4	5 watt	24 volt	40 lumens
8X4	8 watt	24 volt	70 lumens
10X4	10 watt	24 volt	95 lumens
20X4	20 watt	24 volt	200 lumens

For use in Clikstrip with HIF, HIFB

MR-8 3050° K 2,000 hours

20MRL2S	20 watt	12 volt	enclosed MR-8	10° spot
20MRL2F	20 watt	12 volt	enclosed MR-8	23° medium spot
35MRL2S	35 watt	12 volt	enclosed MR-8	10° spot
35MRL2F	35 watt	12 volt	enclosed MR-8	23° medium spot

For use in Clikstrip with HIF, HIFB

MR-11 3000° K 3,000 hours

20RL4S	20 watt	24 volt	enclosed MR-11	12° spot
20RL4M	20 watt	24 volt	enclosed MR-11	19° medium spot
20RL4F	20 watt	24 volt	enclosed MR-11	30° flood
35RL4S	35 watt	24 volt	enclosed MR-11	13° spot
35RL4M	35 watt	24 volt	enclosed MR-11	19° medium spot
35RL4F	35 watt	24 volt	enclosed MR-11	30° flood

12R2S	12 watt	12 volt	MR-11	7° spot
20R2S	20 watt	12 volt	MR-11	10° spot
20R2M	20 watt	12 volt	MR-11	20° medium flood
20R2F	20 watt	12 volt	MR-11	30° flood
35R2S	35 watt	12 volt	MR-11	10° spot
35R2M	35 watt	12 volt	MR-11	20° medium flood
35R2F	35 watt	12 volt	MR-11	30° flood
12RL2S	12 watt	12 volt	enclosed MR-11	7° spot
20RL2S	20 watt	12 volt	enclosed MR-11	10° spot
20RL2M	20 watt	12 volt	enclosed MR-11	17° medium flood
20RL2F	20 watt	12 volt	enclosed MR-11	30° flood
35RL2S	35 watt	12 volt	enclosed MR-11	8° spot
35RL2F	35 watt	12 volt	enclosed MR-11	20° flood

For use in Clikstrip with HIFS, HIFSB

MR-16 3000° K 3,000 Hours

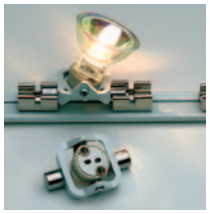
20RML4S	20 watt	24 volt	enclosed MR-16	12° spot
20RML4F	20 watt	24 volt	enclosed MR-16	36° flood
35RML4S	35 watt	24 volt	enclosed MR-16	12° spot
35RML4M	35 watt	24 volt	enclosed MR-16	24° medium spot
35RML4F	35 watt	24 volt	enclosed MR-16	36° flood
20RM2S	20 watt	12 volt	MR-16	12° spot-ESX
20RM2F	20 watt	12 volt	MR-16	36° flood-BAB
35RM2S	35 watt	12 volt	MR-15	8° spot-FRB
35RM2M	35 watt	12 volt	MR-15	18° medium spot-FRA
35RM2F	35 watt	12 volt	MR-16	38° flood-FMW
20RML2S	20 watt	12 volt	encl. MR-16	12° spot-ESX/C
20RML2F	20 watt	12 volt	encl. MR-16	36° flood-BAB/C
35RML2F	35 watt	12 volt	encl. MR-16	8° spot-FRB/C
35RML2M	35 watt	12 volt	encl. MR-16	18° medium spot-FRA/C
35RML2F	35 watt	12 volt	encl. MR-16	38° flood-FMW/C
20RM2FS	20 watt	12 volt	MR-16	36° silver coated
20RM2FW	20 watt	12 volt	MR-16	36° white coated
20RML2FS	20 watt	12 volt	encl. MR-16	36° silver coated
20RML2FW	20 watt	12 volt	encl. MR-16	36° white coated

Lamp accessories

Halogen inserts, cowls, lens holders, & lamp accessories

Inserts ordering information

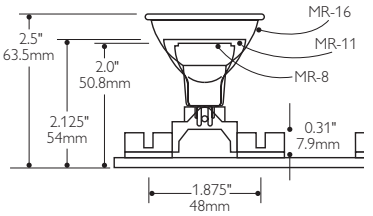
Inserts allow the use of reflector style halogen lamps in place of festoon lamps. Order Clikstrip units with festoon lamp spacings for halogen inserts or make simple adjustments on site. Inserts in the HIF Series are listed for use with enclosed halogen lamps or with cowl attachments in listed Clikstrip.



HIF Multi-directional insert sized for use in standard festoon lamp spacing, for use with MR-8, MR-11 or MR-16 lamps (35w max) – white.

HIFB Multi-directional insert sized for use in standard festoon lamp spacing, for use with MR-8, MR-11 or MR-16 lamps (35w max) – black.

HIF / HIFB



Reflector style halogen lamps in combination with festoon lamps

	MR-8	MR-11	MR-16
Lamp cowl, black	–	LCS	LCL
Lamp cowl, satin aluminum	–	LCSA	LCLA
Louver and lens holder, black	LCNMB	LCNSB	LCNB
Louver and lens holder, mill bright	LCNM	LCNS	LCN
Conical lamp back cover, black	MLBCB	CCSB	CCLB
Conical lamp back cover, mill bright	–	CCSA	CCLA
Perforated lamp	–	PCSB	PCLB
Back cover, black			
Perforated lamp	–	PCSA	PCLA
Back cover, mill bright			
Anti-glare snoot, black	MLGSB	GSSB	GSLB
Anti-glare snoot, mill bright	–	GSSA	GSLA
Clear lens	LMCL	LSCL	LLCL
Frosted lens	LMFR	LSFR	LLFR
Anti-UV lens	LMUV	LSUV	LLUV
Heavy spread lens	LMHS	LSHS	LLHS
Linear spread lens	LMLS	LSLS	LLLS
Diffusing lens	LMDF	LSDF	LLDF
Blue lens	LMBL	LSBL	LLBL
Red lens	LMRD	LSRD	LLRD
Green lens	LMGR	LSGR	LLGR
Yellow lens	LMYL	LSYL	LLYL
45° honeycomb louver	LM45	LS45	LL45

LCNB

LCNB W/ PCLB

LCNB W/ GSLB

LCNB W/ CCLB

LCN

LCN W/ CCLA

LCN W/ GSLA

LCN W/ PCLA

LCLA

LCSA

LCNS

LCNSB

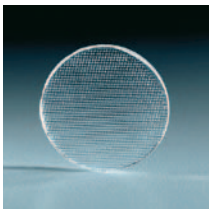
LCN & LL45

LCS

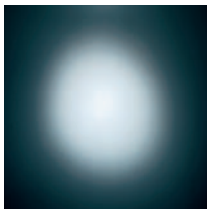
Refer to page 3.13 for lamp and page 3.15 for lens ordering information.

Lamp accessories

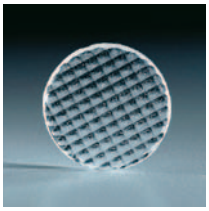
Halogen inserts, cowls, lens holders, & lamp accessories



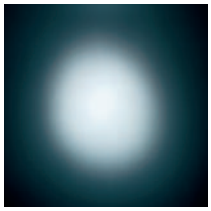
Diffusing lens



20w MR-16 10° +LLDF



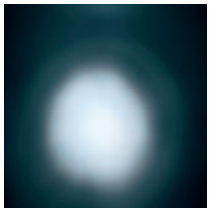
Heavy spread lens



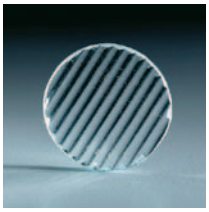
20w MR-16 10° +LLHS

Color filters

Clear lens

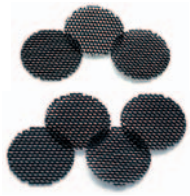


20w MR-16 10° +LLCL

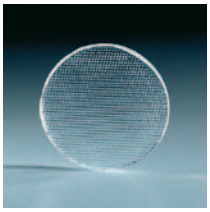


Linear spread lens

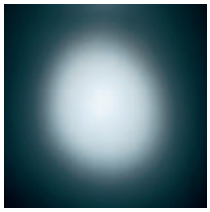
20w MR-16 10° +LLLS



45° Honeycomb louver

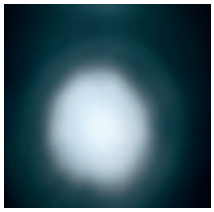


Frosted lens



20w MR-16 10° +LLFR

UV Filter



20w MR-16 10° +LLUV

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Series

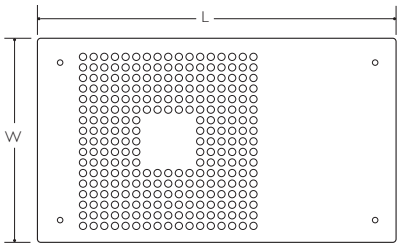
LM	LS	LL
MR8	MR11	MR16

Lens

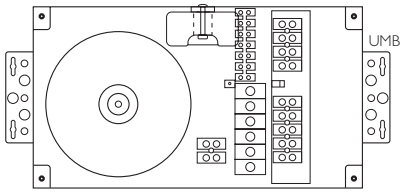
CL	FR	UV	HS	LS	DF	45	BL	RD	GR	YL
Clear	Frosted	Anti-UV	Heavy spread	Linear spread	Diffusing	45° Louver	Blue	Red	Green	Yellow

Low voltage power supplies

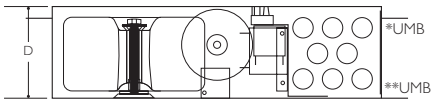
T-Series transformers



Front view



Inside view



Side view

T-Series premium toroidal power supply centers for optimal low voltage lighting performance

Housing
18 gauge welded steel measuring 14.5"L x 8.0"W x 4.0"D (T1200 measures 17.0" L x 14.5"W x 4.0"D) with 21 knockouts and a barrier plate. Brackets (UMB – Universal Mounting Bracket) included to secure housing to a 2x4 wall stud for recess wall mounting or to surface mount. Door measures 15.5"L x 9.0"W (T1200 door 15.5"L x 18.0"W).

Multi-volt & taps
The power supply center comes standard with five primary taps to provide secondary voltages of: 12V, 13V, 14V, and 15V or 24V, 26V, 28V, and 30V. Loads may be connected to one of the primary taps up to the full wattage rating of the PSC. The advantage is that loads at varying distances from the PSC can be tapped to recover voltage drop and produce between 85-100% light output.

Primary circuit protection
All units come with both a primary magnetic circuit breaker and a primary auto-reset thermal protector, which is built into the transformer. This thermal protector will temporarily disconnect the primary if the transformer overheats due to an overload or saturation from a faulty dimmer. Voltage drop calculator slide rule available on our web site: www.ardeelighting.com.

Secondary circuit protection
Protected by up to 6 magnetic circuit breakers (up to 15 on the T1200). Breaker sized to feed load per N.E.C. Article 411 (not to exceed 25 amps per load). All wiring by the electrical contractor must be Class I compliant to N.E.C. Secondary breakers available in 5A, 10A, 15A, 20A, and 25A.

Toroidal choke
A choke or "debuzzing coil" option reduces noise and in-rush current. A choke is especially helpful when dimming, to achieve quiet operation.

Compliances
UL low voltage fixture power supply center. Surface mount for wall or ceiling, or recessed mount for wall only. Internally protected. Suitable for use in closets with clothes in direct contact, or in insulated spaces with direct contact.

Ordering information

Sample catalog number: T150-120-12-3x05-CHS

To specify a complete catalog number, choose one item from the selection available in each module.

Ordering Code

T [ ] – [ ] – [ ] – [ ] x [ ] – [ ]

Series

T
Toroidal transformer

Wattage

150	300	450	600	750	1200
150 watts	300 watts	450 watts	600 watts	750 watts	1200 watts

Primary power supply

120	230	277
120 volts	230 volts	277 volts

Secondary voltage

12	24
12 volts	24 volts

Circuit breaker quantity

1-6	1-15
up to 750w	up to 1200w

Specify quantity for each amperage, from lowest amperage to highest.
Repeat as needed with circuit breaker amperage.

Circuit breaker amperage

05	10	15	20	25
5 amp	10 amp	15 amp	20 amp	25 amp

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Optional choke

CHS	CHL	CHXL
Up to 300w	450-750w	Up to 1200w

Warning
All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Low voltage power supplies

800 Series transformers

800 Series best value!

The 800 Series power supply center's economical toroidal transformers incorporate a multivolt feature ensuring proper voltage to the lamp, even on a dimmed circuit. The multivolt feature also permits the Power Supply to be mounted farther away from the fixtures without sacrificing light output.

Features

- 800 Series power supply centers produce precise voltage regulation to prevent over or under driving a lamp. This maintains proper lamp output, color, and lamp life.
- More energy efficient than standard electromagnetic core and coil transformers and therefore generate less heat.
- Can be loaded to their capacity, no need to de-rate the load as in other transformers. This will reduce the number of transformers on a project as well as improve your low voltage system under Title 24.

Housing & mounting

18 gauge welded steel (dimensions in chart) with 3, 5, and 9 knockouts/circuit breaker slots. Built-in mounting bracket is designed for easy installation for both 6 planes of surface mounting and suspension by two 1/4" threaded rods. Standard finish is white powder coat.

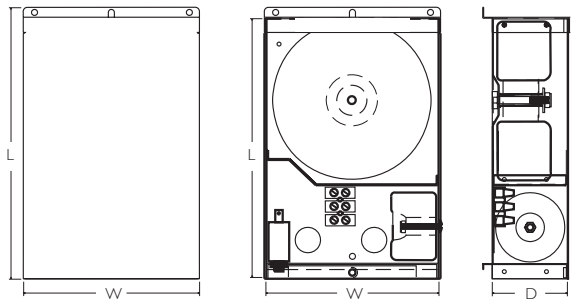
Secondary circuit

Protected by up to 9 magnetic circuit breakers. Appropriate size to the feed load per N.E.C. Article 411 (not to exceed 25 amps per load). All wiring by a certified electrical contractor must be Class compliant to N.E.C. Chapter 3. Available in 5A, 10A, 15A, 20A, and 25A. Must specify Quantity and Amperage for each breaker.

Toroidal choke

A choke or "debuzzing coil" comes standard on every 800 Series unit to reduce noise and in-rush current.
Note: Not required for 50W & 100W transformers.

Sample catalog number: 800-0100-120-12-1x10



Front view | Inside view | Side view

Dimension key					
Transformer	**L**	**W**	**D**	**Weight**	**CB Slots**
50w	8.63"	5.75"	3.1"	7 lb	3
100w	8.63"	5.75"	3.1"	8 lb	3
150w	8.63"	5.75"	3.1"	9 lb	3
300w	8.63"	5.75"	3.1"	11 lb	3
600w	11.0"	7.0"	4.5"	19 lb	5
900w	15.0"	10.0"	5.25"	35 lb	9
1200w	15.0"	10.0"	5.25"	40 lb	9
1500w	15.0"	10.0"	5.25"	45 lb	9
1800w	15.0"	10.0"	5.25"	55 lb	9

Toroidal transformer - dual tap (DT)

The 800 Series power supply center utilizes two primary taps (12V, 12.5V or 24V, 25V). Loads may be connected to one of the primary taps up to the full wattage rating of the power supply center. The advantage is that the PSC can be tapped to recover voltage drop and produce between 85%-100% light output. See voltage drop calculator, page 122. Available in 120 and 277 volt primary. Consult factory for 230V and 50Hz.

Ordering code

800 – ☐ – ☐ – ☐ – ☐ x ☐

Series

800
Toroidal transformer

Wattage

0050	**0100**	**0150**	**0600**	**0900**	**1200**	**1500**	**1800**
50 watts	100 watts	450 watts	600 watts	950 watts	1200 watts	1500 watts	1800 watts

Primary power supply

120	**230**	**277**
120 volts	230 volts	277 volts

Secondary voltage

12	**24**
12 volts	24 volts

Circuit breaker quantity

1-3	**1-5**	**1-9**
50-150w	300-600w	900-1800w

Specify quantity for each amperage, from lowest amperage to highest.
Repeat as needed with circuit breaker amperage.

Circuit breaker amperage

05	**10**	**15**	**20**	**25**
5 amp	10 amp	15 amp	20 amp	25 amp

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Warning
All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Low voltage power supplies

TW Series transformers

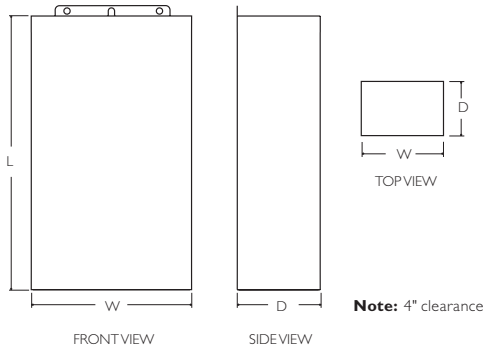
TW Series magnetic transformers

TW Series remote transformers convert available 120 or 240 volt 60 Hz primary power supply to 12 or 24 volts for fixture operation. TW750 and smaller transformers are suitable for 230 volt 50 Hz. TW Series transformers are dimmable using dimmers compatible with magnetic transformers and are UL listed and cULus certified. Remote transformers require appropriate secondary overcurrent protection. This can be achieved by secondary fuses and fuseholders or by use of a secondary low voltage breaker box. TW Series transformers should be de-rated by 20%.

Voltage drop is a key issue in low voltage system wiring. To ensure minimal voltage drop to your system, refer to the appropriate chart, for the transformer chosen, to determine wire size based on load and distance. The voltage drop chart for TW Series transformers can be found on page 3.20.

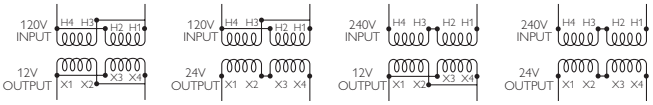
All TW Series transformers require separate secondary overcurrent protection. This can be provided by fuses and fuseholders (see below) or by breaker boxes, page 3.19. Order separately.

Dimension key				
Transformer	**L**	**W**	**D**	**Weight**
TW50	5.82"	3.19"	2.75"	4 lb
TW100	6.5"	4"	3.69"	5 lb
TW150	6.5"	4"	3.75"	7 lb
TW250	7.25"	4"	4"	10 lb
TW500	7.75"	4.5"	4.25"	15 lb
TW750	8.38"	4.75"	4.75"	19 lb
TW1000	9.125"	5.5"	5.25"	23 lb
TW1500	10.25"	5.5"	5.25"	32 lb
TW2000	11.75"	5.5"	5.38"	39 lb



Note: 4" clearance required all sides

Transformer wiring diagrams



Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: TW150

Ordering code

Series

TW
Magnetic transformer

Wattage

50	**100**	**150**	**250**	**500**	**750**	**1000**	**1500**	**2000**
40 watts max	80 watts max	120 watts max	200 watts max	400 watts max	600 watts max	800 watts max	1200 watts max	1600 watts max

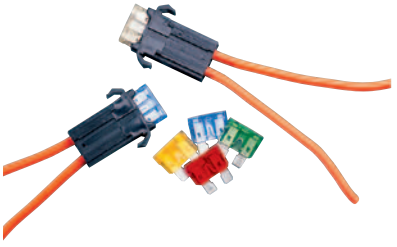
Warning

All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Fuses and holders

All low voltage circuits must be protected with in-line fuses properly sized to the load.

ILH30	In-line fuse holder, 30 amp capacity		
FP5	5 amp fuse	**FP20**	20 amp fuse
FP10	10 amp fuse	**FP25**	25 amp fuse
FP15	15 amp fuse	**FP30**	30 amp fuse



Low voltage power supplies

Breaker boxes & electronic transformers

Breaker boxes

Listed low voltage breaker boxes provide a convenient and easy way to handle multiple low voltage circuits. From one transformer low voltage power is brought from the transformer to the breaker box where wiring can be easily installed to screw down style contacts. Each circuit is protected by a resettable circuit breaker. Specify circuit breaker size when ordering.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.
Sample catalog number: BB632-3x10

Ordering code

BB – ☐ – ☐ – ☐ – ☐ X ☐

Series

BB
Low voltage breaker box

Maximum amperage

6 50 amp
8 80 amp

Number of breakers

2 (50 amp)
3 (either)
4 (80 amp)
5 (80 amp)
6 (80 amp)
7 (80 amp)
8 (80 amp)

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Secondary voltage

2 12 volts
4 24 volts

Circuit breaker quantity

1-3 50 amp box
1-8 80 amp box

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker amperage.

Circuit breaker amperage

05 5 amp
10 10 amp
15 15 amp
20 20 amp
25 25 amp

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Low voltage power supplies

Voltage drop charts

800 Series voltage drop

800 Series 24V voltage drop chart

S or D	TAP	AWG.	Volts @5'	Volts @10'	Volts @15'	Volts @20'	Volts @25'	Volts @30'	Volts @35'	Volts @40'	Volts @45'	Volts @50'	Volts @55'	Volts @60'
S	#1	#10	24.2	24.0	23.7	23.5	23.2	22.9	22.7	22.4	22.2	21.9	21.6	21.4
S	#1	#8	24.3	24.2	24.0	23.9	23.7	23.6	23.4	23.2	23.1	22.9	22.8	22.6
S	#2	#10	25.3	25.1	24.8	24.6	24.3	24.0	23.8	23.5	23.3	23.0	22.7	22.5
S	#2	#8	25.4	25.3	25.1	25.0	24.8	24.7	24.5	24.3	24.2	24.0	23.9	23.7
D	#2	#10	24.2	24.0	23.7	23.5	23.2	22.9	22.7	22.4	22.2	21.9	21.6	21.4
D	#2	#8	24.3	24.2	24.0	23.9	23.7	23.6	23.4	23.2	23.1	22.9	22.8	22.6

800 Series 12V voltage drop chart

S or D	TAP	AWG.	Volts @5'	Volts @10'	Volts @15'	Volts @20'	Volts @25'	Volts @30'	Volts @35'	Volts @40'	Volts @45'	Volts @50'	Volts @55'	Volts @60'
S	#1	#10	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9	9.7	9.4	9.1
S	#1	#8	12.1	11.9	11.8	11.6	11.5	11.3	11.2	11.0	10.8	10.7	10.5	10.4
S	#2	#10	12.5	12.3	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9	9.7
S	#2	#8	12.6	12.5	12.3	12.2	12.0	11.8	11.7	11.5	11.4	11.2	11.1	10.9
D	#2	#10	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9	9.7	9.4	9.1
D	#2	#8	12.1	11.9	11.8	11.6	11.5	11.3	11.2	11.0	10.8	10.7	10.5	10.4

Warning
Supplying greater than 24 volt or 12 volt to the low voltage lighting fixture will increase heat and greatly reduce lamp life.

Note: T-Series transformer voltage drop calculator is available as a slide-rule on the Ardee Lighting web site located in the Gear section.

TW Series voltage drop (secondary wire lengths in feet)

Chart shows secondary wire lengths in feet for low voltage circuits to provide a max. 6% voltage drop

Watts	12 Volt systems				24 Volt systems			
	14Awg	12Awg	10Awg	8Awg	14Awg	12Awg	10Awg	8Awg
5	288	457	728	1155	575	914	1456	2310
10	144	229	364	578	288	457	728	1155
12	120	190	303	481	240	381	607	963
20	72	114	182	289	144	229	364	578
35	41	65	104	165	82	131	208	330
40	36	57	91	144	72	114	182	289
50	29	46	73	116	58	91	146	231
60	24	38	61	96	48	76	121	193
80	18	29	46	72	36	57	91	144
100	14	23	36	58	29	46	73	116
120	12	19	30	48	24	38	61	96
140	10	16	26	41	21	33	52	83
150	10	15	24	39	19	30	49	77
160	9	14	23	36	18	29	46	72
180	8	13	20	32	16	25	40	64
200	7	11	18	29	14	23	36	58
220	7	10	17	26	13	21	33	53
240	6	10	15	24	12	19	30	48
250	6	9	15	23	12	18	29	46
260	6	9	14	22	11	18	28	44
280	5	8	13	21	10	16	26	41
300	5	8	12	19	10	15	24	39
320					9	14	23	36
340					8	13	21	34
350					8	13	21	33
360					8	13	20	32
380					8	12	19	30
400					7	11	18	29
420					7	11	17	28
440					7	10	17	26
460					6	10	16	25
480					6	10	15	24
500					6	9	15	23
520					6	9	14	22
540					5	8	13	21
560					5	8	13	21
580					5	8	13	20
600					5	8	12	19

Low voltage power supplies

Basic installation rules

Basic installation rules

These drawings depict the most common, and/or the standard wiring, for our TW Series magnetic and 800 Series toroidal transformers. (Or other standard magnetic remote transformers.) A few rules to follow for wiring of Clikstrip:

1. With low voltage and remote transformers, secondary overcurrent protection is required.

This is accomplished three ways –

- **a.** fusing the secondary as shown
- **b.** breaker box or transformer with integral breakers used (our 800 Series and T Series power supplies)
- **c.** electronic transformers have overcurrent protection integral to the unit

2. Wire gauge is sized by amperage.

3. The lower the voltage, the higher the amperage.

4. On a single pole, 20A circuit breaker in the panel, the maximum capacities are as follows –

- **a.** 1920W max. at 24V
- **b.** 960W max. at 12V

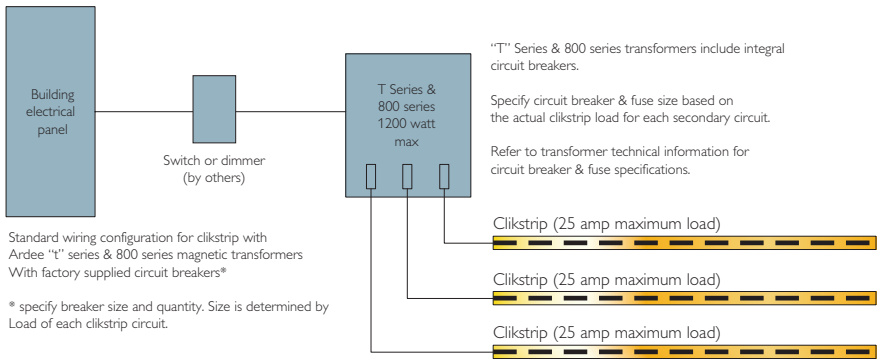
5. On a single pole, 15A circuit breaker in the panel, the maximum capacities are as follows:

- **a.** 1440W max. at 24V
- **b.** 720W max. at 12V

6. TW Series magnetic transformers must be derated 20%.

7. Our 800 Series, T Series power supplies, and electronic transformers don't require derating.

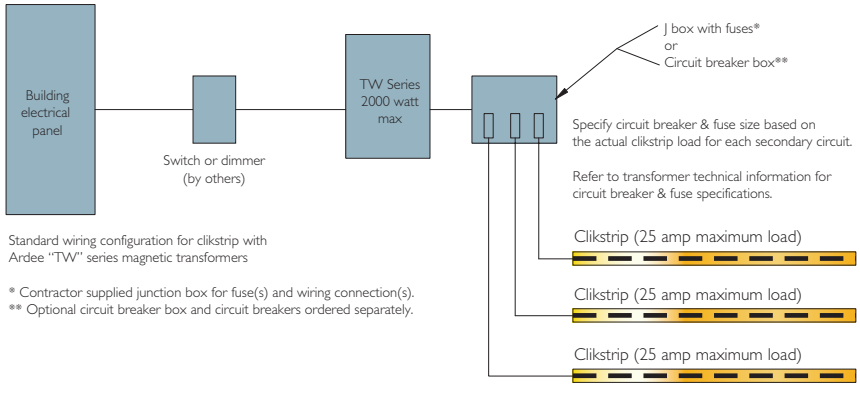
T Series & 800 series transformer wiring diagram



Standard wiring configuration for clikstrip with Ardee "t" series & 800 series magnetic transformers With factory supplied circuit breakers*

* specify breaker size and quantity. Size is determined by Load of each clikstrip circuit.

TW Series transformer wiring diagram



Standard wiring configuration for clikstrip with Ardee "TW" series magnetic transformers

* Contractor supplied junction box for fuse(s) and wiring connection(s).
** Optional circuit breaker box and circuit breakers ordered separately.

Warning

All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Clikstrip

Fundamentals of Clikstrip

Why Clikstrip outperforms other fixtures

Feature	Benefit
High temperature PES extrusion	Long lasting for trouble-free installations
Flexible extrusion	Conforms to concave or convex layouts with minimum 10" radius
Heavy-gauge solid copper busway	Full 25 amp capacity allowing long lengths with minimal voltage drop
Tempered and plated lamp holders	Provides secure fit and positive electrical connection
Accepts a variety of lamps and accessories	Enables designers to create a wide variety of lighting effects

Which goes where

CLK Series Class I remote transformer

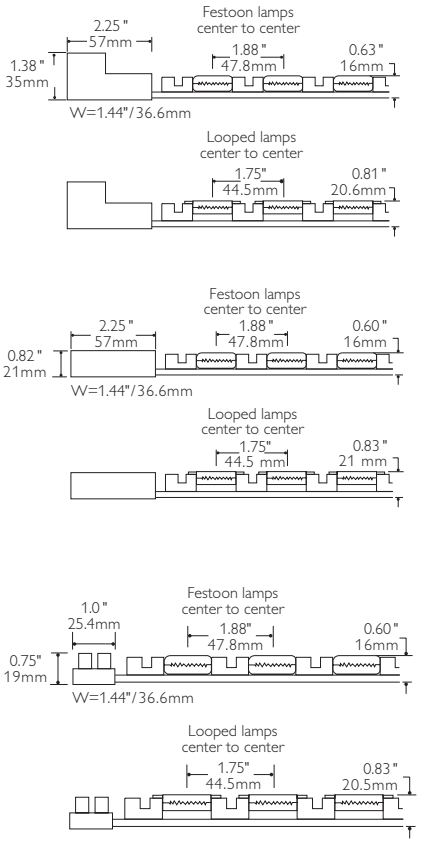
CLK Series has a half inch knock out and is good for all applications.

CRK Series Class I remote transformer

CRK Series is residential only and only where ROMEX wiring is to code. Some residential installations require BX wiring which requires a CLK Series.

CLX Series Clikstrip enclosure required

CLX Series by itself is not listed. It is listed when used with the AE or LE Series extrusions. For listing, AE or LE Series must be specified with all three components: extrusion, lens, and end caps. CLX is supplied in Clikstrip versions of the LuxBar system as well as the totally enclosed CLM/CLW Wet Location fixtures.



Why specifying a 24-volt system is better than a 12-volt system

- The strip can be twice as long
- The distance from the transformers can be twice as far
- Fewer powerfeeds
- Less voltage drop
- More capacity on each circuit breaker in the panel

Applications

Cove

In a typical cove application, Clikstrip can be viewed as the "filament" and the cove as your fixture. A larger cavity size provides a larger reflective surface, increasing the amount of light emitting from the cove.

A larger size cove also allows the lamp images to effectively blend, creating a smoother light. A 1-to-1 ratio of center lamp spacing is required for optimum blending. Standard spacing (1 ⅞" O.C.) should have a set back of approximately 2" from the surface to avoid a spotty appearance. Alternate spacing (3 ¾" O.C.) requires a 4" set back from the surface to avoid the appearance of gaps in the lighting layout.

Under cabinet

All light sources generate heat, even fluorescent and LED, so adequate clearance and protection of wood and other heat-affected surfaces is important.

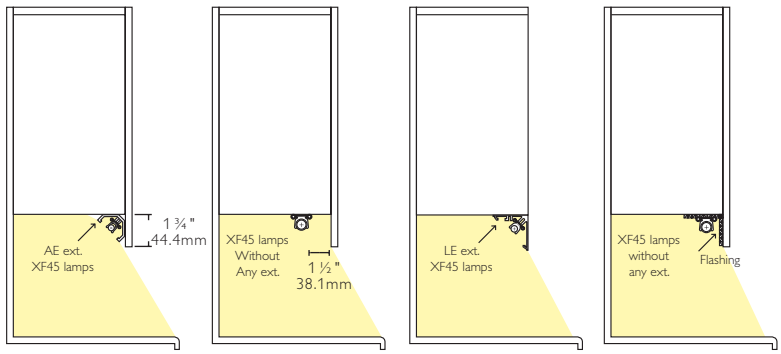
All other installations

Due to lamp heat, clearances, height, width, depth, fixture orientation, material (shelving, case, millwork, etc.), whether open or enclosed, you should submit additional project details for correct application recommendations.

Clikstrip

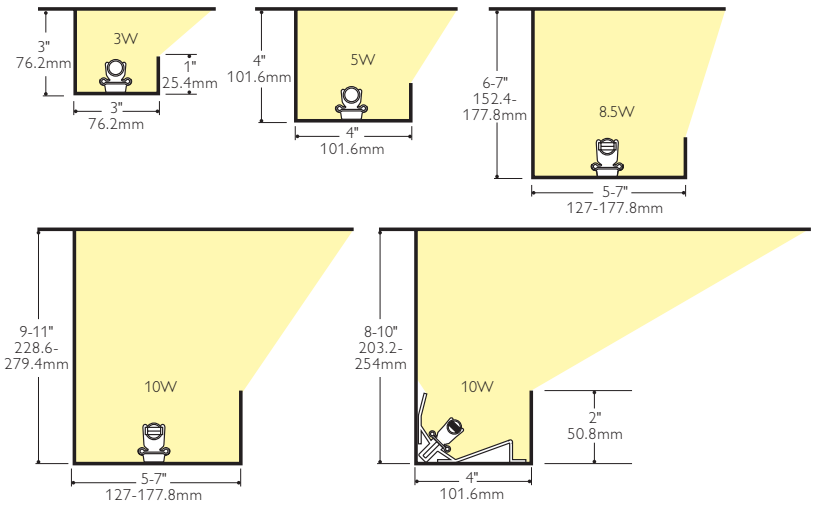
Fundamentals of Clikstrip

Suggested installations

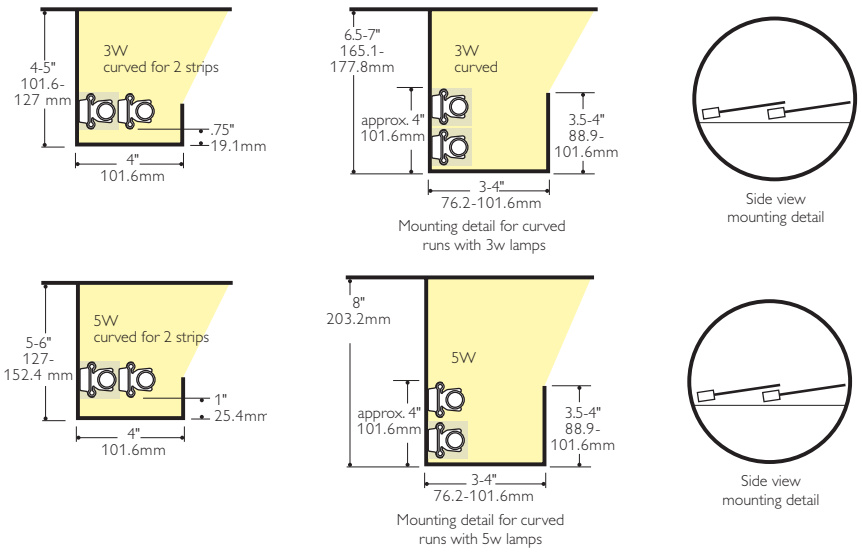


Under cabinet detail
Not to scale

Typical straight cove application
Not to scale
(These sizes can be decreased by using extrusions or flashing the surrounding surfaces)



Typical curved cove application
Not to scale
(These sizes can be decreased by using extrusions or flashing the surrounding surfaces)



Mounting detail for curved runs with 3w lamps

Mounting detail for curved runs with 5w lamps

Heat

Halogen light sources generate heat which must be considered in selecting and designing installation areas. Allowances must be made for sufficient heat dissipation to avoid possible damage to surrounding materials. Ardee recommends spacing Clikstrip away from combustible material as follows:

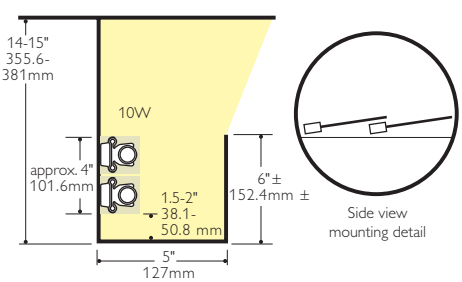
1-3 watt lamps	1" away
5 watt lamps	1.5 - 2" away
10 watt lamps	3" away

Ardee Advantage LED Elements have a minimum clearance of ¼".

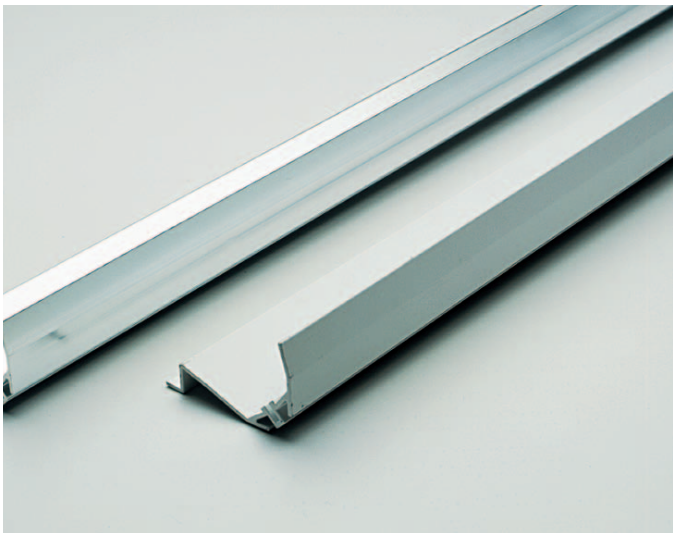
LED Elements (MWL.6A, HPL.1A): 1.5" total width of cavity, which equals to .25" distance on each side.

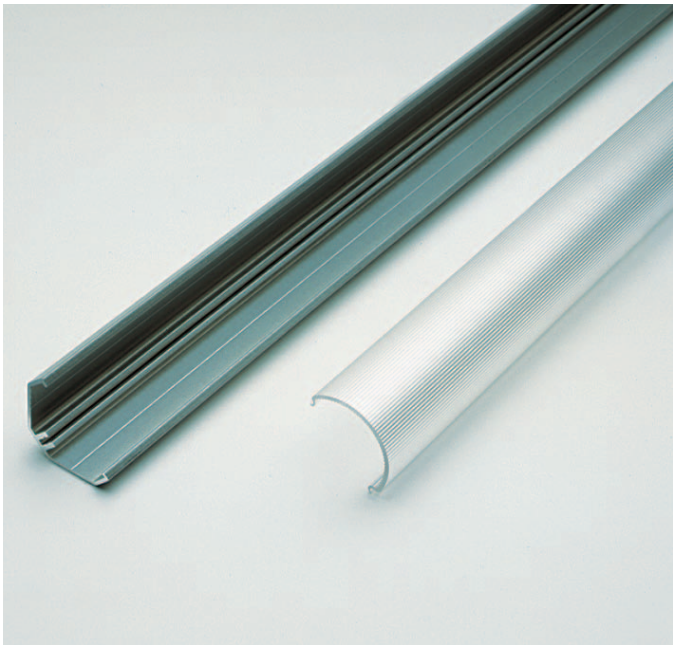
Note

Clikstrip with 5 watt or less lamps can be mounted directly to combustible materials, adhering to clearance requirements. Clikstrip over 5 watts must be mounted in an extrusion, on metal surfaces, or other non-combustible surfaces. Flashing can be used.



Mounting detail for curved runs with 10w lamps





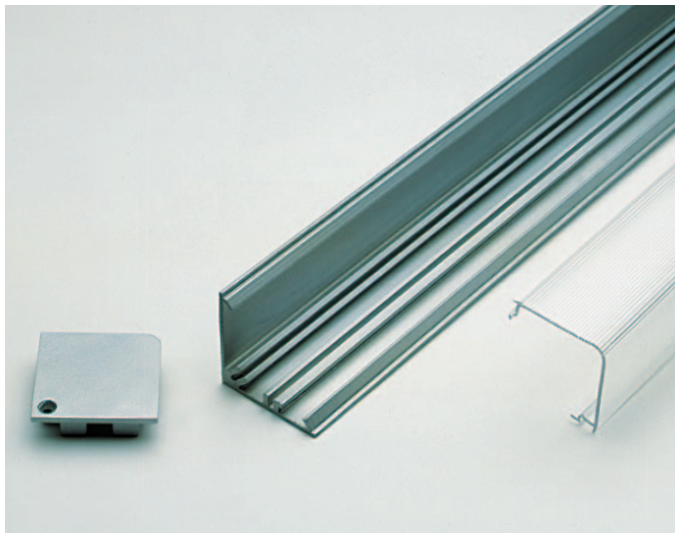
Clikstrip +Plus: extrusions, reflectors, and covers

Clikstrip +Plus is a full line of extruded products designed to integrate seamlessly with Clikstrip. These extrusions offer a variety of installation options for design flexibility without sacrificing light output. Also included in this line are reflectors and covers tailor-made for Clikstrip.

Features

multiple-use (linear 90°), designed for use under shelves, as a free standing fixture, or for any application where an extrusion is desired, can be used with or without optional lenses. Use the lens to protect lamps from contact with hands or merchandise or when lamps are visible. Die cast aluminum endcaps provide a finished appearance.

- **AE Series** multiple-use (linear angled 90°) is angled to redirect the light from the strip and install cleanly in a corner. It may also be used as a free standing fixture to integrate into any design. Endcaps and lenses are available for completely enclosed applications.

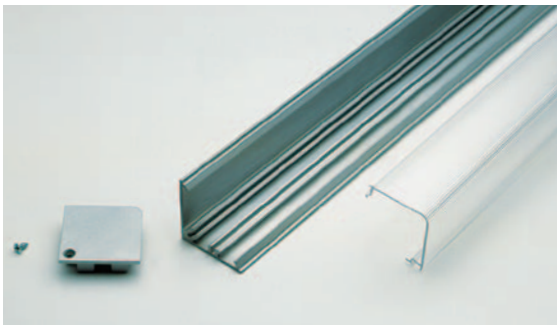


Features

- **EE Series** aluminum extrusions provide a forward throw of light from a low profile elliptical shaped extrusion, and are often used in coves to illuminate ceilings.

- **PR Series** reflectors in pre-finished, parabolic-inspired, linear aluminum reflectors are designed to focus light from festoon or looped lamps up, down, or vertically and may be combined with any series of Clikstrip.

- **PC Series** polycarbonate covers are available in clear or frosted and are ideal to provide a shield against lamp contact. Meant to be used without an extrusion, these covers may be used with any lamp of 5 watts or less, and are supplied with mounting clips and screws.



Clikstrip

Clikstrip +Plus LE series

LE Series

Designed for use under shelves, as a freestanding fixture, or anywhere an extrusion is desired, the LE Series aluminum extrusions can be used with or without the optional lenses. Use the lens to protect lamps from contact with hands or merchandise or when the lamps are visible. Die cast aluminum endcaps provide a finished appearance.

- 90° angle extrusion with optional accessory lens and endcaps
- Extruded aluminum, 6063 T5 alloy with integral screw slot to accept Clikstrip
- Available in lengths up to 10 feet/3.5 meters
- Satin anodized and powdercoat painted finishes
- Easily field cut or can be supplied in any specified length
- Accepts CLK and CRK Series (10 watts max. – no lens), ordered separately
- Accepts CLX Series (5 watts max. with lens), use standard low profile lamp clips and festoon lamps only, all ordered separately
- For use with festoon lamps, halogen inserts, and LED elements
- Suitable for use in damp locations
- Accepts PR Series reflectors, ordered separately
- Optional die cast aluminum end caps include 1/2" IP knockout
- Optional 90° angle snap-in fit extruded clear acrylic lens with internal diffusing ribs, 4' (1220mm) maximum length
- c SP us listed for use with CLK and CRK Series when specified without lens
- c SP us listed for use with CLX Series when specified with lens and end caps

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. Specify optional lenses and endcaps separately.

CPLE – ☐ – ☐

Ordering code

CPLE
Clikstrip +Plus Linear 90°Extrusion

Length

012.0 - 120.0
12" to 120" in 12" increments
(Field cuttable. Contact factory for custom lengths.)

Finish

SA	**WH**	**BK**	**BZ**	**GD**
Satin aluminum	White	Black	Bronze	Gold

Optional lens ordering information

CPLELN – ☐

Ordering code

CPLELN
Clikstrip +Plus Lens for Linear 90°Extrusion

Length

012.0 - 048.0
(Contact factory for custom lengths.)

Optional endcaps ordering information

CPLEEC – ☐

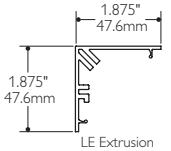
Ordering code

CPLEEC
Clikstrip +Plus endcaps for linear 90° extrusion

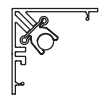
Finish

SA	**WH**	**BK**	**BZ**	**GD**
Satin Aluminum	White	Black	Bronze	Gold

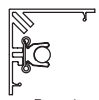
SA WH BK BZ GD



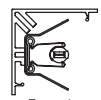
LE Extrusion



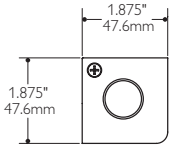
Extrusion w/low profile Clikstrip angle mounted ordered separately



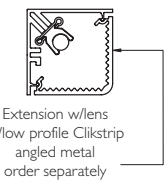
Extrusion w/low profile Clikstrip side mounted ordered separately



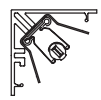
Extrusion w/PR reflector side mounted ordered separately



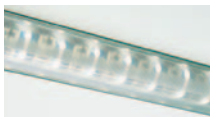
End cap



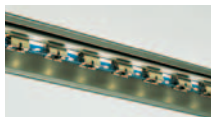
Extension w/lens w/low profile Clikstrip angled metal order separately



Extrusion w/PR reflector angle mounted ordered separately



LE Series w/ lens



LE Series w/o lens

Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2	.500	.4
1/8"	.125	.1	5/8	.625	.5
1/4"	.250	.2	3/4	.750	.6
3/8"	.375	.3	7/8	.875	.7

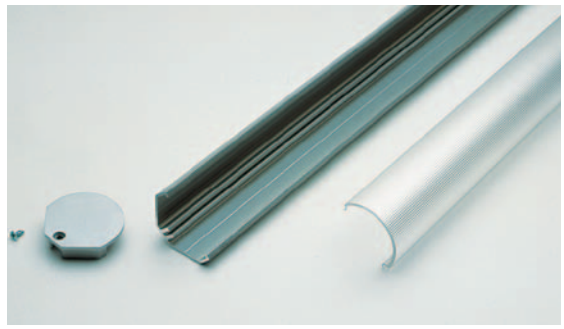
Clikstrip

Clikstrip +Plus AE series

AE Series

Designed for use under shelves, in corners, as a freestanding fixture, or whenever an angled extrusion is desired, the AE Series aluminum extrusions can be used with or without the optional lenses. Use the lens to protect lamps from contact with hands or merchandise or when the lamps are visible. Die cast aluminum end caps provide a finished appearance. A low profile extrusion design angled to redirect the light from the strip and install cleanly in a corner.

- Extruded aluminum, 6063 T5 alloy with built-in Clikstrip mounting platform, painted or anodized finishes available
- Available in lengths up to 10 feet/3.5 meters
- Easily field cut or can be supplied in any specified length
- Accepts CLK and CRK Series (10 watts max. – no lens)
- Accepts CLX Series (5 watts max. with lens), use standard low profile lamp clips and festoon lamps only, all ordered separately
- For use with festoon lamps, halogen inserts, and LED elements
- Accepts PR Series reflector, ordered separately
- c SP us listed for use with CLK and CRK Series when specified without lens
- c SP us listed for use with CLX Series when specified with lens and endcap
- Suitable for use in damp locations
- Optional die cast aluminum end caps include 1/2" IP knockout
- Optional extruded clear acrylic lens with internal diffusing ribs and snap-in fit



Ordering information

To specify a complete catalog number, choose one item from the selection available in each module. Specify optional lenses and endcaps separately.

CPAE – ☐ – ☐

Series

CPAE
Clikstrip +Plus linear 90° angled extrusion

Length

006.0 - 120.0
in 1' increments, as inches

Lamp

SA	WH	BK	BZ	GD
Satin aluminum	White	Black	Bronze	Gold

Optional lens ordering information

CPAELN – ☐

Ordering code

CPAELN
Clikstrip +Plus lens for linear 90° angled extrusion

Length

006.0 - 120.0
in 1' increments, as inches.

Optional endcaps ordering information

CPAEEC – ☐

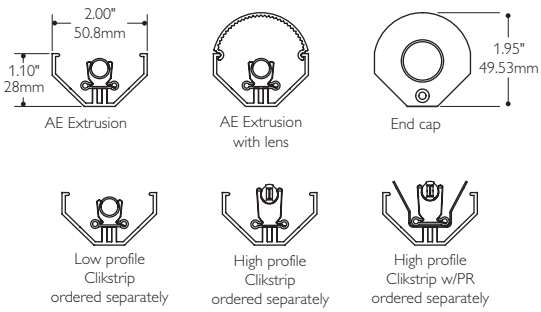
Ordering code

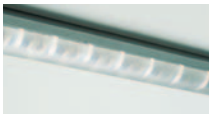
CPAEEC
Clikstrip +Plus endcaps for linear 90° angled extrusion

Finish

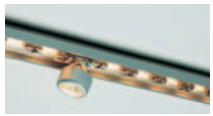
SA	WH	BK	BZ	GD
Satin Aluminum	White	Black	Bronze	Gold

SA WH BK BZ GD





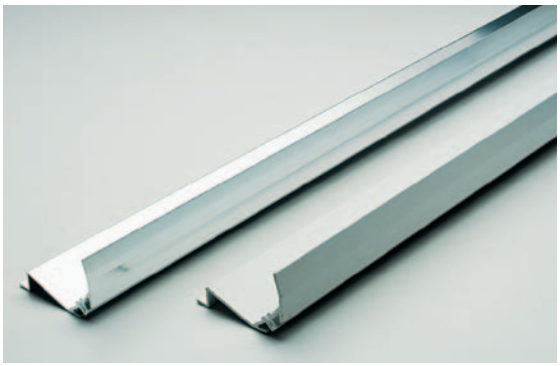
AE Series w/ lens



AE Series w/o lens

Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2	.500	.4
1/8"	.125	.1	5/8	.625	.5
1/4"	.250	.2	3/4	.750	.6
3/8"	.375	.3	7/8	.875	.7



Clikstrip

Clikstrip +Plus EE series

EE Series

Provides a forward throw of light from a low profile elliptical shaped aluminum extrusion. Use in coves to illuminate ceilings.

- Extruded aluminum, 6063 T5 alloy with integral screw slot, painted or anodized finish
- Available in lengths up to 10 feet/3 meters
- Easily field cut or can be supplied in any specified length
- For use with c SP us listed CLK and CRK Series with festoon lamps up to 10 watts
- Suitable for use in damp locations

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

CPEE – ☐ – ☐

Ordering code

CPEE
Clikstrip +Plus
elliptical extrusion

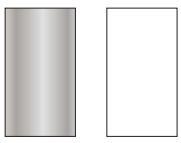
Length

012.0 - 120.0
12" to 120" in 12" increments
(Field cuttable. Contact factory for custom lengths.)

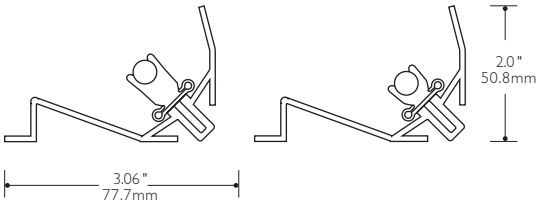
Lamp

AA
Anodized bright dip aluminum

WH
White



AA WH



High profile Clikstrip up to 10 watt

Low profile Clikstrip up to 5 watt

Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

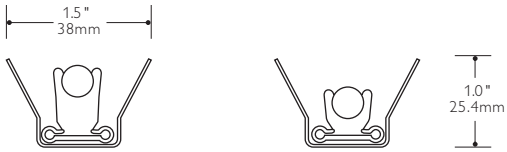
Clikstrip

Clikstrip +Plus reflectors & covers

PR Series

A pre-finished, parabolic-inspired, linear aluminum reflector designed to focus light from festoon lamps either up or down.

- Formed aluminum sheet stock with polished, specular finish
- Available in lengths up to 5 feet
- Easily field cut or can be supplied in any specified length
- Use with all Clikstrip series strips, ordered separately
- listed as a Low Voltage Lighting System when used with Clikstrip.



High profile clikstrip Low profile clikstrip

Note: Combine PR reflector with other Clikstrip extrusions to provide smooth accent light with festoon lamps.

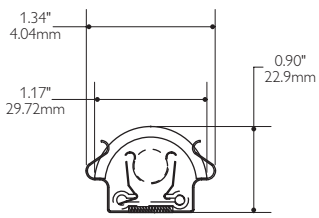
Fractional equivalents

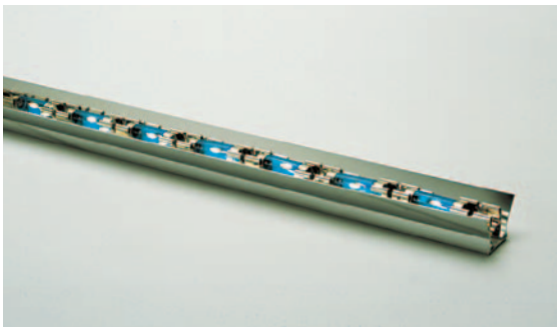
Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

PCC Series

Polycarbonate covers for Clikstrip are ideal to protect festoon lamps and provide a shield against lamp contact. These 1 3⁄16" O.D., ⅛" thick half tubes can be used with Clikstrip with lamps of 5 watts or less. Mounting clips are installed underneath Clikstrip, and are secured with a single screw. 5 watt festoon lamp maximum – tape mounted strip only.

Clear optics (PCC) available in any length in ⅛" increments from 6" to 10'. Frosted optics (PCF) available in any length in ⅛" increments from 6" to 5' MAX.





Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

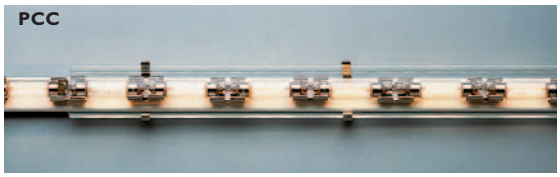
CPPR – ☐

Ordering Code

CPPR
Clikstrip +Plus parabolic reflector

Length

012.0 - 060.0
12" to 60" in 12" increments
(Field cuttable. Contact factory for custom lengths.)



Ordering Information

To specify a complete catalog number, choose one item from the selection available in each module.

☐ – ☐

Series

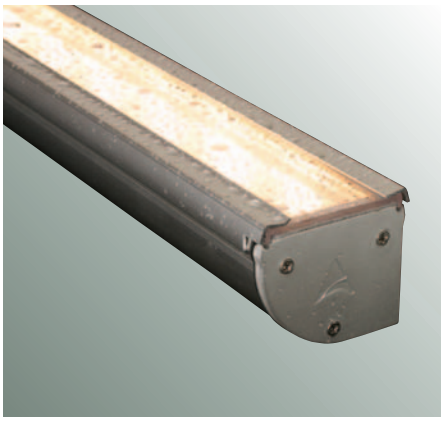
PCC
Clikstrip +Plus extrusion cover clear

PCF
Clikstrip +Plus extrusion cover frosted

Length

012.0 - 120.0
PCC (clear): 12" to 120 in 12" increments

012.0 - 060.0
PCF (frosted): 12" to 60" in 12" increments



CLM series

Clikstrip wet location

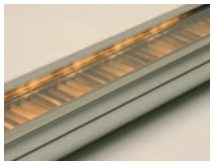
Clikstrip wet is a series of aluminum housings and trims designed to improve Clikstrip performance where the elements come into play.

CLM series

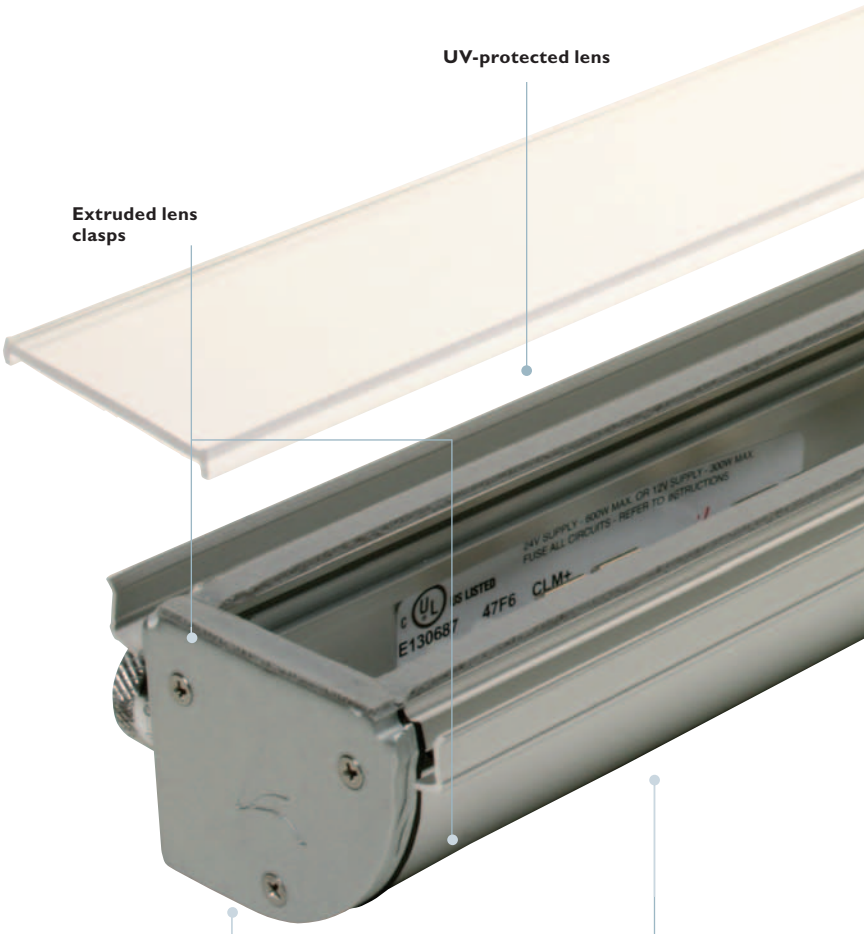
Clikstrip wet location

Features

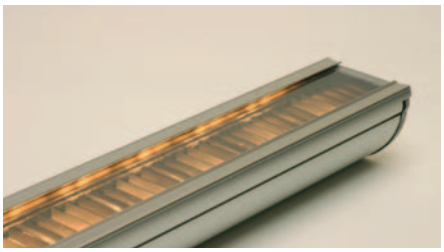
- Gasketed aluminum housings finished in satin anodized or painted. Blends well in all architectural environments.
- Gasketed stamped aluminum end plates maintain a water resistant enclosure.
- Extruded aluminum lens clasps. Permits servicing of the fixture by removing the lens without tools. Tamper-Proof Option available.
- UV-protected clear polycarbonate lens.
- Choice of mounting provides installation flexibility.
- Choice of shielding options with cross blade or longitudinal louvers.



- Delivered from factory with Clikstrip installed.
- Optional factory-installed parabolic lamp reflectors available.
- Requires remote power supply. Choice of four powerfeed locations.
- listed wet location rated for use with 10 watt max lamps in base up or base down position.



Note: Fluorescent versions available in the 105/115 Fluorescent Wet Series, see pages 3.36-3.43.



CLM series

Clikstrip wet location

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: CLM-XC23-S-036.0-C-BK-2-TP

Ordering code

CLM – [ ] – [ ] – [ ] – C – [ ] – [ ] – [ ] – [ ]

Series

CLM
Clikstrip mini wet

Lamping

Standard lamps

	No Lamp	Xenon clear	Xenon frosted
12v 3w	**0000**	**XC23**	**XF23**
12v 5w	**0000**	**XC25**	**XF25**
12v 10w	**0000**	**XC21**	**XF21**
24v 3w	**0000**	**XC43**	**XF43**
24v 5w	**0000**	**XC45**	**XF45**
24v 10w	**0000**	**XC41**	**XF41**

LED Elements

	No Lamp	Micro-watt LED 2800°K	Micro-watt LED 3500°K	Micro-watt LED 5000°K	Hi-performance LED 2800°K	Hi-performance LED 3500°K	Hi-performance LED 5000°K
12v 0.6w	**0000**	**M6220**	**M6320**	**M6520**			
24v 0.6w	**0000**	**M6240**	**M6340**	**M6540**			
24v 1w no lens	**0000**				**H1240**	**H1340**	**H1540**
24v 1w 12° lens	**0000**				**H1241**	**H1341**	**H1541**
24v 1w 50° lens	**0000**				**H1242**	**H1342**	**H1542**

Spacing

S Standard **A** Alternate

Length

024.0 - 120.0
in 1' increments, as inches.

Lens

C Clear

Finish

SA Satin aluminum
WH White
BK Black
GY Steel grey
BZ Bronze

Feed position*

1 Left end cap
2 Left back
3 Right back
4 Right end cap

*see Power feed location options, page 3.33.

Tamper-proof option

TP
Tamper-proof

Other options

CB
Cross-blade louver

LB
Longitudinal louver

SR*
Symmetrical reflector

CB-SR *
Cross-blade & symmetrical reflector

LB-SR*
Longitudinal & symmetrical reflector

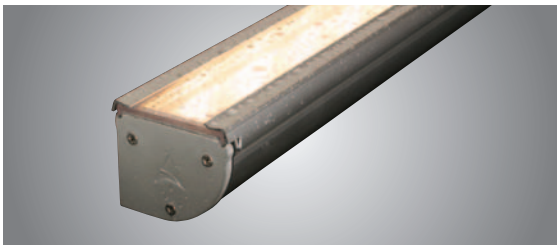
*SR, CB-SR, LB-SR reflector options for use with Xenon lamps only

Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

CLM series

Clikstrip wet location



CLM Series wet location

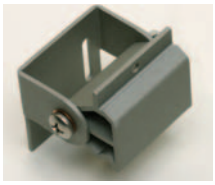
The CLM Series provide low voltage linear flood lighting for outdoor applications such as building facades, signage, pedestrian walkways and landscape illumination. The small scale, shallow profile aluminum extrusion houses Clikstrip and offers many options for outdoor as well as indoor lighting. Requires remote mount power supply. Ordered separately.

Features

- Extruded aluminum alloy housing available in your choice of a satin anodized aluminum finish or four standard powder coat painted colors.
- UV-protected polycarbonate lens with a flame rating UL F1. Lens is retained to the housing by linear extruded aluminum clasps. Tamper-proof housing available.
- Precision-formed, specular, symmetrical reflector standard with narrow 24° distribution available as an option.
- Extruded, specular parabolic profile reflector standard with narrow 24° distribution available as an option.
- Choice of rotatable wall mounting brackets or telescoping arms adjusting from 13 ⅜" to 17 ⅜" away from the wall to the center of the fixture. **Ordered separately.**
- c SP us listed wet location rated. Approved for either base up or base down mounting positions.
- Choice of power feed locations.

Mounting systems

CLM Series provides the choice of rotatable wall mount brackets or telescoping arm brackets. Both permit the fixture to securely clip in place.



Wall bracket

Telescoping wall mounting arm

Mounting systems ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: CLM-WA-SA

CLM – ___ – ___

Ordering code

CLM
Clikstrip wet

Mounting type

WA
Telescopic wall arm

WB
Wall mounting bracket

Lamp

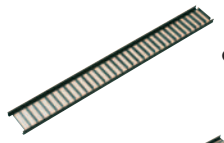
SA	**WH**	**BK**	**GY**	**BZ**
Satin aluminum	White	White	Steel grey	Bronze

Note: The recommended quantity of mounting brackets is illustrated in the following chart:

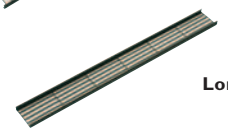
Fixture length	Quantity of brackets
1' - 4'	2
5' - 8'	3
9' - 10'	4

Optional louvers

Optional crossblade or longitudinal louvers are available in matte black when specified with CLM Series They will be fitted at the factory, but can easily be trimmed in the field.



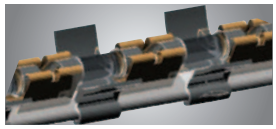
Cross-blade louver

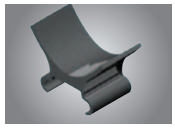


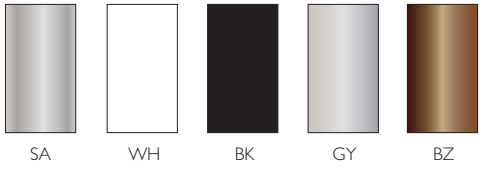
Longitudinal louver

Optional reflector

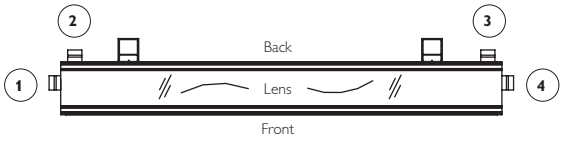
Choose a narrow 24° symmetrical parabolic lamp reflector for more control and added punch. Specular anodized aluminum individual lamp reflectors are factory installed.







SA WH BK GY BZ



Power feed location options top view

Specify one location

Linear wet location

Linear wet location: LED • Fluorescent • Xenon • HID

The Linear wet location series provides linear flood lighting for outdoor applications such as building facades, signage, pedestrian walkways and landscape illumination. The small scale, shallow profile aluminum extrusions house T-5 or T-5 high output lamps and ballasts, and offer many options for indoor lighting as well. The 105/115 Series fixture is supplied with integral electronic ballast, and the 110 Series offers several ballast choices, all with 3000°K lamp installed. Other lamp color temperatures available. Consult factory.

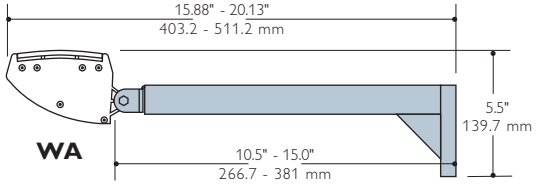
Features

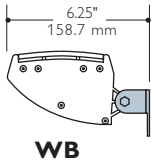
- Extruded aluminum alloy, 6063 T-5 housing available in your choice of a satin anodized aluminum finish or four standard powder coat painted colors.
- 105 Series offers a choice of UV-protected clear or ribbed polycarbonate lens. 110 and 115 Series are supplied with clear lens. Lens is retained to the housing by linear extruded clasps.
- Tamper-proof housing available.
- Precision-formed, specular finished, parabolic-shaped reflectors standard in the 105/115 Series. 110 Series offers a choice of three reflector styles.
- Choice of rotatable wall mounting brackets or telescoping arms adjusting from 13 ⅜" to 17 ⅜" away from the wall to the center of the fixture, **ordered separately.**
- c SP us listed wet location, 105/110: IP65 Rated; 115: IP64 Rated. 105/110/115 Series approved for either base-up or base-down mounting positions. 110 Series approved for vertical mounting.

105 Series

T-5 & T-5 HO fluorescent wet location

Mounting systems





Note: The recommended quantity of mounting brackets is illustrated in the following chart:

Fixture length	Quantity of brackets
1' - 4'	2
5' - 8'	3
9' - 10'	4

105 Series fixture length & standard lamping

T-5 lamps
24" housing with one (1) 14 watt lamp
36" housing with one (1) 21 watt lamp
48" housing with one (1) 28 watt lamp
60" housing with one (1) 35 watt lamp
72" housing with two (2) 21 watt lamps
96" housing with two (2) 28 watt lamps
120" housing with two (2) 35 watt lamps

T-5 HO lamps
24" housing with one (1) 24 watt lamp
36" housing with one (1) 39 watt lamp
48" housing with one (1) 54 watt lamp
60" housing with one (1) 80 watt lamp
72" housing with two (2) 39 watt lamps
120" housing with two (2) 80 watt lamps

Consult factory for custom housing lengths and lamp options.

Specifications

• Fluorescent linear lighting for wet locations.

Housing

• Extruded aluminum alloy, 10 feet/3.0 meters length max.
• High density closed cell foam gasket.
• Watertight flexible straight conduit fitting supplied for individual fixtures with powerfeeds 1 or 4; watertight flexible 90° conduit fitting supplied for individual fixtures with powerfeeds 2 or 3 and for all fixture systems (powerfeeds 5, 6, 7, 8).

Ballast

• Integral electronic, Intellivolt (120v-277v, 50/60 Hz) Class P, HPF, and thermally protected.
• Minimum start temperature 0°F.

Reflector

• Precision formed parabolic shape, .032" (.8mm) thick aluminum with polished finish.

Lens

• UV protected clear or ribbed polycarbonate with a UL F1 rating.
• Lens retained to housing by linear extruded clasps.

Lens clasps

• Extruded aluminum lens clasps permit servicing fixture by removing lens. Tamper-Proof Option may be selected.

End caps

• Stamped, .185" thick aluminum end plates with die-formed gasket.

Finishes

• Satin anodized aluminum and four powder coat painted finishes standard.
• Custom powder coat painted finishes available, consult factory.

Mounting

• Choice of 180° rotatable wall mount brackets or telescoping-arm brackets. Order separately.
• Fixture clips into place and is secured with screws.
• For recommended maximum distance between mounting brackets, see mounting chart.

Louvers

• Choice of optional die-formed cross blade or longitudinal louvers available in matte black.

Wiring

• Choice of individual fixture powerfeed locations or multiple fixture powerfeed option.

Compliances

• c SP us listed wet location, IP65 approved.
• Approved to be mounted in base up or base down positions.

Lamp

• Included with fixture.
• T5 or T5HO 3000°K color temperature standard.
• Consult factory for other color temperatures.

105 Series

T-5 & T-5 HO fluorescent wet location

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: 105-024.0-0000-SA-1-TP

Ordering code

105 – ☐ – 0 0 ☐ ☐ – ☐ – ☐ – ☐ – ☐

Series

105
Wet location floodlight

Length

024.0
14W/24W
24"

036.0
21W/39W
36"

048.0
28W/54W
48"

060.0
35W/80W
60"

Lamping

0
T5

1
T5H0

Lens

0
Clear

1
Ribbed

Finish

SA
Satin aluminum

WH
White

BK
Black

GY
Steel gray

BZ
Bronze

Feed position - single fixture

1
Left end cap

2
Left back side

3
Right back side

4
Right end cap

Feed position - multi-bay fixtures

5
Starter/intermediate left back side

Tamper-proof option

TP
Tamper-proof

Other option

CB
Cross-blade louver

LB
Longitudinal louver

Mounting systems ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: 105-WA-SA

105 – ☐ – ☐

Series

105
Wet location floodlight

Mounting type

WA
Telescopic wall arm

WB
Wall mounting bracket

Finish

SA
Satin aluminum

WH
White

BK
Black

GY
Steel gray

BZ
Bronze

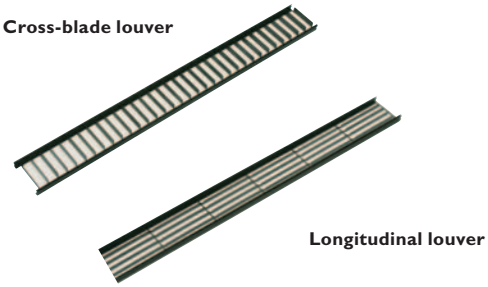
105 Series

T-5 & T-5 HO fluorescent wet location

Optional louvers

Optional crossblade or longitudinal louvers are available in black for the 105 Series. They will be fitted at the factory, but can easily be trimmed in the field.

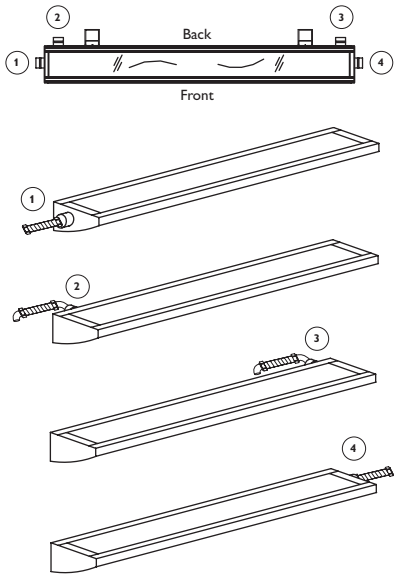
Cross-blade louver



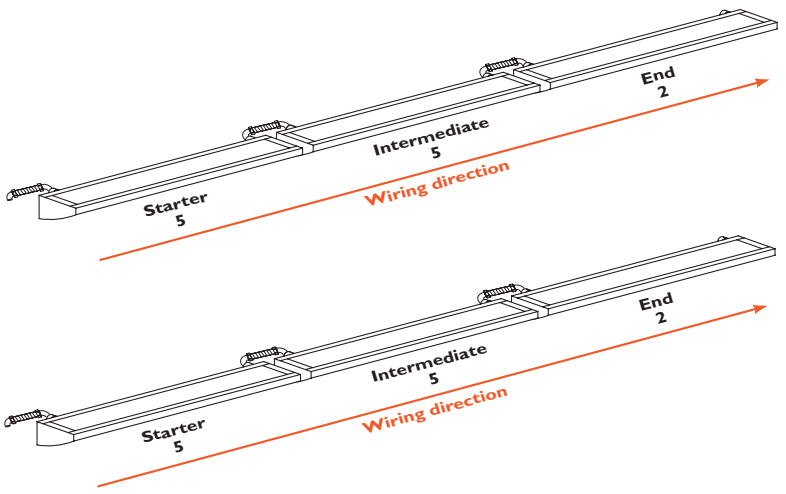
Longitudinal louver

SA WH BK GY BZ

Individual powerfeed information



System powerfeed information



Note: Starter and Intermediate are same fixture

90° liquid tight connection

110 Series

T-5 & T-5 HO fluorescent wet location

Specifications
• Fluorescent linear lighting for wet locations.

Housing
• Extruded aluminum alloy. Available in 2ft, 3ft, 4ft, and 5ft lengths.
• High density, closed cell foam gasket.
• Watertight connector for weatherproof cable (24" cable included for individual power feeds 2 & 3).
• Tamper-proof option available.

Voltage
• Integral electronic 120v or 277v, HPF, Class P, and thermally protected. (STD T5) (14/21/28/35w).
• Integral electronic 120v, HPF, Class P, TP, T5HO, (24/39/54w). 80w remote mount only.
• Remote electronic 277v, HPF, Class P, TP, T5HO, (24/39/54/80w). 80 watt only-120v.
• Dimming ballast remote.
• Minimum start temperature: -10°C.

Reflector
• Precision-extruded parabolic, asymmetrical or formed symmetrical aluminum with polished finish.

Lens
• UV-protected clear polycarbonate with UL F1 rating.
• Retained snap closing lens locked to housing by linear extruded clasp.

Lens clasp
• Extruded aluminum lens clasp permits servicing fixture by opening lens without tools.

End caps
• Die cast, .188" thick aluminum end plates with die-formed gasket.

Finishes
• Satin anodized aluminum and four powder coat painted finishes standard.
• Custom powder coat painted finish available, consult factory.

Mounting
• Choice of rotatable wall mount brackets or telescoping arm brackets. Order separately.
• For recommended maximum distance between mounting brackets, see mounting chart.
• Mounts horizontally or vertically.
• Custom mounting available, consult factory.

Louvers
• Die-formed cross blade louver available in matte black.
• Longitudinal louver pending.

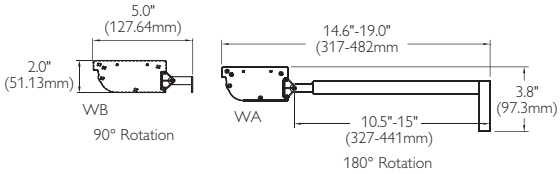
Compliances
• cSAus wet location listed. IP65 rated.

Lamp
• 14/21/28/35 watts T5 fluorescent 3000K standard (included).
• 24/39/54 80w T5HO 3000K standard (included).
• 24/39/54/80 T5HO (277V) Remote.
• Consult factory for other color temperatures.

Mounting systems

Wall bracket

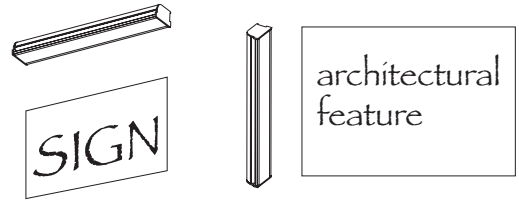
Telescoping wall mounting arm



Note: The recommended quantity of mounting brackets is illustrated in the following chart:

Fixture length	Quantity of brackets
2' - 4'	2
5'	3

Mounting



Horizontal mounting **Vertical mounting**

110 Series fixture length & standard lamping

T-5 lamps	T-5 HO lamps
24" housing with one (1) 14 watt lamp	24" housing with one (1) 24 watt lamp
36" housing with one (1) 21 watt lamp	36" housing with one (1) 39 watt lamp
48" housing with one (1) 28 watt lamp	48" housing with one (1) 54 watt lamp
60" housing with one (1) 35 watt lamp	60" housing with one (1) 80 watt lamp

110 Series

T-5 & T-5 HO fluorescent wet location

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: 110-036.0-2-A-WH-2-CB

Ordering code

110 – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

Series

110
Wet location floodlight

Length

024.0
24" (610mm)

036.0
36" (915mm)

048.0
48" (1220mm)

060.0
60" (1525mm)

Voltage/lamp

1
120/277v Electronic integral T5

2
Dimming ballast remote T5

3
Dimming ballast remote T5HO

4
120v Integral T5HO 24/39/54w

5
120v Remote T5HO 80w

6
277v Remote T5HO

Reflector

S
Symmetrical (flood)

A
Asymmetrical

P
Parabolic

Finish

SA
Satin aluminum

WH
White

BK
Black

GY
Steel grey

BZ
Bronze

Feed position- single fixture

2
Left back side facing up

3
Right back side facing up

Tamper-proof option

TP
Tamper-proof

Optional louver

CB
Cross-blade louver

LB
Longitudinal louver

Mounting systems ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: 110-WA-SA

110 – ☐ – ☐

Series

110
Wet location floodlight

Mounting type

WA
Telescopic wall arm

WB
Wall mounting bracket

Finish

SA
Satin aluminum

WH
White

BK
Black

GY
Steel gray

BZ
Bronze

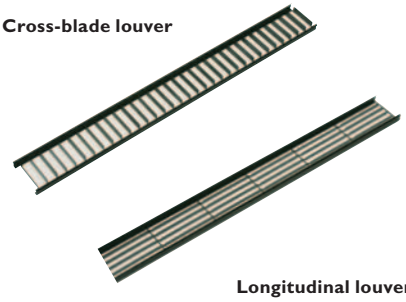
110 Series

T-5 & T-5 HO fluorescent wet location

Optional louvers

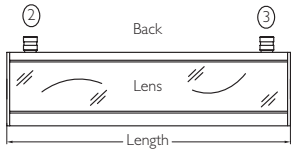
Optional crossblade or longitudinal louvers are available in black for the 110 Series. They will be fitted at the factory, but can easily be trimmed in the field.

Cross-blade louver

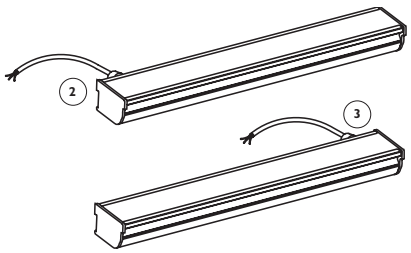


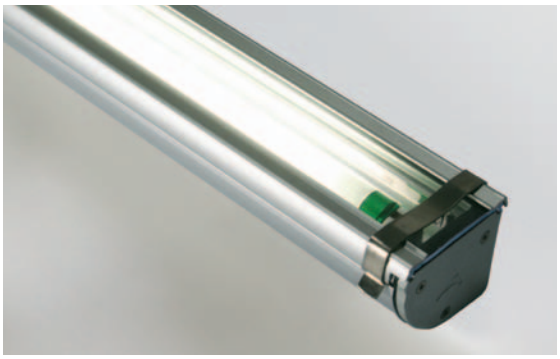
Longitudinal louver
(S and P reflectors only)

Individual powerfeed information



Power feed location option top view
Specify one location





115 Series

T-5 Fluorescent mini wet location

Specifications
• Miniature fluorescent linear lighting for wet locations.

Housing
• Extruded aluminum alloy, 10 feet/3.0 meters length max.
• High density, closed cell foam gasket.
• Watertight connector for weatherproof cable (12" cable included).

Ballast
• Integral electronic 120V or 277V, HPF, Class P, and thermally protected.
• Minimum start temperature: -10°C.

Reflector
• Precision formed parabolic shape, .032" (8mm) thick aluminum with polished finish.

Lens
• UV protected clear polycarbonate with UL F1 rating.
• Lens retained to housing by linear extruded clasps.

Lens clasps
• Extruded aluminum lens clasps permit servicing fixture by removing lens. Tamper-proof option is available.

End caps
• Stamped, .185" thick aluminum end plates with die-formed gasket.

Finishes
• Satin anodized aluminum and four powder coat painted finishes standard.
• Custom powder coat painted finishes available, consult factory.

Mounting
• Choice of rotatable wall mount brackets or telescoping arm brackets. **Order separately**.
• Fixture clips into place and is secured with screws.
• For recommended maximum distance between mounting brackets, see mounting chart.

Spring clips
• Made of 0.030" stainless spring steel, tempered 1/2 hard, used to reinforce the lens clasps.

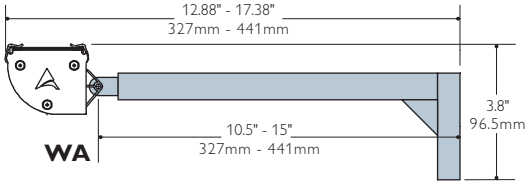
Louvers
• Choice of optional die-formed cross blade or longitudinal louvers available in matte black.

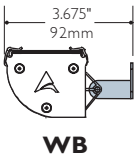
Wiring
• Choice of individual fixture powerfeed locations.

Compliances
• cULus listed wet location, IP64 rated, approved for base up or base down positions.

Lamp
• 14/21/28/35 watts T5 fluorescent 3000°k standard.
• Consult factory for other color temperatures.

Mounting systems





Note: The recommended quantity of mounting brackets is illustrated in the following chart:

Fixture length	Quantity of brackets
1' - 4'	2
5' - 8'	3
9' - 10'	4

115 Series fixture length & standard lamping

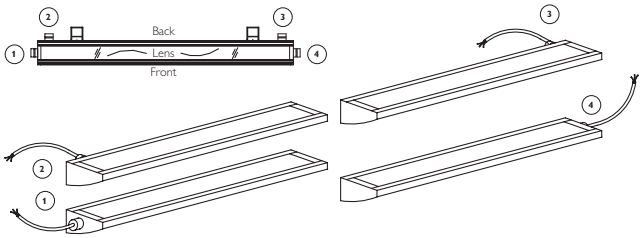
T-5 lamps

24" housing with one	(1) 14 watt lamp
36" housing with one	(1) 21 watt lamp
48" housing with one	(1) 28 watt lamp
60" housing with one	(1) 35 watt lamp
72" housing with two	(2) 21 watt lamps
96" housing with two	(2) 28 watt lamps
120" housing with two	(2) 35 watt lamps

Consult factory for custom housing lengths and lamp options.

Note: Clikstrip LED version available in the CLM Series. See page 3.32

Powerfeed supplemental information



Select one powerfeed location.
• Standard powerfeed location will be position #2 (left back side)
• 24" long, 3-wire, 20 amp power cord supplied
• Consult factory for additional power cord length

115 Series

T-5 Fluorescent mini wet location

Ordering code

115 – ☐ – ☐ 0 0 0 – ☐ – ☐ – ☐ – ☐

Series

115
Wet location floodlight

Length

024.0	036.0	048.0	060.0
14W 24"	21W 36"	28W 48"	35W 60"

Voltage

1	2
120v	277v

Finish

SA	WH	BK	GY	BZ
Satin aluminum	White	Black	Steel gray	Bronze

Feed position - single fixture

1	2	3	4
Left end cap	Left back side	Right back side	Right end cap

Tamper-proof option

TP
Tamper-proof

Other option

CB	LB
Cross-blade louver	Longitudnal louver

Mounting systems ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: 115-WA-SA

115 – ☐ – ☐

Series

115
Mini Wet location floodlight

Mounting type

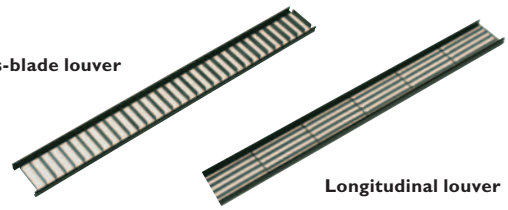
WA	WB
Telescopic wall arm	Wall mounting bracket

Finish

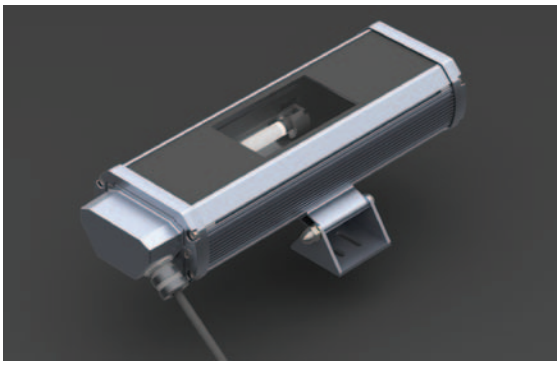
SA	WH	BK	GY	BZ
Satin aluminum	White	Black	Steel gray	Bronze

Optional louvers

Optional crossblade or longitudinal louvers are available in black for the 115 Series. They will be fitted at the factory, but can easily be trimmed in the field.



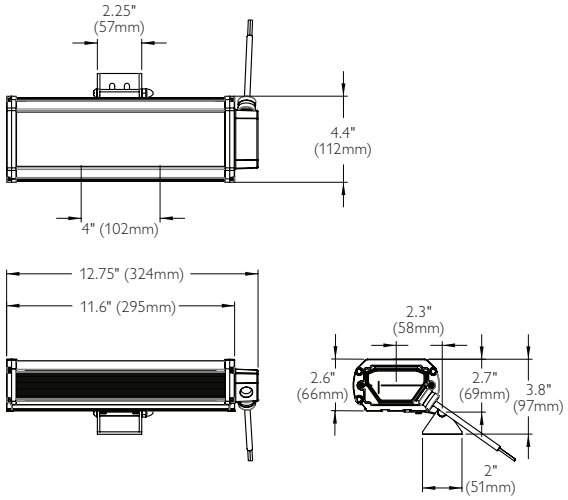
SA WH BK GY BZ



Arc series

T4 Metal halide wet location

The Arc series provides linear flood lighting for outdoor applications such as building facades, signage, pedestrian walkways and landscape illumination. Its unique extruded aluminum housing is designed to withstand extreme outdoor weather and wet conditions.



Specifications

- Miniature HID linear lighting for wet locations.

Housing

- Extruded aluminum housing.
- Watertight connector for weatherproof cable.
- Stainless steel hardware.

Ballast

- Thermally protected 20w MH electronic ballast 120V, Outdoor Type 1.
- Removable ballast tray for ease of maintenance.

Lamp

- Twist lock Gu6.5 20 watt T4 standard. Ordered separately.

Reflector

- Precision extruded specular parabolic, extruded asymmetrical or formed symmetrical aluminum with polished finish.

End plates

- Die-cast end plates with die-formed rubber gasket.

Power supply cord

- Listed flexible cord with 600V insulation, three conductor, min. 18 awg wiring.

Finishes

- Satin anodized aluminum and four powder coat finishes standard.
- Custom powder coat painted finish available, consult factory.

Mounting

- Standard rotable wall mount brackets.
- Mounting brackets securely retained in housing.

Compliances

- c SP us listed for wet location and IP65 rated.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: ARC-S-SA-1

Ordering code

ARC – ☐ – ☐ – ☐

Series

ARC
Wet location

Reflector

S
Symmetrical

A
Asymmetrical

P
Parabolic

Finish

SA
Satin aluminum

WH
White

BK
Black

GY
Steel gray

BZ
Bronze

CF
Custom finish

Power feed

1
Left end cap

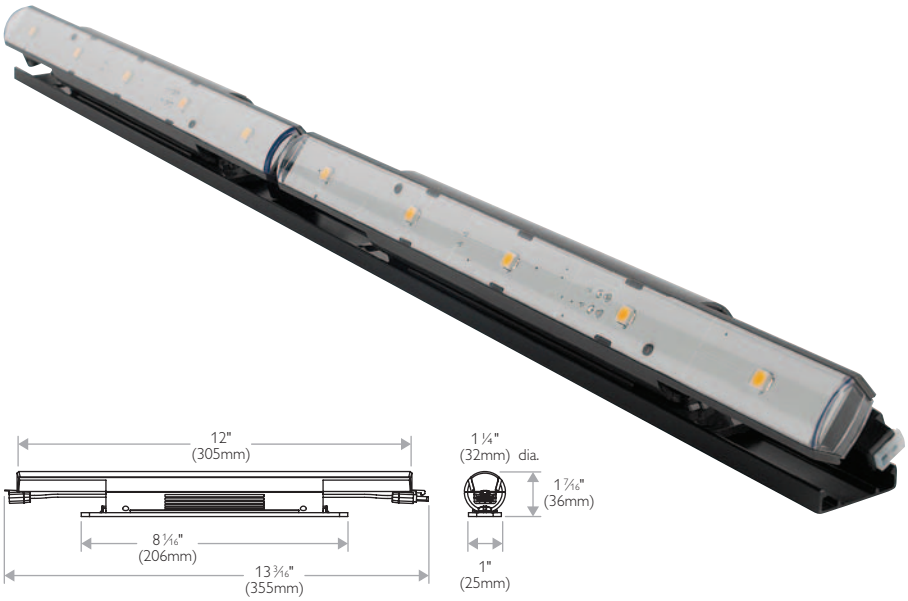
2
Right end cap

Cove

LED Luminaire

Concealed color and concealed white lighting systems are perfect for illuminating alcoves, accent areas, and other interior spaces.

Concealed white



Cove lights

Cat. No.	Finish	Length	Color temp	Volts
CWL271212	Charcoal gray	12"	2700K	120V
CWL401212	Charcoal gray	12"	4000K	120V
CWL270612	Charcoal gray	6"	2700K	120V
CWL400612	Charcoal gray	6"	4000K	120V

Mounting track	Quantity
CLMT2548	(25) 4ft mounting tracks

Jumper cables	Lead	Power cord	Lead
CWLJC12	12"	**CWLPC120**	120"
CWLJC60	60"		

CoveLite

Housing: Die-formed 20 gauge cold-rolled steel painted white.

Weight :3.0 lb/ft.

Optical system: Constructed of highly specular Miro IV® aluminum and highly reflective white 20 gauge steel to produce an asymmetric distribution.

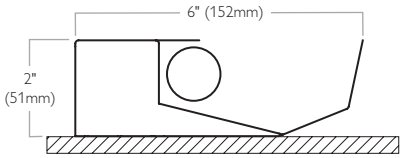
Lamping: One or two T8 fluorescent lamps in cross section. 18 watt 2 foot, 32 watt 4 and 8 foot, 25 watt 3 and 6 foot lengths.

Mounting: Fixtures can be screwed down in multiple positions and orientations to enable precise coordination of optical distributions. Nominal module lengths are 2'0" for 2ft, 3'0" for 3ft, 4'0" for 4ft, 6'0" for 6' and 8'0" for 8ft.

Electrical: Factory pre-wired to section ends with quick-wire connectors. Maximum ballast size is 1.3" (3.3cm) by 1.7" (4.3cm).Standard dimming ballast is Advance Mark VII.

Labels: Certified to UL & CSA standards.

CL-1 1-Lamp T8

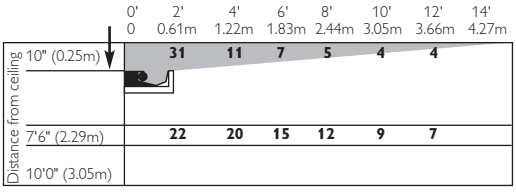


Distribution

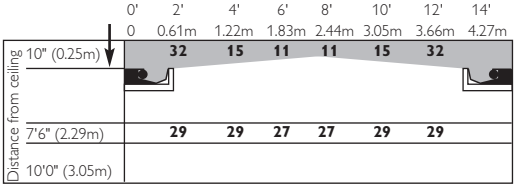
Zone	Lumens	%Lamp	%Luminaire
0-90	151	5.1	6.5
90-180	2156	73.1	93.5
0-180	2306	78.2	100.0

Footcandle levels
Distance from wall

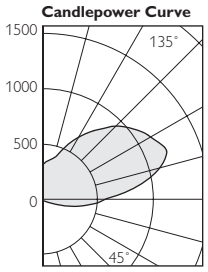
1lt, 1 fixture, 1 wall, 10" (0.25m) from ceiling



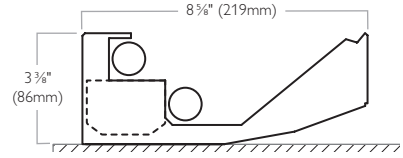
1lt, 2 fixture, 2 wall, 10" (0.25m) from ceiling



Candlepower Curve



CL-2 2-Lamp T8

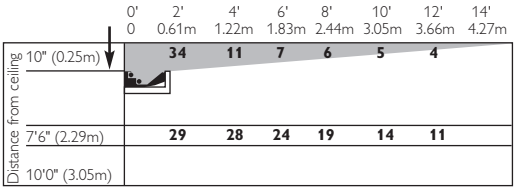


Distribution

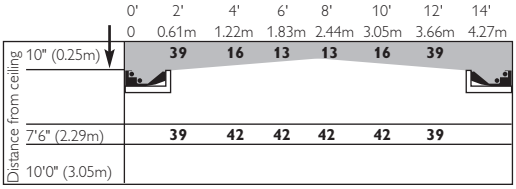
Zone	Lumens	%Lamp	%Luminaire
0-90	0	0	0.0
90-180	4216	72.8	100.0
0-180	4216	72.8	100.0

Footcandle levels
Distance from wall

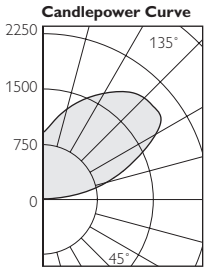
2lt, 1 fixture, 1 wall, 10" (0.25m) from ceiling



2lt, 2 fixtures, 2 walls, 10" (0.25m) from ceiling



Candlepower Curve



Ordering information

CL08		E	N					E	W
Style	**Lamps**	**Lower optics**	**Upper optics**	**Length**	**Wiring**	**Voltage**		**Ballast**	**Color & finish**
	T01 = 1-Lamp T8 **T02** = 2-Lamp T8	**E** = Solid housing	**N** = None	**02** = 2 ft. **03** = 3 ft. **04** = 4 ft. **06** = 6 ft. **08** = 8 ft.	**1** = 1 circuit **2** = 2 circuit **3** = 1 circuit w/ emergency circuit **4** = 2 circuits w/ emergency circuit **5** = 1 circuit w/ battery pack **6** = 2 circuits w/ battery pack **7** = 1 circuit dimming	**D** = Dual 120v/277v **3** = 347v **1** = 1207v **2** = 277v		**E** = Standard ballast	**W** = high reflective white

For runs with battery packs or dimming the voltage must be dedicated 1,2 or 3.

CoveLite

Housing: Die-formed 20 gauge cold-rolled steel painted white.

Weight :3.0 lb/ft.

Optical system: Constructed of highly specular Miro IV® aluminum and highly reflective white 20 gauge steel to produce an asymmetric distribution.

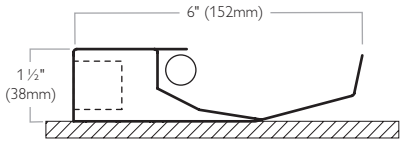
Lamping: One or two T5 or T5HO fluorescent lamps in cross section. 14 or 24 watt 2 foot, 28 or 54 watt 4 and 8 foot, 21 or 39 watt 3 and 6 foot lengths.

Mounting: Fixtures can be screwed down in multiple positions and orientations to enable precise coordination of optical distributions. Nominal module lengths are 1'11" for 2ft, 2'11" for 3ft, 3'11" for 4ft, 5'9" for 6' and 7'9" for 8ft.

Electrical: Factory pre-wired to section ends with quick-wire connectors. Maximum ballast size is 1.3" (3.3cm) by 1.7" (4.3cm).Standard dimming ballast is Advance Mark VII.

Approvals: Certified to UL, cUL, and CSA standards.

CL-3 1-Lamp T5 or T5H0



Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	71	2.4	3.2
90-180	2166	74.7	96.8
0-180	2237	77.1	100.0

Footcandle levels
Distance from wall

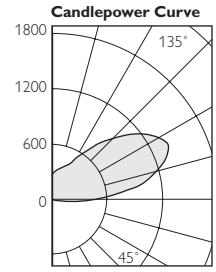
1lt, 1 fixture, 1 wall, 10" (0.25m) from ceiling

Distance from ceiling	0' 0	2' 0.61m	4' 1.22m	6' 1.83m	8' 2.44m	10' 3.05m	12' 3.66m	14' 4.27m
10" (0.25m)		67	23	13	9	7	7	
7'6" (2.29m)		41	37	28	21	16	13	
10'0" (3.05m)								

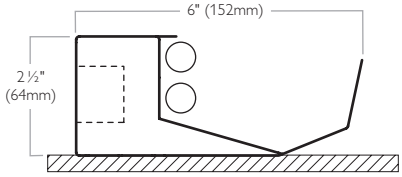
1lt, 2 fixtures, 2 walls, 10" (0.25m) from ceiling

Distance from ceiling	0' 0	2' 0.61m	4' 1.22m	6' 1.83m	8' 2.44m	10' 3.05m	12' 3.66m	14' 4.27m
10" (0.25m)		73	31	22	22	31	73	
7'6" (2.29m)		53	53	50	50	53	53	
10'0" (3.05m)								

Candlepower Curve



CL-4 2-Lamp T5 or T5H0



Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	421	7.3	7.7
90-180	5012	86.4	92.3
0-180	5433	93.7	100.0

Footcandle levels
Distance from wall

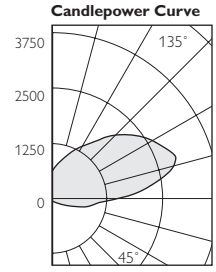
1lt, 1 fixture, 1 wall, 10" (0.25m) from ceiling

Distance from ceiling	0' 0	2' 0.61m	4' 1.22m	6' 1.83m	8' 2.44m	10' 3.05m	12' 3.66m	14' 4.27m
10" (0.25m)		131	43	25	18	16	15	
7'6" (2.29m)		67	63	53	42	33	26	
10'0" (3.05m)								

1lt, 2 fixtures, 2 walls, 10" (0.25m) from ceiling

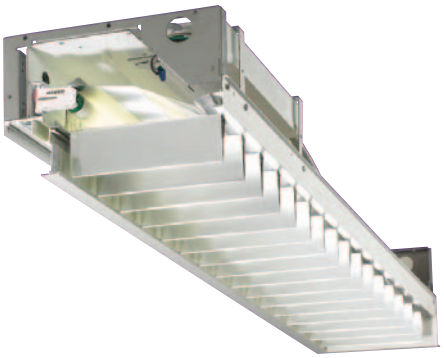
Distance from ceiling	0' 0	2' 0.61m	4' 1.22m	6' 1.83m	8' 2.44m	10' 3.05m	12' 3.66m	14' 4.27m
10" (0.25m)		144	58	44	44	58	144	
7'6" (2.29m)		92	94	93	93	93	92	
10'0" (3.05m)								

Candlepower Curve



Ordering information

CL08		E	N				E	W
Style	**Lamps**	**Lower optics**	**Upper optics**	**Length**	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
	F01 = 1-Lamp T5 **F02** = 2-Lamp T5 **H01** = 1-Lamp T5H0 **H02** = 2-Lamp T5H0	**E** = Solid housing	**N** = None	**02** = 2 ft. **03** = 3 ft. **04** = 4 ft. **05** = 5 ft. **06** = 6 ft. **07** = 7 ft. **08** = 8 ft.	**1** = 1 circuit **2** = 2 circuit **3** = 1 circuit w/ emergency circuit **4** = 2 circuits w/ emergency circuit **5** = 1 circuit w/ battery pack **6** = 2 circuits w/ battery pack **7** = 1 circuit dimming	**D** = Dual 120v/277v **3** = 347v **1** = 120v **2** = 277v	**E** = Standard ballast	**W** = high reflective white



PTS7 2', 3', 4', 5' & 7'

Perimeter trough system

Features

Housing: Die-formed steel. Integral flanges at each end strengthen the housing and permit housings to be bolted together in continuous runs and facilitate suspension of fixture. Concealed openings for heat extraction.

Lamping: One or two T8 fluorescent lamps, as specified. Provided by others.

Reflector: Die-formed semi-specular aluminum.

Louver: Semi-specular anodized aluminum, 40 degrees lengthwise by 30 degrees minimum crosswise shielding. Supported along both edges by concealed frame of extruded aluminum.

Socket channels: Die-formed, prepainted steel held by support brackets and allows for up to 6" lamp overlap.

Ceiling trim: Extruded aluminum with integral aligner splines.

Electrical: Specify 120 volt or 277 volt. 3 conductor, 12 gauge wire. Color-coded quick connectors allow ease of connection for joiner modules. For special circuiting, consult factory. Rapid start, HPF, class "P" thermally protected.

Emergency battery pack: 450 Lumens @ 90 minimum. 4' fixture and longer only. Not available in telescoping fixtures.

Mountings: Wall Adjustment Bracket - Allows for inconsistencies in wall straightness. Die-formed steel used to mount system to the wall.

Finish: Ceiling trim painted baked enamel semi-gloss white.

Options and accessories

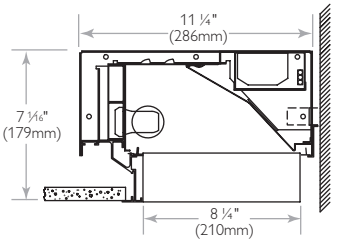
90 degree inside, 90 degree outside, 135 degree inside, and 135 outside corners available.

Labels

UL, cUL and I.B.E.W.

PTS7-1

1 Light T8, parabolic louver, 8 1/4" aperture



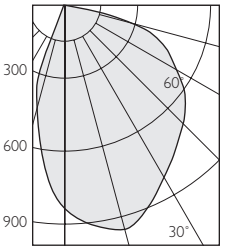
Reference data

Report no:	LRL 499-5D
Efficiency:	46.7%
Lamps:	1-FO32T8

Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2644	45.6	100.0
90-180	0	0.0	0.0
0-180	2644	45.6	100.0

Candlepower Curve



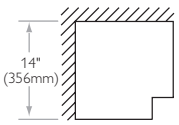
Ordering information

PTS7		1			
Family	**Style**	**Lamps**	**Length**	**Ballast**	**Options**
PTS7 = PTS7	**T** = Telescoping*	**1** = 1 Lamp	**24** = 24"	**E81** = ELET8 120V	**X4** = 4 through wires
	Blank = Non-telescoping		**36** = 36"	**E82** = ELE T8 277V	**X5** = 5 through wires
			48 = 48"*		**X6** = 6 through wires
			60 = 60"		**T** = Tandem Switch
			84 = 84"		

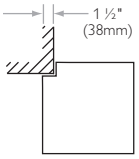
* PTS7-1 lamp telescoping available in 48" with adjustment of 27" to 48".

End plate and corner block accessories

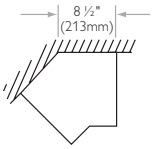
90° Inside
PTS7C901 Standard



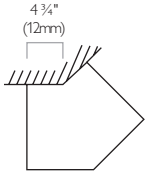
90° Outside
PTS7C900 Standard



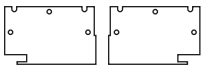
135° Inside
PTS7C1351 Standard



135° Outside
PTS7C1350 Standard



End cap set
PTS7EP Standard



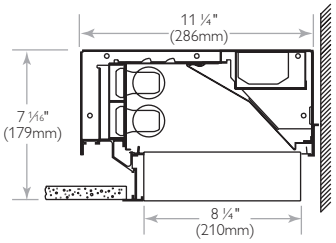
Each run must be closed up by one end cap set

PTS7 2', 3', 3½', 4½', 5' & 8'

Perimeter trough system

PTS7-2

2 Light T8, parabolic louver, 8 1/4" aperture



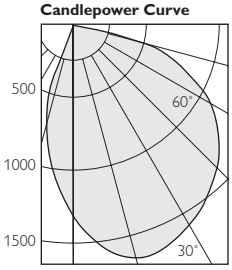
Reference data

Report no:	LRL 499-5E
Lamps:	2-32WT8
Lumens:	2900
Efficiency:	45.6%

Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2644	45.6	100.0
90-180	0	0.0	0.0
0-180	2644	45.6	100.0

Candlepower Curve



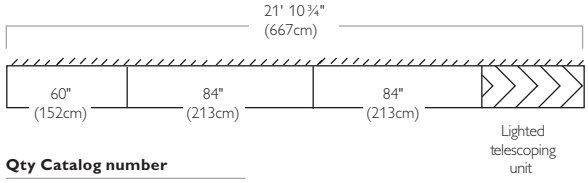
Ordering information

PTS7		2			
Family	**Style**	**Lamps**	**Length**	**Ballast**	**Options**
PTS7 = PTS7	**T** = Telescoping*	**2** = 2 Lamp	**24** = 24" **60** = 60"	**E81** = ELET8 120V	**X4** = 4 through wires
	Blank = Non-telescoping		**36** = 36" **96** = 96"	**E82** = ELE T8 277V	**X5** = 5 through wires
			48 = 48" **54** = 54"*		**X6** = 6 through wires
			42 = 42"*		**T** = Tandem switch

* PTS7-2 lamp telescoping available in 42" with adjustment of 27" to 42". Also available in 54" with adjustment of 39" to 54".

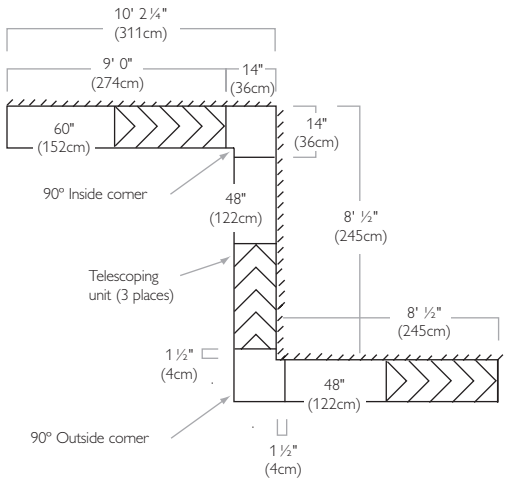
Sample run accessories

Example of a 21' 10¾" run of 1 light 277v PTS7



Qty	Catalog number
1	PTS7T148E82
2	PTS7184E82
1	PTS7160E82
1	PTS7EP

Example of a 1 light pattern using IS and OS corners



Top

Qty	Catalog number	
1	PTS7C901	IS Corner
1	PTS7T148E82	Tele
1	PTS7160E82	Fixture

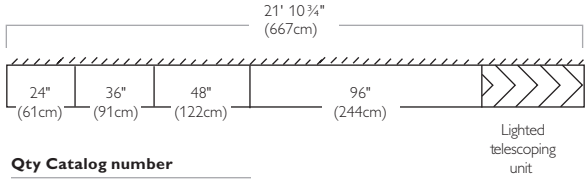
Side

Qty	Catalog number	
1	PTS7T148E82	Tele
1	PTS7148E82	Fixture
1	PTS7C900	OS Corner

Bottom

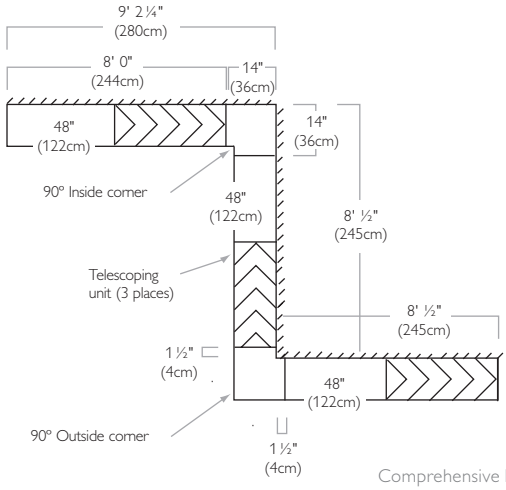
Qty	Catalog number	
1	PTS7T148E82	Tele
1	PTS7148E82	Fixture
1	PTS7EP	End set

Example of a 21' 10¾" run of 2 light 277v PTS7



Qty	Catalog number
1	PTS7T254E82
1	PTS7296E82
1	PTS7248E82
1	PTS7236E82
1	PTS7224E82
1	PTS7EP

Example of a 2 light pattern using IS and OS corners



Top

Qty	Catalog number	
1	PTS7C901	IS Corner
1	PTS7T254E82	Tele
1	PTS7248E82	Fixture

Side

Qty	Catalog number	
1	PTS7T254E82	Tele
1	PTS7248E82	Fixture
1	PTS7C900	OS Corner

Bottom

Qty	Catalog number	
1	PTS7T254E82	Tele
1	PTS7248E82	Fixture
1	PTS7EP	End set

PTS5 T5 Lamps 2', 3', 4', 6' & 8'

Architectural profiles

Features

Housing: Die formed 20 gauge pre-painted steel. Integral heavy gauge bulk-heads support housing and trim, permitting modules to be bolted together in continuous runs and to facilitate suspension.

Lamping: Cross sectional one or two linear T5 fluorescent lamps. Provided by others.

Reflector: Precision parabolic roll-formed semi-specular aluminum or precision die-formed CRS finished in a high reflective baked white powder coat.

Louver: Lift and shift straight blade louver constructed from die-formed aluminum and painted to match housing. Louver blades are 1" high on 1 1/8" centers (optional).

Mounting: "J" Rail is first mounted to the wall and the modules connect to the rail for 1/4" wall adjustment. Modules are hung from suspension wires attached to the fixture bulkheads and the structure above.

Electrical

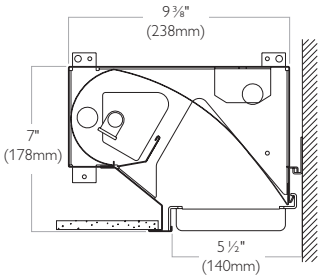
Electronic ballast: Programmed start, 3 conductor, 12 gauge wire. Color-coded quick connectors allow easy connection for modular fixtures.

Dimming: Advance Mark X, use Advance compatible two-wire control (no extra lead required).

Emergency battery pack: 450 Lumens @ 90 minimum. 4' fixture and longer only. Not available in adjustable fixtures.

PTS5-1

1 Light T5, high efficiency reflector



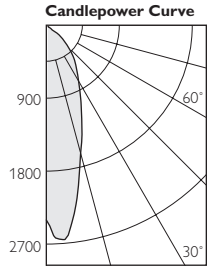
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1861	37.2	100.0
90-180	0.0	0.0	0.0
0-180	1861	37.2	100.0

Reference data

Report no:	ITL53559	Lumens:	5000
Cat No:	PTS51HS14	Efficiency:	37.2%
Lamps:	1-F54T5		

Candlepower Curve

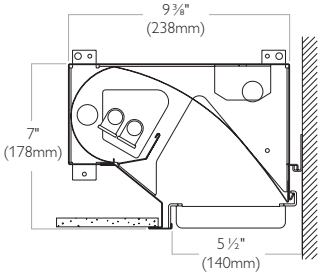


Module ordering information

PTS5	1					
Family	**Lamps**	**Type**	**Shielding**	**Voltage**	**Length**	**Options**
PTS5 = PTS5	**1** = 1 Lamp	**S** = Standard **H** = HO	**O** = Open **S** = Straight Blade Louver **L** = Lens	**1** = 120V **2** = 277V **3** = 347V **D1** = Dimming 120V **D2** = Dimming 277V **D3** = Dimming 347V **E1** = Emergency 120V **E2** = Emergency 277V	**2** = 2' **3** = 3' **4** = 4' **6** = 6' **8** = 8'	**Blank** = No options **A** = Adjustable **X4** = 4 through wires **X5** = 5 through wires **A4** = Adjustable 4 through wires **A5** = Adjustable 5 through wires

PTS5-2

2 Light T5, high efficiency reflector



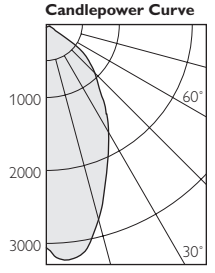
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3026	30.3	100.0
90-180	0.0	0.0	0.0
0-180	3026	30.3	100.0

Reference data

Report no:	ITL53560	Lumens:	5000
Cat No:	PTS52HS14	Efficiency:	30.3%
Lamps:	2-F54T5		

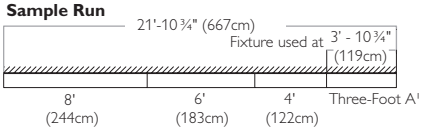
Candlepower Curve

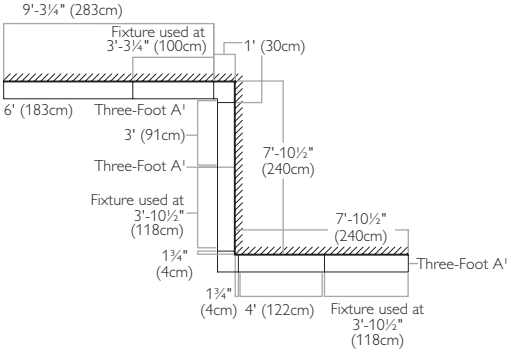


Module ordering information

PTS5	2					
Family	**Lamps**	**Type**	**Shielding**	**Voltage**	**Length**	**Options**
PTS5 = PTS5	**2** = 2 Lamp	**S** = Standard **H** = HO	**O** = Open **S** = Straight blade louver **L** = Lens	**1** = 120V **2** = 277V **3** = 347V **D1** = Dimming 120V **D2** = Dimming 277V **D3** = Dimming 347V **E1** = Emergency 120V **E2** = Emergency 277V	**2** = 2' **3** = 3' **4** = 4' **6** = 6' **8** = 8'	**Blank** = No options **A** = Adjustable **AS** = Adjustable staggered **S** = Staggered **X4** = 4 through wires **X5** = 5 through wires **A4** = Adjustable 4 through wires **A5** = Adjustable 5 through wires **S5** = Staggered 4 through wires **S5** = Staggered 5 through wires **B4** = Adjustable staggered 4 through wires **B5** = Adjustable staggered 5 through wires

Sample Run





For fixture using non-staggered lamps
The four-foot adjustable fixture has a range of 48.75"(123.83cm) - 60"(152.40cm).
The three-foot adjustable fixture has a range of 36.75"(93.35cm) - 48"(121.92cm).
The two-foot adjustable fixture has a range of 24.75"(62.87cm) - 36"(91.44cm).

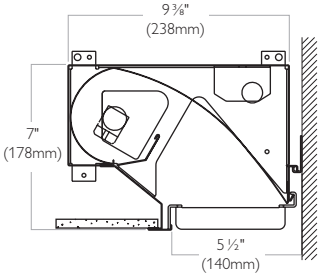
For fixture using staggered lamps
The four-foot adjustable staggered fixture has a range of 51"(129.54cm) - 60"(152.40cm).
The three-foot adjustable staggered fixture has a range of 39"(99.06cm) - 48"(121.92cm).
The two-foot adjustable staggered fixture has a range of 27"(68.58cm) - 36"(91.44cm).

PTS8 T8 Lamps 2', 3', 4', 6' & 8'

Architectural profiles

PTS8-1

1 Light T8, high efficiency reflector



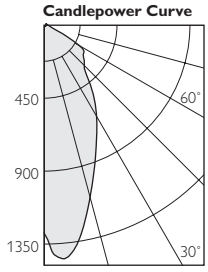
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1162	39.4	100.0
90-180	0	0.0	0.0
0-180	1162	39.4	100.0

Reference data

Report no:	ITL53557	Lumens:	2900
Cat No:	PTS81S14	Efficiency:	39.4%
Lamps:	1-F32T8		

Candlepower Curve

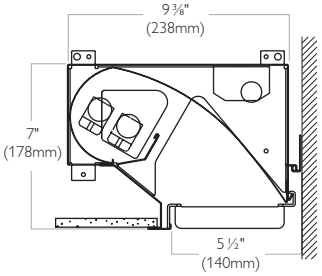


Module ordering information

PTS8	1				
Family	**Lamps**	**Shielding**	**Voltage**	**Length**	**Options**
PTS8 = PTS8	**1** = 1 Light	**O** = Open	**1** = 120V	**2** = 2'	**Blank** = No options
		S = Straight blade louver	**2** = 277V	**3** = 3'	**A** = Adjustable
			3 = 347V	**4** = 4'	**X4** = 4 through wires
			D1 = Dimming 120V	**6** = 6'	**X5** = 5 through wires
		L = Lens	**D2** = Dimming 277V	**8** = 8'	**A4** = Adjustable 4 through wires
			D3 = Dimming 347V		**A5** = Adjustable 5 through wires
			E1 = Emergency 120V		
			E2 = Emergency 277V		

PTS8-2

2 Light T8, high efficiency reflector



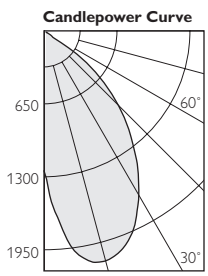
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1878	31.8	100.0
90-180	0	0.0	0.0
0-180	1878	31.8	100.0

Reference data

Report no:	ITL53558	Lumens:	2950
Cat No:	PTS82S14	Efficiency:	31.8%
Lamps:	2-F32T8		

Candlepower Curve



Module ordering information

PTS8	2				
Family	**Lamps**	**Shielding**	**Voltage**	**Length**	**Options**
PTS8 = PTS8	**2** = 2 Light	**O** = Open	**1** = 120V	**2** = 2'	**Blank** = No options
		S = Straight blade louver	**2** = 277V	**3** = 3'	**A** = Adjustable
			3 = 347V	**4** = 4'	**AS** = Adjustable staggered
			D1 = Dimming 120V	**6** = 6'	**S** = Staggered
		L = Lens	**D2** = Dimming 277V	**8** = 8'	**X4** = 4 through wires
			D3 = Dimming 347V		**X5** = 5 through wires
			E1 = Emergency 120V		**A4** = Adjustable 4 through wires
			E2 = Emergency 277V		**A5** = Adjustable 5 through wires

S4 = Staggered 4 through wires
S5 = Staggered 5 through wires
B4 = Adjustable staggered 4 through wires
B5 = Adjustable staggered 5 through wires

Features

Housing: Die formed 20 gauge pre-painted steel. Integral heavy gauge bulk-heads support housing and trim, permitting modules to be bolted together in continuous runs and to facilitate suspension.

Lamping: Cross sectional one or two linear T8 fluorescent lamps. Provided by others.

Reflector: Precision parabolic roll-formed semi-specular aluminum.

Louver: Lift and shift straight blade louver constructed from die-formed aluminum and painted to match housing. Louver blades are 1" high on 1 1/8" centers (optional).

Mounting: "J" Rail is first mounted to the wall and the modules connect to the rail for 1/4" wall adjustment. Modules are hung from suspension wires attached to the fixture bulkheads and the structure above.

Electrical

Electronic ballast: Programmed start, 3 conductor, 12 gauge wire. Color-coded quick connectors allow easy connection for modular fixtures.

Dimming: Advance Mark X, use Advance compatible two-wire control (no extra lead required).

Emergency battery pack:
450 Lumens @ 90 minimum. 4' fixture and longer only. Not available in adjustable fixtures.

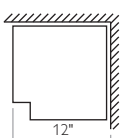
Ordering instructions

1. Order number of fixtures necessary to complete the run.
2. Order one end set per run. Runs with Staggered lamp fixtures must end in Adjustable Staggered module.

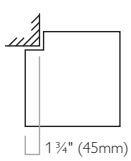
Contact factory for details.

Adjustable Fixtures in 2', 3' and 4's length only. Fixture will ship one foot longer than posted length. Staggered lamp fixtures will adjust down to 3" past posted length. Non-staggered lamp fixtures will adjust down to 1" past posted length. Area of adjustability is not lamped.

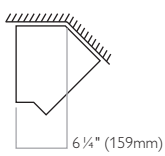
Mounting accessories



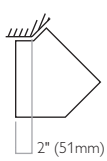
90° Inside corner:
PTS135INCL = Lens
PTS135INCO = Open
PTS135INCS = Straight Blade



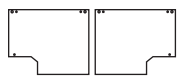
90° Outside corner:
PTS90OTCL = Lens
PTS90OTCO = Open
PTS90OTCS = Straight Blade



135° Inside corner:
PTS90INCL = Lens
PTS90INCO = Open
PTS90INCS = Straight Blade



135° Outside corner:
PTS135OTCL = Lens
PTS135OTCO = Open
PTS135OTCS = Straight Blade



End cap set:
PTSEP

Linear recessed and surface lighting

Section 4

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Innovative specification grade fixtures utilizing today's most energy efficient light sources.

Philips Lightolier has a rich heritage of providing innovative, high quality recessed and surface lighting solutions for commercial, industrial and institutional markets. The line encompasses a diverse range of products, each designed to answer a specific lighting need. From the most comprehensive recessed soft lighting coffer styled direct/indirect luminaires in the industry to innovative medical patient room lighting and parabolics designed for illuminating computer screens properly, Philips Lightolier features only energy-efficient products that provide effective, glare-free illumination to achieve the highest quality visual environment possible. Philips Lightolier works constantly to develop innovative new products and ensure that each new luminaire meets the most demanding specifications. Carefully designed around the light source, Philips Lightolier recessed and surface products ensure you the best luminaire for the task at hand. Highlighted here are just some of the products that showcase our design abilities.

Contents

Recessed soft lighting > 4.2
Recessed & wall washing > 4.90
Medical luminaires > 4.135
Architectural & surface utility > 4.146
Task lighting > 4.167
Special purpose & industrial > 4.172
General utility > 4.202

Recessed soft lighting

Gain a broader perspective with Soft Lights. Soft Lights encompasses a full range of luminaires, including decorative round, low-glare, recessed, non-directional recessed, solutions for shallow plenums, and more. Every Soft Lights luminaire enhances the quality of the visual environment by embracing the principles of quality visual concepts.

Contents

LED recessed luminaires > 4.4
HP90 family > 4.8
Paraplus II > 4.20
Opalescent family > 4.24
Skyway family > 4.30
Aletta > 4.36
Alter family > 4.38
Alter concept > 4.64
Coffaire family > 4.74
DL Day lighting system > 4.88

Recessed 2' x 2' LED luminaires

Providing illumination virtually indistinguishable from traditional technologies while consuming less energy.

The Philips Lightolier LED recessed luminaire , designed specifically around the led light source, sets a new standard for lighting efficiency, performance and sustainability. With our versatile offering of both contemporary and classical shielding appearances, lighting designers and architects have the ability to utilize a LED light source in any environment. Our LED product families, provide an ideal energy saving fixture for all 2' x 2' recessed T-bar grid and drywall applications.

Construction

- Field replaceable LED array accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment. Designed to keep LEDs below specified maximum temperatures in typical commercial installations.
- Depth = 5"

Electrical system

- Integral, high efficiency driver and power supply.
- Nominal power factor = 0.9.
- Input voltage = 120V-277V, 50/60Hz

LED Facts

LEDs have no breakable glass, their solid-state design renders them impervious to shock, vibration, frequent switching and environmental extremes. With an average lifespan of more than 50,000 hours, these maintenance-free LED luminaires eliminate repeated relamping, and operate in ambient room temperatures of -22°F to +104°F [-30°C to +40°C].

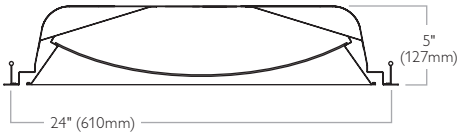
- LEDs contain no toxic materials, hazardous mercury, or halogen gases.
- LEDs emit no ultraviolet (UV) rays or infrared (IR) radiation.
- LEDs do not require a material safety data sheet (MSDS) or hazardous waste disposal.
- LEDs do not produce electro-magnetic interference.

Opalescent LED 2' x 2'

Direct recessed air handling or static luminaires

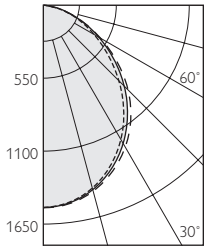
Opalescent 2x2 LED's deep curved lens combined with a regressed frame opening that appears as a cove or skylight. The opal lens subtly highlights the ceiling plenum while shielding the LED's from direct view. Opalescent blends with any architectural environment and creates balanced brightness, illuminating both vertical and horizontal surfaces.

OPS22GPW38A40ULAG



Reference data	
Delivered lumens	3619
Efficiency lm/w	80.6
LED Driver	
Input watts (120V)	44.9W

Candlepower Curve



Ordering information

Type	Size	Delivered lumens	Input watts	Lumens per watt	Avg 8'x10' initial footcandles*	8'x10' Watts per sq. foot	Catalog no.
Static	2' x 2'	2553	30.4	84.0	34	0.38	**OPS22GPW25A40ULAG**
		3167	38.4	82.5	42	0.40	**OPS22GPW33A40ULAG**
		3619	44.9	80.6	48	0.56	**OPS22GPW38A40ULAG**
		4140	52.8	78.4	55	0.66	**OPS22GPW42A40ULAG**

For Air handling housing models substitute OP**S**22 for OP**A**22.
* 42 Recessed LED Luminaires in a 60' x 56' x 9' room with a reflectance of 80/50/20, placed 8' x 10' on center.
Footcandle readings are taken 2½' from floor level.

Example

OPS22G	PW		40	U	LAG	
Opalescent LED Direct Recessed	**Lens shielding** **PW** = High light transmission frost white acrylic lens.	**Lumen**[1] **25A** = 25k lm **33A** = 33k lm **38A** = 38k lm **42A** = 42k lm	**Color temp**[1,2] **40** = 4000K	**Voltage** **UNV** = 120-277V	**Driver**[2] **LAG** = LED Driver	**Options** See page 4.5

1. Approximate delivered values (Consult IES file).
2. Consult representative for other color temperature options and driver dimming options.

Features

- Bold but simple 2½" regressed frame with contoured lens.
- High light transmission frost white acrylic lens.
- Can provide 48 initial footcandles at 0.56 watts per square foot.
- Delivers 3619 lumens with just 44.9 input watts.
- Field replaceable LED array and drivers accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment.
- Factory calibrated intelligent driver capable of providing various lumen outputs to balance energy savings with lighting application needs.
- High efficiency LEDs have 50,000 hour rated life at L70.
- Predicted L70 lifetime is based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- True mitered corner lens frame.
- Door jamb finished black on four sides for positive light stop.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- 5" deep body.
- Black body to dissipate heat from LEDs.
- Earthquake/Hold-down clips.
- Hemmed over side rails for maximum safety.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.
- Not for continuous row mounting.
- Five-year warranty on luminaire, LED boards and driver.

Options & accessories

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.

Skyway LED 2' x 2'

Direct recessed air handling or static luminaires

Skyway 2x2 LED's modern triple lens design features a clear conical prismatic center lens complemented by frosted white acrylic side lenses. Alternating lens textures creates visual interest while shielding the LEDs from direct view and preventing pixilation. The soft, balanced, uniform brightness of Skyway make it ideal for office, institution and healthcare applications.

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Can provide 45 initial footcandles at 0.56 watts per square foot.
- Delivers 3366 lumens with just 44.9 input watts.
- Field replaceable LED array and drivers accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment.
- Factory calibrated intelligent driver capable of providing various lumen outputs to balance energy savings with lighting application needs.
- High efficiency LEDs have 50,000 hour rated life at L70.
- Predicted L70 lifetime is based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Black body to dissipate heat from LEDs.
- 5" deep body.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Earthquake/Hold-down clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.
- Not for continuous row mounting.
- Five-year warranty on luminaire, LED boards and driver.

Options & accessories

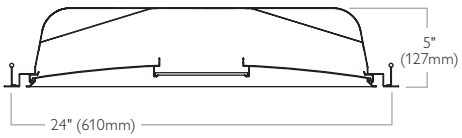
Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.

SKS22GPK33A40ULAG



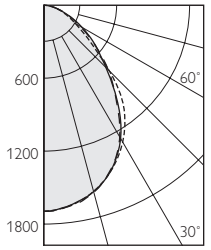
Reference data

Delivered lumens	3366
Efficiency lm/w	75.0

LED Driver

Input watts (120V)	44.9W

Candlepower Curve



Ordering information

Type	Size	Delivered lumens	Input watts	Lumens per watt	Avg 8'x10' initial footcandles*	8'x10' Watts per sq. foot	Catalog no.
		2381	30.4	78.3	32	0.38	**SKS22GPK25A40ULAG**
Static	2' x 2'	3366	44.9	75.0	45	0.56	**SKS22GPK33A40ULAG**
		3851	52.8	72.9	52	0.66	**SKS22GPK38A40ULAG**

For Air handling housing models substitute SK**S**22 for SK**A**22.
* 42 Recessed LED Luminaires in a 60' x 56' x 9' room with a reflectance of 80/50/20, placed 8' x 10' on center.
Footcandle readings are taken 2½' from floor level.

Example	SKS22G			40	U	LAG	
	Skyway LED Direct Recessed	**Lens shielding** **PW** = Pattern 19, 0.156 virgin acrylic center lens with frost white acrylic side lenses. **PP** = Frost white acrylic center lens with frost white acrylic side lenses.	**Lumen**[1] **25A** = 25k lm **33A** = 33k lm **38A** = 38k lm	**Color temp**[1,2] **40** = 4000K	**Voltage** **UNV** = 120-277V	**Driver**[2] **LAG** = LED Driver	**Options** See page 4.6

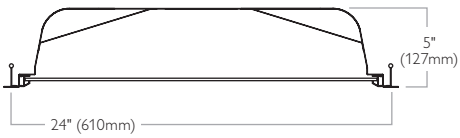
1. Approximate delivered values (Consult IES file).
2. Consult representative for other color temperature options and driver dimming options.

SpecPlus LED 2' x 2'

Direct recessed static luminaires

Easily transition into the new era of the Green office with the SpecPlus LED 2x2 lensed troffer. SpecPlus LED offers a 1/2" regressed extruded aluminum frame with spring loaded latches. The 9/16" wide frame trim gives a 500 square inch aperture. The lens is extruded acrylic, square base male conical prism of .156" overall thickness. Providing excellent obscuration of the light source while controlling volumetric illumination.

SPS22GFSKA38A40ULAG



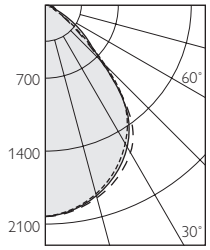
Reference data

Delivered lumens	3621
Efficiency lm/w	85.5

LED Driver

Input watts (120V)	44.9W

Candlepower Curve



Ordering information

Type	Size	Delivered lumens	Input watts	Lumens per watt	Avg 8'x10' initial footcandles*	8'x10' Watts per sq. foot	Catalog no.
Flat steel/aluminum Door frame with KA lens							
Static	2' x 2'	2565	30.0	84.4	35	0.38	**SPS22GFSKA25A40ULAG**
		3158	38.4	82.5	43	0.48	**SPS22GFSKA33A40ULAG**
		3621	44.9	80.6	50	0.56	**SPS22GFSKA38A40ULAG**
		4140	52.8	78.4	57	0.66	**SPS22GFSKA42A40ULAG**
Flat steel/aluminum Door frame with VA lens							
Static	2' x 2'	2722	30.0	89.5	36	0.38	**SPS22GFSVA25A40ULAG**
		3362	38.4	87.6	45	0.48	**SPS22GFSVA33A40ULAG**
		3841	44.9	85.5	52	0.56	**SPS22GFSVA38A40ULAG**
		4397	52.8	83.3	59	0.66	**SPS22GFSVA42A40ULAG**
Regressed aluminum Door frame with KA lens							
Static	2' x 2'	2598	30.0	85.5	35	0.38	**SPS22GRAKA25A40ULAG**
		3194	38.4	83.4	44	0.48	**SPS22GRAKA33A40ULAG**
		3681	44.9	82.0	50	0.56	**SPS22GRAKA38A40ULAG**
		4199	52.8	79.5	58	0.66	**SPS22GRAKA42A40ULAG**
Regressed aluminum Door frame with VA lens							
Static	2' x 2'	2729	30.0	89.8	37	0.38	**SPS22GRAVA25A40ULAG**
		3358	38.4	87.7	45	0.48	**SPS22GRAVA33A40ULAG**
		3860	44.9	86.0	52	0.56	**SPS22GRAVA38A40ULAG**
		4397	52.8	83.3	59	0.66	**SPS22GRAVA42A40ULAG**

* 42 Recessed LED luminaires in a 60' x 56' x 9' room with a reflectance of 80/50/20, placed 8' x 10' on center.
Footcandle readings are taken 2½' from floor level.

Example	SPS22G	PW			40	U	LAG	
	SpecPlus LED Direct recessed	**Lens frame** **FS** = Flat steel frame **FA** = Flat alum. frame **RA** = Regressed aluminum. frame	**Lens shielding** **KA** = 0.156 prismatic acrylic lens **VA** = 0.095 prismatic acrylic lens	**Lumen**[1] **25A** = 25k lm **33A** = 33k lm **38A** = 38k lm **42A** = 42k lm	**Color temp**[1,2] **40** = 4000K	**Voltage** **UNV** = 120-277V	**Driver**[2] **LAG** = LED driver	**Options** See page 4.7

1. Approximate delivered values (Consult IES file).
2. Consult representative for other color temperature options and driver dimming options.

Features

- Prismatic acrylic lens.
- Flat steel Door frame with 500 square inch lens opening.
- Can provide 52 initial footcandles at 0.56 watts per square foot.
- Delivers 3860 lumens with just 44.9 input watts.
- Field replaceable LED array and drivers accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment.
- Factory calibrated intelligent driver capable of providing various lumen outputs to balance energy savings with lighting application needs.
- High efficiency LEDs have 50,000 hour rated life at L70.
- Predicted L70 lifetime is based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Black body to dissipate heat from LEDs.
- 5" deep body.
- Earthquake/Hold-down clips.
- Hemmed over side rails for maximum safety.
- Spring loaded rooster head latches.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.
- Not for continuous row mounting.
- Five-year warranty on luminaire, LED boards and driver.

Options & accessories

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.

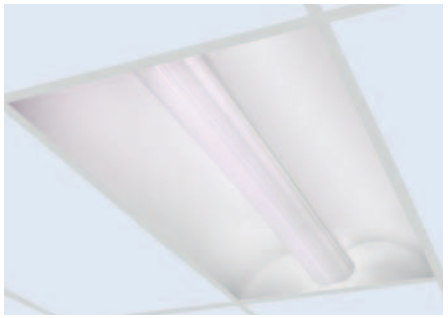
HP90

Direct/indirect recessed luminaires

HP90

Direct/indirect recessed luminaires

The HP90 family continues to grow. Now offered in T5 or T8 lamping as well as air supply and return capabilities. It's an excellent choice when choosing an architectural designed luminaire for LEED compliant office space. HP90 combines a recessed contoured body with an enclosed linear prismatic lens to create an efficient direct/indirect luminaire. HP90 will illuminate both vertical and horizontal surfaces creating balanced brightness.



HP90 T5 2' x 4'

Direct/indirect recessed static luminaires

HP90 combines a recessed contoured body with an enclosed linear prismatic lens to create a 90.4% efficient direct/indirect luminaire. HP90 has an excellent spacing ratio of 1.4 and will illuminate both vertical and horizontal surfaces creating balance brightness while consuming only .63 watts per square foot. It is available in 2' x 4', 2' x 2' and 1' x 4' sizes utilizing T5 lamps. An excellent choice when choosing an architectural designed luminaire for LEED compliant office spaces. The construction pays attention to fit and finish.

Features

- Can provide 54.6 maintained footcandles of balanced brightness illumination at only .68 watts per square foot.
- 87.2% efficient single lamp 28W T5 2' x 4' luminaire.
- 90.4% efficient two lamp 28W T5 2' x 4' luminaire.
- 84.6% efficient two lamp 54W T5HO 2' x 4' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

Options & accessories page 4.130

Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	<10THD
Electronic T5 program start	**PG**
Electronic T5 28W instant start	**WA***†
Electronic T5 28W bi-level step ballast (2 lamp)	**VY**
DALI Ballast	**DA**

* Ballast (**WA**) only available in 120 or 277 volt.

† 56 Input watts 0.93 B.F.

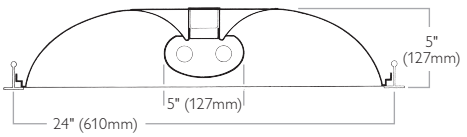
DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical wiring options: Consult factory. For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

H9S2GLR228120WA



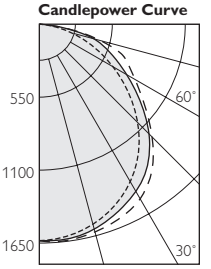
Reference data

Efficiency	90.4%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	54.6W
Ballast factor	0.93

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5	28W	**H9S2GLR228**

Example: **H9S2GLR228** | **120** | **WA** | **A**

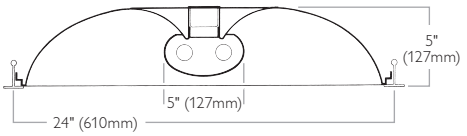
HP90 Direct/indirect Recessed

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast See page 4.10

Options See page 4.10 and page 4.130

H9S2GLR254UNVPG



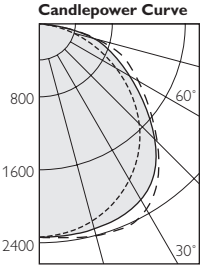
Reference data

Efficiency	84.6%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	112.4W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5HO	54W	**H9S2GLR254**

Example: **H9S2GLR254** | **UNV** | **PG** | **A**

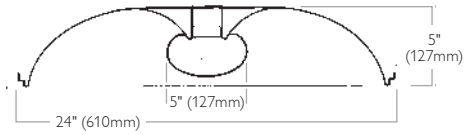
HP90 Direct/indirect Recessed

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast See page 4.10

Options See page 4.10 and page 4.130

H9S2GLR128UNVPG



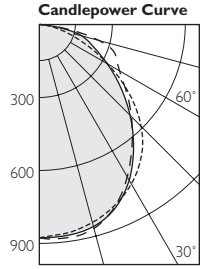
Reference data

Efficiency	87.2%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	31.6W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	1-T5	28W	**H9S2GLR128**
		1-T5HO	54W	**H9S2GLR154**

Example: **H9S2GLR128** | **UNV** | **PG** | **A**

HP90 Direct/indirect Recessed

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

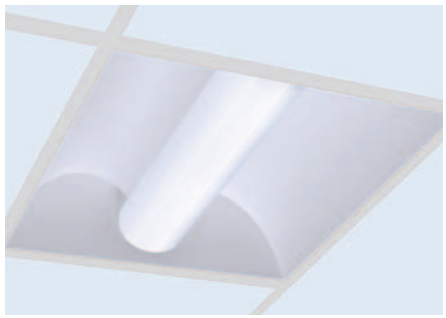
Ballast See page 4.10

Options See page 4.10 and page 4.130

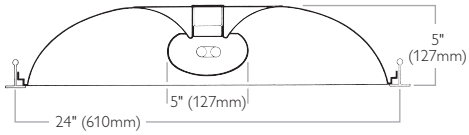
HP90 T5 2' x 2'

Direct/indirect recessed static luminaires

HP90 combines a recessed contoured body with an enclosed linear prismatic lens to create an efficient direct/indirect luminaire.

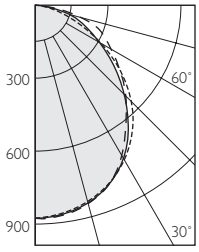


H9S2GLR1FTUNVPR



Reference data	
Efficiency	72.9%
Spacing ratio	1.2
Electronic ballast	
Input watts (120V)	37.6W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	1-TT5	40W	**H9S2GLR1FT**

Example **H9S2GLR1FT** | **UNV** | **IB** | **A**

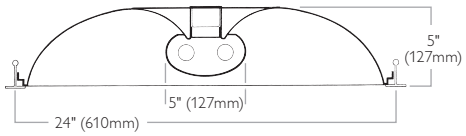
HP90
Direct/indirect
Recessed

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.11

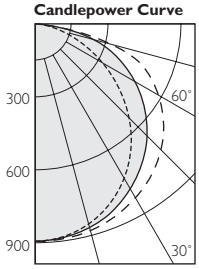
Options
See page 4.11 and page 4.130

H9S2GLR224UNVPG



Reference data	
Efficiency	80.3%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	49.4W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**H9S2GLR214**
		2-T5HO	24W	**H9S2GLR224**

Example **H9S2GLR224** | **UNV** | **PG** | **A**

HP90
Direct/indirect
Recessed

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.11

Options
See page 4.11 and page 4.130

Features

- 72.9% efficient single lamp 40W twin tube T5 2' x 2' luminaire.
- 83.2% efficient one lamp 14W T5 2' x 2' luminaire.
- 80.3% efficient two lamp 24W T5HO 2' x 2' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

Options & accessories page 4.130

Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	<10THD	<20THD
Electronic T5 program start	**PG**	–
Electronic TT5 40W	**PR***	–
Electronic TT5 40W	**IB**	**SB**
Electronic TT5 50W	**BP**	–
Electronic TT5 55W	**BF**	–
Electronic T5 14W bi-level step ballast (2 lamp)	**VY**	–
DALI Ballast	**DA**	–

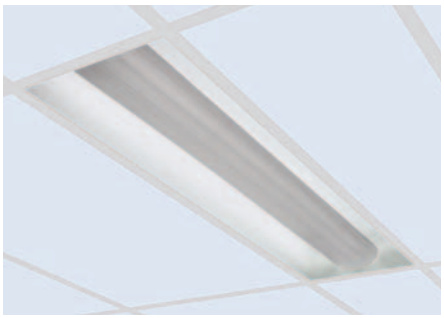
* Program start.

DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.
For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



HP90 T5 1' x 4'

Direct/indirect recessed static luminaires

HP90 combines a recessed contoured body with an enclosed linear prismatic lens to create an efficient direct/indirect luminaire.

Features

- 86.9% efficient one lamp 28W T5 1' x 4' luminaire.
- 88.9% efficient two lamp 28W T5 1' x 4' luminaire.
- 86.5% efficient two lamp 54W T5HO 1' x 4' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

Options & accessories page 4.130

Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	<10THD
Electronic T5 program start	**PG**
Electronic T5 28W instant start	**WA***†
Electronic T5 28W bi-level step ballast (2 lamp)	**VY**
DALI Ballast	**DA**

* Ballast (**WA**) only available in 120 or 277 volt.

† 56 Input watts 0.93 B.F.

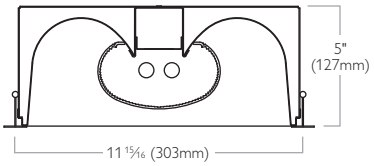
DALI = digital addressable dimming

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Electrical wiring options: Consult factory. For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing)

H9S1GLR228UNVPG



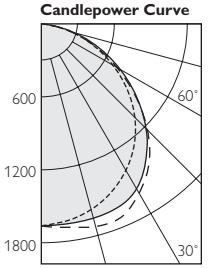
Reference data

Efficiency	88.9%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	63.3W
Ballast factor	1.0

Candlepower Curve



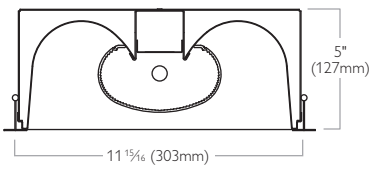
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	2-T5	28W	**H9S1GLR228**
		2-T5HO	54W	**H9S1GLR254**

Example

H9S1GLR228	**UNV**	**PG**	**A**
HP90 Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.12	**Options** See page 4.12 and page 4.130

H9S1GLR128UNVPG



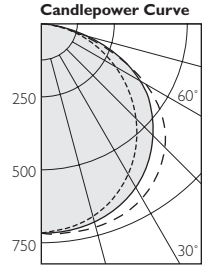
Reference data

Efficiency	86.9%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	32.6W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	1-T5	28W	**H9S1GLR128**
		1-T5HO	54W	**H9S1GLR154**

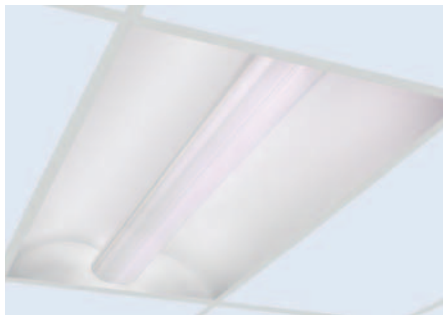
Example

H9S1GLR128	**120**	**PG**	**A**
HP90 Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.12	**Options** See page 4.12 and page 4.130

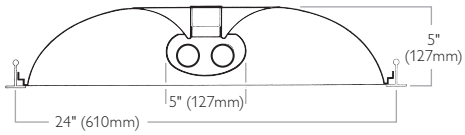
HP90 T8 2' x 4'

Direct/indirect recessed static luminaires

HP90 T8 combines a recessed contoured body with an enclosed linear prismatic lens to create a 85.2% efficient direct/indirect luminaire. HP90 has an excellent spacing ratio of 1.4 and will illuminate both balanced vertical and horizontal surfaces creating balance brightness. It is available in 2' x 4', 2' x 2' and 1' x 4' sizes utilizing T8 lamps. An excellent choice when choosing an architectural designed luminaire for LEED compliant office spaces. The construction pays attention to fit and finish.

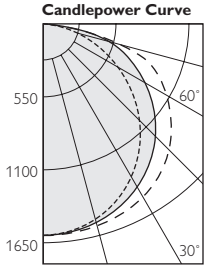


H9S2GLR232UNVHI



Reference data	
Efficiency	85.2%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	59.7W
Ballast factor	0.88

Candlepower Curve



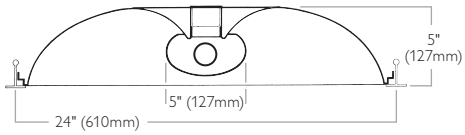
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**H9S2GLR232**

Example **H9S2GLR232**

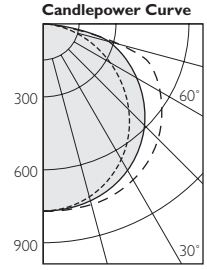
HP90	**UNV**	**HI**	**A**
Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.13	**Options** See page 4.13 and page 4.130

H9S2GLR132UNVHI



Reference data	
Efficiency	85.2%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	31.2W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	1-T8	32W	**H9S2GLR132**

Example **H9S2GLR132**

HP90	**UNV**	**HI**	**A**
Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.13	**Options** See page 4.13 and page 4.130

Features

- 85.2% efficient single lamp 32W T8 2' x 4' luminaire.
- 85.2% efficient two lamp 32W T8 2' x 4' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

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Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	<10THD	<20THD
Electronic T8 (1 or 2 lamp)	**HI***	**SO***
Electronic T8 (1 or 2 lamp)	**P2****	–
LOL Dimming T8	**PS**	–
Electronic T8 32W bi-level step ballast (2 lamp)	**V2**	–
DALI Ballast	**DA**	–

* Instant start. Standard.

** Program start.

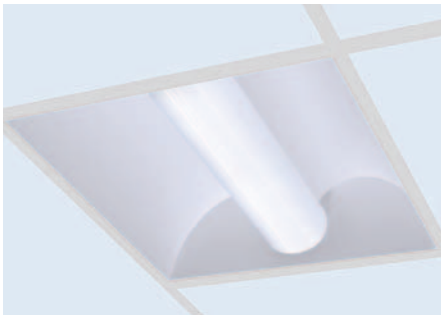
DALI = digital addressable dimming

Other dimming options consult factory.
Note: For **T8 UNV**, you must use **HI** or **P2** ballast code.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical wiring options: Consult factory.
For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing)



HP90 T8 2' x 2'

Direct/indirect recessed static luminaires

HP90 T8 combines a recessed contoured body with an enclosed linear prismatic lens to create an efficient direct/indirect luminaire.

Features

- 82.5% efficient one lamp 17W T8 2' x 2' luminaire.
- 80.3% efficient two lamp 17W T8 2' x 2' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

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Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	<10THD	<20THD
Electronic T8 (1 or 2 lamp)	**HI***, **P2****	**SO***
LOL Dimming T8	**PS**	–
DALI Ballast	**DA**	–

* Instant start. Standard.

** Program start.

DALI = digital addressable dimming

Other dimming options consult factory.

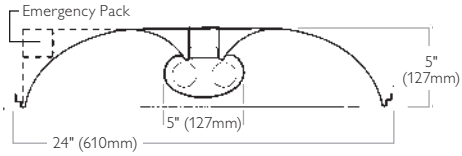
Note: For **T8 UNV**, you must use **HI** or **P2** ballast code.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.
For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing)

H9S2GLR217UNVHI



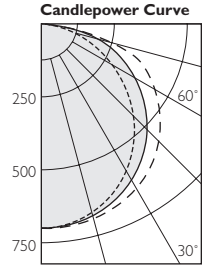
Reference data

Efficiency	80.3%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	30.6W
Ballast factor	0.88

Candlepower Curve



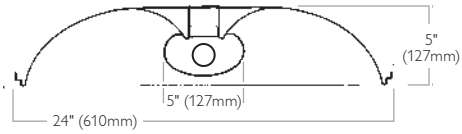
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T8	17W	**H9S2GLR217**

Example

H9S2GLR217	UNV	HI	A
HP90 Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.14	**Options** See page 4.14 and page 4.130

H9S2GLR117UNVHI



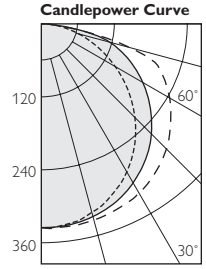
Reference data

Efficiency	82.5%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	16.7W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	1-T8	17W	**H9S2GLR117**

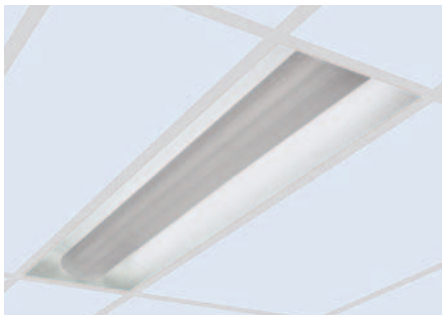
Example

H9S2GLR117	UNV	HI	A
HP90 Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.14	**Options** See page 4.14 and page 4.130

HP90 T8 1' x 4'

Direct/indirect recessed static luminaires

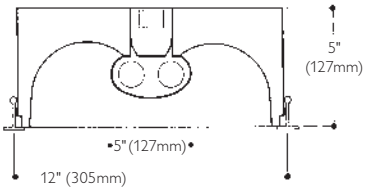
HP90 T8 combines a recessed contoured body with an enclosed linear prismatic lens to create an efficient direct/indirect luminaire.



Features

- 77.8% efficient one lamp 32W T8 1' x 4' luminaire.
- 78.4% efficient two lamp 32W T8 1' x 4' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

H9S1GLR232UNVHI



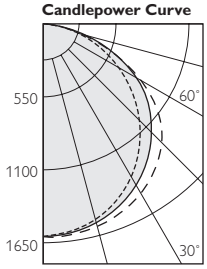
Reference data

Efficiency	78.4%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	59.4W
Ballast factor	0.88

Candlepower Curve



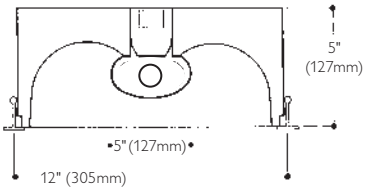
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	2-T8	32W	**H9S1GLR232**

Example **H9S1GLR232**

HP90	UNV	HI	A
HP90 Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.15	**Options** See page 4.15 and page 4.130

H9S1GLR132UNVHI



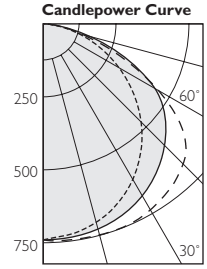
Reference data

Efficiency	77.8%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	29.4W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	1-T8	32W	**H9S1GLR132**

Example **H9S1GLR132**

HP90	UNV	HI	A
HP90 Direct/indirect Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.15	**Options** See page 4.15 and page 4.130

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Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	<10THD	<20THD
Electronic T8 (1 or 2 lamp)	**HI***, **P2****	**SO***
LOL Dimming T8	**PS**	–
Electronic T8 32W bi-level step ballast (2 lamp)	**V2**	–
DALI Ballast	**DA**	–

* Instant start. Standard

** Program start.

DALI = digital addressable dimming

Other dimming options consult factory.

Note: For **T8 UNV**, you must use **HI** or **P2** ballast code.

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Electrical wiring options: Consult factory.
For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing)

HP90 Air 2' x 4'

Direct/indirect recessed air handling luminaires

HP90 Air combines a recessed contoured body with an enclosed linear prismatic lens to create an efficient direct/indirect luminaire with air supply or return capabilities. HP90 Air will illuminate both vertical and horizontal surfaces creating balance brightness. It is available in 2' x 4' and 2' x 2' sizes. An excellent choice when choosing an architectural designed luminaire for LEED compliant office spaces. The construction pays attention to fit and finish.

Features

- 90.4% efficient two lamp 28W T5 2' x 4' luminaire.
- 85.2% efficient two lamp 32W T8 2' x 4' luminaire.
- Direct/indirect appearance with soft contoured interior.
- air supply or Return.
- Air return model meets UL 1598, paragraph 9.2.2.5 requirements.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

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Ballast type	<10THD	<20THD
Electronic T5 program start	**PG**	–
Electronic T5 28W instant start	**WA***†	–
Electronic T5 28W bi-level step ballast (2 lamp)	**VY**	–
Electronic T8 (1 or 2 lamp)	**HI***, **P2****	**SO***
LOL Dimming T8	**PS**	–
Electronic T8 32W bi-level step ballast (2 lamp)	**V2**	–
DALI Ballast	**DA**	–

* Instant start. Standard (**WA** Ballast only available in 120 or 277 volt)

** Program start.

† 56 Input watts 0.93 B.F.

DALI = digital addressable dimming

Other dimming options consult factory.

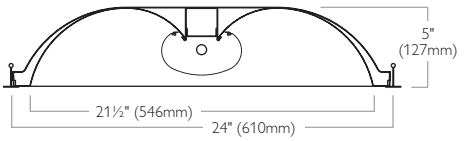
Note: For **T8 UNV**, you must use **HI** or **P2** ballast code.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical wiring options: Consult factory. For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

H9A2GLR128UNVPG



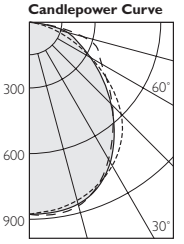
Reference data

Efficiency	87.2%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	31.6W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Air supply and return	2' x 4'	1-T5	28W	**H9A2GLR128**
		1-T5HO	54W	**H9A2GLR154**
		2-T5	28W	**H9A2GLR228**
		2-T5HO	54W	**H9A2GLR254**

Example **H9A2GLR228**

HP90 Air
Direct/indirect recessed air supply and return

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

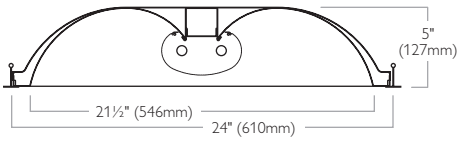
PG

Ballast
See page 4.16

A

Options
See page 4.16 and page 4.130

H9A2GLR228120WA



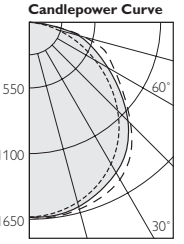
Reference data

Efficiency	90.4%
Spacing ratio	1.4

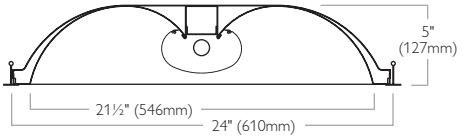
Electronic ballast

Input watts (120V)	54.6W
Ballast factor	0.93

Candlepower Curve



H9A2GLR132UNVHI



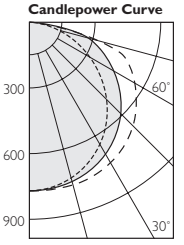
Reference data

Efficiency	85.2%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	31.2W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Air supply and return	2' x 4'	1-T8	32W	**H9A2GLR132**
		2-T8		**H9A2GLR232**

Example **H9A2GLR232**

HP90 Air
Direct/indirect recessed air supply and return

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

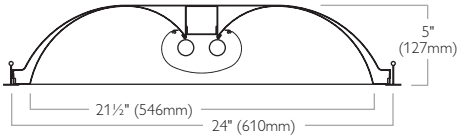
HI

Ballast
See page 4.16

A

Options
See page 4.16 and page 4.130

H9A2GLR232UNVHI



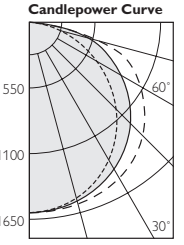
Reference data

Efficiency	85.2%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	59.7W
Ballast factor	0.88

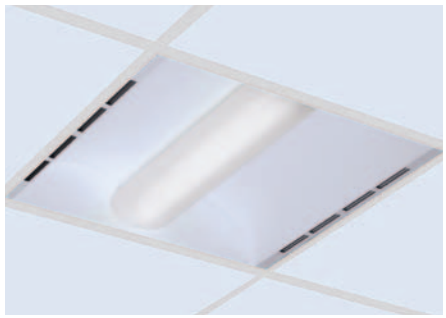
Candlepower Curve



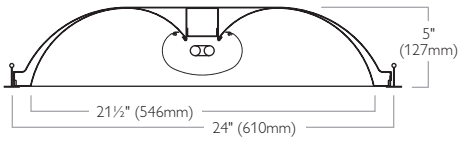
HP90 Air 2' x 2'

Direct/indirect recessed air handling luminaires

HP90 Air combines a recessed contoured body with an enclosed linear prismatic lens to create an efficient direct/indirect luminaire with air supply or return capabilities. HP90 Air will illuminate both vertical and horizontal surfaces creating balance brightness. It is available in 2' x 4' and 2' x 2' sizes. An excellent choice when choosing an architectural designed luminaire for LEED compliant office spaces. The construction pays attention to fit and finish.



H9A2GLR1FTUNVPR



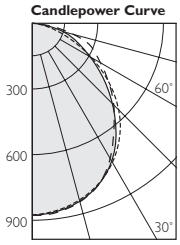
Reference data

Efficiency	72.9%
Spacing ratio	1.2

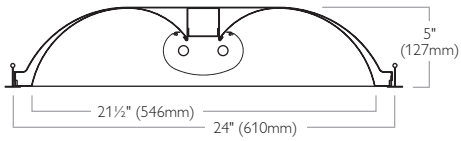
Electronic ballast

Input watts (120V)	37.6W
Ballast factor	1.0

Candlepower Curve



H9A2GLR224UNVPG



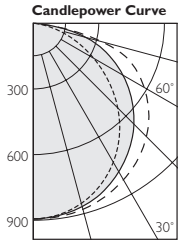
Reference data

Efficiency	80.3%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	49.4W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Air supply and return	2' x 2'	1-TT5	40W	**H9A2GLR1FT**
		2-T5	14W	**H9A2GLR214**
		2-T5HO	24W	**H9A2GLR224**

Example **H9A2GLR214**

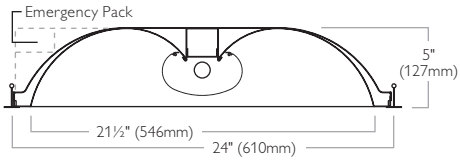
HP90 Air
Direct/indirect recessed air supply and return

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG
Ballast
See page 4.17

A
Options
See page 4.17 and page 4.130

H9A2GLR117UNVHI



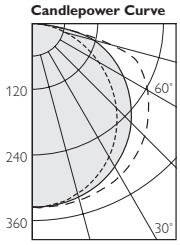
Reference data

Efficiency	82.5%
Spacing ratio	1.4

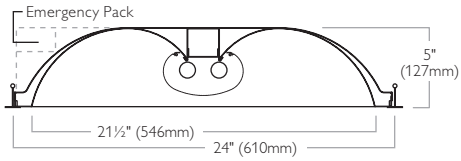
Electronic ballast

Input watts (120V)	16.7W
Ballast factor	0.88

Candlepower Curve



H9A2GLR217UNVHI



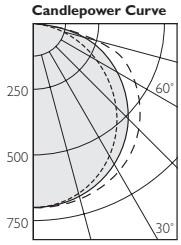
Reference data

Efficiency	80.3%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	30.6W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Air supply and return	2' x 2'	1-T8	17W	**H9A2GLR117**
		2-T8		**H9A2GLR217**

Example **H9A2GLR232**

HP90 Air
Direct/indirect recessed air supply and return

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI
Ballast
See page 4.17

A
Options
See page 4.17 and page 4.130

Features

- 72.9% efficient single lamp 40W Twin tube T5 2' x 2' luminaire.
- 83.2% efficient one lamp 14W T5 2' x 2' luminaire.
- 80.3% efficient two lamp 24W T5HO 2' x 2' luminaire.
- Direct/indirect appearance with soft contoured interior.
- air supply or Return.
- Air return model meets UL 1598, paragraph.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast iGEN technology accepts digital dimming commands from computers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

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Ballast type	<10THD	<20THD
Electronic T5 program start	**PG**	–
Electronic TT5 40W	**IB**	**SB**
Electronic TT5 50W	**BP**	–
Electronic TT5 55W	**BF**	–
Electronic T5 14W bi-level step ballast (2 lamp)	**VY**	–
Electronic T8 (1 or 2 lamp)	**HI***, **P2****	**SO***
LOL Dimming T8	**PS**	–
DALI Ballast	**DA**	–

* Instant start. Standard

** Program start.

DALI = digital addressable dimming

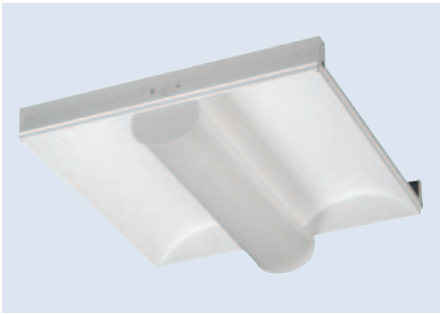
Other dimming options consult factory.

Note: For **T8 UNV**, you must use **HI** or **P2** ballast code.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.
For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



HP90 2' x 4' & 2' x 2'

Direct/indirect semi-recessed static luminaires

HP90 Drop Lens ~ Semi Recessed offers T5 lamp options in a body that is only recessed 2 ¼". The translucent linear prismatic lens and softly contoured body, create a pleasing architectural statement that is evenly illuminated. Its broad light distribution illuminates both horizontal and vertical surfaces, creating a soft balanced brightness in any space that enhances visual acuity.

Features

- Only 2-1/4" plenum depth.
- 87.0% efficient single lamp 28W T5 2' x 4' luminaire.
- 88.5% efficient two lamp 28W T5 2' x 4' luminaire.
- 78.2% efficient single lamp 40W Twin tube T5 2' x 2' luminaire.
- 77.1% efficient two lamp 24 watt T5 2' x 2' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Lamp shield opens from either side.
- Ballast accessible from room side.
- Wiring access plate standard.
- Optional DALI ballast iGEN Technology accepts digital dimming controllers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.

Options & accessories page 4.130

Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	<10THD
40W TT5	**PR**
Electronic T5 program start	**PG**
Electronic T5 28W instant start	**WA***†
Electronic T5 14W/28W bi-level step ballast (2 lamp)	**VY**
DALI Ballast	**DA**

* Ballast (**WA**) only available in 120 or 277 volt.

† 56 Input watts 0.93 B.F.

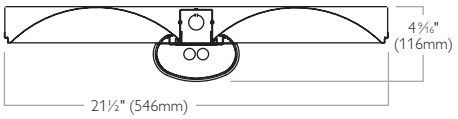
DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.
For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

HDS2GLW228120WA



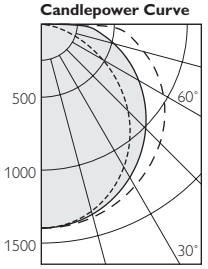
Reference data

Efficiency	88.5%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	54.1W
Ballast factor	0.93

Candlepower Curve



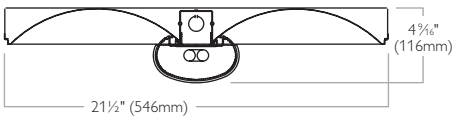
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	1-T5	28W	**HDS2GLW128**
		2-T5	28W	**HDS2GLW228**
		1-T5HO	54W	**HDS2GLW154**
		2-T5HO	54W	**HDS2GLW254**

Example

HDS2GLW228	120	WA	A
HP90 Semi-recessed Direct/indirect recessed static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.18	**Options** See page 4.18 and page 4.130

HDS2GLW1FTUNVPR



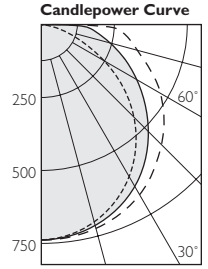
Reference data

Efficiency	78.2%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	38.4W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**HDS2GLW214**
		2-T5HO	24W	**HDS2GLW224**
		1-Twin tube T5	40W	**HDS2GLW1FT**

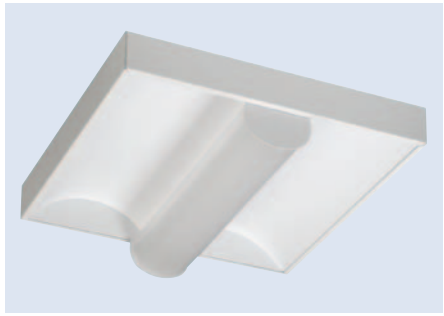
Example

HDS2GLW1FT	UNV	PR	A
HP90 Semi-recessed Direct/indirect recessed static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.18	**Options** See page 4.18 and page 4.130

HP90 2'x 4' & 2'x 2'

Direct/indirect surface-mounted static luminaires

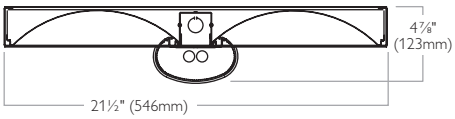
HP90 Drop Lens ~ Surface Mounted offers T5 lamp options in a body that is only 2-17/32" deep. The translucent linear prismatic lens and softly contoured body, create a pleasing architectural statement that is evenly illuminated. Its broad light distribution illuminates both horizontal and vertical surfaces, creating a soft balanced brightness in any space that enhances visual acuity.



Features

- 88.5% efficient two lamp 28W 2' x 4' luminaire.
- 87.0% efficient single lamp 28W 2' x 4' luminaire.
- 77.1% efficient two lamp 24W T5HO 2' x 2' luminaire.
- 78.2% efficient single lamp 40W twin tube T5 2' x 2' luminaire.
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Lamp shield opens from either side.
- Ballast accessible from room side.
- Built-in earthquake clips.
- Optional DALI ballast iGEN Technology accepts digital dimming controllers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum requirement available.
- Not for continuous row mounting.

HDB2SLW228120WA



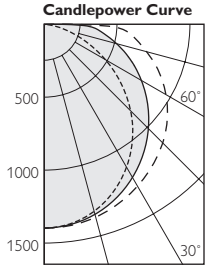
Reference data

Efficiency	88.5%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	54.1W
Ballast factor	0.93

Candlepower Curve



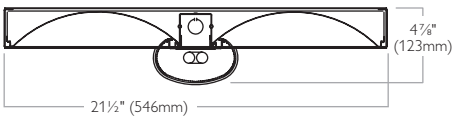
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	1-T5	28W	**HDB2SLW128**
		2-T5	28W	**HDB2SLW228**
		1-T5HO	54W	**HDB2SLW154**
		2-T5HO	54W	**HDB2SLW254**

Example

HDB2SLW228	**120**	**WA**	**A**
HP90 Surface mounted Direct/indirect recessed static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.19	**Options** See page 4.19 and page 4.130

HDB2SLW1FTUNVPR



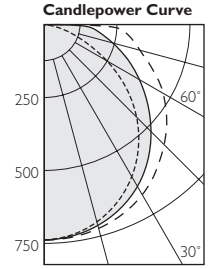
Reference data

Efficiency	78.2%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	38.4W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**HDB2SLW214**
		2-T5HO	24W	**HDB2SLW224**
		1-Twin tube T5	40W	**HDB2SLW1FT**

Example

HDB2SLW1FT	**UNV**	**PR**	**A**
HP90 Surface mounted Direct/indirect recessed static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.19	**Options** See page 4.19 and page 4.130

Options & accessories page 4.130

Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Rust preventive undercoating. Reflector – low iridescence specular aluminum 95% reflectance.

Ballast type	**<10THD**
40 W TT5	**PR**
Electronic T5 program start	**PG**
Electronic T5 28W instant start	**WA***†
Electronic T5 14W/28W bi-level step ballast (2 lamp)	**VY**
DALI Ballast	**DA**

* Ballast (**WA**) only available in 120 or 277 volt.

† 56 Input watts 0.93 B.F.

DALI = digital addressable dimming

Electrical wiring options: Consult factory. For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

Paraplus II 2' x 4'

Direct/indirect louver air return or static recessed luminaires

Paraplus II is an architecturally styled recessed luminaire that combines the features of a parabolic louver and an indirect cove to create an aesthetically pleasing direct/indirect appearance.

Features

- Direct/indirect louver appearance with soft contoured interior.
- 12 cell flat white louver with prismatic lens overlay.
- 67.8% efficient three lamp T8 2' x 4' luminaire.
- 82.0% efficient two lamp T5 2' x 4' luminaire.
- 72.1% efficient two lamp T8 2' x 4' luminaire.
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Air return standard (meets UL requirements).
- Static optional.
- Louver hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Built in earthquake clips.
- Housing is available in 20 gauge steel that meets NYC requirements.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–

* Instant start.

** Program start.

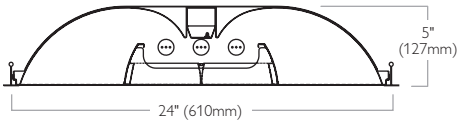
Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

PPH2G12FW332UNVH3



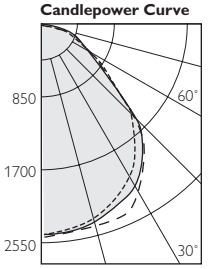
Reference data

Efficiency	67.8%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	85W

Candlepower Curve



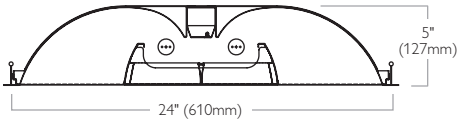
Ordering information

Type	Size	Lamp qty–type	Louver overlay	Catalog no.
Air return	2' x 4'	3-T8	P20	**PPH2G12FW332**
			P20 & white overlay	**PPH2G12FO332**
			Matte white lens	**PPH2G12FM332**
Static	2' x 4'	3-T8	P20	**PPS2G12FW332**
			P20 & white overlay	**PPS2G12FO332**
			Matte white lens	**PPS2G12FM332**

Example **PPH2G12FW332** | **UNV** | **H3** | **A**

Paraplus	Voltage	Ballast	Options
Recessed direct/indirect	120, 277 or UNV (120-277)	See page 4.20	See page 4.20 and page 4.130

PPH2G12FW232UNVHI



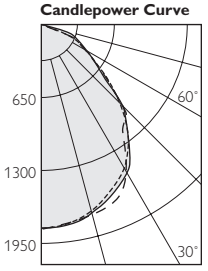
Reference data

Efficiency	72.1%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	62W

Candlepower Curve



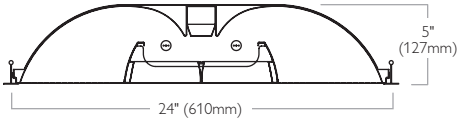
Ordering information

Type	Size	Lamp qty–type	Louver overlay	Catalog no.
Air return	2' x 4'	2-T8	P20	**PPH2G12FW232**
			P20 & white overlay	**PPH2G12FM232**
			Matte white lens	**PPH2G12FO232**
Static	2' x 4'	2-T8	P20	**PPS2G12FW232**
			P20 & white overlay	**PPS2G12FO232**
			Matte white lens	**PPS2G12FM232**

Example **PPH2G12FW232** | **UNV** | **HI** | **A**

Paraplus	Voltage	Ballast	Options
Recessed direct/indirect	120, 277 or UNV (120-277)	See page 4.20	See page 4.20 and page 4.130

PPS2G12FW254UNVPG



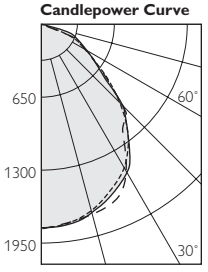
Reference data

Efficiency	82.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	120W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Louver overlay	Catalog no.
Air return	2' x 4'	2-T5HO	P20	**PPS2G12FW254**
			P20 & white overlay	**PPS2G12FO254**
			Matte white lens	**PPS2G12FM254**
Static	2' x 4'	2-T5	P20	**PPS2G12FW228**
			P20 & white overlay	**PPS2G12FO228**
			Matte white lens	**PPS2G12FM228**

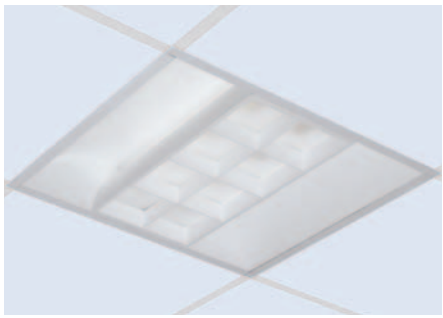
Example **PPS2G12FW254** | **UNV** | **PG** | **A**

Paraplus	Voltage	Ballast	Options
Recessed direct/indirect	120, 277 or UNV (120-277)	See page 4.20	See page 4.20 and page 4.130

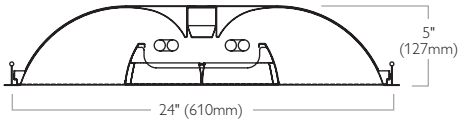
Paraplus II 2' x 2'

Direct/indirect louver air return or static recessed luminaires

Paraplus II is an architecturally styled recessed luminaire that combines the features of a parabolic louver and an indirect cove to create an aesthetically pleasing direct/indirect appearance.



PPH2G8FW2FT120SB



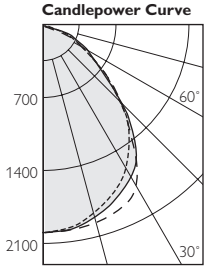
Reference data

Efficiency	72.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	72.6W

Candlepower Curve



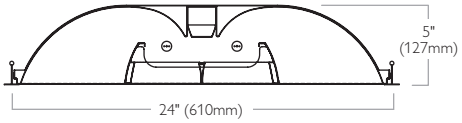
Ordering information

Type	Size	Lamp qty–type	Louver overlay	Catalog no.
Air return	2' x 2'	2-TT5	P20	**PPH2G8FW2FT**
			P20 & white overlay	**PPH2G8FO2FT**
			Matte white lens	**PPH2G8FM2FT**
Static	2' x 2'	2-TT5	P20	**PPS2G8FW2FT**
			P20 & white overlay	**PPS2G8FO2FT**
			Matte white lens	**PPS2G8FM2FT**

Example

PPH2G8FW2FT	**120**	**SB**	**A**
Paraplus	**Voltage**	**Ballast**	**Options**
Recessed direct/indirect	120, 277 or UNV (120-277)	See page 4.21	See page 4.21 and page 4.130

PPS2G8FW224UNVPG



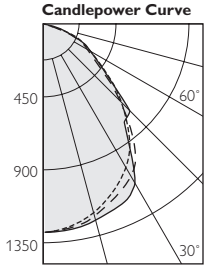
Reference data

Efficiency	71.4%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	56.9W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Louver overlay	Catalog no.
Static	2' x 2'	2-T5	P20	**PPS2G8FW214**
			P20 & white overlay	**PPS2G8FO214**
			Matte white lens	**PPS2G8FM214**
		2-T5HO	P20	**PPS2G8FW224**
			P20 & white overlay	**PPS2G8FO224**
			Matte white lens	**PPS2G8FM224**
		2-T8	P20	**PPS2G8FW217**
			P20 & white overlay	**PPS2G8FO217**
			Matte white lens	**PPS2G8FM217**
		3-T8	P20	**PPS2G8FW317**
			P20 & white overlay	**PPS2G8FO317**
			Matte white lens	**PPS2G8FM317**

Example

PPS2G8FW224	**UNV**	**PG**	**A**
Paraplus	**Voltage**	**Ballast**	**Options**
Recessed direct/indirect	120, 277 or UNV (120-277)	See page 4.21	See page 4.21 and page 4.130

Features

- Direct/indirect louver appearance with soft contoured interior.
- 8 cell flat white louver with prismatic lens overlay.
- 72.0% efficient two lamp TT5 2' x 2' luminaire.
- 71.4% efficient two lamp T5HO 2' x 2' luminaire.
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Air return standard (meets UL requirements).
- Static optional.
- Louver hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Built in earthquake clips.
- Housing is available in 20 gauge steel that meets NYC requirements.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic TT5	**IB***	**SB***
Electronic T5	**PG**	–

* Instant start.

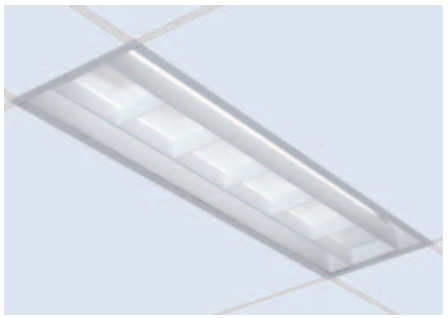
** Program start.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Paraplus II 1' x 4'

Direct/indirect louver air return or static recessed luminaires

Paraplus II is an architecturally styled recessed luminaire that combines the features of a parabolic louver and an indirect cove to create an aesthetically pleasing direct/indirect appearance.

Features

- Direct/indirect louver appearance with soft contoured interior.
- 6 cell flat white louver with prismatic lens overlay.
- 60.2% efficient two lamp T8 1' x 4' luminaire.
- 67.5% efficient single lamp T5HO 1' x 4' luminaire.
- 71.4% efficient two lamp T5HO 1' x 4' luminaire.
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Air return standard (meets UL requirements).
- Static optional.
- Louver hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- 4 earthquake clips standard.
- Housing is 20 gauge steel, meets NYC requirements.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
Electronic T5	**PG**	–

* Instant start.

** Program start.

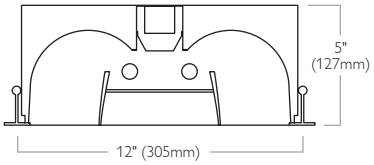
Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

PPH1G6FW232UNVHI



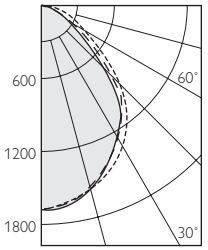
Reference data

Efficiency	60.2%
Spacing ratio	1.1

Electronic ballast

Input watts (120V)	64.1W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Louver overlay	Catalog no.
Air return	1' x 4'	2-T8	P20	**PPH1G6FW232**
			P20 & white overlay	**PPH1G6FO232**
			Matte white lens	**PPH1G6FM232**

Example **PPH1G6FW232** | **UNV** | **HI** | **A**

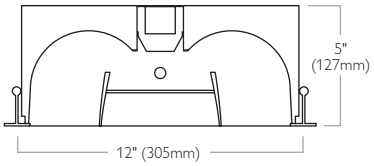
Paraplus
Recessed direct/indirect

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.22

Options
See page 4.22 and page 4.130

PPS1G6FW154UNVPG



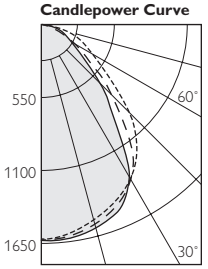
Reference data

Efficiency	67.5%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	60.7W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Louver overlay	Catalog no.
Static	1' x 4'	2-T5HO	P20	**PPS1G6FW254**
			P20 & white overlay	**PPS1G6FO254**
			Matte white lens	**PPS1G6FM254**
		1-T5HO	P20	**PPS1G6FW154**
			P20 & white overlay	**PPS1G6FO154**
			Matte white lens	**PPS1G6FM154**
		2-T5	P20	**PPS1G6FW228**
			P20 & white overlay	**PPS1G6FO228**
			Matte white lens	**PPS1G6FM228**

Example **PPS1G6FW154** | **UNV** | **PG** | **A**

Paraplus
Recessed direct/indirect

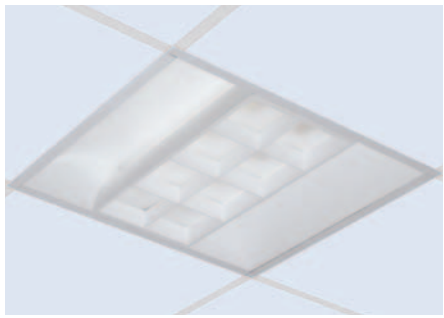
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

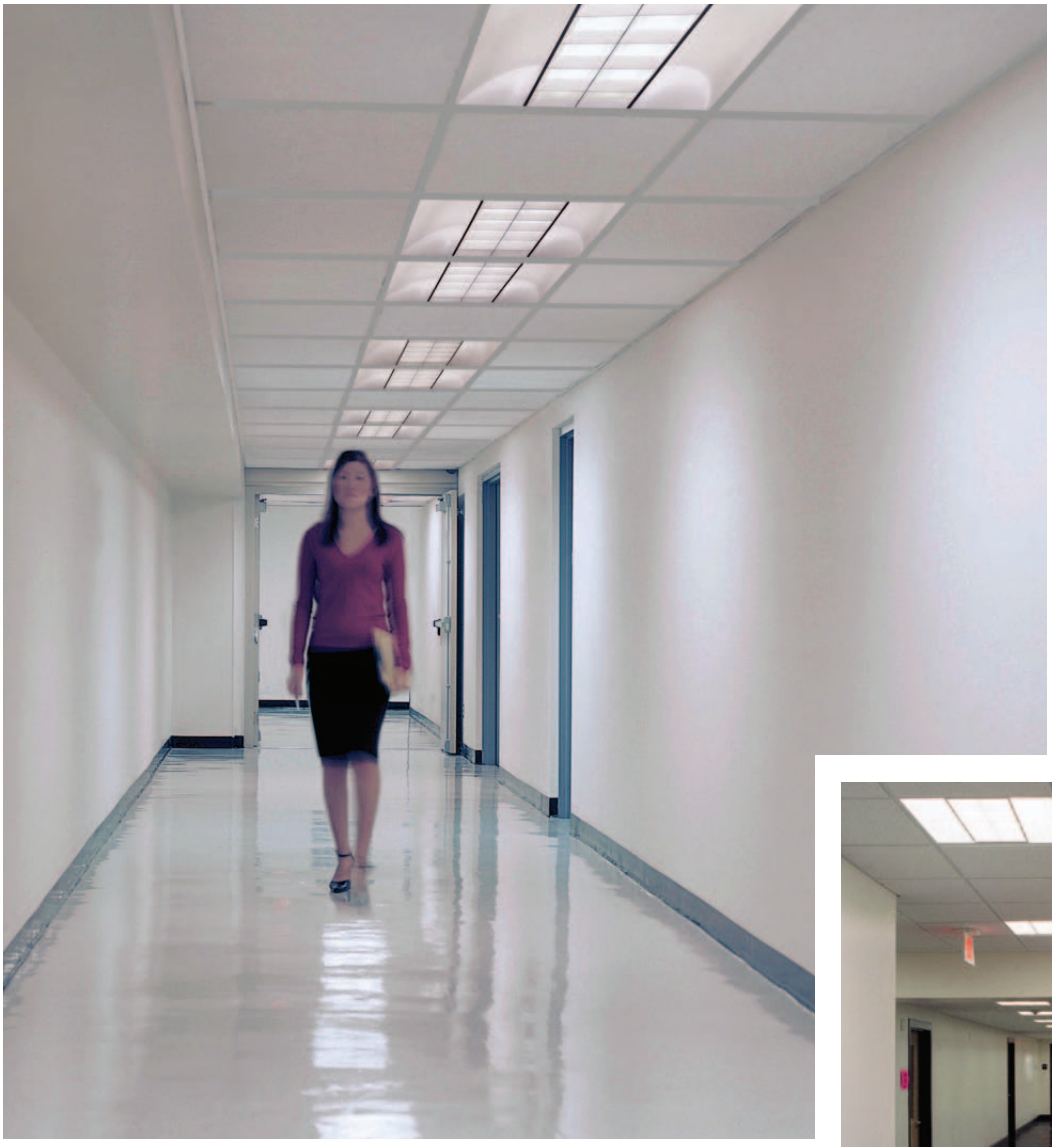
Ballast
See page 4.22

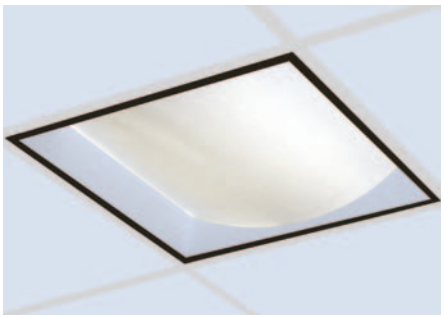
Options
See page 4.22 and page 4.130

Paraplus II

Direct/indirect louver air return or static recessed luminaires



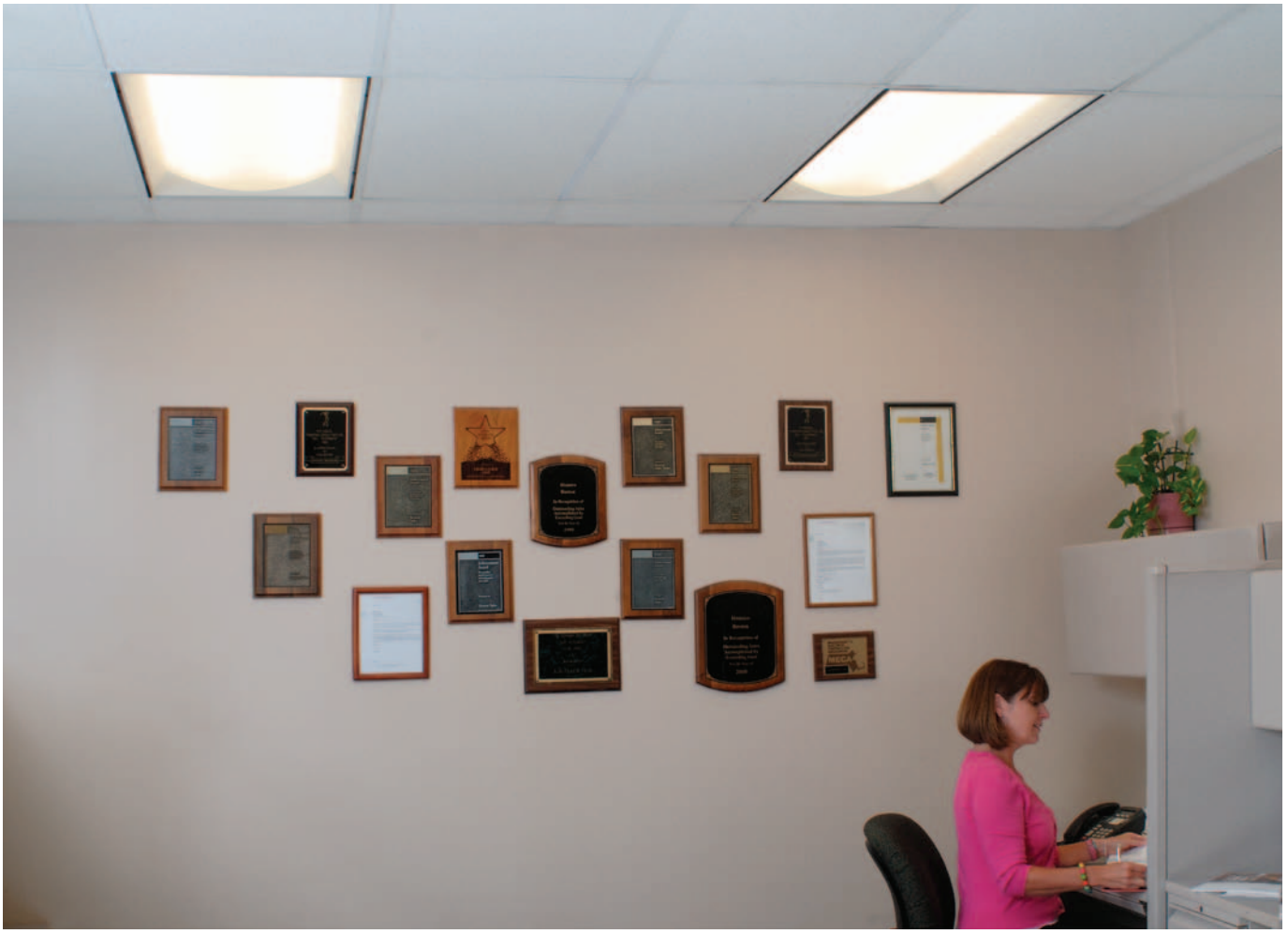




Opalescent

Premium specification recessed air handling or static luminaires

Opalescent's 2 ½" regressed frame with contoured lens, made of a high light transmission frost white acrylic, creates a bold but simple appearance that will blend with any architectural environment. The Opalescent lens frame assembly, designed with precision mitered side rails and integrated spring loaded latches, allows for simple installation and maintenance of the lamps and ballast.



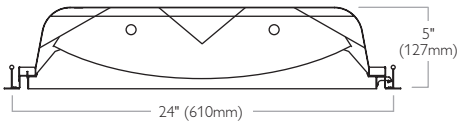
The exterior of the Opalescent housing is black and incorporates eyeleted heat removal vents on the end caps, creating an environment for a cooler ballast operating temperature. The internal reflector system is powder coated with our 95% reflective white paint. When matched with the high light transmission frost white acrylic lens it gives the Opalescent efficiencies that qualify for many rebate programs, making it a true energy and cost saving choice.

Opalescent T5 2' x 4'

Premium specification recessed air handling or static luminaires

Opalescent's 2 ½" regressed frame with contoured lens, made of a high light transmission frost white acrylic, creates a bold but simple appearance that will blend with any architectural environment. The Opalescent lens frame assembly, designed with precision mitered side rails and integrated spring loaded latches, allows for simple installation and maintenance of the lamps and ballast. The exterior of the Opalescent housing is black and incorporates eyeleted heat removal vents on the end caps, creating an environment for a cooler ballast operating temperature. The internal reflector system is powder coated with our 95% reflective white paint. When matched with the high light transmission frost white acrylic lens it gives the Opalescent efficiencies that qualify for many rebate programs, making it a true energy and cost saving choice.

OPA2GPW228UNVPG



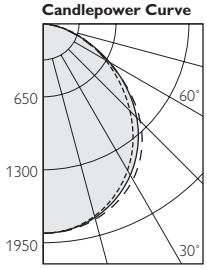
Reference data

Efficiency	86.8%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	62.7W
Ballast factor	1

Candlepower Curve



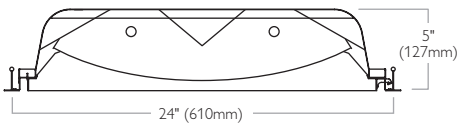
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5	28W	**OPS2GPW228**
Air handling	2' x 4'	2-T5	28W	**OPA2GPW228**

Example

OPA2GPW228	UNV	PG	A
Opalescent Frost white contoured lens design Air handling or static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.25	**Options** See page 4.25 and page 4.130

OPA2GPW254UNVPG



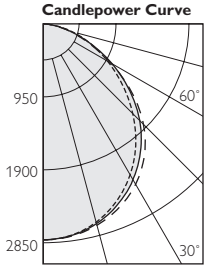
Reference data

Efficiency	79.5%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	115.0W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5HO	54W	**OPS2GPW254**
Air handling	2' x 4'	2-T5HO	54W	**OPA2GPW254**

Example

OPA2GPW254	UNV	PG	A
Opalescent Frost white contoured lens design Air handling or static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.25	**Options** See page 4.25 and page 4.130

Features

- Bold but simple 2-1/2" regressed frame with contoured lens.
- High light transmission frost white acrylic lens.
- True mitered corner lens frame.
- 86.8% efficient two lamp 28W T5 2' x 4' luminaire.
- 79.5% efficient two lamp 54W T5HO 2' x 4' luminaire.
- Internal reflector coated with 95% reflective white paint.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast type	<10THD
Electronic T5 program start	**PG**
Electronic T5 28W instant start	**WA***†
Electronic T5 28W bi-level step ballast (2 lamp)	**VY**
DALI Ballast	**DA**

* Ballast (**WA**) only available in 120 or 277 volt.

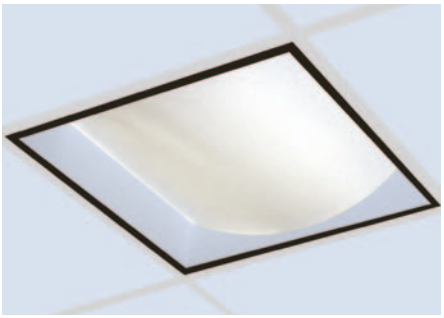
† 56 Input watts 0.93 B.F.

DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Opalescent T5 2' x 2'

Premium specification recessed air handling or static luminaires

Opalescent's 2 ½" regressed frame with contoured lens, made of a high light transmission frost white acrylic, creates a bold but simple appearance that will blend with any architectural environment. The Opalescent lens frame assembly, designed with precision mitered side rails and integrated spring loaded latches, allows for simple installation and maintenance of the lamps and ballast. The exterior of the Opalescent housing is black and incorporates eyeleted heat removal vents on the end caps, creating an environment for a cooler ballast operating temperature. The internal reflector system is powder coated with our 95% reflective white paint. When matched with the high light transmission frost white acrylic lens it gives the Opalescent efficiencies that qualify for many rebate programs, making it a true energy and cost saving choice.

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 82.8% efficient two lamp 40W TT5 2' x 2' luminaire.
- 75.6% efficient two lamp 14W T5 2' x 2' luminaire.
- 76.1% efficient two lamp 24W T5HO 2' x 2' luminaire.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast type	<10THD	<20THD
Electronic T5 program start	**PG**	–
Electronic TT5 40W	**PR***	–
Electronic TT5 40W	**IB**	**SB**
Electronic TT5 50W	**BP**	–
Electronic TT5 55W	**BF**	–
Electronic T5 14W bi-level step ballast (2 lamp)	**VY**	–
DALI Ballast	**DA**	–

* Program start.

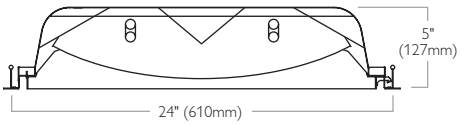
DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

OPS2GPW2FTUNVPR



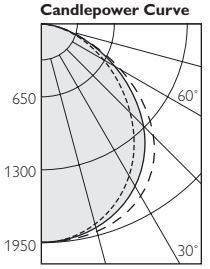
Reference data

Efficiency	82.8%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	67.4W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-Twin tube T5	40W	**OPS2GPW2FT**
Air handling	2' x 2'	2-Twin tube T5	40W	**OPA2GPW2FT**

Example **OPS2GPW2FT**

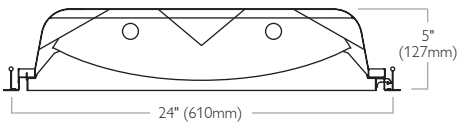
Opalescent
Frost white contoured lens design
Air handling or static

UNV
Voltage
120 = 120V
277 = 277v
UNV= 120-277V

PR
Ballast
See page 4.26

A
Options
See page 4.26
and page 4.130

OPA2GPW224UNVPG



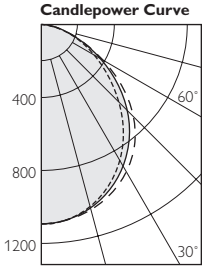
Reference data

Efficiency	76.1%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	51.1W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**OPS2GPW214**
		2-T5HO	24W	**OPS2GPW224**
Air handling	2' x 2'	2-T5	14W	**OPA2GPW214**
		2-T5HO	24W	**OPA2GPW224**

Example **OPA2GPW224**

Opalescent
Frost white contoured lens design
Air handling or static

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG
Ballast
See page 4.26

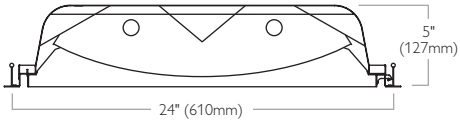
A
Options
See page 4.26
and page 4.130

Opalescent T8 2' x 4'

Premium specification recessed air handling or static luminaires

Opalescent's 2½" regressed frame with contoured lens, made of a high light transmission frost white acrylic, creates a bold but simple appearance that will blend with any architectural environment. The Opalescent lens frame assembly, designed with precision mitered side rails and integrated spring loaded latches, allows for simple installation and maintenance of the lamps and ballast. The exterior of the Opalescent housing is black and incorporates eyeleted heat removal vents on the end caps, creating an environment for a cooler ballast operating temperature. The internal reflector system is powder coated with our 95% reflective white paint. When matched with the high light transmission frost white acrylic lens it gives the Opalescent efficiencies that qualify for many rebate programs, making it a true energy and cost saving choice.

OPA2GPW232UNVC5



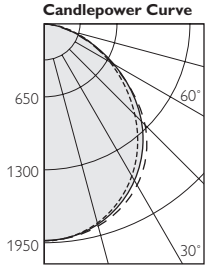
Reference data

Efficiency	80.8%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	53.5W
Ballast factor	0.77

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**OPS2GPW232**
Air handling	2' x 4'	2-T8	32W	**OPA2GPW232**

Example **OPA2GPW232**

Opalescent
Frost white contoured lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

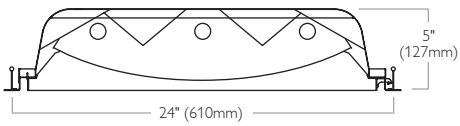
C5

Ballast
See page 4.27

A

Options
See page 4.27
and page 4.130

OPA2GPW332UNVH3



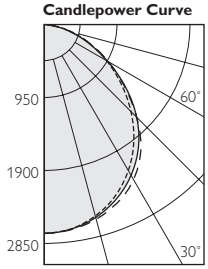
Reference data – 25W

Efficiency	80.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	71.1W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	3-T8	32W	**OPS2GPW332**
Air handling	2' x 4'	3-T8	32W	**OPA2GPW332**

Example **OPA2GPW332**

Opalescent
Frost white contoured lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

H3

Ballast
See page 4.27

A

Options
See page 4.27
and page 4.130

Features

- Bold but simple 2½" regressed frame with contoured lens.
- High light transmission frost white acrylic lens.
- True mitered corner lens frame.
- 80.8% efficient two lamp 32W T8 2' x 4' luminaire.
- 80.0% efficient three lamp 25W T8 2' x 4' luminaire.
- Internal reflector coated with 95% reflective white paint.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI**, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Advance Optanium Low Watt.77 Electronic T8	**C5***	–

* Instant start.

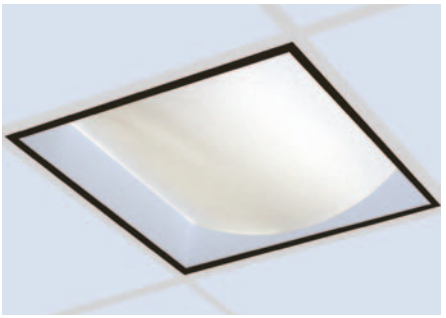
** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Opalescent T8 2' x 2'

Premium specification recessed air handling or static luminaires

Opalescent's 2 ½" regressed frame with contoured lens, made of a high light transmission frost white acrylic, creates a bold but simple appearance that will blend with any architectural environment. The Opalescent lens frame assembly, designed with precision mitered side rails and integrated spring loaded latches, allows for simple installation and maintenance of the lamps and ballast. The exterior of the Opalescent housing is black and incorporates eyeleted heat removal vents on the end caps, creating an environment for a cooler ballast operating temperature. The internal reflector system is powder coated with our 95% reflective white paint. When matched with the high light transmission frost white acrylic lens it gives the Opalescent efficiencies that qualify for many rebate programs, making it a true energy and cost saving choice.

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 74.5% efficient two lamp 17W T8 2' x 2' luminaire.
- 70.1% efficient three lamp 17W T8 2' x 2' luminaire.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***

* Instant start.

** Program start.

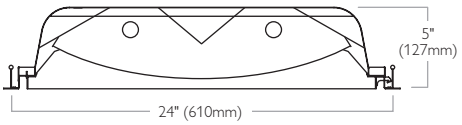
Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

OPA2GPW217UNVHI



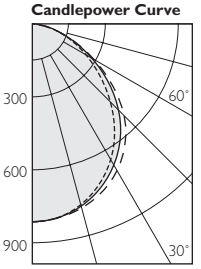
Reference data

Efficiency	74.5%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	30.2W
Ballast factor	0.90

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T8	17W	**OPS2GPW217**
		2-6" U T8	32W	**OPS2GPW26U**
Air handling	2' x 2'	2-T8	17W	**OPA2GPW217**
		2-6" U T8	32W	**OPA2GPW26U**

Example **OPA2GPW217**

Opalescent
Frost white contoured lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

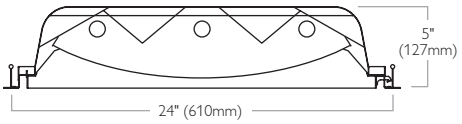
HI

Ballast
See page 4.28

A

Options
See page 4.28
and page 4.130

OPA2GPW317UNVH3



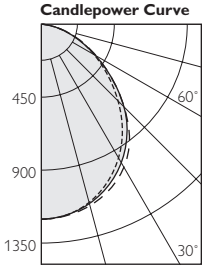
Reference data

Efficiency	70.1%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	45.5W
Ballast factor	0.92

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	3-T8	17W	**OPS2GPW317**
Air handling	2' x 2'	3-T8	17W	**OPA2GPW317**

Example **OPA2GPW317**

Opalescent
Frost white contoured lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

H3

Ballast
See page 4.28

A

Options
See page 4.28
and page 4.130

Opalescent Twin 2' x 4' & 2' x 2'

Premium specification recessed luminaires

Dual sculptured ends and curved opal prismatic lens, presented in a shallow regressed Door frame the Opalescent Twin provides a broad distribution that illuminates the vertical and horizontal surfaces in the work space. This creates a soft, balanced brightness that enhances the ability to see and work.

The Opalescent Twin provides illumination at power levels below LEED requirements and yet is a highly efficient luminaire. With a shallow depth of only 3½", access to the ballast from below, the Opalescent Twin is an excellent choice for any commercial application and a welcome part of the Opalescent family.

The Opalescent Twin will be available with two high performance T8 lamps, as well as T5 and T5HO fluorescent lamps in the 2' x 4', and T8, T5, T5HO or TT5 fluorescent lamps in the 2' x 2', both sizes will also be offered with LED options. Opalescent Twin will fit standard grid and dry wall ceilings with use of optional FK Dry wall kit.

Available 4th quarter 2011

OTS2GPW232UNVHI

Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**OTS2GPW232UNVHI**
		2-T5	28W	**OTS2GPW228UNVPG**
		2-T5HO	54W	**OTS2GPW254UNVPG**
Static	2' x 2'	2-T5	14W	**OTS2GPW214UNVPG**
		2-T8	17W	**OTS2GPW217UNVHI**
		2-T5HO	24W	**OTS2GPW224UNVPG**
		2-TT5	40W	**OTS2GPW2FTUNVPR**

Skyway T5 2' x 4'

Premium specification recessed air handling or static luminaires

Skyway's aesthetically pleasing triple lens design features a clear conical prismatic center lens, enhanced by softly curved frost white acrylic lenses on each side, mounted in a regressed extruded aluminum frame with spring loaded latches. These 85% light transmission lenses, coupled with an internal reflector system coated with our 95% reflective white paint, creates our new, energy efficient Skyway.

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 73% efficient two lamp 28W T5 2' x 4' luminaire.
- 72.7% efficient two lamp 54W T5HO 2' x 4' luminaire.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

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Ballast type	<10THD
Electronic T5 program start	**PG**
Electronic T5 28W instant start	**WA***†
Electronic T5 28W bi-level step ballast (2 lamp)	**VY**
DALI Ballast	**DA**

* Ballast (**WA**) only available in 120 or 277 volt.

† 56 Input watts 0.93 B.F.

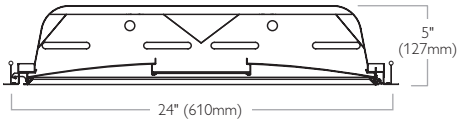
DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

SKS2GPK228120WA



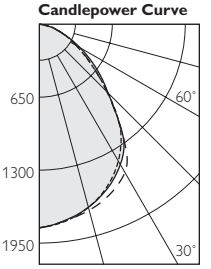
Reference data

Efficiency	73.0%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	54.5W
Ballast factor	0.93

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5 3-T5	28W	**SKS2GPK228** **SKS2GPK328**
Air handling	2' x 4'	2-T5 3-T5	28W	**SKA2GPK228** **SKA2GPK328**

Example **SKS2GPK228** | **120** | **WA** | **A**

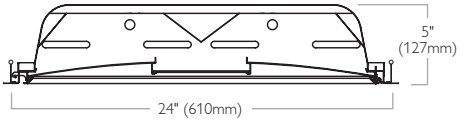
Skyway
Triple lens design
Air handling or static

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.30

Options
See page 4.30 and page 4.130

SKS2GPK254UNVPG



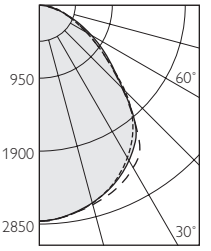
Reference data

Efficiency	72.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	114.9W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5HO 3-T5HO	54W	**SKS2GPK254** **SKS2GPK354**
Air handling	2' x 4'	2-T5HO 3-T5HO	54W	**SKA2GPK254** **SKA2GPK354**

Example **SKS2GPK254** | **UNV** | **PG** | **A**

Skyway
Triple lens design
Air handling or static

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.30

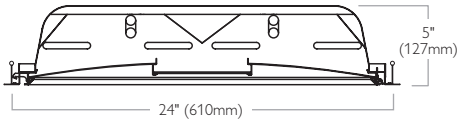
Options
See page 4.30 and page 4.130

Skyway T5 2' x 2'

Premium specification recessed air handling or static luminaires

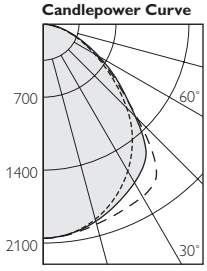
Skyway's aesthetically pleasing triple lens design features a clear conical prismatic center lens, enhanced by softly curved frost white acrylic lenses on each side, mounted in a regressed extruded aluminum frame with spring loaded latches. These 85% light transmission lenses, coupled with an internal reflector system coated with our 95% reflective white paint, creates our new, energy efficient Skyway.

SKS2GPK2FTUNVIB



Reference data	
Efficiency	76.5%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	69.1W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-Twin tube T5	40W	**SKS2GPK2FT**
Air handling	2' x 2'	2-Twin tube T5	40W	**SKA2GPK2FT**

Example **SKS2GPK2FT**

Skyway
Triple lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

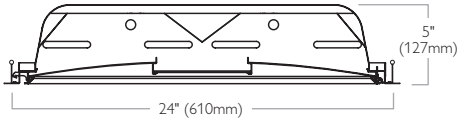
IB

Ballast
See page 4.31

A

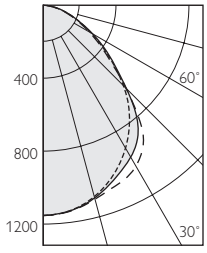
Options
See page 4.31
and page 4.130

SKS2GPK224UNVPG



Reference data	
Efficiency	74.6%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	51.3W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**SKS2GPK214**
		2-T5HO	24W	**SKS2GPK224**
		3-T5HO	24W	**SKS2GPK324**
Air handling	2' x 2'	2-T5	14W	**SKA2GPK214**
		2-T5HO	24W	**SKA2GPK224**
		3-T5HO	24W	**SKA2GPK324**

Example **SKS2GPK224**

Skyway
Triple lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG

Ballast
See page 4.31

A

Options
See page 4.31
and page 4.130

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 76.5% efficient two lamp 40W Twin tube T5 2' x 2' luminaire.
- 72.8% efficient two lamp 14W T5 2' x 2' luminaire.
- 74.6% efficient two lamp 24W T5HO 2' x 2' luminaire.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast type	<10THD	<20THD
Electronic T5 program start	**PG**	–
Electronic TT5 40W	**PR***	–
Electronic TT5 40W	**IB**	**SB**
Electronic TT5 50W	**BP**	–
Electronic TT5 55W	**BF**	–
Electronic T5 14W bi-level step ballast (2 lamp)	**VY**	–
DALI Ballast	**DA**	–

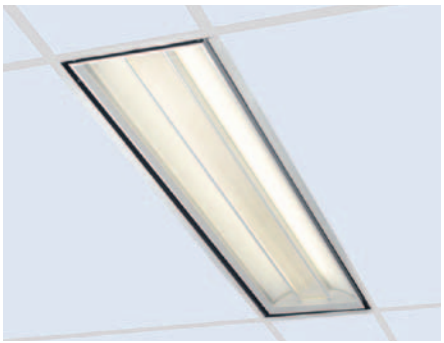
* Program start.

DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Skyway T5 1' x 4'

Premium specification recessed air handling or static luminaires

Skyway's aesthetically pleasing triple lens design features a clear conical prismatic center lens, enhanced by softly curved frost white acrylic lenses on each side, mounted in a regressed extruded aluminum frame with spring loaded latches. These 85% light transmission lenses, coupled with an internal reflector system coated with our 95% reflective white paint, creates our new, energy efficient Skyway.

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 64.7% efficient two lamp 28W T5 1' x 4' luminaire.
- 4" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast type	<10THD
Electronic T5 program start	**PG**
Electronic T5 28W instant start	**WA***†
Electronic T5 28W bi-level step ballast (2 lamp)	**VY**
DALI Ballast	**DA**

* Ballast (**WA**) only available in 120 or 277 volt.

† 56 Input watts 0.93 B.F.

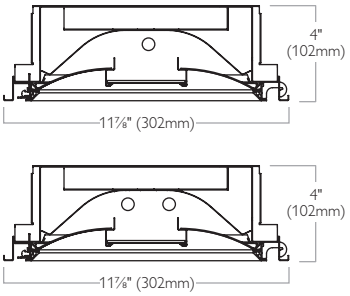
DALI = digital addressable dimming

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

SKS1GPK228UNVPG



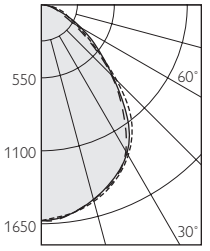
Reference data

Efficiency	64.7%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	59.0W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	1-T5	28W	**SKS1GPK128**
		2-T5	28W	**SKS1GPK228**
		1-T5HO	54W	**SKS1GPK154**
		2-T5HO	54W	**SKS1GPK254**
Air handling	1' x 4'	1-T5	28W	**SKA1GPK128**
		2-T5	28W	**SKA1GPK228**
		1-T5HO	54W	**SKA1GPK154**
		2-T5HO	54W	**SKA1GPK254**

Example **SKS1GPK228**

Skyway
Triple lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG

Ballast
See page 4.32

A

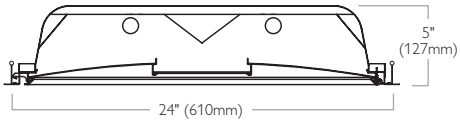
Options
See page 4.32
and page 4.130

Skyway T8 2' x 4'

Premium specification recessed air handling or static luminaires

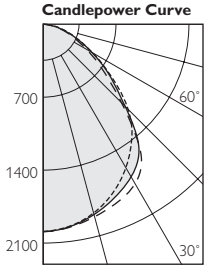
Skyway's aesthetically pleasing triple lens design features a clear conical prismatic center lens, enhanced by softly curved frost white acrylic lenses on each side, mounted in a regressed extruded aluminum frame with spring loaded latches. These 85% light transmission lenses, coupled with an internal reflector system coated with our 95% reflective white paint, creates our new, energy efficient Skyway.

SKS2GPK232UNVC5



Reference data	
Efficiency	75.3%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	51.9W
Ballast factor	0.77

Candlepower Curve



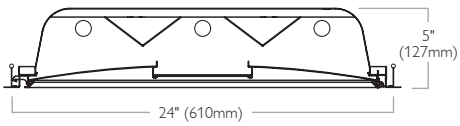
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**SKS2GPK232**
Air handling	2' x 4'	2-T8	32W	**SKA2GPK232**

Example

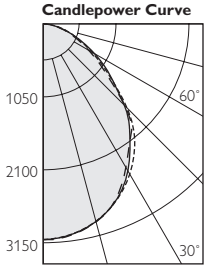
SKS2GPK232	**UNV**	**C5**	**A**
Skyway Triple lens design Air handling or static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.33	**Options** See page 4.33 and page 4.130

SKS2GPK332UNVH3



Reference data	
Efficiency	75.4%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	87W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	3-T8	32W	**SKS2GPK332**
Air handling	2' x 4'	3-T8	32W	**SKA2GPK332**

Example

SKS2GPK332	**UNV**	**H3**	**A**
Skyway Triple lens design Air handling or static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.33	**Options** See page 4.33 and page 4.130

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 75.3% efficient two lamp 32W T8 2' x 4' luminaire.
- 75.4% efficient three lamp 32W T8 2' x 4' luminaire.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI**, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–
Advance Optanium low watt.77 Electronic T8	**C5***	–

* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Skyway T8 2' x 2'

Premium specification recessed air handling or static luminaires

Skyway's aesthetically pleasing triple lens design features a clear conical prismatic center lens, enhanced by softly curved frost white acrylic lenses on each side, mounted in a regressed extruded aluminum frame with spring loaded latches. These 85% light transmission lenses, coupled with an internal reflector system coated with our 95% reflective white paint, creates our new, energy efficient Skyway.

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 70.7% efficient two Lamp 17W T8 2' x 2' luminaire.
- 72.9% efficient three Lamp 17W T8 2' x 2' luminaire.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**.

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***

* Instant start.

** Program start.

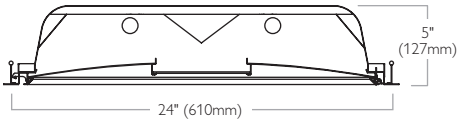
Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

SKS2GPK217UNVHI



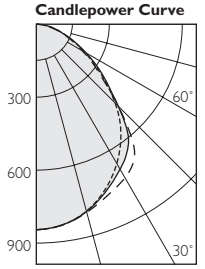
Reference data

Efficiency	70.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	31.7W
Ballast factor	0.83

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T8	17W	**SKS2GPK217**
Air handling	2' x 2'	2-T8	17W	**SKA2GPK217**

Example **SKS2GPK217**

Skyway
Triple lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

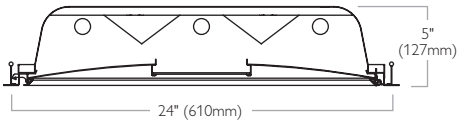
HI

Ballast
See page 4.34

A

Options
See page 4.34 and page 4.130

SKS2GPK317UNVH3



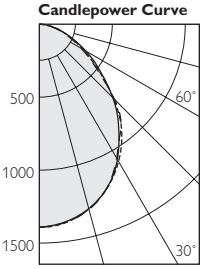
Reference data

Efficiency	72.9%
Spacing ratio	1.1

Electronic ballast

Input watts (120V)	46.6W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	3-T8	17W	**SKS2GPK317**
Air handling	2' x 2'	3-T8	17W	**SKA2GPK317**

Example **SKS2GPK317**

Skyway
Triple lens design
Air handling or static

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

H3

Ballast
See page 4.34

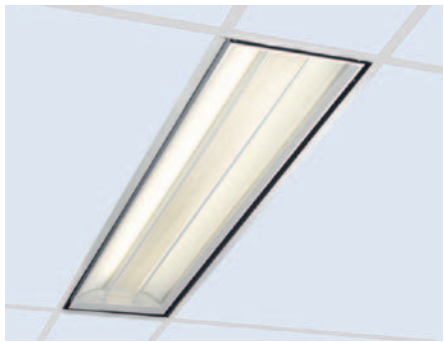
A

Options
See page 4.34 and page 4.130

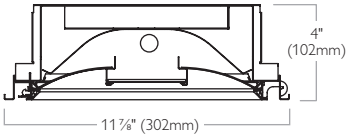
Skyway T8 1' x 4'

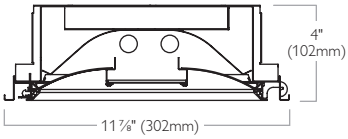
Premium specification recessed air handling or static luminaires

Skyway's aesthetically pleasing triple lens design features a clear conical prismatic center lens, enhanced by softly curved frost white acrylic lenses on each side, mounted in a regressed extruded aluminum frame with spring loaded latches. These 85% light transmission lenses, coupled with an internal reflector system coated with our 95% reflective white paint, creates our new, energy efficient Skyway.



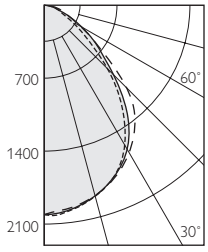
SKS1GPK232UNVHI





Reference data	
Efficiency	66.4%
Spacing ratio	1.2
Electronic ballast	
Input watts (120V)	49.6W
Ballast factor	0.77

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	1-T8 2-T8	32W	**SKS1GPK132** **SKS1GPK232**
Air handling	1' x 4'	1-T8 2-T8	32W	**SKA1GPK132** **SKA1GPK232**

Example

SKS1GPK232	UNV	HI	A
Skyway Triple lens design Air handling or static	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.35	**Options** See page 4.35 and page 4.130

Features

- Aesthetically pleasing triple lens design.
- Curved high light transmission frost white acrylic side lenses.
- Clear acrylic conical prismatic center lens.
- Internal reflector coated with 95% reflective white paint.
- 66.4% efficient two lamp 32W T8 1' x 4' luminaire.
- 4" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.

Options & accessories page 4.130

Ballast type	<10THD	<20THD
Electronic T8 (1 or 2 lamp)	**HI***	**SO***
Electronic T8 (1 or 2 lamp)	**P2****	–
LOL Dimming T8	**PS**	–
Electronic T8 32W bi-level step ballast (2 lamp)	**V2**	–
DALI Ballast	**DA**	–

* Instant start. Standard

** Program start.

DALI = digital addressable dimming

Other dimming options consult factory.

Note: For **T8 UNV**, you must use **HI** Ballast Code.

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Electrical wiring options: Consult factory.
For motion or light sensor see folio **OA20-10**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Aletta louver shield T8 & T5 2'x 4' & 2'x 2'

Direct/indirect recessed static luminaires

This family of recessed luminaires features a gently concaved diffuser that provides balanced luminosity, combined with distinctive and elegant architectural detailing.

Features

- 66.2% efficient two lamp 32W T8 2' x 4' luminaire.
- 68.6% efficient two lamp 28W T5 2' x 4' luminaire.
- 63.7% efficient two lamp 17W T8 2' x 2' luminaire.
- 62.1% efficient two lamp 24W T5HO 2' x 2' luminaire.
- Housing is black baked polyester enamel die-formed code gauge cold rolled steel. 20 gauge available for NYC.
- The lens assembly is made from extruded 100% DR Frost acrylic. Spring latch lens hinges, left and right sides independently, downward into the room cavity.
- The center panel louver is high purity Semi-Specular, 2-3/4" (6.99cm) opening x 1-3/8" (3.49cm) deep on 2" (5.08cm) centers with micro-prismatic side overlays.
- 95% reflective white powder painted performance kick reflector.
- Extruded aluminum trim, painted white, interfaces with ceiling grid or plaster frame (by others).

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**.

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–

* Instant start.

** Program start.

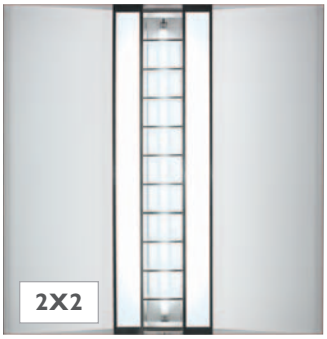
Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

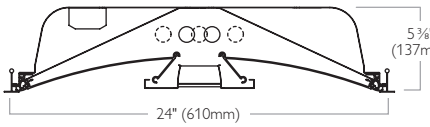
Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Aletta is a unique soft lighting coffer



Whether used in office, conference, classroom or public areas, Aletta is truly easy on the eyes: comfortable lighting to see by and beautiful lighting to look at.

ALS2GUL232UNVHI



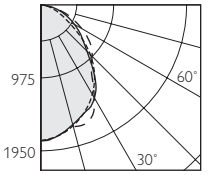
Reference data

Efficiency	66.2%
Spacing ratio	1.2

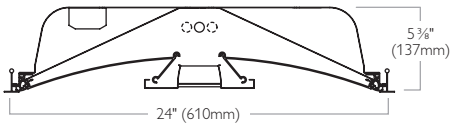
Electronic ballast

Input watts (120V)	59.0W
Ballast factor	0.88

Candlepower Curve



ALS2GUL228UNVPG



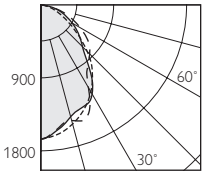
Reference data

Efficiency	68.6%
Spacing ratio	1.1

Electronic ballast

Input watts (120V)	61.6W
Ballast factor	1.03

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**ALS2GUL232**
		3-T8	32W	**ALS2GUL332**
		2-T5	28W	**ALS2GUL228**
		3-T5	28W	**ALS2GUL328**
		2-T5HO	54W	**ALS2GUL254**
		1-T5HO	54W	**ALS2GUL154**

Example: **ALS2GUL232** | **UNV** | **HI** | **A**

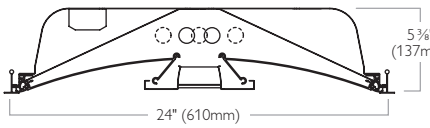
Aletta
Direct/indirect recessed
Static panel w/elongated lens

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.36

Options
See page 4.36 and page 4.130

ALS2GUL217UNVHI



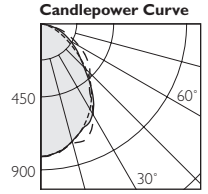
Reference data

Efficiency	63.7%
Spacing ratio	1.2

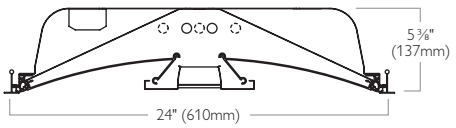
Electronic ballast

Input watts (120V)	31.4W
Ballast factor	0.93

Candlepower Curve



ALS2GUL224UNVPG



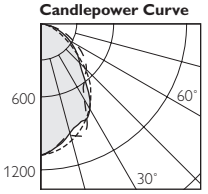
Reference data

Efficiency	62.1%
Spacing ratio	1.1

Electronic ballast

Input watts (120V)	47.7W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**ALS2GUL214**
		3-T5	14W	**ALS2GUL314**
		2-T8	17W	**ALS2GUL217**
		3-T8	17W	**ALS2GUL317**
		2-T5HO	24W	**ALS2GUL224**
		3-T5HO	24W	**ALS2GUL324**

Example: **ALS2GUL224** | **UNV** | **PG** | **A**

Aletta
Direct/indirect recessed
Static panel w/elongated lens

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.36

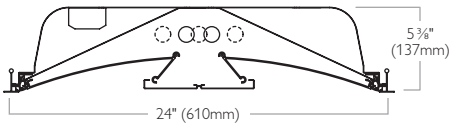
Options
See page 4.36 and page 4.130

Aletta panel shield
T8 & T5 2' x 4' & 2' x 2'

Direct/indirect recessed static luminaires

This family of recessed luminaires features a gently concaved diffuser that provides balanced luminosity, combined with distinctive and elegant architectural detailing.

ALS2GUP232UNVHI



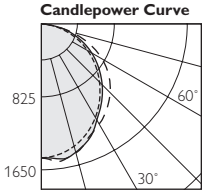
Reference data

Efficiency	69.8%
Spacing ratio	1.3

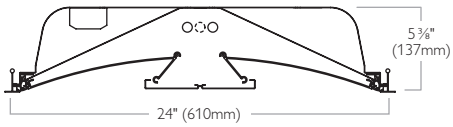
Electronic ballast

Input watts (120V)	59.0W
Ballast factor	0.88

Candlepower Curve



ALS2GUP228UNVPG



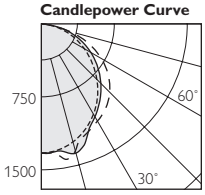
Reference data

Efficiency	73.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	61.7W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**ALS2GUP232**
		3-T8	32W	**ALS2GUP332**
		2-T5	28W	**ALS2GUP228**
		3-T5	28W	**ALS2GUP328**
		2-T5HO	54W	**ALS2GUP254**
		1-T5HO	54W	**ALS2GUP154**

Example **ALS2GUP232**

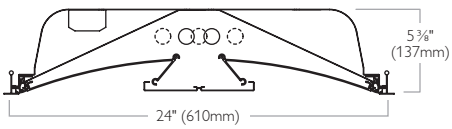
Aletta
Direct/indirect recessed
Static panel w/elongated lens

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI
Ballast
See page 4.37

A
Options
See page 4.37
and page 4.130

ALS2GUP217UNVHI



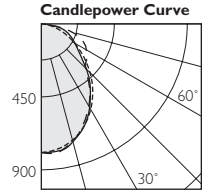
Reference data

Efficiency	68.4%
Spacing ratio	1.1

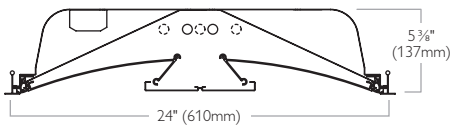
Electronic ballast

Input watts (120V)	31.2W
Ballast factor	0.93

Candlepower Curve



ALS2GUP224UNVPG



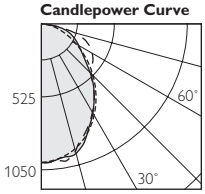
Reference data

Efficiency	66.8%
Spacing ratio	1.1

Electronic ballast

Input watts (120V)	47.5W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**ALS2GUP214**
		3-T5	14W	**ALS2GUP314**
		2-T8	17W	**ALS2GUP217**
		3-T8	17W	**ALS2GUP317**
		2-T5HO	24W	**ALS2GUP224**
		3-T5HO	24W	**ALS2GUP324**

Example **ALS2GUP217**

Aletta
Direct/indirect recessed
Static panel w/elongated lens

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI
Ballast
See page 4.37

A
Options
See page 4.37
and page 4.130

Features

- 69.8% efficient two lamp 32W T8 2' x 4' luminaire.
- 73.6% efficient two lamp 28WT5 2' x 4' luminaire.
- 68.4% efficient two lamp 17W T8 2' x 2' luminaire.
- 66.8% efficient two lamp 24W T5HO 2' x 2' luminaire.
- Housing is black baked polyester enamel die-formed code gauge cold rolled steel. 20 gauge available for NYC.
- The lens assembly is made from extruded 100% DR Frost acrylic. Spring latch lens hinges, left and right sides independently, downward into the room cavity.
- Center Panel is constructed with 24 gauge powder painted CRS with linear micro-prismatic lens overlays. Elongated lens openings are 21-1/2" (54.61cm) windows.
- 95% reflective white powder painted performance kick reflector.
- Extruded aluminum trim, painted white, interfaces with ceiling grid or plaster frame (by others).

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**.

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–

* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Aletta is a unique soft lighting coffer

Whether used in office, conference, classroom or public areas, Aletta is truly easy on the eyes: comfortable lighting to see by and beautiful lighting to look at.

Alter high efficiency 2' x 4'

Direct/indirect recessed static luminaires

With its balanced brightness and high-lumen package capable of accommodating up to 3 linear T8, T5 or 4 TT5 lamps, the Alter High Efficiency 2' x 4' delivers superior luminous efficacy that is perfect for wide open spaces, including workplaces with no or low partitions. This common-dimension luminaire is optically designed to create cost-effective specification-ready soft lighting for popular ceiling grids.

Features

- 75.7% efficient two lamp 28W T5 2' x 4' luminaire.
- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp image providing balance between reflected and direct light.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- 95% reflective Alter soft white paint finish and specular interior reflector.
- 5 ½" deep one-piece body for easy installation.
- Swing-down microperforated lamp shields for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- Luminaire can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
T8	**HI**	T8	**PS**
3 LPB T8	**H3**		
T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

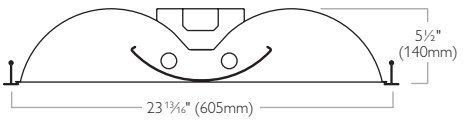
Hold down clips: Standard T 15/16" only: **QVS-HD**.

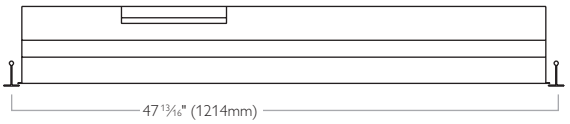
Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QHE2GPFOP232UNVHI

2' x 4' Microperforated mesh lamp shields, 2-lamp 32W T8





Reference data

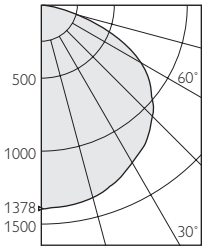
Efficiency	70.3%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	62.0W
Ballast factor	0.88

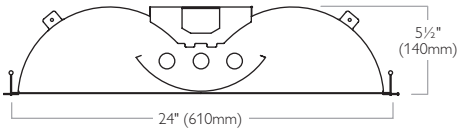
RCR	C.U.
1	74
3	57
5	45
7	36
9	29

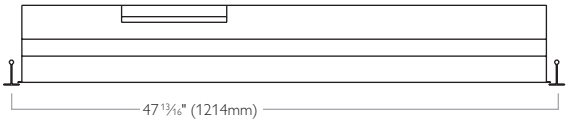
Candlepower Curve



QHE2GPFOP332UNVH3

2' x 4' Microperforated mesh lamp shields, 3-lamp 32W T8





Reference data

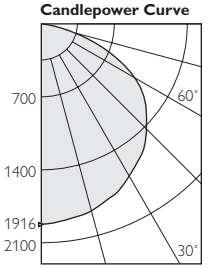
Efficiency	64.3%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	85.0W
Ballast factor	0.88

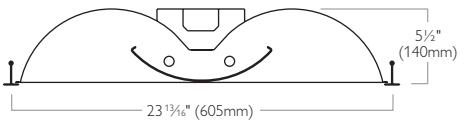
RCR	C.U.
1	67
3	52
5	41
7	33
9	27

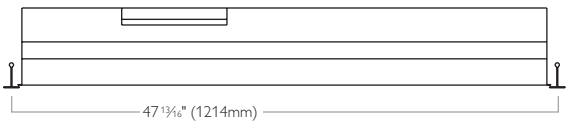
Candlepower Curve



QHE2GPFOP228UNVPG

2' x 4' Microperforated mesh lamp shields, 2-lamp 28W T5





Reference data

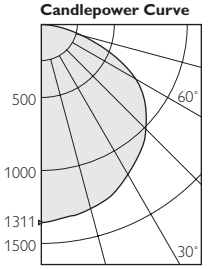
Efficiency	75.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	65.0W
Ballast factor	0.88

RCR	C.U.
1	79
3	61
5	48
7	38
9	31

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5	28W	**QHE2GPFOP228**
		2-T5HO	54W	**QHE2GPFOP254**
		3-T5	28W	**QHE2GPFOP328**
		3-T5HO	54W	**QHE2GPFOP354**
		2-T8	32W	**QHE2GPFOP232**
		3-T8	32W	**QHE2GPFOP332**
		4-TT5	40, 50, 55W	**QHE2GPFOP4FT**

Example **QHE2GPFOP232** | **UNV** | **HI** | _____

Alter High Efficiency
Direct/indirect recessed w/microperforated mesh lamp shields

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.38

Options
See page 4.38 and page 4.72

For complete specification information visit www.lightolier.com

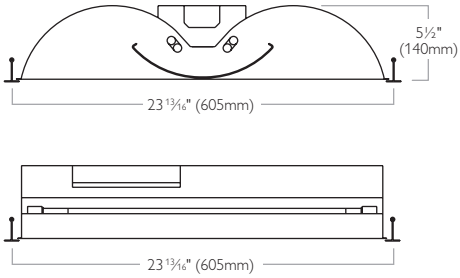
Alter high efficiency 2' x 2'

Direct/indirect recessed static luminaires

The compact architectural styling of Alter High Efficiency 2' x 2' provides shadowless balanced brightness combined with increased light efficacy in keeping with specification requirements. Designed for popular 2' x 2' grids, this luminaire allows more flexible, more symmetrical luminaire arrangements. It is suited to most environments, especially private offices where wide distribution, uniformly lit walls and low power densities are important considerations.

QHE2GPFOP2FTUNVIB

2' x 2' Microperforated mesh lamp shields, 2-lamp 40W TT5



Reference data

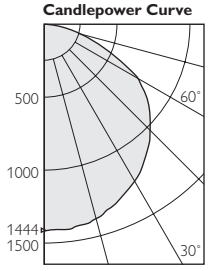
Efficiency	66.3%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	65.2W
Ballast factor	0.88

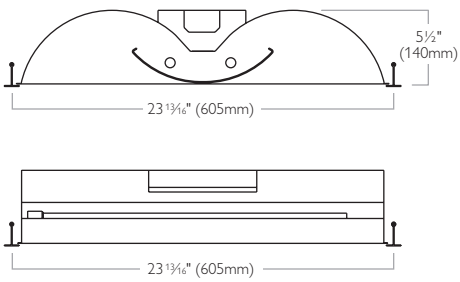
RCR	C.U.
1	70
3	54
5	44
7	35
9	26

Candlepower Curve



QHE2GPFOP217UNVHI

2' x 2' Microperforated mesh lamp shields, 2-lamp 17W T8



Reference data

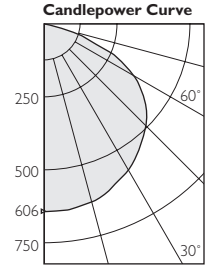
Efficiency	64.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	74.0W
Ballast factor	0.88

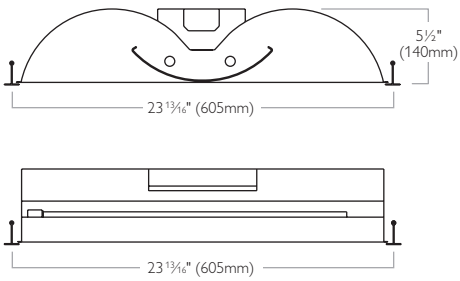
RCR	C.U.
1	68
3	53
5	41
7	33
9	27

Candlepower Curve



QHE2GPFOP224UNVPG

2' x 2' Microperforated mesh lamp shields, 2-lamp 24W T5



Reference data

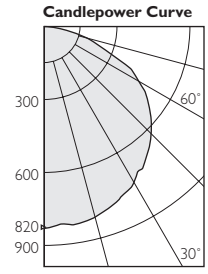
Efficiency	68.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	51.0W
Ballast factor	0.88

RCR	C.U.
1	72
3	56
5	44
7	35
9	28

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	1-TT5	40, 50, 55W	**QHE2GPFOP1FT**
		2-TT5	40, 50, 55W	**QHE2GPFOP2FT**
		2-T8	17W	**QHE2GPFOP217**
		3-T8	17W	**QHE2GPFOP317**
		2-T5HO	24W	**QHE2GPFOP224**
		3-T5HO	24W	**QHE2GPFOP324**

Example **QHE2GPFOP232** | **UNV** | **IB** | [ ]

Alter High Efficiency
Direct/indirect recessed w/microperforated mesh lamp shields

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.39

Options
See page 4.39 and page 4.72

Features

- 69% efficient two lamp 24W T5HO 2' x 2' luminaire.
- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp and provides a balance between reflected and direct light.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- 95% reflective Alter soft white paint finish.
- 5 ½" deep, one-piece body for easy installation.
- Swing-down lamp shield for easy relamping.
- Easy access to ballast through lamp compartment.
- Luminaire can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**	T8	**PS**
T8	**HI**		
3 LPB T8	**H3**		
T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Alter high efficiency 1' x 4'

Direct/indirect recessed static luminaires

The Alter High Efficiency 1' x 4' brings together excellent power-density value, architectural styling and Alter's characteristic low, balanced brightness glow producing a soft awareness of the lighting element. Its linear appearance suggests movement, making it ideally suited for specification in corridors and circulation areas.

Features

- 65% efficient two lamp 28W T5 1' x 4' luminaire.
- Even, shadowless lighting reduces veiling reflections.
- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp image providing a balance between reflected and direct light.
- 95% reflective Alter soft white paint finish.
- Swing-down lamp shields for easy relamping. Easy access to ballast through removable back reflector compartment.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**.

Ballast type

Electronic		PowerSpec HDF dimming	
T8	**HI**	T5	**PF**
T5	**PG**	T8	**PS**

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

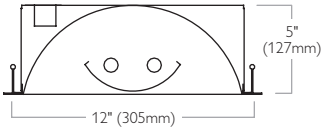
Hold down clips: Standard T 15/16" only: **QVS-HD**.

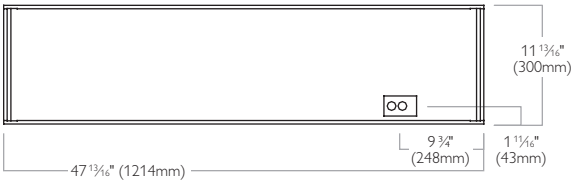
Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QHE1GPFOP232UNVHI

1' x 4' Microperforated mesh lamp shields, 2-lamp 32W T8





Reference data

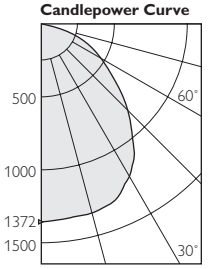
Efficiency	62.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	56.5W
Ballast factor	0.88

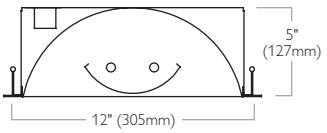
RCR	C.U.
1	66
3	52
5	41
7	33
9	25

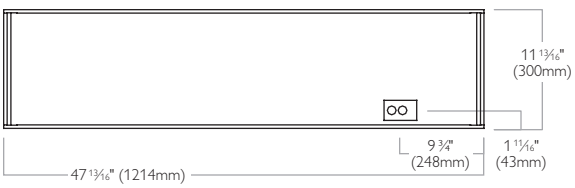
Candlepower Curve



QHE1GPFOP228UNVPG

1' x 4' Microperforated mesh lamp shields, 2-lamp 28W T5





Reference data

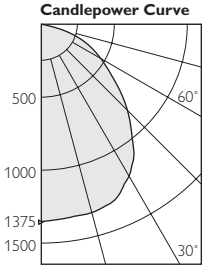
Efficiency	65.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	65.0W
Ballast factor	0.88

RCR	C.U.
1	68
3	54
5	43
7	35
9	27

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
		1-T5	28W	**QHE1GPFOP128**
		1-T5HO	54W	**QHE1GPFOP154**
Static	1' x 4'	2-T5	28W	**QHE1GPFOP228**
		2-T5HO	54W	**QHE1GPFOP254**
		2-T8	32W	**QHE1GPFOP232**

Example

QHE1GPFOP232	**UNV**	**HI**	
Alter High Efficiency Direct/indirect recessed w/microperforated mesh lamp shields	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.40	**Options** See page 4.40 and page 4.72

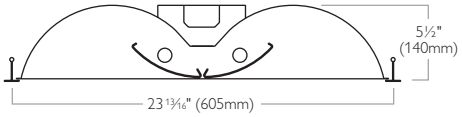
Alter classic 2' x 4'

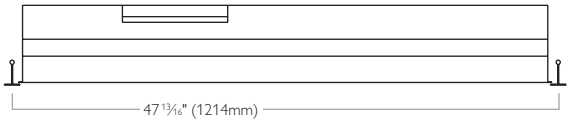
Direct/indirect air handling or static recessed luminaires

Functionality with crisp clean lines describes the 2' x 4' Alter luminaire. Using very popular T5, T8 and TT5 lamp technology, it offers the perfect lighting solution for spaces where larger ceiling grids are used. This luminaire provides visual interest, soft balanced brightness and is well suited for larger open spaces. When installed in continuous rows this luminaire can also create a very clean cove-like appearance.

QVS2GPFOS232UNVHI

2' x 4' Microperforated mesh lamp shields (static), 2-lamp 32W T8





Reference data

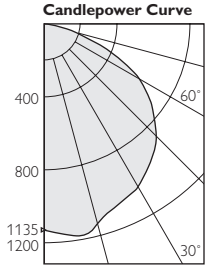
Efficiency	56.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	62.0W
Ballast factor	0.88

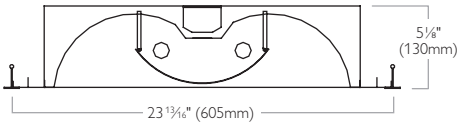
RCR	C.U.
1	60
3	46
5	37
7	29
9	24

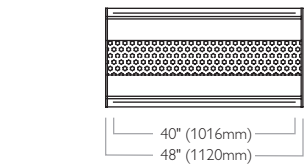
Candlepower Curve



QVA2GPFOP232UNVHI

2' x 4' Microperforated mesh lamp shields (air handling), 2-lamp 32W T8





Reference data

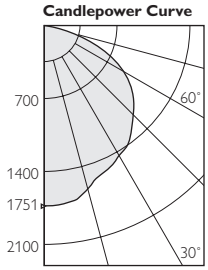
Efficiency	49.2%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	62.0W
Ballast factor	0.88

RCR	C.U.
1	52
3	41
5	32
7	26
9	19

Candlepower Curve



Ordering information

For QVA see below for ordering instructions

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5	28W	**QVS2GPFOS228**
		2-T5HO	54W	**QVS2GPFOS254**
		3-T5	28W	**QVS2GPFOS328**
		3-T5HO	54W	**QVS2GPFOS354**
		2-T8	32W	**QVS2GPFOS232**
		3-T8	32W	**QVS2GPFOS332**
		4-TT5	40, 50, 55W	**QVS2GPFOS4FT**

Example

QVS2GPFOS232	**UNV**	**HI**	
Alter Classic	**Voltage**	**Ballast**	**Options**
Direct/indirect recessed w/microperforated mesh lamp shields	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.41	See page 4.41 and page 4.72

One-piece lamp shield

Replace **OS** in the ordering info by **OP**. **OS** Static only.

Air handling

Replace **QVS** in the ordering info by **QVA** and **OS** to **OP**. N/A for 1' x 4'.

Features

- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp image providing balance between reflected and direct light.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- 95% reflective Alter soft white paint finish and specular interior reflector.
- 5 ½" deep one-piece body for easy installation.
- Swing-down microperforated lamp shields for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- Fully recessed luminaire and lamp compartment.
- Luminaire can be row mounted (not applicable with the air handling option)

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
T8	**HI**	T8	**PS**
3 LPB T8	**H3**		
Program start T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Clear Acrylic Plate Drop Down Element

Clear polished acrylic drop-down visual element with projected color face. Substitute acrylic color suffix in place of open slot only.

Suffix: GC (clear) **GB** (blue)
GG (green) **GR** (red)

e.g. QVS2GPF**OS** (**OS** = Open Slot)
e.g. QVS2GPF**GB** (**GB** = Blue Acrylic)

For other colors or special orders, consult your Philips Lightolier representative.

Alter classic 2' x 2'

Direct/indirect air handling or static recessed luminaires

Architectural styling combined with visually exciting elements can provide shadowless balanced brightness. Low brightness glow provides the occupant with a soft awareness of the lighting element, while increasing depth perception and sense of orientation within the space. These luminaires offer a good lighting solution for open circulation for a distinctive appearance.

Features

- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp and provides a balance between reflected and direct light.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding. Specular interior reflector with solid lamp shield only.
- 95% reflective Alter soft white paint finish.
- 5 ½" deep, one-piece body for easy installation (QVS only).
- Swing-down lamp shield for easy relamping.
- Easy access to ballast through lamp compartment.
- Luminaire can be row mounted (not applicable with the air handling option)

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**		
55W TT5	**BF**		
T8	**HI**		
3 LPB T8	**H3**		
Program start T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

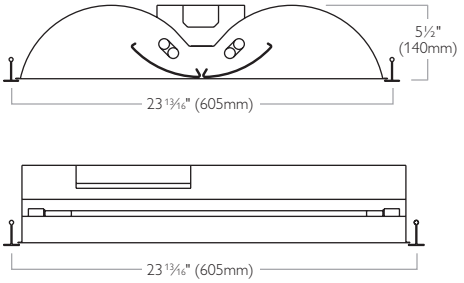
Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QVS2GPFOS2FTUNVIB

2' x 2' Microperforated mesh lamp shields (static), 2-lamp 40W TT5



Reference data

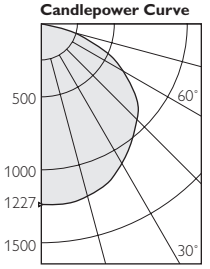
Efficiency	58.5%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	74.0W
Ballast factor	0.88

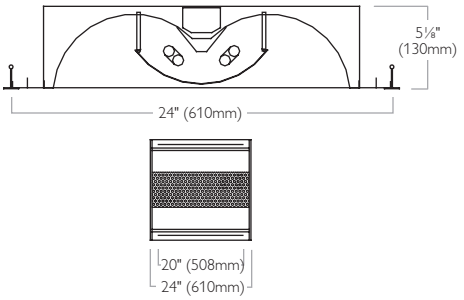
RCR	C.U.
1	61
3	48
5	38
7	30
9	25

Candlepower Curve



QVA2GPFOP2FTUNVIB

2' x 2' Microperforated mesh lamp shields (air handling), 2-lamp 40W TT5



Reference data

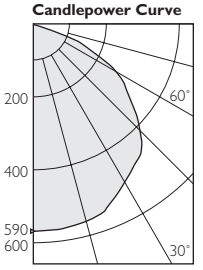
Efficiency	50.8%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	74.0W
Ballast factor	0.88

RCR	C.U.
1	49
3	38
5	31
7	25
9	18

Candlepower Curve



Ordering information

For QVA see below for ordering instructions

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	1-TT5	40, 50, 55W	**QVS2GPFOS1FT**
		2-TT5	40, 50, 55W	**QVS2GPFOS2FT**
		2-T8	17W	**QVS2GPFOS217**
		3-T8	17W	**QVS2GPFOS317**
		2-T5HO	24W	**QVS2GPFOS224**
		3-T5HO	24W	**QVS2GPFOS324**

Example **QVS2GPFOS2FT**

Alter Classic
Direct/indirect recessed w/microperforated mesh lamp shields

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

IB

Ballast
See page 4.42

Options
See page 4.42 and page 4.72

Clear acrylic plate drop down element

Clear polished acrylic drop-down visual element with projected color face. Substitute acrylic color suffix in place of open slot only.

Suffix: GC (clear) **GB** (blue)
GG (green) **GR** (red)

e.g. QVS2GPF**OS** (**OS** = Open Slot)
e.g. QVS2GPF**GB** (**GB** = Blue Acrylic)

For other colors or special orders, consult your Philips Lightolier representative.

One-piece lamp shield

Replace **OS** in the ordering info by **OP**. **OS** Static only.

Air handling

Replace **QVS** in the ordering info by **QVA** and **OS** to **OP**. N/A for 1' x 4'.

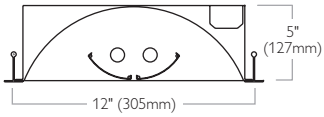
Alter classic 1' x 4'

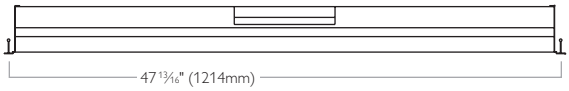
Direct/indirect static recessed luminaires

The Alter 1' x 4' combines architectural styling with visually exciting elements to provide a shadowless balanced brightness. Linear appearance makes this luminaire ideally suited for corridors and circulation areas.

QVS1GPFOS232UNVHI

1' x 4' Microperforated mesh lamp shields, 2-lamp 32W T8





Reference data

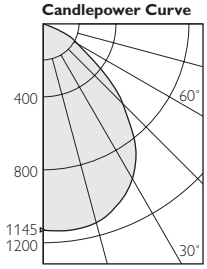
Efficiency	50.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	62.0W
Ballast factor	0.88

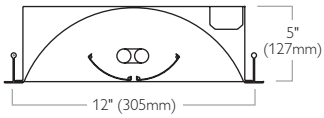
RCR	C.U.
1	53
3	42
5	33
7	27
9	22

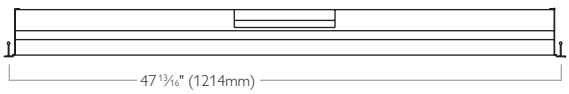
Candlepower Curve



QVS1GPFOS2FTUNVIB

1' x 4' Microperforated mesh lamp shields, 2-lamp 40W TT5





Reference data

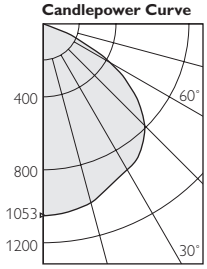
Efficiency	47.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	74.0W
Ballast factor	0.88

RCR	C.U.
1	52
3	41
5	32
7	26
9	19

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	**Cat. no.** Exposed T-grid	**Cat. no.** Slot or Concealed T
Static	1' x 4'	1-T5	28W	**QVS1GPFOS128**	**QVS1TPFOS128**
		1-T5HO	54W	**QVS1GPFOS154**	**QVS1TPFOS154**
		2-T5	28W	**QVS1GPFOS228**	**QVS1TPFOS228**
		2-T5HO	54W	**QVS1GPFOS254**	**QVS1TPFOS254**
		2-T8	32W	**QVS1GPFOS232**	**QVS1TPFOS232**
		2-TT5	40, 50, 55W	**QVS1GPFOS2FT**	**QVS1TPFOS2FT**

Example **QVS1GPFOS232**

Alter Classic
Direct/indirect recessed w/microperforated mesh lamp shields

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI

Ballast
See page 4.43

Options
See page 4.43 and page 4.72

One-piece lamp shield

Replace **OS** in the ordering info by **OP**.

Features

- Even, shadowless lighting reduces veiling reflections.
- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp image providing a balance between reflected and direct light. Not available in air handling.
- 95% reflective Alter soft white paint finish.
- Swing-down lamp shields for easy relamping. Easy access to ballast through removable back reflector compartment.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**	T8	**PS**
T8	**HI**		
T5	**PG**		

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Air handling: N/A for 1' x 4' model.
Available for Standards, Slot and Concealed.

Clear acrylic plate drop down element

Clear polished acrylic drop-down visual element with projected color face. Substitute acrylic color suffix in place of open slot only.

Suffix: GC (clear) **GB** (blue)
GG (green) **GR** (red)

e.g. QVS1GPF**OS** (**OS** = Open Slot)
e.g. QVS1GPF**GB** (**GB** = Blue Acrylic)

For other colors or special orders, consult your Philips Lightolier representative.

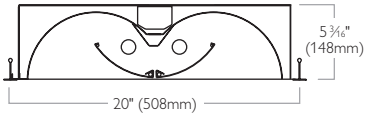
Alter classic
20"x 48" & 500mm x 48"

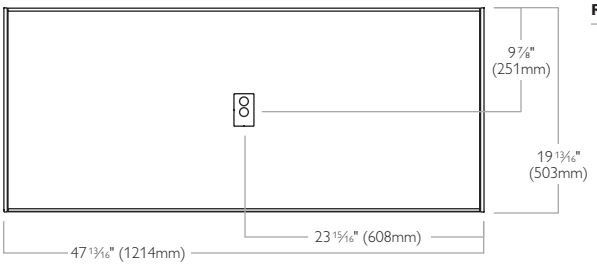
Direct/indirect static recessed luminaires

20" x 48" luminaires for 5-foot module ceiling grid (3-part 20" x 60" modules) and metric luminaires.

QVS5GPFOS232UNVHI

20" x 48" Microperforated mesh lamp shields 2-lamp 32W T8





Reference data

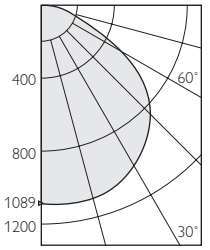
Efficiency	53.4%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	56.0W
Ballast factor	0.9

RCR	C.U.
1	59
3	49
5	41
7	35
9	30

Candlepower Curve



Features

- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp image providing balance between reflected and direct light.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Air handling version available.
- 95% reflective Alter soft white paint finish and specular interior reflector.
- 5 ½" deep one-piece body for easy installation.
- Swing-down microperforated lamp shields for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- Fully recessed luminaire and lamp compartment.
- Only luminaires of same size can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	T5	**PF**
50W TT5	**BP**	T8	**PS**
55W TT5	**BF**		
T8	**HI**		
3 LPB T8	**H3**		
T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 20x40 unit: **FK920X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Filler Plate: Sold separately.
For 20" x 60" opening with 20" x 48" luminaire: **FPQVS2060**.

Ordering information

Type	Size	Lamp qty–type	Lamp watts	**Cat. no.** Static	**Cat. no.** Air handling*
Static	20" x 48"	2-T5	28W	**QVS5GPFOS228**	**QVA5GPFOP228**
		2-T5HO	54W	**QVS5GPFOS254**	**QVA5GPFOP254**
		3-T5	28W	**QVS5GPFOS328**	
		3-T5HO	54W	**QVS5GPFOS354**	
		2-T8	32W	**QVS5GPFOS232**	**QVA5GPFOP232**
		3-T8	32W	**QVS5GPFOS332**	
Static	500mm x 48"	2-T5	28W	**QVS5MPFOS228**	
		2-T5HO	54W	**QVS5MPFOS254**	
		3-T5	28W	**QVS5MPFOS328**	
		3-T5HO	54W	**QVS5MPFOS354**	
		2-T8	32W	**QVS5MPFOS232**	
		3-T8	32W	**QVS5MPFOS332**	

* Only luminaires with one piece lamp shield, shown here, are available for air handling.

Example **QVS5GPFOS232**

Alter Classic
Direct/indirect recessed w/microperforated mesh lamp shields

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI

Ballast
See page 4.44

Options
See page 4.44 and page 4.72

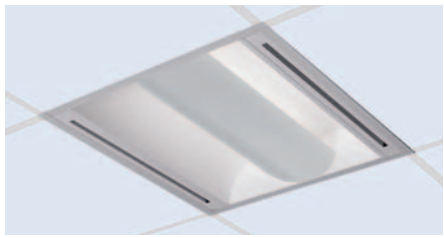
One-piece lamp shield

Replace **OS** in the ordering info by **OP**. **OS** Static only.

Alter classic air 2' x 4' & 2' x 2'

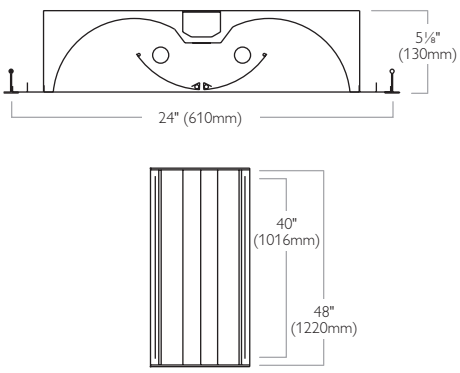
Direct/indirect recessed luminaires

The compact architectural styling of Alter Classic 2' x 2' provides shadowless balanced brightness. Designed for popular 2' x 2' grids, this luminaire allows more flexible, more symmetrical luminaire arrangements. It is suited to most environments, especially private offices where wide distribution and uniformly light walls are important considerations.



QVA2GPFOP332UNVH3

2' x 4' Solid lamp shields, 3-lamp 32W T8



Reference data

Efficiency	52.2%
Spacing ratio	1.3

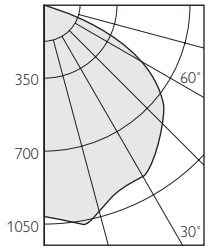
Electronic ballast

Input watts (120V)	84.3W
Ballast factor	0.88

Coefficients of utilization

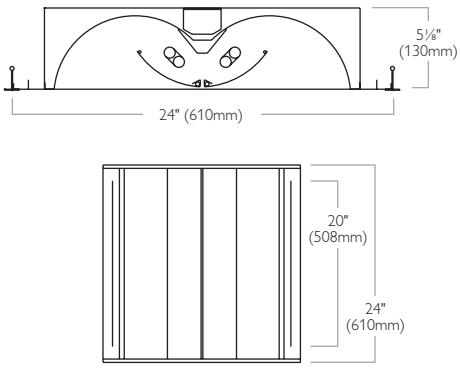
RF RW RCR	20% 70	RC 50	80% 30
1	58	56	54
3	49	44	40
5	41	35	30
7	35	28	23
10	27	20	16

Candlepower Curve



QVA2GPFOP2FT120SB

2' x 2' Solid lamp shields, 2-lamp 40W TT5



Reference data

Efficiency	50.8%
Spacing ratio	1.3

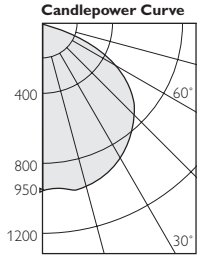
Electronic ballast

Input watts (120V)	64.8W
Ballast factor	0.88

Coefficients of utilization

RF RW RCR	20% 70	RC 50	80% 30
1	56	54	52
3	47	42	39
5	40	34	30
7	34	27	23
10	27	21	16

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static Air supply or Air return	2' x 4'	2-T8	32W	**QVA2GPFOP232**
		3-T8	32W	**QVA2GPFOP332**
		2-T5	28W	**QVA2GPFOP228**
		3-T5	28W	**QVA2GPFOP328**
		2-T5	54W	**QVA2GPFOP254**
		3-T5	54W	**QVA2GPFOP354**
		4-TT5	40, 50, 55W	**QVA2GPFOP4FT**
Static Air supply or Air return	2' x 2'	1-TT5	40, 50W	**QVA2GPFOP1FT**
		2-TT5	40, 50W	**QVA2GPFOP2FT**
		2-T8	17W	**QVA2GPFOP217**
		3-T8	17W	**QVA2GPFOP317**
		2-T5	24W	**QVA2GPFOP224**
		3-T5	24W	**QVA2GPFOP324**

Example **QVA2GPFOP2FT** | **120** | **SB** | _____

Alter Classic Air
Direct/indirect recessed w/one piece lamp shield

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.45

Options
See page 4.45 and page 4.72

Features

- Full-length air slot with right angle stiffener for maximum rigidity and no slot interference.
- Dual swing down solid lamp shields separated by luminous strip for easy relamping and maintenance.
- Fully recessed luminaire and with two separate lamp compartments.
- 95% Reflective Alter soft white paint finish.
- Specular interior reflector.
- One piece body for easy installation.
- Easy access to ballast through lamp compartment.
- Fits standard T-Grid ceilings.
- Optional acrylic drop-down visual element.

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) add as suffix, e.g. **120SB**.

Bal. Type Electronic	<10THD	<20THD	PowerSpec HDF Dimming
T5 Linear	**PG**	–	–
40W TT5	**IB**	**SB**	**PB**
50W TT5	–	**BP**	–
55W TT5	**BF**	–	–
T8	**HI**	**SO**	**PS**
3 LPB T8	**H3**	**03**	–
DALI Ballast	**DA**	–	–

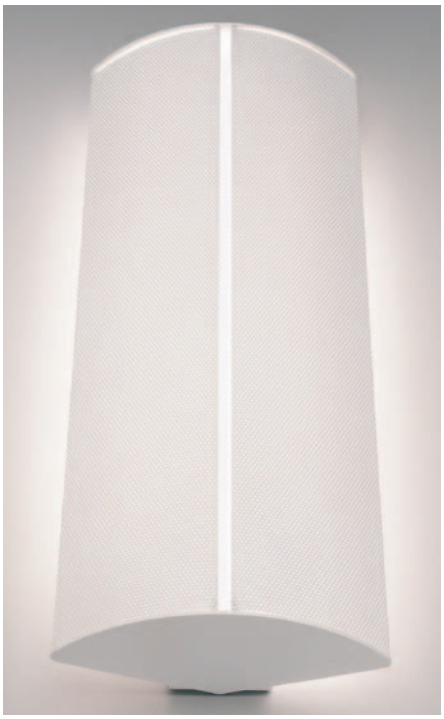
LPB = Number of lamps per ballast.

DALI = digital addressable dimming

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



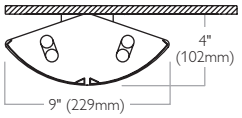
Alter classic wall
9"x 12", 9"x 24" & 9"x 48"

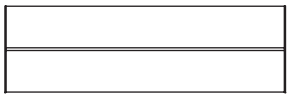
Direct/indirect sconce luminaires

This simple and clean design can create beautiful slim rows of perforated soft light or add a splash of light in a small space. Two high lumen TT5 Bi-Tube or 2 T8 lamps can provide high illumination levels when used in public spaces. (Luminaire not for through wiring).

QVW8SPFOS2FTUNVIB

Surface sconce microperforated mesh lamp shields, 2-lamp 40W TT5





12" (305mm) - 24" (610mm) - 48" (1220mm)

Reference data

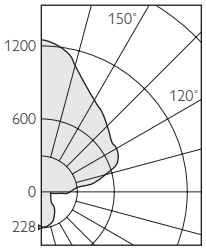
Efficiency	69.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	68.4W
Ballast factor	0.88

RCR	C.U.
1	60
3	46
5	36
7	29
10	21

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
	9" x 12"	2-TT5	18W	**QVW8SPFOS218**
Static	9" x 24"	2-TT5	40, 50, 55W	**QVW8SPFOS2FT**
	9" x 48"	2-T8	32W	**QVW8SPFOS232**

Example

QVW8SPFOS2FT	**UNV**	**IB**	
Alter Classic Wall Direct/indirect Sconce w/microperforated mesh lamp shields	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.46	**Options** See page 4.46 and page 4.72

Features

- Microperforated Mesh Lamp Shields provide a soft awareness of the light source.
- Alter soft white film on inside of microperforated Mesh Lamp Shields conceal lamp image providing balance between reflected and direct light.
- 4" deep, meets ADA when wall mounted.
- All luminaire surfaces have the same visual appearance.
- 95% reflective Alter soft white paint finish.
- One-piece body for easy installation.
- Swing open lamp shields for easy relamping.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type

Electronic		PowerSpec HDF dimming	
18W TT5	**BA**	40W TT5	**PB**
40W TT5	**IB**	T8	**PS**
50W TT5	**BP**		
55W TT5	**BF**		
T8	**HI**		

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

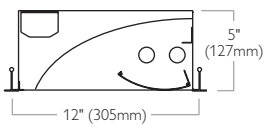
Alter Wal-Lyter 1' x 2' & 1' x 4'

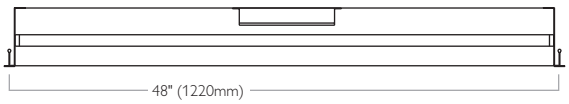
Direct/indirect luminaires

This recessed wall washer features smooth-flowing curves and a unique design that incorporates a single lateral lamp and reflector. The result is an asymmetrical light distribution that creates a soft glow and projects additional uniform light onto the wall. Style-matched with Alter full basket design.

QVS1GPFAD232UNVHI

1' x 4' Asymmetrical distribution microperforated mesh lamp shields, 2-lamp 32W T8





Reference data

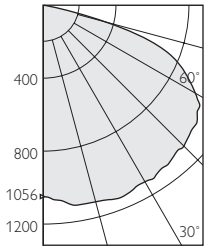
Efficiency	56.1%

Electronic ballast

Input watts (120V)	56.7W
Ballast factor	0.88

RCR	C.U.
1	58
3	44
5	34
7	28
10	21

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 2'	2-T8	17W	**QVS1GPFAD217**
		2-TT5	40, 50, 55W	**QVS1GPFAD2FT**
		1-T5	28W	**QVS1GPFAD128**
		1-T5HO	54W	**QVS1GPFAD154**
Static	1' x 4'	2-T5	28W	**QVS1GPFAD228**
		2-T5HO	54W	**QVS1GPFAD254**
		1-T8	32W	**QVS1GPFAD132**
		2-T8	32W	**QVS1GPFAD232**

Example **QVS1GPFAD232** | **UNV** | **HI** | _____

Alter Wal-Lyter
Direct/indirect asymmetrical distribution w/microperforated mesh lamp shields

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.47

Options
See page 4.47 and page 4.72

Features

- Microperforated Mesh Lamp Shields provides soft awareness of the light source.
- Swing-down lamp shield for easy relamping.
- Asymmetrical optical system provides a soft uniform wall wash

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**	T8	**PS**
T8	**HI**		
T5	**PG**		

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Alter louver 2' x 4' & 2' x 2'

Direct/indirect recessed static luminaires

The Alter Louver luminaire is designed for areas requiring higher light levels. The flat blade perforated louver provides a soft glow shielding. A lens overlay prevents direct view of the lamp source.

Features

- Flat blade louver lens overlay lamp shield and perforated curved side lamp shield.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- 95% reflective Alter soft white paint finish.
- 5 ½" deep, one-piece body for easy installation.
- Swing-down lamp shield for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid ceilings and drywall ceilings (see page 4.218).
- Luminaire can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**	T8	**PS**
3 LPB 40W TT5	**I3**		
T8	**HI**		
3 LPB T8	**H3**		
Program start T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.
Conversion kit for 2' x 4' unit: **FK92X4**.

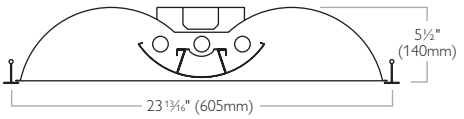
Hold down clips: Standard T 15/16" only: **QVS-HD**.

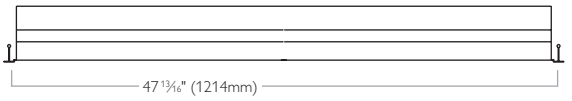
Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QVS2GPFLW332UNVH3

2' x 4' Microperforated mesh white lamp shields/white solid blades, 3-lamp 32W T8





Reference data

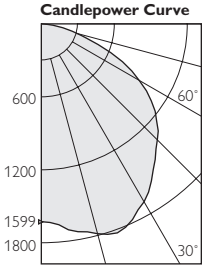
Efficiency	56.7%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	88.6W
Ballast factor	0.88

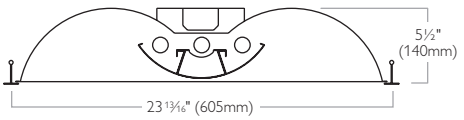
RCR	C.U.
1	60
3	47
5	37
7	29
10	21

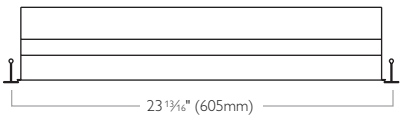
Candlepower Curve



QVS2GPFLW317UNVH3

2' x 2' Microperforated mesh white lamp shields/white solid blades, 3-lamp 17W T8





Reference data

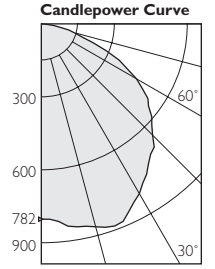
Efficiency	55.4%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	50.1W
Ballast factor	0.88

RCR	C.U.
1	59
3	46
5	36
7	29
10	21

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**QVS2GPFLW232**
		3-T8	32W	**QVS2GPFLW332**
		2-T5	28W	**QVS2GPFLW228**
		3-T5	28W	**QVS2GPFLW328**
		2-T5HO	54W	**QVS2GPFLW254**
		3-T5HO	54W	**QVS2GPFLW354**
Static	2' x 2'	2-TT5	40, 50, 55W	**QVS2GPFLW2FT**
		3-TT5	40, 50, 55W	**QVS2GPFLW3FT**
		2-T8	17W	**QVS2GPFLW217**
		3-T8	17W	**QVS2GPFLW317**
		2-T5HO	24W	**QVS2GPFLW224**
		3-T5HO	24W	**QVS2GPFLW324**

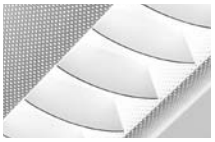
Example **QVS2GPFLW332** | **UNV** | **H3** | ☐

Alter Louver
Direct/indirect recessed w/microperforated mesh lamp shields

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.48

Options
See page 4.48 and page 4.72



White solid blade

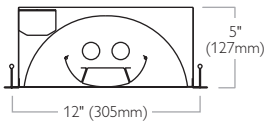
Alter louver 1' x 4'

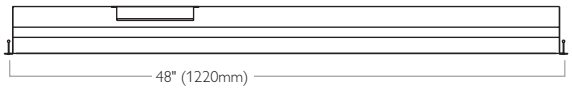
Direct/indirect recessed static luminaires

The Alter Louver luminaire is designed for areas requiring higher light levels. The flat blade perforated louver provides a soft glow shielding. A lens overlay prevents direct view of the lamp source.

QVS1GPFLG232UNVHI

1' x 4' Microperforated mesh white lamp shields/grey solid louver blades, 2-lamp 32W T8





Reference data

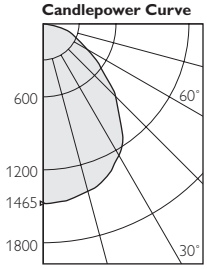
Efficiency	59.8%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	50.1W
Ballast factor	0.88

RCR	C.U.
1	64
3	51
5	41
7	33
10	24

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	2-T8	32W	**QVS1GPFLW232**
		2-T5	28W	**QVS1GPFLW228**
		2-T5HO	54W	**QVS1GPFLW254**

Example **QVS2GPFLV332**

Alter Louver
Direct/indirect recessed w/microperforated mesh lamp shields

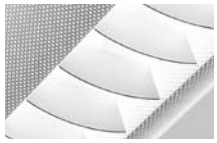
UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

H3

Ballast
See page 4.49

Options
See page 4.49 and page 4.72



White solid blade

Features

- Flat blade louver lens overlay lamp shield and perforated curved side lamp shield.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- 95% reflective Alter soft white paint finish.
- 5 ½" deep, one-piece body for easy installation.
- Swing-down lamp shield for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid ceilings and drywall ceilings (see page 4.218).
- Luminaire can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
T8	**HI**	T5	**PF**
3 LPB T8	**H3**	T8	**PS**
Program start T5	**PG**		

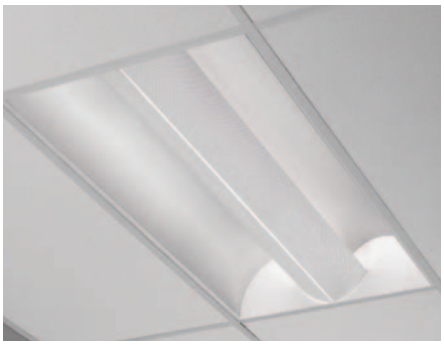
LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Alter Metalyte 2' x 4' & 2' x 2'

Direct/indirect recessed static luminaires

Sporting a modern look for modern decors, Alter Metalyte emit surprisingly soft light and a uniform, low-level luminance. Once illuminated the reflector and mesh lamp shields appear bathed in the same uniform brightness. The mixture of direct lighting and backlighting provides a mitigated yet stunning effect. These luminaires blend in particularly well with interiors featuring metallic elements.

Features

- Seamless semi-specular metallic reflector with lengthwise ridges.
- Available one-piece mesh lamp shields with no slot.
- Optional drop-down visual element comes in various colors (see page 4.72).
- Suited to row mounting for a continuous cove effect

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

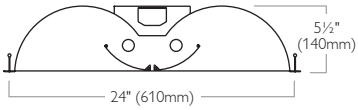
Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T8 (32W only)	**PS**
55W TT5	**BF**	IGEN DALI	**DA**
T8	**HI**		
3 LPB T8	**H3**		
T5	**PG**		

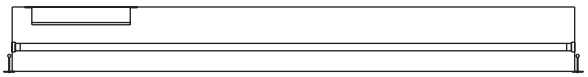
LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

QVS2GPTOS232UNVHI

2' x 4' Microperforated mesh lamp shields, 2-lamp 32W T8





RCR	C.U.
1	47
3	37
5	29
7	23
9	17

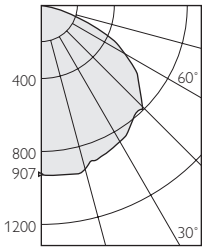
Reference data

Efficiency	44.8%
Spacing ratio	1.4

Electronic ballast

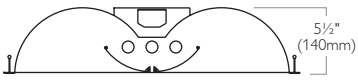
Input watts (120V)	57.1W
Ballast factor	0.88

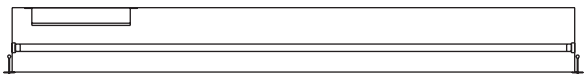
Candlepower Curve



QVS2GPTOS332UNVH3

2' x 4' Microperforated mesh lamp shields, 3-lamp 32W T8





RCR	C.U.
1	42
3	33
5	26
7	21
9	19

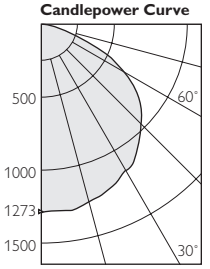
Reference data

Efficiency	39.4%
Spacing ratio	1.3

Electronic ballast

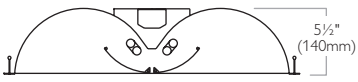
Input watts (120V)	80.4W
Ballast factor	0.88

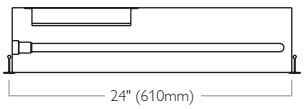
Candlepower Curve



QVS2GPTOS2FTUNVIB

2' x 2' Microperforated mesh lamp shields, 2-lamp 40W TT5





RCR	C.U.
1	42
3	33
5	26
7	21
9	19

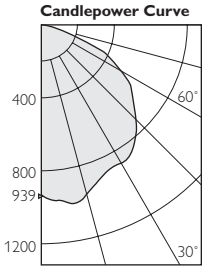
Reference data

Efficiency	39.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	80.4W
Ballast factor	0.88

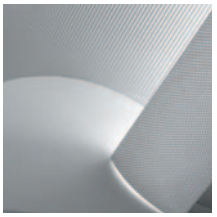
Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static*	2' x 4'	2-T8	32W	**QVS2GPTOS232**
		3-T8	32W	**QVS2GPTOS332**
		2-T5	28W	**QVS2GPTOS228**
		3-T5	28W	**QVS2GPTOS328**
		2-T5HO	54W	**QVS2GPTOS254**
		3-T5HO	54W	**QVS2GPTOS354**
		4-TT5	40, 50, 55W	**QVS2GPTOS4FT**
Static*	2' x 2'	1-TT5	40, 50, 55W	**QVS2GPTOS1FT**
		2-TT5	40, 50, 55W	**QVS2GPTOS2FT**
		2-T8	17W	**QVS2GPTOS217**
		3-T8	17W	**QVS2GPTOS317**
		2-T5HO	24W	**QVS2GPTOS224**
		3-T5HO	24W	**QVS2GPTOS324**

* For optional one-piece lamp shield, replace **OS** by **OP**.



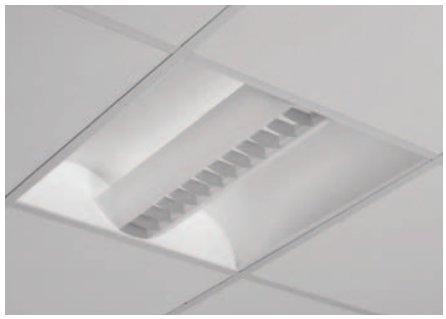
Example

QVS2GPTOS2FT	UNV	IB	
Alter Metalyte Direct/indirect recessed w/mesh lamp shields	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.50	**Options** See page 4.50 and page 4.72

Alter Metalyte louver 2'x4' & 2'x2'

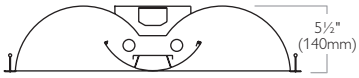
Direct/indirect recessed static luminaires

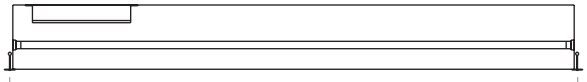
Sporting a modern look for modern decors, Alter Metalyte louver emit surprisingly soft light and a uniform, low-level luminance. This luminaire allows up to 3 TT5 lamps for a higher lumen package. Once illuminated the reflector and mesh lamp shield appear bathed in the same uniform brightness. The mixture of direct lighting, backlighting and the choice of louver and blades finishes indeed provides a mitigated yet stunning effect. These luminaires blend in particularly well with interiors featuring metallic elements.



QVS2GPTLG232UNVHI

2' x 4' Microperforated mesh white lamp shields/grey solid louver blades, 2-lamp 32W T8

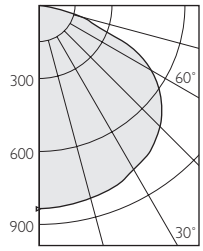




RCR	C.U.
1	43
3	34
5	27
7	21
9	16

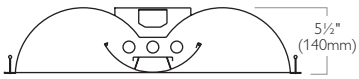
Reference data	
Efficiency	41.1%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	62.0W
Ballast factor	0.88

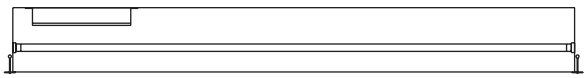
Candlepower Curve



QVS2GPTLG332UNVH3

2' x 4' Microperforated mesh white lamp shields/grey solid louver blades, 3-lamp 32W T8

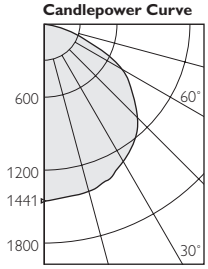




RCR	C.U.
1	47
3	37
5	29
7	23
9	19

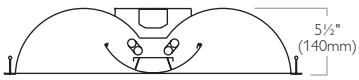
Reference data	
Efficiency	40.0%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	85.0W
Ballast factor	0.88

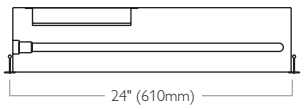
Candlepower Curve



QVS2GPTLG2FTUNVIB

2' x 2' Microperforated mesh white lamp shields/grey solid louver blades, 2-lamp 40W TT5

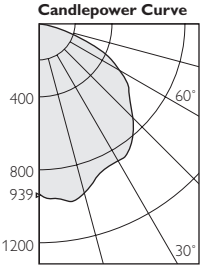




RCR	C.U.
1	43
3	34
5	27
7	22
9	17

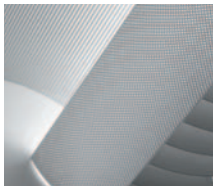
Reference data	
Efficiency	40.7%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	74.0W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static*	2' x 4'	2-T8	32W	**QVS2GPTLG232**
		3-T8	32W	**QVS2GPTLG332**
		2-T5	28W	**QVS2GPTLG228**
		3-T5	28W	**QVS2GPTLG328**
		2-T5HO	54W	**QVS2GPTLG254**
		3-T5HO	54W	**QVS2GPTLG354**
Static*	2' x 2'	2-TT5	40, 50, 55W	**QVS2GPTLG2FT**
		3-TT5	40, 50, 55W	**QVS2GPTLG3FT**
		2-T8	17W	**QVS2GPTLG217**
		3-T8	17W	**QVS2GPTLG317**
		2-T5HO	24W	**QVS2GPTLG224**
		3-T5HO	24W	**QVS2GPTLG324**



Example

QVS2GPTLG2FT	UNV	IB	
Alter Metalyte Louver Direct/indirect recessed w/mesh white lamp shields/grey solid louver blades	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.51	**Options** See page 4.51 and page 4.72

Features

- Seamless semi-specular metallic reflector with lengthwise ridges.
- Lens overlay preventing direct view of the lamp source.
- Choice of three flat blade louvers. (See bottom of page for ordering information).
- Suited to row mounting for a continuous cove effect.

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**	T8 (32W only)	**PS**
3 LPB 40W TT5	**I3**	IGEN DALI	**DA**
T8	**HI**		
3 LPB T8	**H3**		
T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Alter OPL 2' x 4'

Direct/indirect static curved opal lens recessed luminaires

Sober design, high performance and Alter's trademark balanced brightness come together beautifully in Alter OPL 2' x 4'. Exhibiting pure form, the one-piece opal acrylic lens produces soft glowing illumination that uniformly lights all surfaces, while creating a feeling of spaciousness. Exceptional value for lighting efficiency provides increased specification opportunities. Models with up to 3 high-output lamps ensure extra-wide lighting distribution in larger open spaces, including workplaces with no or low partitions. Also, this luminaire is well-suited to continuous rows, creating a continuous cove effect that enhances architectural perspectives.

Features

- 80.2% efficient three lamp 32W T8 2' x 4' luminaire.
- Alter soft white film inside of opal acrylic lamp shield conceals lamp image, providing balance between reflected and direct light.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- 95% reflective Alter soft white paint finish and specular interior reflector.
- 5 ½" deep one-piece body for easy installation.
- Swing-down lamp shield for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- Fully recessed luminaire and lamp compartment.
- Luminaire can be row mounted.
- Air handling version unavailable

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
T8	**HI**	T5	**PF**
3 LPB T8	**H3**	T5	**PS**
T5	**PG**		

LPB = Number of lamps per ballast.

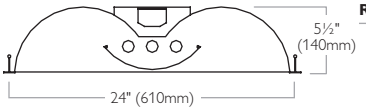
Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QVS2GOLOP332UNVH3

2' x 4' One-piece opal acrylic lamp shields, 3-lamp 32W T8



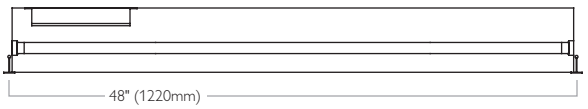
RCR	C.U.
1	78
3	65
5	55
7	47
9	40

Reference data

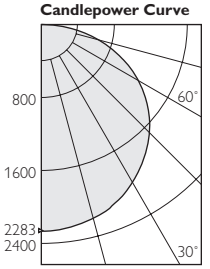
Efficiency	80.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	86.9W
Ballast factor	0.9



Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**QVS2GOLOP232**
		3-T8	32W	**QVS2GOLOP332**
		2-T5	28W	**QVS2GOLOP228**
		3-T5	28W	**QVS2GOLOP328**
		2-T5HO	54W	**QVS2GOLOP254**
		3-T5HO	54W	**QVS2GOLOP354**

Example

QVS2GOLOP232	**UNV**	**HI**	
Alter OPL	**Voltage**	**Ballast**	**Options**
Direct/indirect recessed w/one-piece opal lens	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.52 (347V N/A)	See page 4.52 and page 4.72

Alter OPL 2' x 2'

Direct/indirect static curved opal lens recessed luminaires

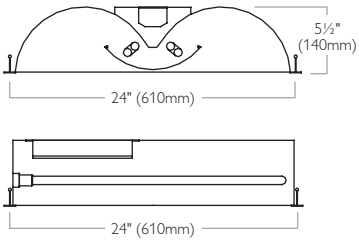
The one-piece opal acrylic lens features an attractive, uncluttered, flush-ceiling, shadowless look that adds elegance to modern interiors. What's more, Alter OPL offers excellent value, while providing superior efficiency. Alter OPL is ideal for open-plan environments, private offices, entrance halls and public spaces.

Features

- Alter soft white film inside of opal acrylic lamp shield conceals lamp image, providing balance between reflected and direct light.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- 95% reflective Alter soft white paint finish and specular interior reflector.
- 5 ½" deep one-piece body for easy installation.
- Swing-down lamp shield for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- Fully recessed luminaire and lamp compartment.
- Optional hold-down clips available.
- Luminaire can be row mounted.
- Air handling version not available

QVS2GOLOP2FTUNVIB

2' x 2' One-piece opal acrylic lamp shields, 2-lamp 40W TT5



RCR	C.U.
1	81
3	63
5	50
7	40
9	30

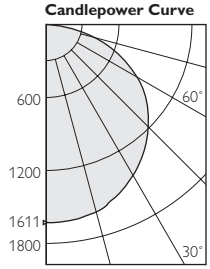
Reference data

Efficiency	71.8%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	64.6W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
		1-TT5	40, 50, 55W	**QVS2GOLOP1FT**
		2-TT5	40, 50, 55W	**QVS2GOLOP2FT**
		3-TT5	40, 50, 55W	**QVS2GOLOP3FT**
Static	2' x 2'	2-T8	17W	**QVS2GOLOP217**
		3-T8	17W	**QVS2GOLOP317**
		2-T5HO	24W	**QVS2GOLOP224**
		3-T5HO	24W	**QVS2GOLOP324**

Example **QVS2GOLOP2FT**

Alter OPL
Direct/indirect recessed w/one-piece opal lens

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

IB

Ballast
See page 4.53

Options
See page 4.53 and page 4.72

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**	T8	**PS**
3 LPB 40W TT5	**I3**		
T8	**HI**		
3 LPB T8	**H3**		
Program start T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Alter Waves 2' x 4' & 2' x 2'

Direct/indirect static side basket recessed luminaires

Architectural styling and curved door elements come together in this unique luminaire that provides balanced lighting environment. Dual-door light effect offers visual interest and soft awareness of the lighting element. Twin lateral opposing curved door lamp shields and Alter Soft Light reflector create soft light to enhance any decor.

Features

- Microperforated mesh lamp shields provide soft awareness of light source.
- Curved door lateral lamp shields project light upwards to reflector and provide indirect light.
- 95% reflective Alter soft white paint finish.
- Fully recessed lamp shields and reflector.
- Curved top and sides of reflector are formed together without any gaps or visual barriers.
- No visible welding, screws, latches, springs, holes, rivets or plastic supports.
- Optional solid or curved lamp shields.
- Alter soft white film inside of microperforated mesh lamp shield conceals lamp image, providing balance between reflected and direct light.
- Swing-down lamp shield for easy relamping.
- Easy access to ballast.
- Fits standard T-grid, exposed slot-T-grid and drywall ceilings (see page 4.218).
- Not suitable for row mounting

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**	T8	**PS**
T8	**HI**		
3 LPB T8	**H3**		
4 LPB T8	**H4**		
Program start T5	**PG**		

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

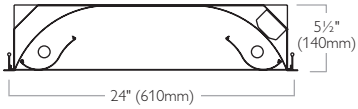
Hold down clips: Standard T 15/16" only: **QVS-HD**.

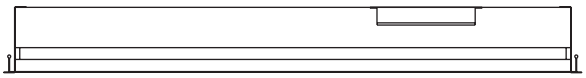
Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QVL2GPFSS232UNVHI

2' x 4' Microperforated mesh dual lateral side lamp shields, 2-lamp 32W T8

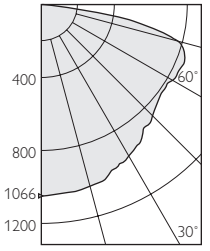




RCR	C.U.
1	66
3	48
5	37
7	30
10	23

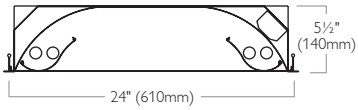
Reference data	
Efficiency	64.7%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	62.0W
Ballast factor	0.88

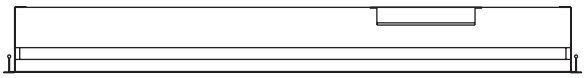
Candlepower Curve



QVL2GPFSS432UNVH4

2' x 4' Microperforated mesh dual lateral side lamp shields, 4-lamp 32W T8

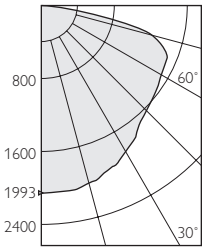




RCR	C.U.
1	60
3	45
5	35
7	28
10	20

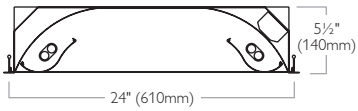
Reference data	
Efficiency	58.6%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	112.0W
Ballast factor	0.88

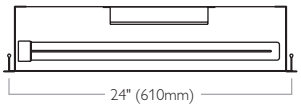
Candlepower Curve



QVL2GPFSS2FTUNVIB

2' x 2' Microperforated mesh dual lateral side lamp shields, 2-lamp 40W TT5

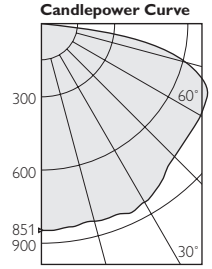




RCR	C.U.
1	47
3	36
5	28
7	22
10	178

Reference data	
Efficiency	45.2%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	74.0W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	28W	**QVL2GPFSS228**
		2-T5HO	54W	**QVL2GPFSS254**
		4-T5	28W	**QVL2GPFSS428**
		4-T5HO	54W	**QVL2GPFSS454**
		2-T8	32W	**QVL2GPFSS232**
		4-T8	32W	**QVL2GPFSS432**
Static	2' x 2'	2-TT5	40, 50, 55W	**QVL2GPFSS2FT**
		2-T5HO	24W	**QVL2GPFSS224**

* For optional curved lamp shield replace Wave lamp shield **SS** with **SR**.

Example

QVL2GPFSS2FT	**UNV**	**IB**	
Alter Waves	**Voltage**	**Ballast**	**Options**
Direct/indirect recessed w/microperforated mesh dual lateral lamp shields	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.54	See page 4.54 and page 4.72

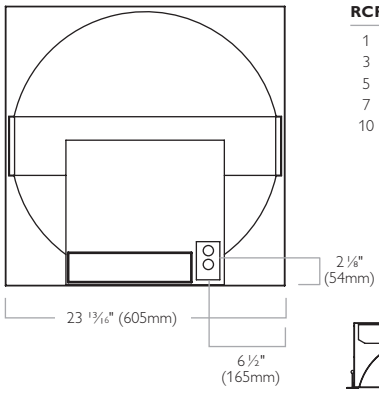
Alter Dome 2' x 2'

Direct/indirect static round recessed luminaires

Architectural luminaire with uniquely styled optic features "circle in square" form. The open look, elegant appearance and balanced soft light provide a distinctive touch. Rotating luminaires create patterns of light that add variety to the decor.

QVC2GPFOS1FTUNVBP

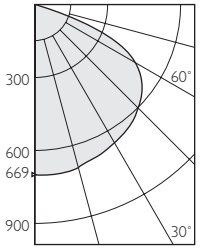
2' x 2' Microperforated mesh lamp shields, 1-lamp 50W TT5

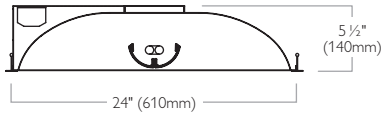


RCR	C.U.
1	56
3	42
5	33
7	27
10	21

Reference data	
Efficiency	53.9%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	53.7W
Ballast factor	0.88

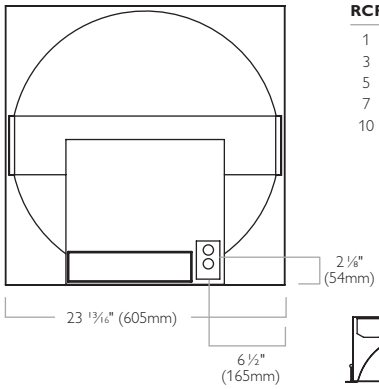
Candlepower Curve





QVC2GPFOS1FTUNVIB

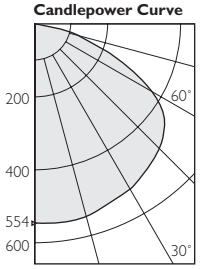
2' x 2' Microperforated mesh lamp shields, 1-lamp 40W TT5

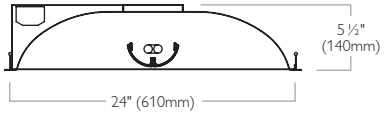


RCR	C.U.
1	60
3	45
5	36
7	29
10	22

Reference data	
Efficiency	58.3%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	47.3W
Ballast factor	0.88

Candlepower Curve





Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	1-TT5	40, 50, 55W	**QVC2GPFOS1FT**

Example **QVC2GPFOS1FT**

Alter Dome
Direct/indirect recessed w/microperforated mesh lamp shields

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

BP

Ballast
See page 4.55

Options
See page 4.55 and page 4.72

Features

- Utilizes one high-lumen TT5 compact fluorescent lamp.
- Microperforated mesh lamp shield provides soft awareness of the light source.
- Swing-down lamp shield for easy relamping.
- Alter soft white film on inside of microperforated mesh lamp shield conceals lamp image providing balance between reflected and direct light.
- 95% reflective Alter soft white paint finish and specular interior reflector

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	
Electronic	
40W TT5	**IB**
50W TT5	**BP**
55W TT5	**BF**

LPB = Number of lamps per ballast.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Hold down clips: Standard 15/16" only: **QVS-HD**.

Emergency pack: Not available.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Alter Windows 2' x 2'

Direct/indirect static symmetrical recessed luminaires

The gradations of light and gently curved square lamp shields of Alter Windows make a bold design statement. The non-directional design of the Alter Windows shield helps maintain the architectural look of a space. The multi-textured lamp shield and Alter Soft White reflector combine to create visual interest and gradations of light within a single lighting element.

Features

- Utilizes two triple tube (TTT) lamps.
- Alter soft white film inside of microperforated lamp shield conceals lamp image and provides balance between reflected and direct light.
- Opaque lens provides a gradation of light effect that creates visual interest and architectural detail.
- Unique symmetrical design elements.
- Fits standard T-grid, exposed slot-T-grid and drywall ceilings (see page 4.218).
- Swing-down design for easy relamping.
- No visible welding, screws, latches, springs, holes, rivets or plastic supports.
- For wall version (see next page).

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVTD**.

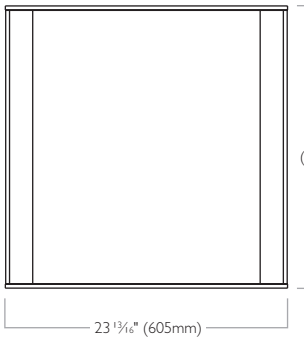
Ballast type

Electronic		PowerSpec HDF dimming	
26W TTT	**TB**	40W TTT	**PD**
32W TTT	**TC**		
42W TTT	**TD**		

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.
Hold down clips: Standard T 15/16" only: **QVS-HD**.
Emergency pack: Not available.

QVS2GPASQ2TTUNVTD

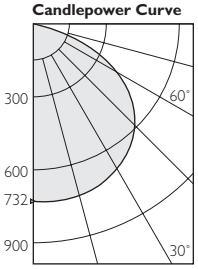
2' x 2' Recessed microperforated mesh square lamp shield, 2-lamp 42W TTT

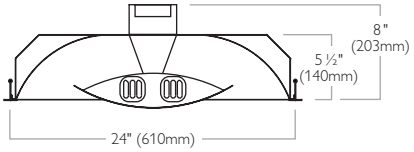


RCR	C.U.
1	49
3	39
5	31
7	24
10	18

Reference data	
Efficiency	46.7%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	71.6W
Ballast factor	1

Candlepower Curve





Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-TTT	26, 32, 42W	**QVS2GPASQ2TT**

Example **QVS2GPASQ2TT** + **UNV** + **TD** + ( )

QVS2GPASQ2TT — **Alter Waves**
Direct/indirect recessed w/solid white perimeter lamp shield/white mesh center

UNV — **Voltage**
120 = 120V
277 = 277V
UNV= 120-277V

TD — **Ballast**
See page 4.56

( ) — **Options**
See page 4.56 and page 4.72

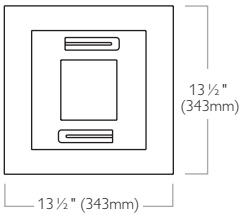
Alter Windows Wall 13 ½" x 13 ½"

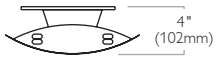
Direct/indirect recessed luminaires

Matches ceiling luminaire styling. Protruding design projects light backwards to wall, creating a splash of light that surrounds the luminaire. Attention is focused on the gradations of light that frame the translucid center.

QVW1SPASQ2QTUNVF4

13 ½" x 13 ½" Surface wall microperforated mesh square lamp shield, 2-lamp 18W QT

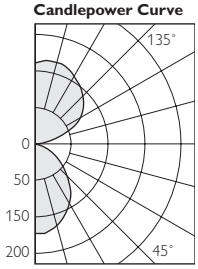




RCR	C.U.
1	35
3	24
5	18
7	14
10	10

Reference data	
Efficiency	40.2%
Electronic ballast	
Input watts (120V)	38.3W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	13 ½" x 13 ½"	2-QT	18W	**QVW1SPASQ2QT**

Example

QVW1SPASQ2QT	UNV	F4	
Alter Windows Direct/indirect recessed w/solid white perimeter lamp shield/white mesh center	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.57	**Options** See page 4.57 and page 4.72

Features

- Utilizes two quad tube (QT) lamps for surface wall.
- Alter soft white film inside of microperforated lamp shield conceals lamp image and provides balance between reflected and direct light.
- Opaque lens provides a gradation of light effect that creates visual interest and architectural detail.
- Unique symmetrical design elements.
- No visible welding, screws, latches, springs, holes, rivets or plastic supports.
- Compact ADA compliant wall sconce form (4" deep) makes it ideal for mounting on columns and for use where wall space is limited

Options & accessories

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVF4**.

F4: Electronic P.S., 1 or 2 lamps per ballast 18W Quad Tube.

QD: 18W QT PowerSpec HDF dimming. (Not available in 347V)

Emergency pack: Not available.

Alter TileLyte 2' x 2'

Direct/indirect recessed static luminaires with glass lens

Alter TileLyte comprises a recessed 2' x 2' square of radiant light, softened by an interior opal film. It installs flush with the ceiling using decorative hardware, while concealing T-bars. This textured lighting element features glass with chamfered edges, bringing pure sophistication to modern interiors.

Easy Maintenance

- Easy-to-remove thumbscrews facilitate lowering of glass shield.
- Aircraft-cable safety chain attaches behind each thumbscrew to hold glass shield when open.
- Safety chains can be removed for easy cleaning, ballast access and lamp replacement

Elegant Compatibility

- Fits all ceiling grid types (standard T, slim-T and slot-T).
- Blends in with regular flat-edge and aesthetic recessed-edge ceiling tiles.
- Four decorative stainless-steel thumbscrews creating discreet visual interest at the ceiling line

Endless Possibilities

- Unlimited ability to create luminous ceiling patterns.
- Configuration versatility complements ceiling designs, adapts well to architectural interiors.
- Creative side-by-side installations can generate rows, squares, rectangles, "L" shapes, "T" shapes and other geometric figures

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVPG**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**		
T5	**PG**		
3 LPB 40W TT5	**I3**		

LPB = Number of lamps per ballast.

Dimming ballast recommended with certain configurations.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

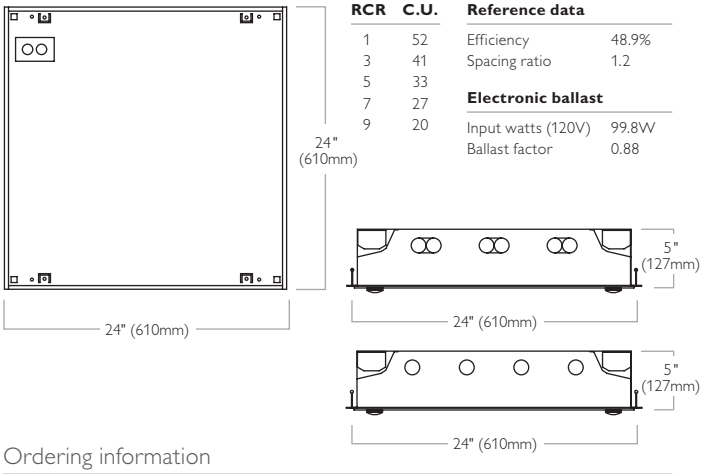
Hold down clips: Standard T 15/16" only: **QVS-HD**.

Lens replacement: Available as a complete assembly. Order cat. no.: **QVD22GLOP**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QVD2GGLOP3FTUNVI3

2' x 2' Glass with opal film, 3-lamp 40W TT5

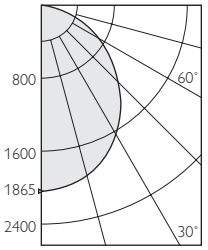


RCR	C.U.
1	52
3	41
5	33
7	27
9	20

Reference data	
Efficiency	48.9%
Spacing ratio	1.2

Electronic ballast	
Input watts (120V)	99.8W
Ballast factor	0.88

Candlepower Curve



Ordering information

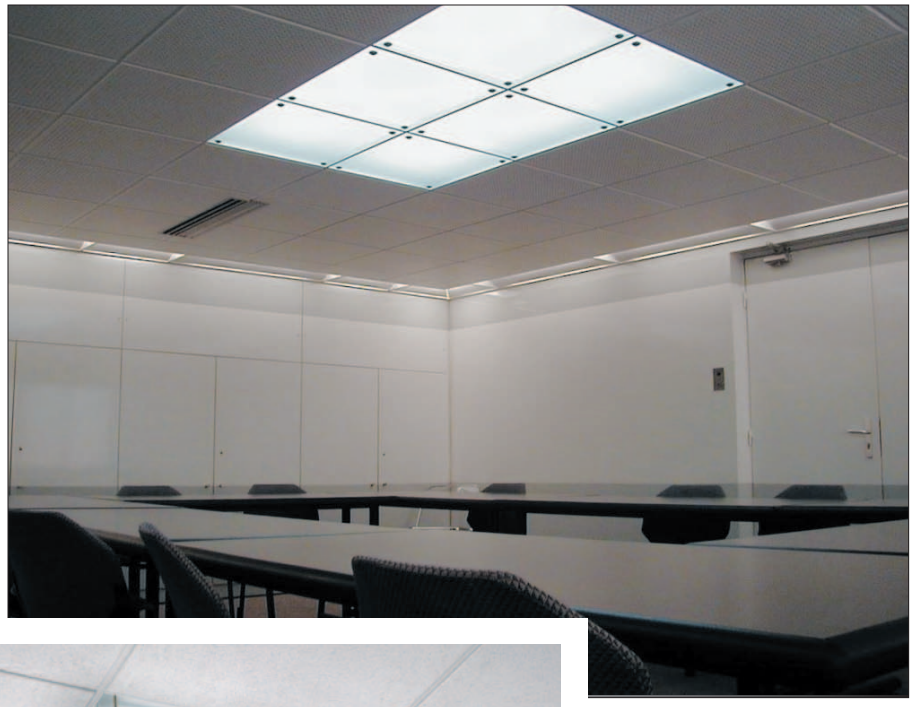
Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	3-TT5	40, 50, 55W	**QVD2GGL0P3FT**
		3-T5	14W	**QVD2GGL0P314**
		3-T5	24W	**QVD2GGL0P324**
		4-T5	14W	**QVD2GGL0P414**
		4-T5	24W	**QVD2GGL0P424**

Example

QVD2GGLOP3FT	UNV	I3	
Alter TileLyte	**Voltage**	**Ballast**	**Options**
Direct/indirect recessed glass with opal film	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.58	See page 4.58 and page 4.72

Alter TileLyte 2' x 2'

Direct/indirect recessed static luminaires with glass lens



Alter Slim Semi-recessed 2'x4' & 2'x2'

Direct/indirect recessed static luminaires

This slimly profiled luminaire adds beauty and visual interest to the ceiling. With their gently curved fluid architectural details, they blend into the ceiling perspective. For applications where plenum depth is limited. The combined use of style matched Slim Semi-recessed and Slim Surface luminaires can provide the perfect solution.

Features

- Microperforated mesh lamp shields provide a soft awareness of the light source.
- Alter soft white film on inside of microperforated mesh lamp shields conceal lamp image providing balance between reflected and direct light.
- Luminaire is 2-3/16" total depth for easy installation into shallow plenum.
- Swing-down lamp shields for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- Optional drop-down visual element.
- Can be row mounted.
- T8 not available

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**		
T5	**PG**		

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Hold down clips: Standard T 15/16" only: **QVS-HD**. Add appropriate Suffix: **PF** (Perforated) or **SD** (Solid) (e.g. QVH2G**PF** / QVH2G**SD**).

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Clear acrylic plate drop down element

Clear polished acrylic drop-down visual element with projected color face. Substitute acrylic color suffix in place of open slot only.

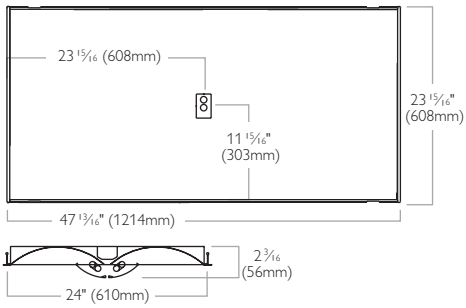
Suffix: GC (clear) **GB** (blue)
GG (green) **GR** (red)

e.g. QVH2GPF**OS** (**OS** = Open Slot)
e.g. QVH2GPF**GB** (**GB** = Blue Acrylic)

For other colors or special orders, consult your Philips Lightolier representative.

QVH2GPFOS4FTUNVIB

2' x 4' Slim semi-recessed microperforated mesh lamp shields, 4-lamp 40W TT5



Reference data

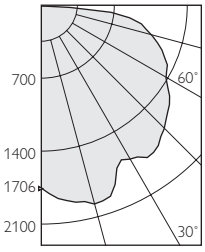
Efficiency	52.6%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	142.0W
Ballast factor	0.88

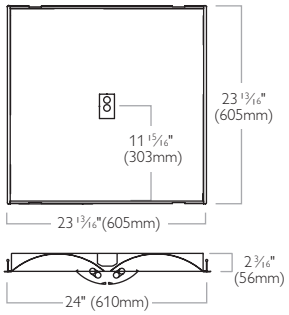
RCR	C.U.
1	53
3	40
5	32
7	25
9	21

Candlepower Curve



QVH2GPFOS2FTUNVIB

2' x 2' Slim semi-recessed microperforated mesh lamp shields, 2-lamp 40W TT5



Reference data

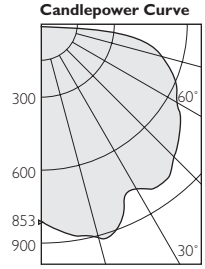
Efficiency	52.6%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	67.0W
Ballast factor	0.88

RCR	C.U.
1	53
3	39
5	30
7	25
9	21

Candlepower Curve



Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static microperforated mesh lamp shields	2' x 4'	2 1/4"	2-TT5	40, 50, 55W	**QVH2GPFOS2FL**
			4-TT5	40, 50, 55W	**QVH2GPFOS4FT**
			2-T5	28W	**QVH2GPFOS228**
			2-T5HO	54W	**QVH2GPFOS254**
			3-T5	28W	**QVH2GPFOS328**
			3-T5HO	54W	**QVH2GPFOS354**
Static microperforated mesh lamp shields	2' x 2'	2 1/4"	2-T5HO	24W	**QVH2GPFOS224**
			3-T5HO	24W	**QVH2GPFOS324**
			1-TT5	40, 50, 55W	**QVH2GPFOS1FT**
			2-TT5	40, 50, 55W	**QVH2GPFOS2FT**

Example **QVH2GPFOS2FT**
Alter Slim Semi-recessed
Direct/indirect recessed with microperforated mesh lamp shields

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

IB
Ballast
See page 4.60

Options
See page 4.60 and page 4.72

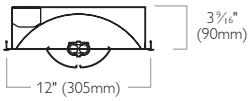
Alter Slim Semi-recessed 1' x 4'

Direct/indirect recessed static luminaires

This slimly profiled luminaire adds beauty and visual interest to the ceiling. With their gently curved fluid architectural details, they blend into the ceiling perspective. For applications where plenum depth is limited. The combined use of style matched Slim Semi-recessed and Slim Surface luminaires can provide the perfect solution.

QVH1GPFOS2FTUNVIB

1' x 4' Slim semi-recessed microperforated mesh lamp shields, 2-lamp 40W TT5

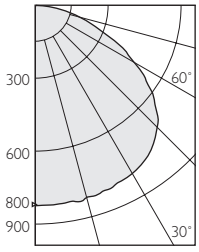


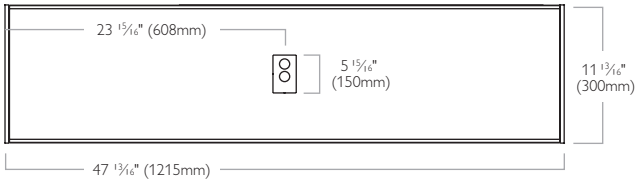
RCR	C.U.
1	50
3	38
5	30
7	24
10	18

Reference data	
Efficiency	47.5%
Spacing ratio	1.4

Electronic ballast	
Input watts (120V)	68.0W
Ballast factor	0.9

Candlepower Curve





Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static microperforated mesh lamp shields	1' x 4'	3-9/16"	2-TT5	40, 50, 55W	**QVH1GPFOS2FT**
			2-T5	28W	**QVH1GPFOS228**
			2-T5HO	54W	**QVH1GPFOS254**

Example: **QVH1GPFOS2FT** | **UNV** | **IB** | _____

Alter Slim Semi-recessed
Direct/indirect recessed with microperforated mesh lamp shields

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.61

Options
See page 4.61 and page 4.72

Features

- Microperforated mesh lamp shields provide a soft awareness of the light source.
- Alter soft white film on inside of microperforated mesh lamp shields conceal lamp image providing balance between reflected and direct light.
- Luminaire is 3-9/16" total depth for easy installation into shallow plenum.
- Swing-down lamp shields for easy relamping.
- Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- Optional drop-down visual element.
- Can be row mounted

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T8	**PS**
55W TT5	**BF**		
T5	**PG**		

Drywall kit: Conversion kit for 2' x 2' unit: **FK91X4**.

Hold down clips: Standard T 15/16" only: **QVS-HD**. Add appropriate Suffix: **PF** (Perforated) or **SD** (Solid) (e.g. QVH1G**PF**/QVH1G**SD**).

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Clear acrylic plate drop down element

Clear polished acrylic drop-down visual element with projected color face. Substitute acrylic color suffix in place of open slot only.

Suffix: GC (clear) **GB** (blue)
GG (green) **GR** (red)

e.g. QVH2GPF**OS** (**OS** = Open Slot)
e.g. QVH2GPF**GB** (**GB** = Blue Acrylic)

For other colors or special orders, consult your Philips Lightolier representative.

Alter Slim Surface 2' x 4' & 2'x2'

Direct/indirect recessed luminaires

These slimly profiled luminaires add beauty and visual interest to the ceiling. With their gently curved fluid architectural details, they blend into the ceiling perspective. For applications where plenum depth is limited. The combined use of style matched slim semi-recessed and slim surface luminaires can provide the perfect solution.

Features

- Alter soft white film on inside of microperforated mesh lamp shields conceal lamp image providing balance between reflected and direct light.
- Utilize the same reflector and optics design as Slim Semi-recessed model providing the same lighting performance. Luminaire with its contoured housing gives the visual perception of a very low-profile luminaire.
- Contoured housing depth only 2 1/4". Total depth 3 15/16".
- 95% reflective Alter soft white paint finish and specular interior reflector.
- Swing-down lamp shields for easy relamping. Easy access to ballast through lamp compartment.
- Fits standard T-grid, exposed slot T-grid and drywall ceilings.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- T8 not available.

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**	T5	**PF**
55W TT5	**BF**		
T5	**PG**		

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Clear acrylic plate drop down element

Clear polished acrylic drop-down visual element with projected color face. Substitute acrylic color suffix in place of open slot only.

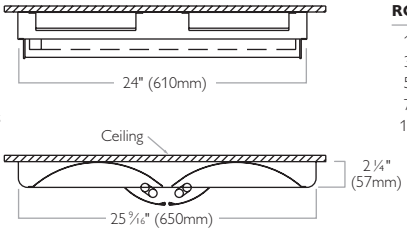
Suffix: GC (clear) **GB** (blue)
GG (green) **GR** (red)

e.g. QVH2GPF**OS** (**OS** = Open Slot)
e.g. QVH2GPF**GB** (**GB** = Blue Acrylic)

For other colors or special orders, consult your Philips Lightolier representative.

QVF2SPFOS2FTUNVIB

2' x 2' Slim surface microperforated mesh lamp shields, 2-lamp 40W TT5



RCR	C.U.
1	53
3	39
5	30
7	25
10	19

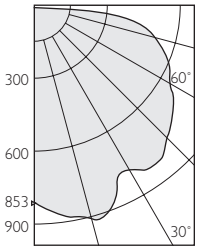
Reference data

Efficiency	52.6%
Spacing ratio	1.5

Electronic ballast

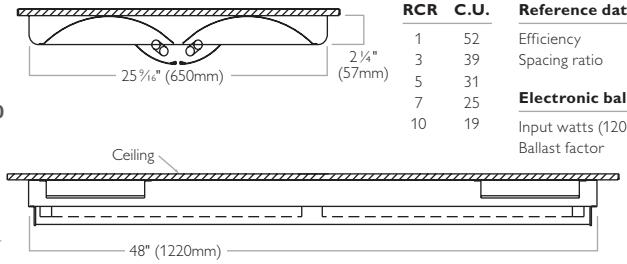
Input watts (120V)	67.0W
Ballast factor	0.88

Candlepower Curve



QVF2SPFOS4FTUNVIB

2' x 4' Surface wall microperforated mesh lamp shields, 4-lamp 40W TT5



RCR	C.U.
1	52
3	39
5	31
7	25
10	19

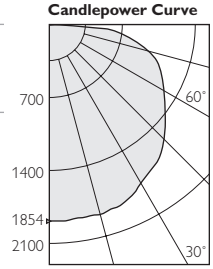
Reference data

Efficiency	51.0%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	130.0W
Ballast factor	0.88

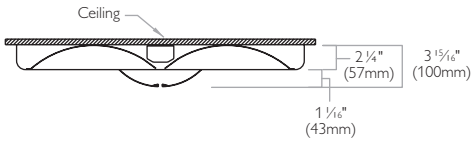
Candlepower Curve



Alter Slim Surface: added profile dimensions

1-11/16" = Depth of basket from bottom of surface frame
2-1/4" = Full depth of fixture from ceiling surface

Allow 3" for recessed T-bar mounting
Actual recessed luminaire depth ⅝"



Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static Microperforated Mesh Lamp Shields	2' x 4'	3 15/16"	2-TT5	40, 50, 55W	**QVF2SPFOS2FT**
			4-TT5	40, 50, 55W	**QVF2SPFOS4FT**
			2-T5	28W	**QVF2SPFOS228**
			2-T5HO	54W	**QVF2SPFOS254**
			3-T5	28W	**QVF2SPFOS328**
			3-T5HO	54W	**QVF2SPFOS354**
Static Microperforated Mesh Lamp Shields	2' x 2'	3 15/16"	1-TT5	40, 50, 55W	**QVF2SPFOS1FT**
			2-TT5	40, 50, 55W	**QVF2SPFOS2FT**
			2-T5HO	24W	**QVF2SPFOS224**
			3-T5HO	24W	**QVF2SPFOS324**

Example **QVF2SPFOS2FT**

Alter Slim Surface
Direct/indirect recessed with microperforated mesh lamp shields

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

IB

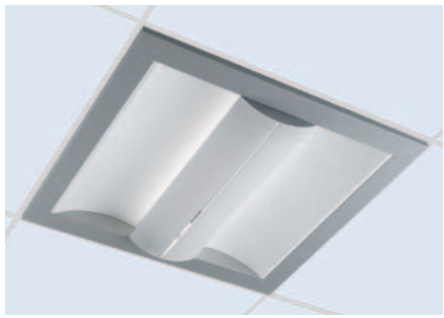
Ballast
See page 4.62

Options
See page 4.62 and page 4.72

Alter Slim Square 2' x 2'

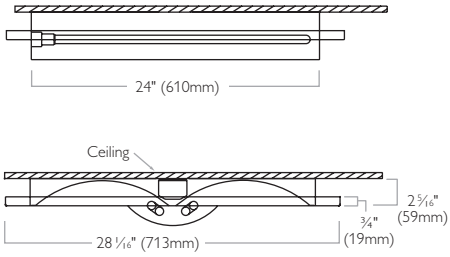
Direct/indirect recessed luminaires

Featuring an attractive inset frame, Alter Slim Square produces a floating effect while hugging the ceiling line. This surface-mount fluorescent luminaire displays a sleek profile with architectural detailing that blends into most environments. For balanced brightness applications where plenum depth is very limited.



QVB2SPGOS2FTUNVIB

2' x 2' Microperforated mesh lamp shields, 2-lamp 40W TT5



Reference data

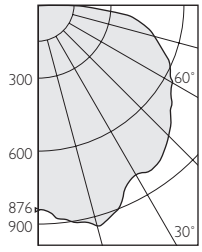
Efficiency	50.5%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	64.5W
Ballast factor	0.88

RCR	C.U.
1	52
3	39
5	31
7	25
10	20

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static with white body microperforated mesh white lamp shields	2' x 2'	1-TT5 2-TT5	40, 50, 55W 40, 50, 55W	**QVB2SPWOS1FT** **QVB2SPWOS2FT**
Static with titanium body microperforated mesh white lamp shields	2' x 2'	1-TT5 2-TT5	40, 50, 55W 40, 50, 55W	**QVB2SPGOS1FT** **QVB2SPGOS2FT**

For Solid Lamp Shield replace **PW** or **PG** by **SW** or **SG**.

Example **QVB2SPGOS2FT**

Alter Slim Semi-recessed
Direct/indirect recessed with microperforated mesh lamp shields

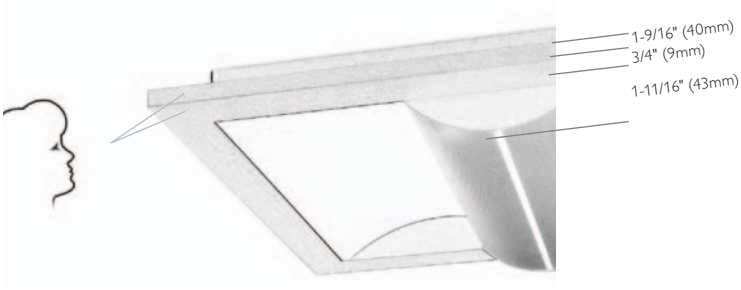
UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

IB

Ballast
See page 4.63

Options
See page 4.63 and page 4.72



Slim Square 3/4" contoured frame gives the luminaire a very low profile visual perception.

Features

- Microperforated mesh lamp shield.
- Available either in white or titanium painted finish.
- Economical construction providing excellent value.

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**		
55W TT5	**BF**		

Alter Concept

Direct/indirect recessed luminaires

Alter Concept

Direct/indirect recessed luminaires

Less bulk. Less weight. More performance – up to 92.7% efficient. More sustainable lighting opportunities, especially in shallow and cluttered plenums. And more lighting value for today's modern interiors.

Lower profile: 3⅝" vs. 5½"

- Suited to sustainable building trend favouring less materials and shallower plenums with 3⅜" depth ideal for restricted ceiling space (standard Alter Classic housing is 5½").
- Streamlined lightweight construction Alter Concept luminaires are about 30% lighter than regular Alter models with 5½" housings.
- Material-saving approach These products feature less fuel consumption for transportation. Also, they use considerably less steel and less packaging than standard luminaires.
- Architectural flexibility Alter Concept luminaires can help reduce floor-to-floor heights and overall building elevation, while minimizing the use of energy and resources

Solid edge lamp shield

Most Alter Concept models with microperforated mesh lamp shield include signature Solid Edge finish for aesthetic visual appearance where shield and reflector meet.

Old version

Improved version with Solid-Edge technology and seamless design

Increased maintenance convenience

Tool-free access from below facilitates lamp and ballast replacements.

Decorative elements

Glass versions of Alter Concept Elegance, including style-matched Alter Elegance Glass Wall, integrate richly textured architectural materials, such as frosted ridged glass and natural satin-finished metal.

Less is more

Introducing a combination of functionalities so practical, they could change the way architects design energy efficient buildings. Alter Concept features a generation of low profile luminaires. In addition to offering Alter hallmark aesthetics in a greener, more compact and more affordable lighting package, these luminaires deliver superior lighting output well suited to meeting sustainability objectives and LEED requirements.

Alter Concept Elegance

Available in glass and perforated steel shielding models, and in a lens version with fully enclosed dust-free lamp compartment ideal for food preparation areas and hospital applications.

Alter Concept SR

Semi-recessed T5 and T8 versions with microperforated mesh lamp shield.

Alter Concept Elegance Perforated 2' x 4', 2' x 2' & 1' x 4'

Direct/indirect static shallow T5 recessed luminaires

Attractive Concept Elegance provides outstanding lighting design statements in offices and public spaces. This luminaire features seamless construction along with the clean look of solid-edge microperforated mesh lamp shields. It belongs to the Alter Concept collection of sustainable lighting elements, offering cost-effective lighting in a lightweight, low-profile design ideal for shallow plenums, modern interiors and green buildings.

Features

- Efficiencies up to 67.9%.
- Seamless welded form for 2' x 2' and 2' x 4' models: curved top and side reflectors are formed together without any gaps or visual barriers.
- Shallow design, only 3⅝" deep for easy installation in shallow plenum.
- Post-painted luminaire.
- Solid-Edge swing-down microperforated lamp shield for easy relamping and maintenance.
- Alter soft white film on inside of mesh conceals lamp image providing balance between reflected and direct light.
- Fully recessed luminaire and lamp compartment.
- 95% Reflective Alter soft white paint finish.
- One-piece body for easy installation.
- Easy access to ballast through lamp compartment.
- Can be row mounted.
- Fits standard 15/16" T-Grid, Slot T-Grid

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVPG**.

Ballast type	<10THD
Electronic T5/T5HO Program start	**PG**
Electronic TT5 40W Instant start	**IB**
Electronic TT5 40W Program rapid start	**PR**
Electronic TT5 50W Rapid start	**BP**
Electronic TT5 55W Rapid start	**BF**
Electronic (2) T5 28W Step-dim Programed Rapid Start (B.F.=0.95/0.35)	**AY**
Electronic TT5/T5/T5HO Program start DALI Digital addressable dimming	**DA**

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.
Conversion kit for 1' x 4' unit: **FK91X4**.

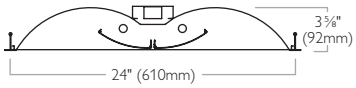
Hold down clips: Standard T 15/16" only: **QVS-HD**.

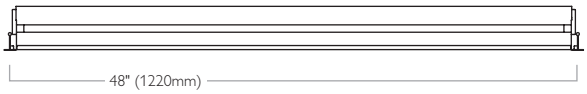
Emergency Lighting: Consult factory for options.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QCE2GPFOS228UNVPG

2' x 4' Alter Concept Elegance Perf, 2-Lamp 28W T5

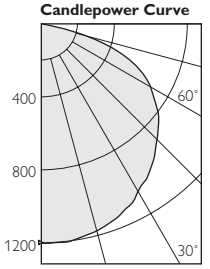




RCR	C.U.
1	71
3	55
5	43
7	34
10	25

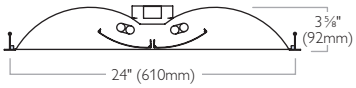
Reference data	
Efficiency	67.9%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	65.0W
Ballast factor	1.0

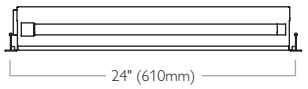
Candlepower Curve



QCE2GPFOS2FTUNVPR

2' x 2' Alter Concept Elegance Perf, 2-Lamp 40W TT5

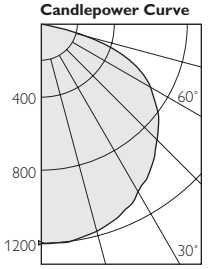




RCR	C.U.
1	59
3	46
5	36
7	29
10	22

Reference data	
Efficiency	56.0%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	68.5W
Ballast factor	0.9

Candlepower Curve



Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static microperforated mesh lamp shields	2' x 4'	3⅝"	2-T5	28W	**QCE2GPFOS228**
			3-T5	28W	**QCE2GPFOP328***
			2-T5HO	54W	**QCE2GPFOS254**
Static microperforated mesh lamp shields	2' x 2'	3⅝"	2-TT5	40, 50, 55W	**QCE2GPFOS2FT**
			2-T5HO	24W	**QCE2GPFOS224**
Static microperforated mesh lamp shields	1' x 4'	3⅝"	1-T5HO	54W	**QCE1GPFOS154**
			2-T5	28W	**QCE1GPFOS228**
			2-T5HO	54W	**QCE1GPFOS254**

Replace **OS** (open slot) by **OP** for one piece lamp shield (e.g. QCE2GPF**OP**2FTUNVIB).
* 3-lamp combination only available with one-piece lamp shield.

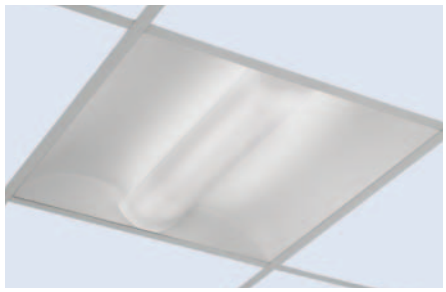
Example

QCE2GPFOS2FT	UNV	IB	
Alter Concept Elegance Perf Direct/indirect recessed	**Voltage** **UNV**= 120-277V	**Ballast** See page 4.66	**Options** See page 4.66 and page 4.72

Alter Concept Elegance Lens 2' x 4', 2' x 2' & 1' x 4'

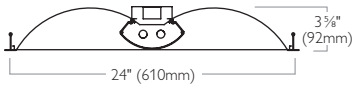
Direct/indirect static shallow T5 recessed luminaires

The Concept Elegance Lens model takes lighting performance to new levels while delivering Alter's signature soft lighting effect. It features superior efficiency and seamless construction. It belongs to the Alter Concept collection of sustainable lighting elements, offering cost-effective lighting in a lightweight, low-profile design ideal for shallow plenums, modern interiors and green buildings.



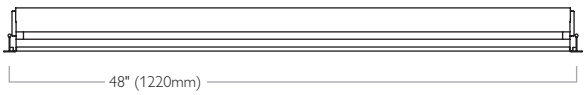
QCE2GOLOP228UNVPG

2' x 4' Alter Concept Elegance Lens, 2-Lamp 28W T5

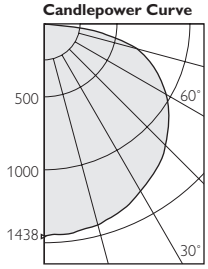


RCR	C.U.
1	96
3	72
5	56
7	45
10	33

Reference data	
Efficiency	92.7%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	61.5W
Ballast factor	1.0

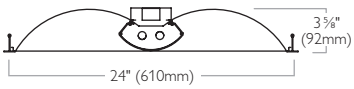


Candlepower Curve



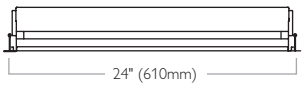
QCE2GOLOP214UNVPG

2' x 2' Alter Concept Elegance Lens, 2-Lamp 14W T5

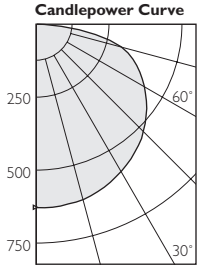


RCR	C.U.
1	83
3	56
5	41
7	32
10	23

Reference data	
Efficiency	87.6%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	32.6W
Ballast factor	1.0



Candlepower Curve



Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static Etched lens lamp shields	2' x 4'	3⅝"	2-T5	28W	**QCE2GOLOP228**
			2-T5HO	54W	**QCE2GOLOP254**
Static etched lens lamp shields	2' x 2'	3⅝"	1-TT5	40, 50, 55W	**QCE2GOLOP1FT**
			2-T5	14W	**QCE2GOLOP214**
			2-T5HO	24W	**QCE2GOLOP224**
Static etched lens lamp shields	1' x 4'	3⅝"	1-T5HO	54W	**QCE1GOLOP154**
			2-T5	28W	**QCE1GOLOP228**
			2-T5HO	54W	**QCE1GOLOP254**

Example **QCE2GOLOP214**
Alter Concept Elegance Lens
Direct/indirect recessed

UNV
Voltage
UNV= 120-277V

PG
Ballast
See page 4.67

Options
See page 4.67 and page 4.72

Features

- Efficiencies up to 92.7%.
- Seamless welded form for 2' x 2' and 2' x 4' models: curved top and side reflectors are formed together without any gaps or visual barriers.
- Shallow design, only 3⅝" deep for easy installation in shallow plenum.
- Post-painted luminaire.
- High performance contoured lens conceals lamp image providing balance between reflected and direct light.
- No tools required to remove lens for easy relamping and maintenance.
- Fully recessed luminaire and lamp compartment.
- 95% Reflective Alter soft white paint finish.
- One-piece body for easy installation.
- Easy access to ballast through lamp compartment.
- Can be row mounted.
- Fits standard 15/16" T-Grid, Slot T-Grid or drywall ceilings

Options & accessories

page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVPG**.

Ballast type	<10THD
Electronic T5/T5HO Program start	**PG**
Electronic TT5 40W Instant start	**IB**
Electronic TT5 40W Program rapid start	**PR**
Electronic TT5 50W Rapid start	**BP**
Electronic TT5 55W Rapid start	**BF**
Electronic (2) T5 28W Step-dim Programed Rapid Start (B.F.=0.95/0.35)	**AY**
Electronic TT5/T5/T5HO Program start DALI Digital addressable dimming	**DA**

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.
Conversion kit for 1' x 4' unit: **FK91X4**.

Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency Lighting: Consult factory for options.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Alter Concept Elegance Glass 2' x 4' & 2' x 2'

Direct/indirect static shallow T5 recessed luminaires

Concept Elegance Glass exudes soft lighting presence to bring an air of distinction to architectural decors. This luminaire family features beautifully textured glass panels, seamless construction and includes a 2' x 4' version. It belongs to the Alter Concept collection of sustainable lighting elements, offering cost-effective lighting in a lightweight, low-profile design ideal for shallow plenums, modern interiors and green buildings.

Features

- Efficiencies up to 70.7%.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- Shallow design, only 3⅝" deep for easy installation in shallow plenum.
- Post-painted luminaire.
- Elegant ridged glass lamp shields on hinged aluminium extrusions swing down for easy relamping and maintenance.
- Alter soft white film on inside of ridged glass conceals lamp image providing balance between reflected and direct light.
- Fully recessed luminaire and lamp compartment.
- 95% Reflective Alter soft white paint finish.
- One-piece body for easy installation.
- Easy access to ballast through lamp compartment.
- Can be row mounted.
- Fits standard 15/16" T-Grid, Slot T-Grid

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVPG**.

Ballast type	<10THD
Electronic T5/T5HO Program start	**PG**
Electronic TT5 40W Instant start	**IB**
Electronic TT5 40W Program rapid start	**PR**
Electronic TT5 50W Rapid start	**BP**
Electronic TT5 55W Rapid start	**BF**
Electronic (2) T5 28W Step-dim Programed rapid start (B.F.=0.95/0.35)	**AY**
Electronic TT5/T5/T5HO Program start DALI Digital addressable dimming	**DA**

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**. Conversion kit for 2' x 2' unit: **FK92X2**.

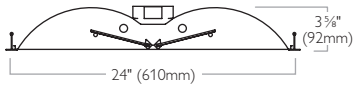
Hold down clips: Standard T 15/16" only: **QVS-HD**.

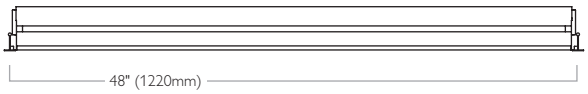
Emergency Lighting: Consult factory for options.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

QCE2GGLOS228UNVPG

2' x 4' Alter Concept Elegance Perf, 2-Lamp 28W T5





Reference data

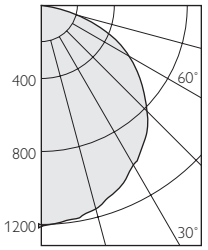
Efficiency	70.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	63.0W
Ballast factor	1.0

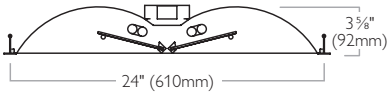
RCR	C.U.
1	74
3	58
5	45
7	36
10	27

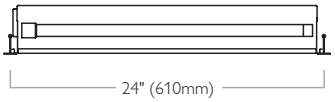
Candlepower Curve



QCE2GGLOS2FTUNVPR

2' x 2' Alter Concept Elegance Perf, 2-Lamp 40W TT5





Reference data

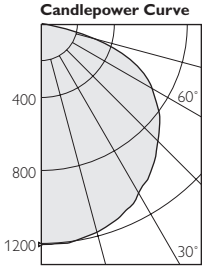
Efficiency	58.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	68.9W
Ballast factor	0.9

RCR	C.U.
1	61
3	43
5	33
7	26
10	18

Candlepower Curve



Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static Concept Elegance Glass double glass lamp shields	2' x 4'	3⅝"	2-T5 2-T5HO	28W 54W	**QCE2GGLOS228** **QCE2GGLOS254**
Static Concept Elegance Glass double glass lamp shields	2' x 2'	3⅝"	2-TT5 2-T5HO	40, 50, 55W 24W	**QCE2GGLOS2FT** **QCE2GGLOS224**

Example

QCE2GGLOS2FT	UNV	IB	
Alter Concept Elegance Perf Direct/indirect recessed	**Voltage** **UNV**= 120-277V	**Ballast** See page 4.68	**Options** See page 4.68 and page 4.72

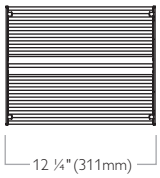
Alter Elegance Wall 9"x 12" & 9"x 24"

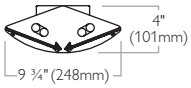
Direct/indirect static ceiling & wall luminaires

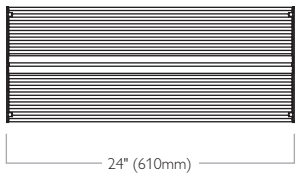
Alter Elegance Wall employs decorative elements in its design such as frosted, ridged glass lenses with natural satin finished trim accents made of satin finished metal. This design brings a unique level of refinement to the world of balanced brightness. Whether installed on walls, columns, partitions or even in alcoves, these luminaires create visual interest in combination with Alter Elegance for example. The utilization of these two products provides opportunities in any space for design consistency.

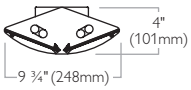
QVW8SGLOS218UNVBA

Alter Elegance Wall, 2-Lamp 18W TT5





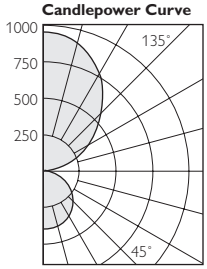




RCR	C.U.
1	52
3	37
5	28
7	22
10	16

Reference data	
Efficiency	60.9%
Electronic ballast	
Input watts (120V)	65.6W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static Elegance Wall	9" x 12"	2-TT5	18W	**QVW8SGLOS218**
	9" x 24"		40W	**QVW8SGLOS2FT**

Example **QVW8SGLOS2FT**

Alter Concept Elegance Perf
Direct/indirect recessed

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

BA

Ballast
See page 4.69

Options
See page 4.69 and page 4.72

Features

- Efficiency 60.9%.
- Uses mounting surface as part of optical system.
- Available in 12" and 24" options.
- Installs vertically or horizontally on wall/ceiling.
- Providing balance between reflected and direct light.
- 0 degree lamp cut-off.
- One piece body for easy installation.
- Lamp shield constructed of decorative frosted rigid glass and natural satin-finished metal

Options & accessories

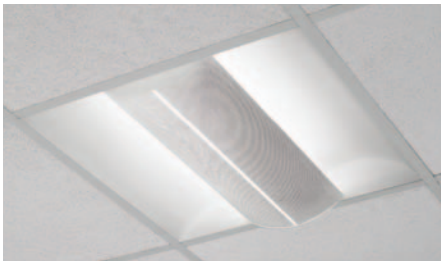
page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type

Electronic		PowerSpec HDF dimming	
40W TT5	**IB**	40W TT5	**PB**
50W TT5	**BP**		
55W TT5	**BF**		
18W TT5	**BA**		

Fusing: Suffix: **A** (Internal fusing).



Alter Concept SR T5 2' x 4' & 2' x 2'

Direct/indirect static T5 semi recessed luminaires

Subtle presence at the ceiling line and classy styling make Concept SR T5 a visually pleasing option for halls, corridors and other spaces. This semi-recessed luminaire features seamless construction along with the clean look of solid-edge microperforated mesh lamp shields. It belongs to the Alter Concept collection of sustainable lighting elements, offering cost-effective lighting in a lightweight, low-profile design ideal for shallow plenums, modern interiors and green buildings.

Features

- Efficiencies up to 77.5%.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- Shallow design, only 3⅝" deep for easy installation in shallow plenum.
- Post-painted luminaire.
- Solid-edge swing-down microperforated lamp shield for easy relamping and maintenance.
- Alter soft white film on inside of mesh conceals lamp image providing balance between reflected and direct light.
- Semi-recessed luminaire and lamp compartment.
- 95% Reflective Alter soft white paint finish.
- One-piece body for easy installation.
- Easy access to ballast through lamp compartment.
- Can be row mounted.
- Fits standard 15/16" T-Grid, Slot T-Grid

Options & accessories page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVIB**.

Ballast type	<10THD
Electronic T5/T5HO Program start	**PG**
Electronic TT5 40W Instant start	**IB**
Electronic TT5 40W Program rapid start	**PR**
Electronic TT5 50W Rapid start	**BP**
Electronic TT5 55W Rapid start	**BF**
Electronic (2) T5 28W Step-Dim Programed rapid start (B.F.=0.95/0.35)	**AY**
Electronic TT5/T5/T5HO Program start DALI Digital addressable dimming	**DA**

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

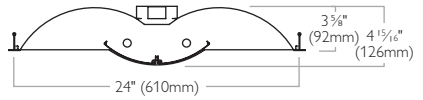
Hold down clips: Standard T 15/16" only: **QVS-HD**.

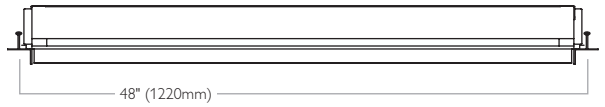
Emergency Lighting: Consult factory for options.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

QCH2GPFOS228UNVPG

2' x 4' Alter Concept SR T5, 2-Lamp 28W T5





Reference data

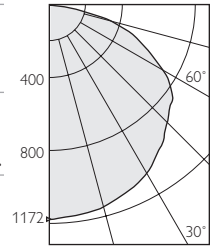
Efficiency	71.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	67.5W
Ballast factor	1.0

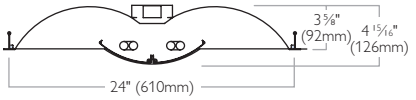
RCR	C.U.
1	75
3	57
5	45
7	36
10	26

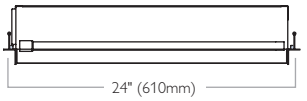
Candlepower Curve



QCH2GPFOS2FTUNVPR

2' x 2' Alter Concept SR T5, 2-Lamp 40W TT5





Reference data

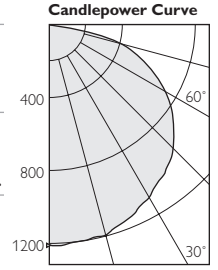
Efficiency	58.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	70.7W
Ballast factor	0.9

RCR	C.U.
1	61
3	47
5	37
7	30
10	22

Candlepower Curve



Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static Microperforated mesh lamp shields	2' x 4'	3⅝"	2-T5	28W	**QCH2GPFOS228**
			2-T5HO	54W	**QCH2GPFOS254**
			3-T5HO	28W	**QCH2GPFOP328***
Static microperforated mesh lamp shields	2' x 2'	3⅝"	2-T5	40, 50, 55W	**QCH2GPFOS2FT**
			2-T5HO	24W	**QCH2GPFOS224**
			3-T5HO	24W	**QCH2GPFOP324***

*3-lamp combination only available with one-piece lamp shield.

Example

QCH2GPFOS2FT	UNV	IB	
Alter Concept Elegance Perf Direct/indirect recessed	**Voltage** **UNV**= 120-277V	**Ballast** See page 4.70	**Options** See page 4.70 and page 4.72

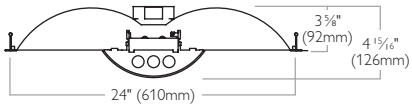
Alter Concept SR T8 2' x 4' & 2' x 2'

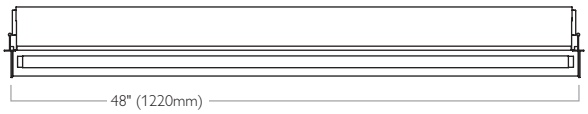
Direct/indirect static T8 semi recessed luminaires

Subtle presence at the ceiling line and classy styling make Concept SR T8 a visually pleasing option for halls, corridors and other spaces. This semi-recessed luminaire features T8 affordability and seamless construction, along with the clean look of microperforated mesh lamp shields. It belongs to the Alter Concept collection of sustainable lighting elements, offering cost-effective lighting in a lightweight, low-profile design ideal for shallow plenums, modern interiors and green buildings.

QCJ2GPFOP332UNVH3

2' x 4' Alter Concept SR T8, 3-Lamp 32W T8





Reference data

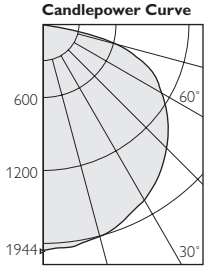
Efficiency	70.5%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	90.7W
Ballast factor	0.88

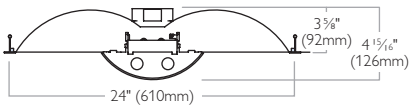
RCR	C.U.
1	73
3	56
5	44
7	35
10	25

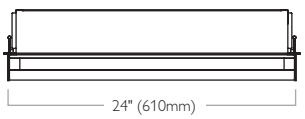
Candlepower Curve



QCJ2GPFOP217UNVHI

2' x 2' Alter Concept SR T8, 2-Lamp 17W T8





Reference data

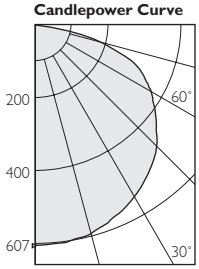
Efficiency	68.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	31.2W
Ballast factor	0.91

RCR	C.U.
1	71
3	55
5	43
7	34
10	25

Candlepower Curve



Ordering information

Type	Size	Recessed ceiling depth	Lamp qty–type	Lamp watts	Catalog no.
Static microperforated mesh lamp shields	2' x 4'	3⅝"	2-T8 3-T8	32W 32W	**QCJ2GPFOP232** **QCJ2GPFOP332**
Static microperforated mesh lamp shields	2' x 2'	3⅝"	2-T8	17W	**QCJ2GPFOP217**

Example

QCJ2GPFOP217	UNV	HI	
Alter Concept Elegance Perf Direct/indirect recessed	**Voltage** **UNV**= 120-277V	**Ballast** See page 4.71	**Options** See page 4.71 and page 4.72

Features

- Efficiencies up to 70.5%.
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers.
- Post-painted luminaire.
- Cost-effective T8 solution with shallow design, only 3⅝" deep for easy installation in shallow plenum.
- One-piece swing-down microperforated lamp shield for easy relamping and maintenance.
- Alter soft white film on inside of mesh conceals lamp image providing balance between reflected and direct light.
- Semi-recessed luminaire and lamp compartment.
- 95% Reflective Alter soft white paint finish.
- One-piece body for easy installation.
- Easy access to ballast through lamp compartment.
- Not suitable for row mounting.
- Fits standard 15/16" T-Grid, Slot T-Grid

Options & accessories

page 4.72 + 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD
Electronic T8 Program start	**P2**
Electronic T8 Instant start	**HI**
Electronic T8 3-lamp instant start	**H3**
Electronic T8 Program start DALI Digital addressable dimming	**DA**

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.

Hold down clips: Standard T 15/16" only: **QVS-HD**.

Emergency Lighting: Consult factory for options.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Alter

Liteguard

Liteguard is a lens for recessed luminaires adding protection against pathogens, dust and bugs and makes cleaning easy. It fits on almost all 2' x 2', 2' x 4' and 1' x 4' fully recessed luminaires including troffers, parabolics and Alter-types. Post-painted matte white aluminum frame fits Alter paint.

See Liteguard brochure for more details.

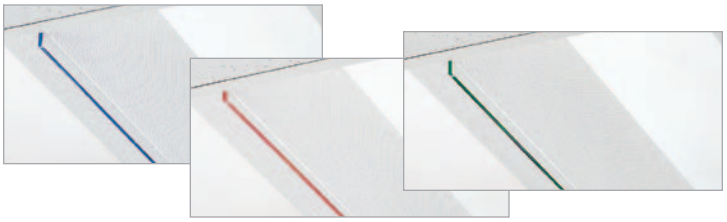
Options & accessories

Clear Acrylic Lens
GI = ⅛" nominal thickness

Clear Polycarbonate Lens
PX = ⅛" nominal thickness

Example

LG	2X2	GI
Family **LG** = Liteguard	**Luminaire Nominal size** **2X2** = 2' x 2' **2X4** = 2' x 4' **1X4** = 1' x 4'	**Lens** **GI** = Clear Acrylic **PX** = Clear Polycarbonate



Optional clear polished acrylic drop-down visual element with projected color face

Substitute acrylic suffix in place of open slot (**OS**) only.
(e.g. replace QVS2GPF**OS** by QVS2GPF**GR** (Red)

Suffix: GC (Clear) **GG** (Green Acrylic)
GB (Blue) **GR** (Red Acrylic)

For other colors, consult your Philips Lightolier representative.

Available for:

Alter Classic Recessed 2' x 2' . . . . . (not avail. with air handling)
Alter Classic Recessed 2' x 4' . . . . . (not avail. with air handling)
Alter Classic Recessed 1' x 4' . . . . . (not avail. for 1 lamp)
Alter Slim Semi-recessed 2' x 2' . . . . . (not avail. for 1 lamp)
Alter Slim Semi-recessed 2' x 4' . . . . . (not avail. for 2-lamp TT5)
Alter Slim Square 2' x 2' . . . . . (not avail. for 1 lamp)
Alter Slim Surface 2' x 2', 2' x 4' . . . . . (not avail. for 2-TT5)

To get a lens separately, order Catalog no.

Size	Example	Description	Catalog no.
1' x 4'	LNQVS14	(Color Suffix)	**LNQVS14 - GB**
2' x 2'	LNQVS22	(Color Suffix)	**LNQVS22 - GR**
2' x 4'	LNQVS24	(Color Suffix)	**LNQVS24 - GG**

Emergency power battery pack

Add appropriate suffix in option box: T8/T5/T5HO models. Suffix: **E**

Factory installed emergency power battery pack with charger and inverter, concealed in luminaire channel. Upon loss of AC power, operates one fluorescent lamp at 15% light output for 90 minutes. 120V and 277V versions available.

Note: 2' x 2' Alter Concept luminaires equipped with Emergency Lighting are 5-1/4" deep. 2' x 4' versions with double-switching are 5-1/4" deep while regular 2' x 4' versions (1 ballast) are 3-5/8" deep.

Hold down clips

Four clips required per luminaire. Suited to standard 15/16" and slot T grid ceilings. Can also be used for row-mounting applications.

Order separately: catalog no. **QVS-HD**.

(Kit bag contains 4 clips)

Radio interference filter

Suffix: **R** (in Option box)

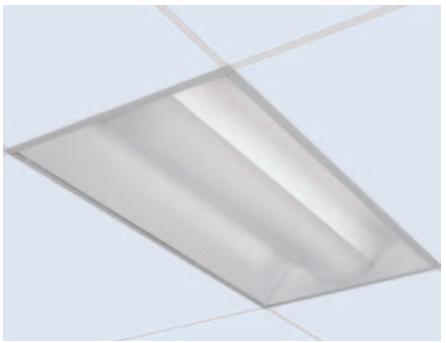
Inductive capacitor circuit designed to minimize interference from line radiation or feedback.

(One per circuit required)

Internal fusing

Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

DVD
CADEAUX



Coffaire HP 2' x 4'

Direct/indirect recessed static luminaires

Our new high-performance Coffaire HP luminaire features a high 95% reflectance white powder painted body, our new Transoptix lens and a 95% reflectance Miro® aluminum reflector. Achieving efficiencies 20% greater than comparable luminaires currently available in the market.

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp basket with unique TransOptix lens.
- Body 95% reflective flat white powder coated.
- 95% Internal Miro® reflector.
- 73.4% efficient two lamp 32W T8 2' x 4' luminaire.
- 66.9% efficient three lamp 32W T8 2' x 4' luminaire.
- 80.2% efficient two lamp 28W T5 2' x 4' luminaire.
- 80.7% efficient two lamp 54W T5HO 2' x 4' luminaire.
- Only 5" deep.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling.
- Fits flush to face of slot grid (T) ceiling.
- Injection molded light stop at basket ends.
- Perforated lamp shield hinges from either side.
- Ballast accessible thru lamp compartment from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Construction to meet NYC Code or Chicago Plenum requirement available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–
LOL Dimming T8	**PS**	–

* Instant start.

** Program start.

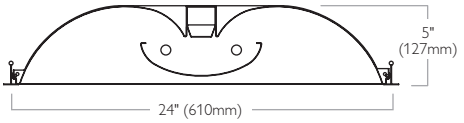
Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

CFS2GHP228120WA



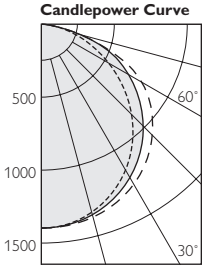
Reference data

Efficiency	80.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	56.6W
Ballast factor	0.93

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5 3-T5	28W	**CFS2GHP228** **CFS2GHP328**

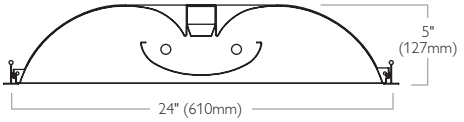
Example **CFS2GHP228**
Coffaire HP
Direct/indirect recessed w/perforated mesh shield

120
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

WA
Ballast
See page 4.74

A
Options
See page 4.74 and page 4.130

CFS2GHP254UNVPG



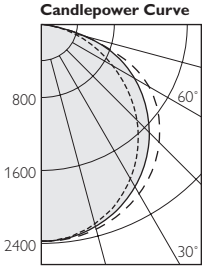
Reference data

Efficiency	80.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	121.1W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	1-T5HO 2-T5HO	54W	**CFS2GHP154** **CFS2GHP254**

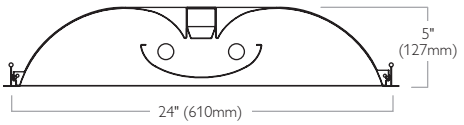
Example **CFS2GHP254**
Coffaire HP
Direct/indirect recessed w/perforated mesh shield

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG
Ballast
See page 4.74

A
Options
See page 4.74 and page 4.130

CFS2GHP232UNVHI



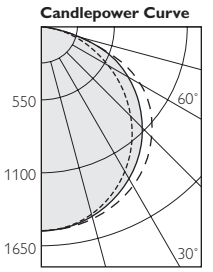
Reference data

Efficiency	73.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	58.7W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8 3-T8	32W	**CFS2GHP232** **CFS2GHP332**

Example **CFS2GHP232**
Coffaire HP
Direct/indirect recessed w/perforated mesh shield

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI
Ballast
See page 4.74

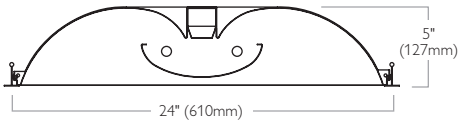
A
Options
See page 4.74 and page 4.130

Coffaire HP 2' x 2'

Direct/indirect recessed static luminaires

Our new high-performance Coffaire HP luminaire features a high 95% reflectance white powder painted body, our new Transoptix lens and a 95% reflectance Miro® aluminum reflector. Achieving efficiencies 20% greater than comparable luminaires currently available in the market. The 2' x 2' model, with Philips ballast and 25 watt PL-L lamps, is over 85% efficient. This unique combination of the Coffaire HP, lamps and ballast provides 46 maintained foot candles at 0.71 watts per square foot.

CFS2GHP224UNVPG



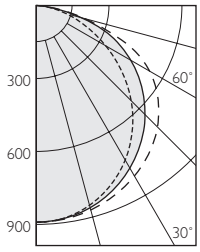
Reference data

Efficiency	76.6%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	52.8W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**CFS2GHP214**
		2-T5HO	24W	**CFS2GHP224**
		3-T5HO	24W	**CFS2GHP324**

Example **CFS2GHP224**

Coffaire HP
Direct/indirect recessed w/perforated mesh shield

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

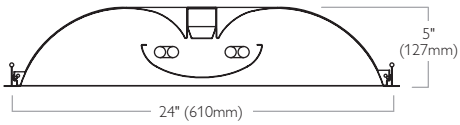
PG

Ballast
See page 4.75

A

Options
See page 4.75 and page 4.130

CFS2GHP2FTUNVIB



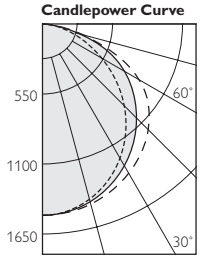
Reference data - 25W

Efficiency	85.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	57.3W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-Twin tube T5	40W	**CFS2GHP2FT**
			25W	**CFS2GHP2FT**

Example **CFS2GHP2FT**

Coffaire HP
Direct/indirect recessed w/perforated mesh shield

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

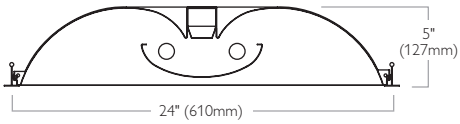
IB

Ballast
See page 4.75

A

Options
See page 4.75 and page 4.130

CFS2GHP217UNVHI



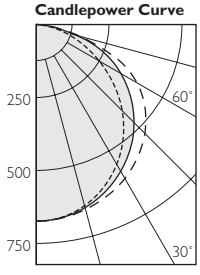
Reference data

Efficiency	72.5%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	30.1W
Ballast factor	0.91

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T8	17W	**CFS2GHP217**
		3-T8		**CFS2GHP317**

Example **CFS2GHP217**

Coffaire HP
Direct/indirect recessed w/perforated mesh shield

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

HI

Ballast
See page 4.75

A

Options
See page 4.75 and page 4.130

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp basket with unique TransOptix lens.
- Body 95% reflective flat white powder coated.
- 95% Internal Miro® reflector.
- 76.6% efficient two lamp 24W T5HO 2' x 2' luminaire.
- 85.4% efficient two lamp 25W TT5 2' x 2' luminaire.
- 71.5% efficient two lamp 40W TT5 2' x 2' luminaire.
- 72.5% efficient two lamp 17W T8 2' x 2' luminaire.
- Only 5" deep.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling.
- Fits flush to face of slot grid (T) ceiling.
- Injection molded light stop at basket ends.
- Perforated lamp shield hinges from either side.
- Ballast accessible thru lamp compartment from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Construction to meet NYC Code or Chicago Plenum requirement available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic TT5 40W	**IB***, **PR****	**SB***
Electronic T5	**PG**	–

* Instant start.

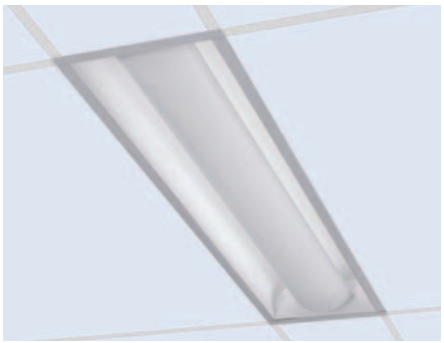
** Program start.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Coffaire HP 1' x 4'

Direct/indirect recessed static luminaires

Our new high-performance Coffaire HP luminaire features a high 95% reflectance white powder painted body, our new Transoptix lens and a 95% reflectance Miro® aluminum reflector. Achieving efficiencies 20% greater than comparable luminaires currently available in the market.

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp basket with unique TransOptix lens.
- Body 95% reflective flat white powder coated.
- 95% Internal Miro® reflector.
- 69.1% efficient two lamp 32W T8 1' x 4' luminaire.
- 77.4% efficient two lamp 28W T5 1' x 4' luminaire.
- Only 5" deep.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling.
- Fits flush to face of slot grid (T) ceiling.
- Injection molded light stop at basket ends.
- Perforated lamp shield hinges from either side.
- Ballast accessible thru lamp compartment from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Construction to meet NYC Code or Chicago Plenum requirement available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**P2****	–
Electronic T8 (1 & 2 Lamp)	**HI***	**SO***
Electronic T5 28W (1-2 Lamp)	**PG****	–
Electronic T5 54W (1-2 Lamp)	**PG****	–
Electronic T5 28W instant start	**WA***†	–
LOL Dimming T8†	**PS**	–

* Instant start. Standard (**WA** Ballast only available in either 120 or 277.)

** Program rapid start (**UNV** only)

† 57.5 Input watts 0.93 B.F.

Other dimming options. Consult factory.

Note: For **T8 UNV**, you must use **HI** or **P2** ballast code.

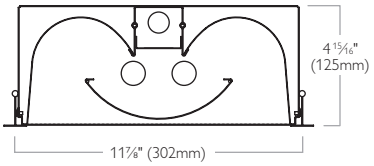
Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

CFS1GHP232UNVHI



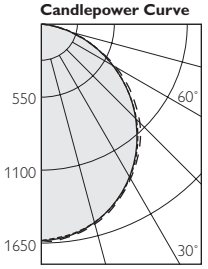
Reference data

Efficiency	69.1%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	57.4W
Ballast factor	.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	1-T8	32W	**CFS1GHP132**
		2-T8		**CFS1GHP232**

Example **CFS1GHP232**

Coffaire HP
Direct/indirect recessed w/perforated mesh shield

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

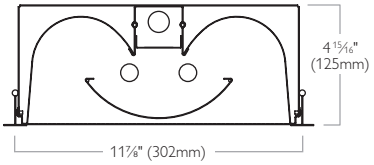
HI

Ballast
See page 4.76

A

Options
See page 4.76 and page 4.130

CFS1GHP228120WA



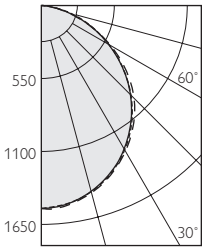
Reference data

Efficiency	77.4%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	55.4W
Ballast factor	.93

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	1-T5	28W	**CFS1GHP128**
		2-T5	28W	**CFS1GHP228**
		1-T5HO	54W	**CFS1GHP154**
		2-T5HO	54W	**CFS1GHP254**

Example **CFS1GHP228**

Coffaire HP
Direct/indirect recessed w/perforated mesh shield

120

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

WA

Ballast
See page 4.76

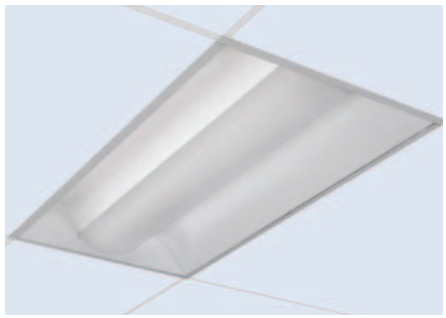
A

Options
See page 4.76 and page 4.130

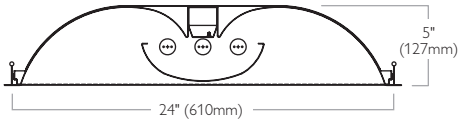
Coffaire II 2' x 4'

Direct/indirect recessed air return or static luminaires

Coffaire II combines a perforated mesh lamp shields and an indirect cove to create an aesthetically pleasing direct/indirect luminaire that has provision for air return or static≈operation.



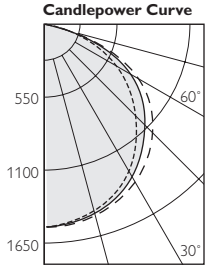
CFH2GPF332UNVH3



Reference data

Efficiency	60.2%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	89W
Ballast factor	0.90

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Static	2' x 4'	3-T8	**CFS2GPF332**
Air return	2' x 4'	3-T8	**CFH2GPF332**

Example **CFH2GPF332**

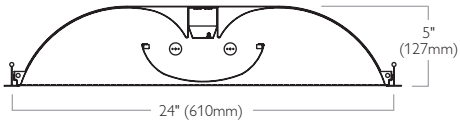
Coffaire
Direct/indirect recessed w/perforated mesh shield

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

H3
Ballast
See page 4.77

A
Options
See page 4.77 and page 4.130

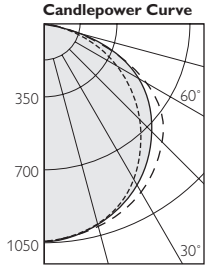
CFH2GPF232UNVHI



Reference data

Efficiency	63.8%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	58W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Static	2' x 4'	2-T8	**CFS2GPF232**
Air return	2' x 4'	2-T8	**CFH2GPF232**

Example **CFH2GPF232**

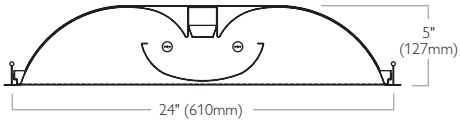
Coffaire
Direct/indirect recessed w/perforated mesh shield

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI
Ballast
See page 4.77

A
Options
See page 4.77 and page 4.130

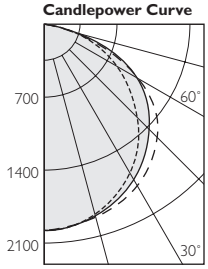
CFS2GPF254UNVPG



Reference data

Efficiency	70.8%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	123.2W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Static	2' x 4'	1-T5HO	**CFS2GPF154**
		2-T5HO	**CFS2GPF254**
		2-T5	**CFS2GPF228**

Example **CFS2GPF254**

Coffaire
Direct/indirect recessed w/perforated mesh shield

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG
Ballast
See page 4.77

A
Options
See page 4.77 and page 4.130

Features

- Direct/indirect lamp shield appearance with soft contoured interior one piece body.
- Perforated Mesh Lamp Shields with white acrylic overlay.
- 60.2% efficient three lamp T8 2' x 4' luminaire.
- 63.8% efficient two lamp T8 2' x 4' luminaire.
- 70.8% efficient two lamp T5 2' x 4' luminaire.
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid T ceiling.
- End securing tension bars.
- Air return standard (meets UL requirements).
- Light traps between basket and fixture end (static models).
- Lamp shield hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Built in earthquake clips standard.
- Housing is available in 20 gauge steel that meets NYC requirements.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–

* Instant start.

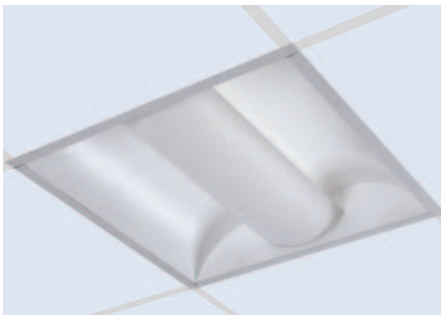
** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Coffaire II 2' x 2'

Direct/indirect recessed air return or static luminaires

Coffaire II combines a perforated mesh lamp shields and an indirect cove to create an aesthetically pleasing direct/indirect luminaire that has provision for air return or static operation.

Features

- Direct/indirect lamp shield appearance with soft contoured interior one piece body.
- Perforated mesh lamp shields with white acrylic overlay.
- 68.10% efficient two lamp TT5 2' x 2' luminaire.
- 56.7% efficient two lamp T5HO 2' x 2' luminaire.
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid T ceiling.
- End securing tension bars.
- Air return standard (meets UL requirements).
- Light traps between basket and fixture end (static models).
- Lamp shield hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Built in earthquake clips standard.
- Housing is available in 20 gauge steel that meets NYC requirements.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic TT5 40W	**IB***, **PR****	**SB***
Electronic T5	**PG**	–

* Instant start.
** Program start.

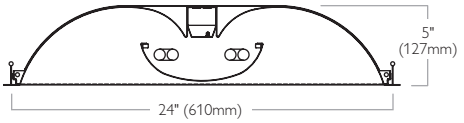
Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

CFH2GPF2FT120SB



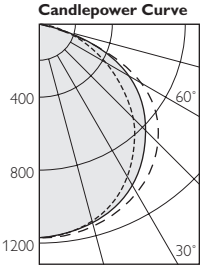
Reference data

Efficiency	68.1%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	65.5W
Ballast factor	0.90

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Static	2' x 2'	2-TT5	**CFS2GPF2FT**
Air return	2' x 2'	2-TT5	**CFH2GPF2FT**

Example **CFH2GPF2FT**

Coffaire
Direct/indirect recessed w/perforated mesh shield

120

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. TT5 Ballast only)

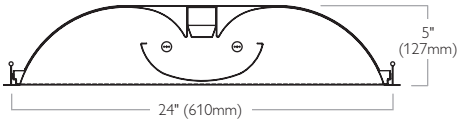
SB

Ballast
See page 4.78

A

Options
See page 4.78 and page 4.130

CFS2GPF224UNVPG



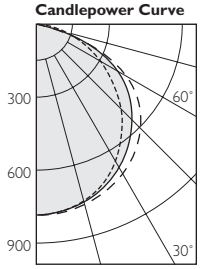
Reference data

Efficiency	56.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	56.1W
Ballast factor	

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Static	2' x 2'	2-T8	**CFS2GPF217**
		3-T8	**CFS2GPF317**
		2-T5	**CFS2GPF214**
		2-T5HO	**CFS2GPF224**
Air return	2' x 2'	2-T8	**CFH2GPF217**
		3-T8	**CFH2GPF317**

Example **CFS2GPF224**

Coffaire
Direct/indirect recessed w/perforated mesh shield

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG

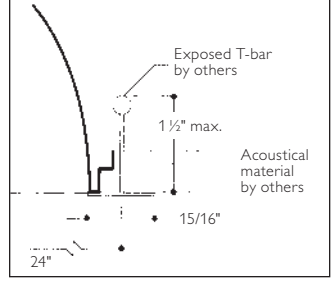
Ballast
See page 4.78

A

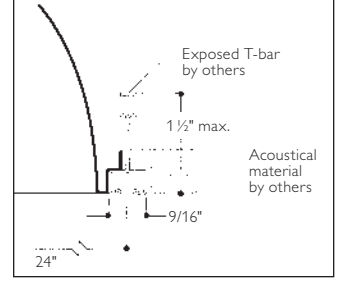
Options
See page 4.78 and page 4.130

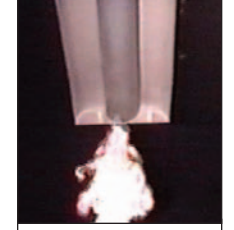
Mounting methods

Exposed T-grid ceiling



Exposed slot T-grid ceiling



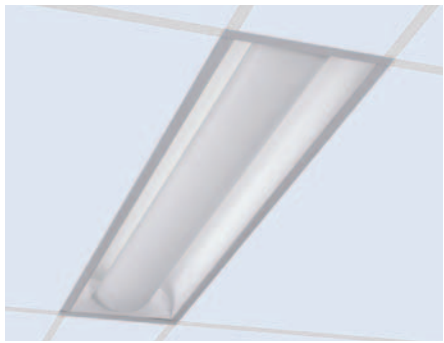


Meets fire test requirement of UL 1598

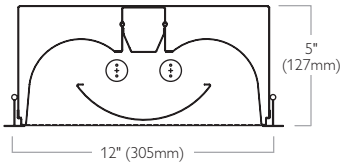
Coffaire II 1' x 4'

Direct/indirect recessed air return or static luminaires

Coffaire II combines a perforated mesh lamp shields and an indirect cove to create an aesthetically pleasing direct/indirect luminaire that has provision for air return or static operation.



CFH1GPF232UNVHI



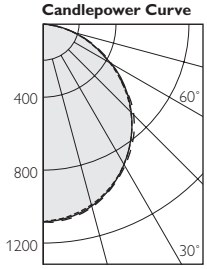
Reference data

Efficiency	52.1%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	67.7W
Ballast factor	0.87

Candlepower Curve



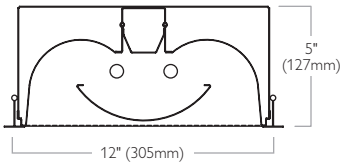
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Air return	1' x 4'	1-T8 2-T8	32W	**CFH1GPF132** **CFH1GPF232**
Static	1' x 4'	1-T8 2-T8	32W	**CFS1GPF132** **CFS1GPF232**

Example

CFH1GPF232	UNV	HI	A
Coffaire Direct/indirect recessed w/perforated mesh shield	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.79	**Options** See page 4.79 and page 4.130

CFH1GPF228120WA



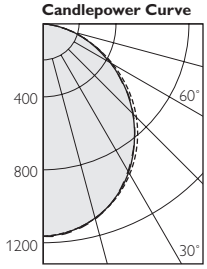
Reference data

Efficiency	55.7%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	57.0W
Ballast factor	0.93

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Air return	1' x 4'	1-T5	28W	**CFH1GPF128**
		2-T5	28W	**CFH1GPF228**
		1-T5HO	54W	**CFH1GPF154**
		2-T5HO	54W	**CFH1GPF254**
Static	1' x 4'	1-T5	28W	**CFS1GPF128**
		2-T5	28W	**CFS1GPF228**
		1-T5HO	54W	**CFS1GPF154**
		2-T5HO	54W	**CFS1GPF254**

Example

CFH1GPF228	120	WA	A
Coffaire Direct/indirect recessed w/perforated mesh shield	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.79	**Options** See page 4.79 and page 4.130

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shields with white acrylic overlay.
- 52.1% efficient two lamp T8 1' x 4' luminaire.
- 55.7% efficient two lamp T5 1' x 4' luminaire.
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid T ceiling.
- Air return standard (meets UL requirements).
- Lamp shield hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- 2 earthquake clips standard.
- Housing is available in 20 gauge steel that meets NYC requirements.
- Construction to meet Chicago Plenum requirements is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**P2****	–
Electronic T8 (1 & 2 Lamp)	**HI***	**SO***
Electronic T5 28W (1-2 Lamp)	**PG****	–
Electronic T5 54W (1-2 Lamp)	**PG****	–
Electronic T5 28W instant start	**WA***†	–
LOL Dimming T8	**PS**	–

* Instant start. Standard (**WA** Ballast only available in either 120 or 277.)

** Program rapid start (**UNV** only)

† 57.5 Input watts 0.93 B.F.

Other dimming options. Consult factory.

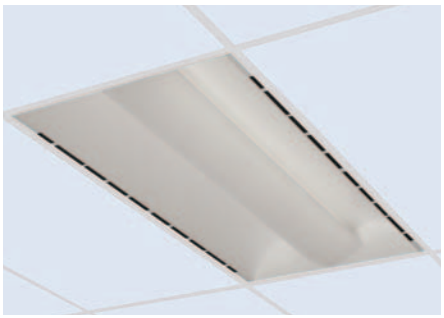
Note: For **T8 UNV**, you must use **HI** or **P2** ballast code.

Drywall kit: Conversion kit for 1' x 4' unit: **FK91X4**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Coffaire II Air 2' x 4'

Direct/indirect recessed air supply and return luminaires

Coffaire II Air combines our traditional soft light perforated basket appearance with air supply/return functions for installations that demand both features.

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shields with white acrylic overlay.
- Contoured body and ends.
- air supply and return.
- Air return slots located above lamp shield.
- Air return models meet UL 1598, Paragraph 9.2.2.5 requirements.
- 65.0% efficient two lamp 28W T5 2' x 4' luminaire.
- 70.8% efficient two lamp 54W T5 2' x 4' luminaire.
- 63.8% efficient two lamp T8 2' x 4' luminaire.
- 60.2% efficient three lamp T8 2' x 4' luminaire.
- Only 5" deep.
- Tension screws secure ends to body.
- Perforated lamp shield hinges from either side.
- Can be continuous row mounted.
- Built-in earthquake clips.
- Ballast accessible from room side.
- Optional supply air slot cover.
- Meets NYC Code.
- Construction to meet Chicago Plenum requirements is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–

* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical wiring options: Consult factory.

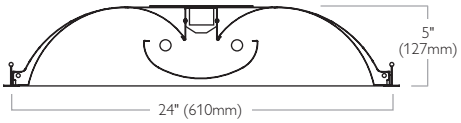
Dust Shield: See folio number: **OA50-20**.

Optional supply air slot cover: Order Cat No: **CACS-4 CSP**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.

CFA2GPF254UNVPG



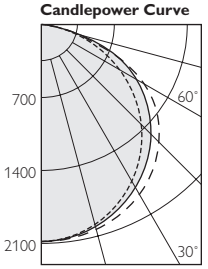
Reference data

Efficiency	70.8%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	123W
Ballast factor	1.0

Candlepower Curve



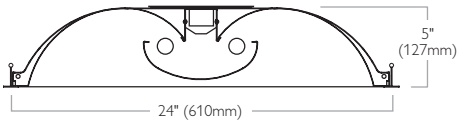
Ordering information

Type	Size	Lamp qty–type	Catalog no.
Air supply and return	2' x 4'	2-T5	**CFA2GPF254** **CFA2GPF228**

Example

CFA2GPF254	**UNV**	**PG**	**A**
Coffaire II Air Direct/indirect recessed air supply and return w/perforated mesh shield	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.80	**Options** See page 4.80 and page 4.130

CFA2GPF232UNVHI



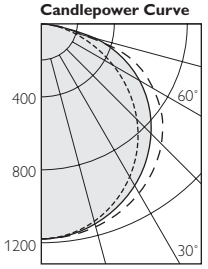
Reference data

Efficiency	63.8%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	58W
Ballast factor	.87

Candlepower Curve



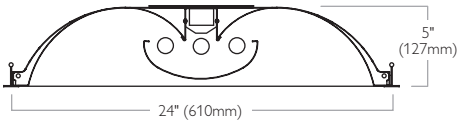
Ordering information

Type	Size	Lamp qty–type	Catalog no.
Air supply and return	2' x 4'	2-T8	**CFA2GPF232**

Example

CFA2GPF232	**UNV**	**HI**	**A**
Coffaire II Air Direct/indirect recessed air supply and return w/perforated mesh shield	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.80	**Options** See page 4.80 and page 4.130

CFA2GPF332UNVH3



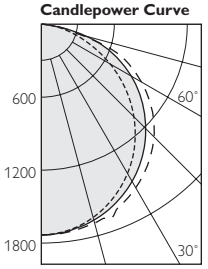
Reference data

Efficiency	60.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	85W
Ballast factor	.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Air supply and return	2' x 4'	3-T8	**CFA2GPF332**

Example

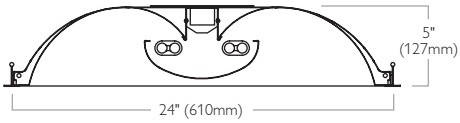
CFA2GPF332	**UNV**	**H3**	**A**
Coffaire II Air Direct/indirect recessed air supply and return w/perforated mesh shield	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.80	**Options** See page 4.80 and page 4.130

Coffaire II Air 2' x 2'

Direct/indirect recessed air supply and return luminaires

Coffaire II Air combines our traditional soft light perforated basket appearance with air supply/return functions for installations that demand both features.

CFA2GPF2FT120SB



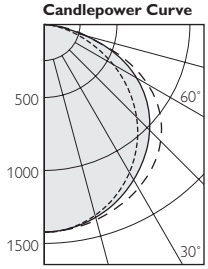
Reference data

Efficiency	68.1%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	65W
Ballast factor	.86

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Air supply and return	2' x 2'	2-TT5	**CFA2GPF2FT**
		3-TT5	**CFA2GPF3FT**

Example **CFA2GPF2FT**

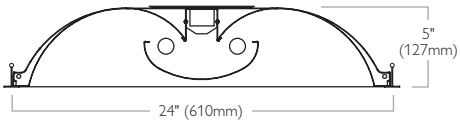
Coffaire II Air
Direct/indirect recessed air supply and return w/perforated mesh shield

120
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

SB
Ballast
See page 4.81

A
Options
See page 4.81 and page 4.130

CFA2GPF217UNVHI



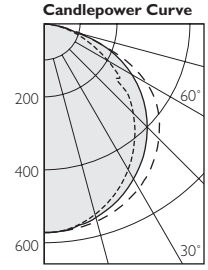
Reference data

Efficiency	61.7%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	30W
Ballast factor	.93

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Air supply and return	2' x 2'	2-T8	**CFA2GPF217**
		2-T5	**CFA2GPF214**
		2-T5HO	**CFA2GPF224**

Example **CFA2GPF217**

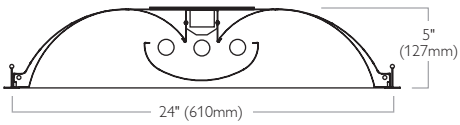
Coffaire II Air
Direct/indirect recessed air supply and return w/perforated mesh shield

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI
Ballast
See page 4.81

A
Options
See page 4.81 and page 4.130

CFA2GPF317UNVH3



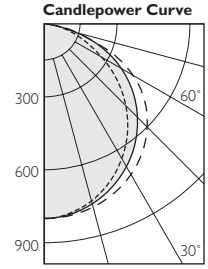
Reference data

Efficiency	55.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	46W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Air supply and return	2' x 4'	3-T8	**CFA2GPF317**

Example **CFA2GPF317**

Coffaire II Air
Direct/indirect recessed air supply and return w/perforated mesh shield

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

H3
Ballast
See page 4.81

A
Options
See page 4.81 and page 4.130

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shields with white acrylic overlay.
- Contoured body and ends.
- air supply and return.
- Air return slots located above lamp shield.
- Air return models meet UL 1598, Paragraph 9.2.2.5 requirements.
- 68.1% efficient two lamp TT5 2' x 2' luminaire.
- 55.2% efficient two lamp TT5 2' x 2' luminaire.
- 61.7% efficient two lamp T8 2' x 2' luminaire.
- 55.9% efficient three lamp T8 2' x 2' luminaire.
- Only 5" deep.
- Tension screws secure ends to body.
- Perforated lamp shield hinges from either side.
- Can be continuous row mounted.
- Built-in earthquake clips.
- Ballast accessible from room side.
- Optional supply air slot cover.
- Meets NYC Code.
- Construction to meet Chicago Plenum requirements is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic TT5 40W	**IB***, **PR****	**SB***
Electronic T5	**PG**	–

* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

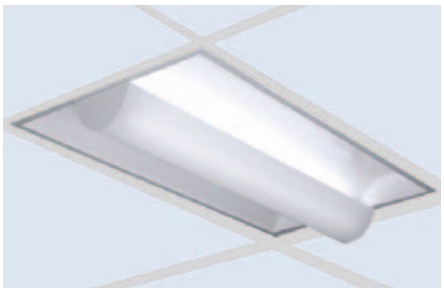
Electrical wiring options: Consult factory.

Dust Shield: See folio number: **OA50-20**.

Optional supply air slot cover: Order Cat No: **CACS-2 CSP**.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.



Coffaire Drop Basket 2' x 4'

Direct/indirect recessed static luminaires

Coffaire Drop Basket offers T8 and T5 lamp options in a body that is only recessed 2-1/4". The 2-7/16" deep perforated basket creates uniform light distribution that brightens walls and ceilings. Evenly illuminating both horizontal and vertical surfaces, creating a soft, balanced brightness that enhances visual acuity while creating a visual statement on the ceiling line.

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shields with white acrylic overlay.
- 60.8% efficient two lamp T8 2' x 4' luminaire.
- 66.0% efficient three lamp T8 2' x 4' luminaire.
- 69.9% efficient two lamp 28W T5 2' x 4' luminaire.
- 66.4% efficient two lamp 54W T5HO 2' x 4' luminaire.
- Only 2-1/4" plenum depth.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Lamp shield hinges from either side.
- Wiring access plate standard.
- Optional DALI ballast iGEN Technology accepts digital dimming controllers, scene controllers and automatic control devices.
- Construction to meet Chicago Plenum available.
- Meets NYC Code requirements.
- Not for continuous row mounting.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–

* Instant start.

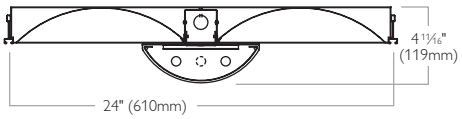
** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical wiring options: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

CDS2GPF228UNVPG



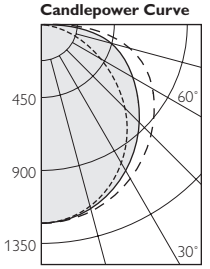
Reference data

Efficiency	69.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	122W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5	28W	**CDS2GPF228**
		3-T5	28W	**CDS2GPF328**
		2-T8	32W	**CDS2GPF232**
		3-T8	32W	**CDS2GPF332**
		1-T5HO	54W	**CDS2GPF154**
		2-T5HO	54W	**CDS2GPF254**

Example **CDS2GPF228**

Coffaire Drop Basket
Direct/indirect recessed

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG

Ballast
See page 4.82

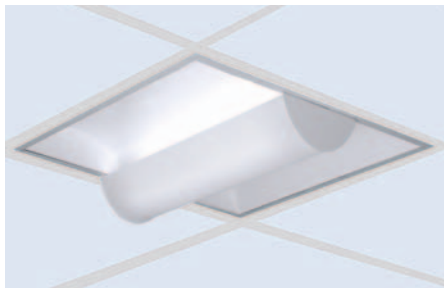
A

Options
See page 4.82
and page 4.130

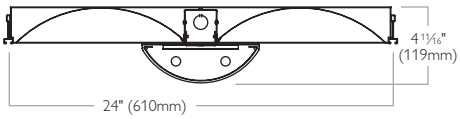
Coffaire Drop Basket 2' x 2'

Direct/indirect recessed static luminaires

Coffaire Drop Basket offers T8 and T5 lamp options in a body that is only recessed 2-1/4". The 2-7/16" deep perforated basket creates uniform light distribution that brightens walls and ceilings. Evenly illuminating both horizontal and vertical surfaces, creating a soft, balanced brightness that enhances visual acuity while creating a visual statement on the ceiling line.



CDS2GPF214UNVPG



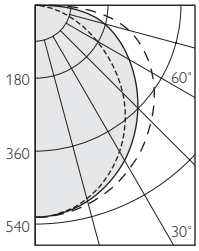
Reference data

Efficiency	62.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	33W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
		2-T5	14W	**CDS2GPF214**
		2-T5HO	24W	**CDS2GPF224**
Static	2' x 2'	2-TT5	40W	**CDS2GPF2FT**
		2-T8	17W	**CDS2GPF217**
		3-T8	17W	**CDS2GPF317**

Example **CDS2GPF214**

Coffaire Drop Basket
Direct/indirect recessed

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG

Ballast
See page 4.83

A

Options
See page 4.83
and page 4.130

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shields with white acrylic overlay.
- 59.4% efficient two lamp T8 2' x 2' luminaire.
- 55.5% efficient three lamp T8 2' x 2' luminaire.
- 62.9% efficient two lamp T5 2' x 2' luminaire.
- 62.6% efficient two lamp T5HO 2' x 2' luminaire.
- 55.0% efficient two lamp TT5 2' x 2' luminaire.
- Only 2-1/4" plenum depth.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Lamp shield hinges from either side.
- Wiring access plate standard.
- Optional DALI ballast iGEN Technology accepts digital dimming controllers, scene controllers and automatic control devices.
- Construction to meet Chicago Plenum available.
- Meets NYC Code requirements.
- Not for continuous row mounting.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic TT5 40W	**IB***, **PR****	**SB***
Electronic T5	**PG**	–

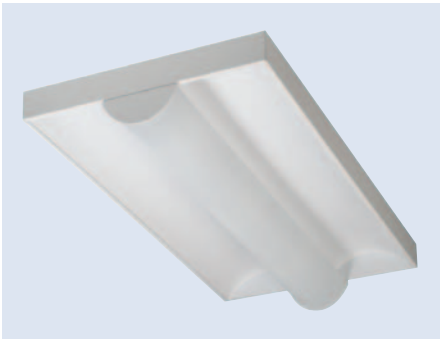
* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical wiring options: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Coffaire Drop Basket 2' x 4'

Direct/indirect surface mounted static luminaires

Coffaire Drop Basket ~ Surface Mounted offers T8 and T5 lamp options in a body that is only 2-17/32" deep. The 2-7/16" deep perforated basket creates uniform light distribution that brightens walls and ceilings. Evenly illuminating both horizontal and vertical surfaces, creating a soft, balanced brightness that enhances visual acuity while creating a visual statement on the ceiling line.

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shields with white acrylic overlay.
- 68.0% efficient two lamp 32W T8 2' x 4' luminaire.
- 69.9% efficient two lamp 28W T5 2' x 4' luminaire.
- Lamp shield hinges from either side.
- Optional DALI ballast iGEN Technology accepts digital dimming controllers, scene controllers and automatic control devices.
- Meets NYC Code requirements.
- Not for continuous row mounting.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic T5	**PG**	–

* Instant start.

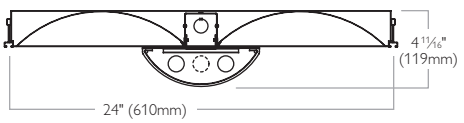
** Program start.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

CDB2SPF232UNVHI



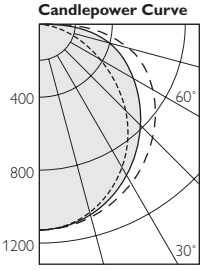
Reference data

Efficiency	68.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	50.4W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T8	32W	**CDB2SPF232**
		3-T8		**CDB2SPF332**

Example **CDB2SPF232** | **UNV** | **HI** | **A**

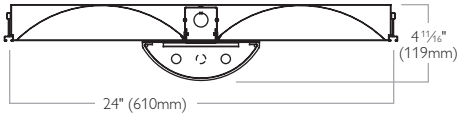
Coffaire Drop Basket
Direct/indirect Surface w/perforated mesh shield

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.84

Options
See page 4.84 and page 4.130

CDB2SPF228UNVPG



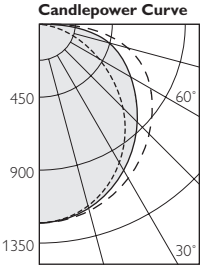
Reference data

Efficiency	69.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	122.1W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5	28W	**CDB2SPF228**
		3-T5	28W	**CDB2SPF328**
		1-T5HO	54W	**CDB2SPF154**
		2-T5HO	54W	**CDB2SPF254**

Example **CDB2SPF228** | **UNV** | **PG** | **A**

Coffaire Drop Basket
Direct/indirect Surface w/perforated mesh shield

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

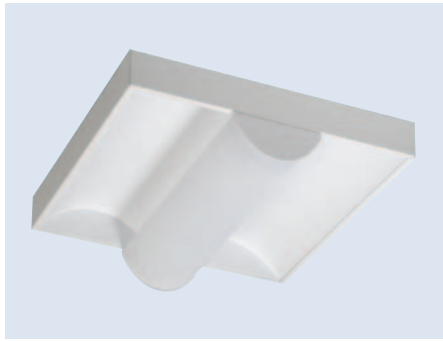
Ballast
See page 4.84

Options
See page 4.84 and page 4.130

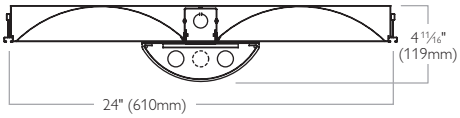
Coffaire Drop Basket 2' x 2'

Direct/indirect surface mounted static luminaires

Coffaire Drop Basket ~ Surface Mounted offers T8 and T5 lamp options in a body that is only 2-17/32" deep. The 2-7/16" deep perforated basket creates uniform light distribution that brightens walls and ceilings. Evenly illuminating both horizontal and vertical surfaces, creating a soft, balanced brightness that enhances visual acuity while creating a visual statement on the ceiling line.



CDB2SPF217UNVHI



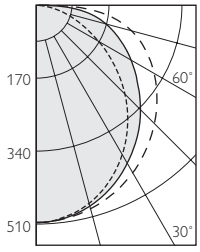
Reference data

Efficiency	59.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	30.8W
Ballast factor	0.88

Candlepower Curve



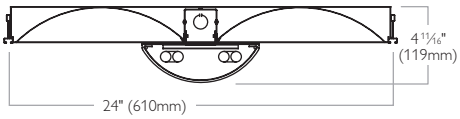
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T8 3-T8	17W	**CDB2SPF217** **CDB2SPF317**

Example

CDB2SPF217	UNV	HI	A
Coffaire Drop Basket Direct/indirect Surface w/perforated mesh shield	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.85	**Options** See page 4.85 and page 4.130

CDB2SPF214UNVPG



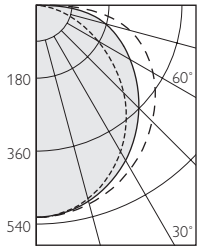
Reference data

Efficiency	62.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	33.2W
Ballast factor	1.06

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5 2-T5HO 2-Twin tube T5	14W 24W 40W	**CDB2SPF214** **CDB2SPF224** **CDB2SPF2FT**

Example

CDB2SPF214	UNV	PG	A
Coffaire Drop Basket Direct/indirect Surface w/perforated mesh shield	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.85	**Options** See page 4.85 and page 4.130

Features

- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shields with white acrylic overlay.
- 59.4% efficient two lamp T8 2' x 2' luminaire.
- 62.9% efficient two lamp T5 2' x 2' luminaire.
- Lamp shield hinges from either side.
- Optional DALI ballast iGEN Technology accepts digital dimming controllers, scene controllers and automatic control devices.
- Meets NYC Code requirements.
- Not for continuous row mounting.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic TT5 40W	**IB***, **PR****	**SB***
Electronic T5	**PG**	–

* Instant start.

** Program start.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Coffaire SQ 2' x 2'

Direct/indirect recessed static luminaires

Coffaire SQ offers a white translucent acrylic lens that blends into the reflector paint finish to provide a unique free floating appearance to the attached 10" square perforated mesh steel center panel in an aesthetically pleasing direct/indirect luminaire.

Features

- 75.6% efficient two lamp 24W T5HO 2' x 2' luminaire.
- 75.2% efficient two lamp 14W T5 2' x 2' luminaire.
- 72.7% efficient two lamp 17WT8 2' x 2' luminaire.
- Direct/indirect fixture with a softly contoured interior.
- Lens hinges from either side of fixture.
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Built-in earthquake clips.
- Can be continuous row mounted.
- Wiring access plate standard.
- Meets NYC Code requirements.
- Construction to meet Chicago Plenum requirement is available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp T8	**H3***, **P3****	**O3***
Electronic TT5 40W	**IB***, **PR****	**SB***
Electronic T5	**PG**	–

* Instant start.

** Program start.

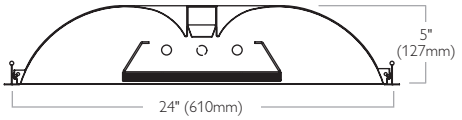
Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Packaging: Individual carton is standard.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

CFS2GSQ224UNVPG



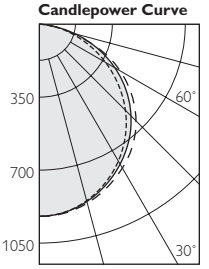
Reference data

Efficiency	75.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	49.8W
Ballast factor	1

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**CFS2GSQ214**
		3-T5	14W	**CFS2GSQ314**
		2-T5HO	24W	**CFS2GSQ224**
		3-T5HO	24W	**CFS2GSQ324**

Example **CFS2GSQ224**

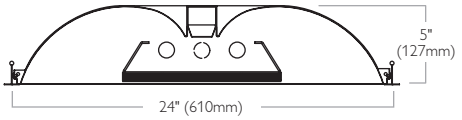
Coffaire SQ
Direct/indirect recessed w/acrylic lens and perforated steel center panel

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PG
Ballast
See page 4.86

A
Options
See page 4.86 and page 4.130

CFS2GSQ217UNVHI



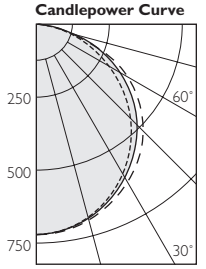
Reference data

Efficiency	72.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	30.3W
Ballast factor	0.91

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T8	17W	**CFS2GSQ217**
		3-T8		**CFS2GSQ317**

Example **CFS2GSQ217**

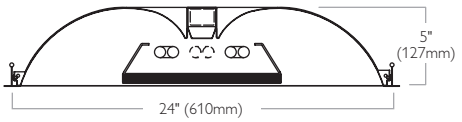
Coffaire SQ
Direct/indirect recessed W/acrylic lens and perforated steel center panel

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

HI
Ballast
See page 4.86

A
Options
See page 4.86 and page 4.130

CFS2GSQ2FT120SB



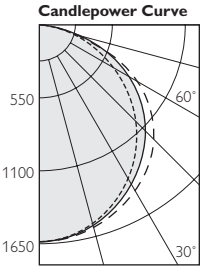
Reference data

Efficiency	71.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	67.0W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-Twin tube T5	40W	**CFS2GSQ2FT**
		3-Twin tube T5		**CFS2GSQ3FT**

Example **CFS2GSQ2FT**

Coffaire SQ
Direct/indirect recessed w/acrylic lens and perforated steel center panel

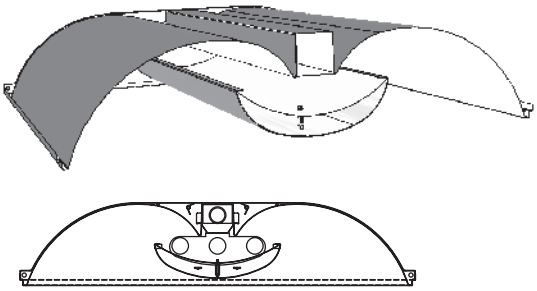
UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

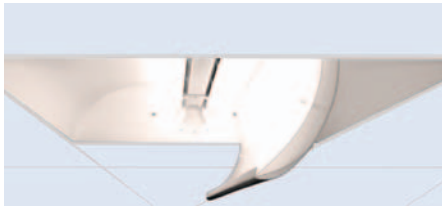
PR
Ballast
See page 4.86

A
Options
See page 4.86 and page 4.130

Coffaire Dust/Insect Shield D

For Coffaire series





Features

- Masks unsightly insects and debris from appearing on the perforated basket.
- For use with Coffaire Series.
- .040 Translucent white acrylic secondary liner

Ordering information

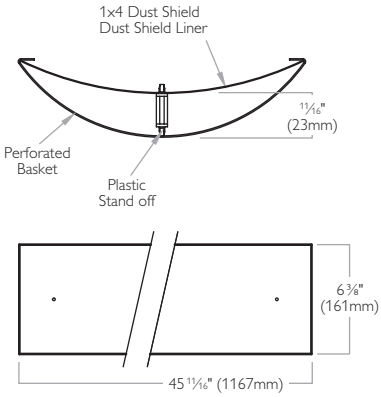
To specifiy dust/insect shield change **PF** in the catalog no. to **PD**

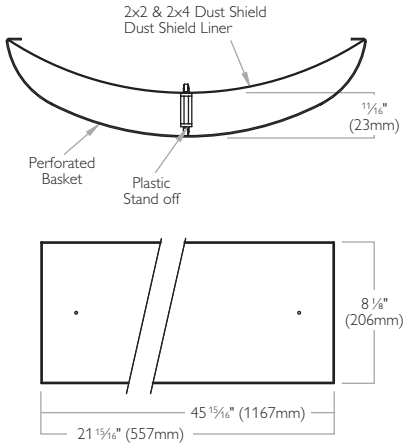
Example

Standard	With dust/insect sheild
CFS2G PF 2FTUNVIB	**CFS2G PD 2FTUNVIB**
CFS2G PF 232UNVHI	**CFS2G PD 232UNVHI**

Compatible with Coffaire Series
Prefix **CFS**, **CFH**, **CFA 1X4**, **2X2** and **2X4** Sizes

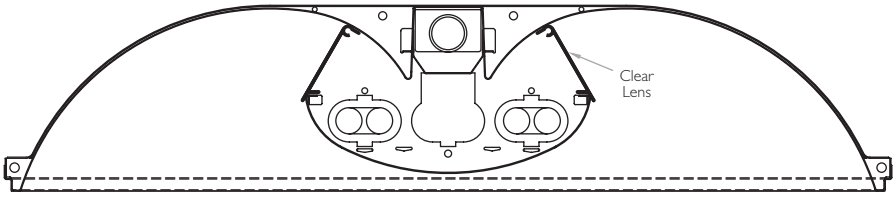
Photometry: Use standard photometric tests and multiply light loss factor by 0.98

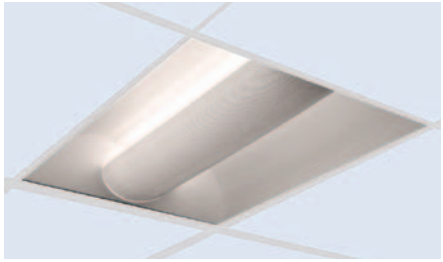




Coffaire Dust Guard G

For static Coffaire series





Features

- Minimizes penetration of dust, insects and other debris into the lamp compartment.
- Encloses lamp compartment.
- Impact resistant clear acrylic lens.
- Hinges at end caps.
- Does not interfere with basket removal and relamping

Ordering information

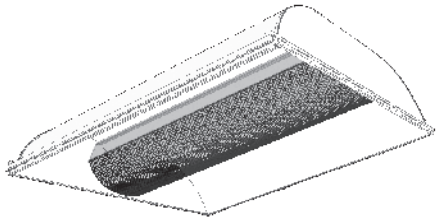
To specifiy dust/insect shield change **PF** in the Catalog no. to **PG**

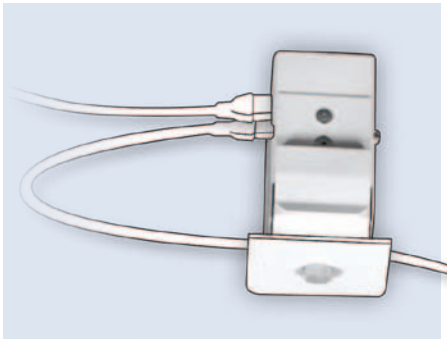
Example

Standard	With dust/insect sheild
CFS2G PF 2FTUNVIB	**CFS2G PG 2FTUNVIB**
CFS2G PF 232UNVHI	**CFS2G PG 232UNVHI**

Compatible with Coffaire Series
Prefix **CFS**, **2X2** and **2X4** Sizes

Photometry: Use standard photometric tests and multiply light loss factor by 0.98





DL Daylighting System

Direct/indirect recessed luminaires

Even when you have selected the most energy efficient luminaire/ballast/lamp combination for your space, additional energy savings can be made by utilizing natural daylight through use of controls. In the past, many have felt "Daylighting" was too complicated because of the wiring required for the interface of the fixtures to the control sensors, the adjustability of the sensors and the inflexibility if you relocated furniture or it did not quite work to your satisfaction.

ULM-EZR Module can be relocated at any time with out use of tools.

ULM-EZR Module blends in with the ceiling system. With a low profile and visible flat dimension of 3" X 3.2" the **ULM-EZR** causes a minimal interruption to the ceiling plane.

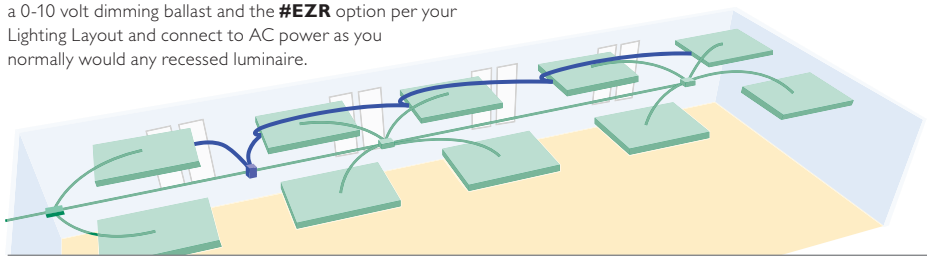
DL Daylighting System

Direct/indirect recessed luminaires

Now, Philips Lightolier makes daylighting as easy as 1-2-3.

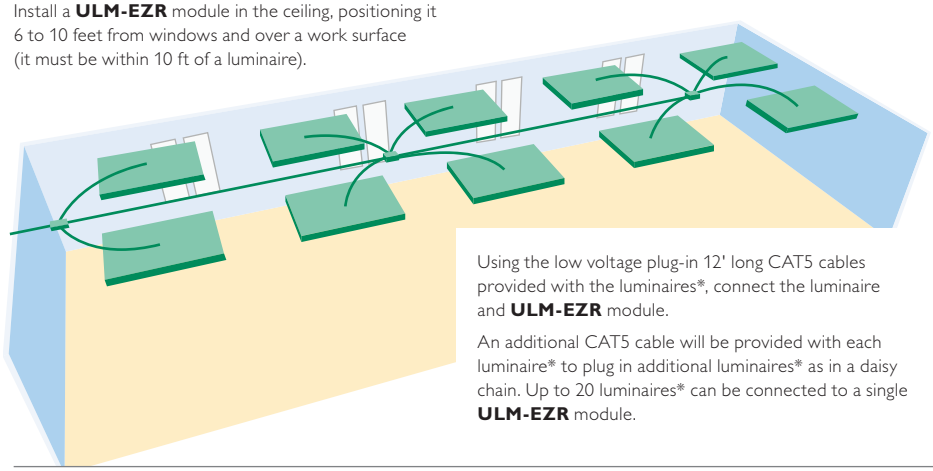
Step 1

Install Philips Lightolier recessed luminaires* which include a 0-10 volt dimming ballast and the **#EZR** option per your Lighting Layout and connect to AC power as you normally would any recessed luminaire.



Step 2

Install a **ULM-EZR** module in the ceiling, positioning it 6 to 10 feet from windows and over a work surface (it must be within 10 ft of a luminaire).



Using the low voltage plug-in 12' long CAT5 cables provided with the luminaires*, connect the luminaire and **ULM-EZR** module.

An additional CAT5 cable will be provided with each luminaire* to plug in additional luminaires* as in a daisy chain. Up to 20 luminaires* can be connected to a single **ULM-EZR** module.

ULM-EZR modules can be moved or added at any time merely by plugging or unplugging the CAT5 cables.

Both **ULM-EZR** modules and fixtures have RJ45 dual receptacles for the CAT5 cable with RJ45 plugs.

ULM-EZR module sensor placement guidelines

Before adjusting sensor settings, check to make sure they have been installed in accordance with the following guidelines:

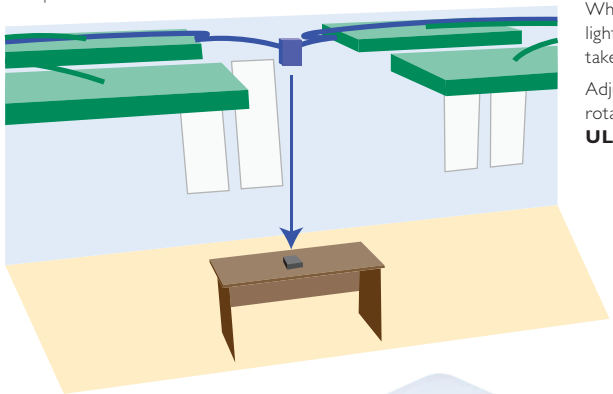
Sensor SHOULD be located.

- Between 6-10' away from window.
- Over work surfaces.

Sensor should NOT be located.

- Over very dark surfaces (e.g. dark carpet or furniture).
- Over highly reflective surfaces (e.g. polished floor or table).
- Outside the daylit zone (typically beyond 15' from window)

Step 3



When there is no daylight, place a lightmeter on the work surface and take a footcandle reading.

Adjust to desired footcandle level by rotating the sensor in the face of the **ULM-EZR** Module.

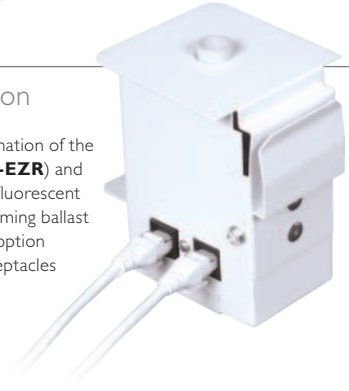
To get MORE light on desk from the luminaire, close aperture by rotating it counter-clockwise. The lamps will get brighter.

To get LESS light on desk from the luminaire, open aperture by rotating it clockwise. The lamps will dim down.

The sensors are factory pre-calibrated to 45fc on the horizontal, assuming standard reflectances (80/50/20), ceiling heights (8-10') and work surfaces (2.5'). To return to the default setting, rotate the aperture until it 'clicks' back into place at the mid-point.

Ordering information

The DL System is the combination of the **ULM-EZR** Module (**UF2F-EZR**) and a Philips Lightolier recessed fluorescent fixture* with a 0-10 volt dimming ballast and the **#EZR** option. This option includes integrated RJ45 receptacles and a 12' long CAT5 cable.



The module and luminaire need to be ordered separately.

ULM-EZR Module: UL2F-EZR

DL System fixture: Specify a Philips Lightolier recessed fluorescent fixture* with a 0-10 volt, 2 wire, dimming ballast and then add suffix **#EZR**. (e.g. **CFS2GPF232UNVM7-#EZR**)

M7 Denotes Advance Mark VII dimming ballast for this lamping configuration. Other lamping configurations and dimming ballast manufacturers available. *Consult your Philips Lightolier representative for list of DL System compatible 1' x 4', 2' x 2' and 2' x 4' recessed fluorescent fixtures (Alter exempt).

Recessed & wall washing

Recessed fluorescent luminaires represent just slightly less than 50% of all commercial and industrial fluorescents sold in the United States. They are usually the "A" fixture on a project. Their use has become popular over the years because the use of low ceiling heights dictates putting the fixture behind the ceiling instead of on it, and mechanical ceiling lay-in systems made the fixture less costly to install than surface or pendant luminaires.

Our recessed line consists of many different body sizes and shielding media, such as large or small cell aluminum parabolic louvers, plastic parabolic louvers, and a variety of lenses, all to meet a designer's application needs. Our vast product offering allows today's designer to carefully select luminaires that will enhance any space and perform to exceptional standards.

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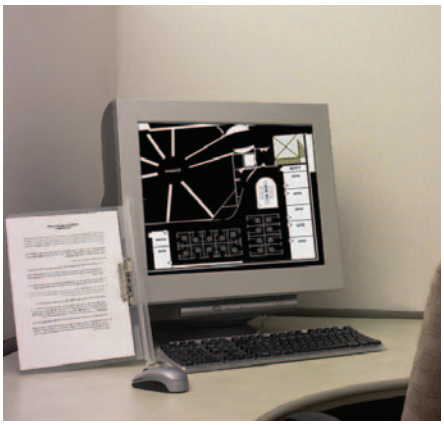
GO2 family > 4.106
Vision Smart > 4.110
Stacklyte > 4.117
Deepcel Plus > 4.118
Prismalyte Plus > 4.122
Specplus > 4.124
XP & XP/XA > 4.126
FRX > 4.128
Options & accessories > 4.130
Quick-connect interties > 4.131
Wall washer & accent > 4.132



Lighting for VDT areas

ANSI/IES RP-1, 2004 requirements for lighting VDT areas

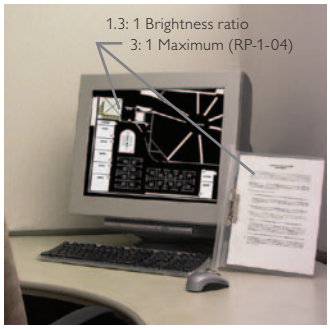
The near-universal use of computers in office areas today is a major change in the workplace. Whereas office lighting was formerly designed to suit visual conditions for paper tasks in the horizontal plane, it must now take into consideration visual tasks comprised of a reflective visual display terminal (VDT) in the vertical plane and paper tasks in the horizontal or vertical plane. This means that a new set of parameters must be considered both to limit distracting reflections in the visual display terminal (VDT) and because of the potential for eye adaption problems; otherwise, a loss of visual performance will occur, with attendant problems of eyestrain, fatigue and loss of productivity.

A number of authorities have concerned themselves with this issue, most notably the Illuminating Engineering Society, who in 1989 issued a recommended practice for lighting office areas containing visual display terminals, RP-24. This was replaced in 1993 and then in 2004 by the American National Standard for Office Lighting ANSI/IES RP-1 2004, which is accepted as the quality standard for the lighting of today's office.

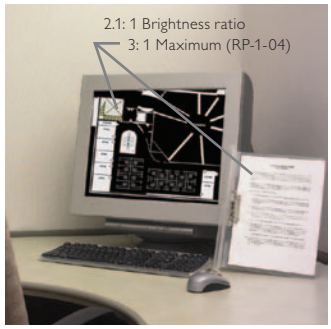
To reduce contrast between the VDT screen and the surrounding area and tasks

Illuminance: Average maintained illuminance levels should not exceed 50 footcandles on the horizontal plane. If a higher level is required because of older eyes or very demanding tasks, it should be provided by supplemental task lighting. In office work that requires constant viewing of the visual display (e.g.: telephone reservations or scientific and engineering dialogues with the computer) where paper based visual tasks are not important, illuminance should be kept as low as possible while still achieving good visual performance.

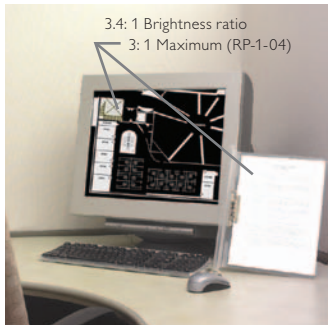
Luminance ratios: Not more than 3:1 between the task and adjacent surfaces; not more than 10:1 between the task and remote surfaces.



24 Horizontal footcandles
Philips Lightolier VP1 Lamp



49 Horizontal footcandles
Philips Lightolier VP2 Lamp



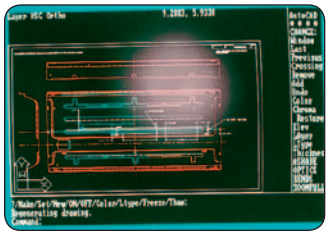
70 Horizontal footcandles
Typical 3 Lamp. Does not meet IES RP-1 2004 requirements.

To reduce direct glare from the lighting fixtures at normal viewing angles: Visual Comfort Probability (VCP): 80, minimum.

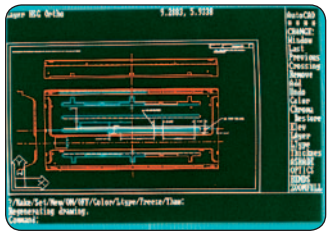
To minimize reflections of the lighting fixtures in the VDT screen.

Angle from Vertical	VDT Intensive	VDT Normal
55°	300 cd	—
65°	220 cd	300 cd
75°	135 cd	185 cd
85°	45 cd	60 cd

Note: This table shows candlepower values, not luminance values as in previous recommendations.



VDT screen in a space with fixtures that **do not** meet RP-1, 2004.



VDT screen in a space with fixtures that meet RP-1, 2004.

Philips Lightolier suggested LEED luminaires

Comparisons in office space

Direct/indirect recessed

Philips Lightolier catalog no.	Family	Lamp	Lamp lumens	Watts	BF	Luminaire spacing	fc*	w/sq ft	90.1 1999 % LEED	90.1 2004 % LEED
H9S2GPR228120WA	HP90	T5 28W	2600	54.6	0.93	8X10	55.2	0.683	47.47%	31.70%
H9S2GPR232(28)UNV	HP90	T5 28W	2725	51.1	0.88	8X10	50.6	0.639	50.85%	36.10%
PPH2G12FW228120WA	Paraplus	T5 28W	2600	55.4	0.93	8X10	48.9	0.693	46.69%	30.70%
H9S2GPR228120WA	HP90	T5 28W	2600	54.6	0.93	8X10	48.0	0.630	51.54%	37.00%
H9S2GPR232(28)UNV	HP90	T5 28W	2725	51.1	0.88	8X10	41.5	0.590	54.62%	41.00%
PPH2G12FW228120WA	Paraplus	T5 28W	2600	56	0.93	8X10	44.0	0.646	50.31%	35.40%
H9S2GPR228120WA	HP90	T5 28W	2600	54.6	0.93	8	44.2	0.910	30.00%	9.00%
H9S2GPR232(28)UNV	HP90	T5 28W	2725	51.1	0.88	8	37.9	0.852	34.46%	14.80%
PPH2G12FW228120WA	Paraplus	T5 28W	2600	56	0.98	8	42.3	0.933	28.23%	6.70%

Recessed direct

Philips Lightolier catalog no.	Family	Lamp	Lamp lumens	Watts	BF	Luminaire spacing	fc*	w/sq ft	90.1 1999 % LEED	90.1 2004 % LEED
DPA2G12LS232120WO	Deepcel	T8 30W	2900	52	0.88	8X10	50.9	0.650	50.00%	35.00%
DPA2G12LS232120DG	Deepcel	T8 32W	2950	77	1.20	8X10	70.6	0.963	25.92%	3.70%
SPS2GFSVA232120WO	Specline	T8 30W	2900	52	0.88	8X10	52.3	0.650	50.00%	35.00%
SPS2GFSVA232120DG	Specline	T8 32W	2950	77	1.20	8X10	72.6	0.963	25.92%	3.70%
DPA2G12LS232120WO	Deepcel	T8 30W	2900	52	0.88	8X10	46.1	0.600	53.85%	40.00%
DPA2G12LS232120DG	Deepcel	T8 32W	2950	77	1.20	8X10	62.9	0.888	31.69%	11.20%
SPS2GFSVA232120WO	Specline	T8 30W	2900	52	0.88	8X10	48.6	0.600	53.85%	40.00%
SPS2GFSVA232120DG	Specline	T8 32W	2950	77	1.20	8X10	64.7	0.888	31.69%	11.20%
DPA2G12LS232120WO	Deepcel	T8 30W	2900	52	0.88	8	46.8	0.867	33.31%	13.30%
SPS2GFSVA232120WO	Specline	T8 30W	2900	52	0.88	8	46.9	0.867	33.31%	13.30%

60' x 56' Room 30' x 26' Room 12' x 10' Room

Lytecel 6 Lens LED 6"x 48"

Direct recessed air return or static luminaires

The Lytecel 6 LED recessed lens brings both flexibility and unity to lighting. Create continuous lines of light with the recessed Lytecel 6 Lens LED. Its crisp, clean lines and minimalist design is sure to bring style, freshness and subtle distinction to modern office and retail interiors. A unique non-visible return air opening allows this product to have air return capabilities if needed. It fits most standard 6" X 48" lay in systems and is designed specifically for the Armstrong TechZone® ceiling systems.

Features

- Non-visible return air openings.
- Air return lens regressed 1-9/16", static regressed 1-3/16".
- Air return models meet UL 1598, Paragraph 9.2.2.5 requirements.
- Extruded aluminum fixture trim flat white polyester powder coated.
- Extruded .080 white opalescent acrylic lens.
- Only 6" deep body.
- Can provide 34 initial footcandles at 0.53 watts per square foot.
- Delivers 2864 lumens with just 44.9 input watts.
- Field replaceable LED array and drivers accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment.
- High efficiency LEDs have 50,000 hour rated life at L70.
- Predicted L70 lifetime is based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- 20 gauge steel housing.
- UL-Listed twin knockout access plate.
- 2 hold-down clips standard.
- Meets NYC Code requirements.
- Compatible with Armstrong TechZone ceiling systems.
- Five-year warranty on luminaire, LED boards and driver.

Options & accessories

Drywall kit: For individual mounts only: **FK906X4**.

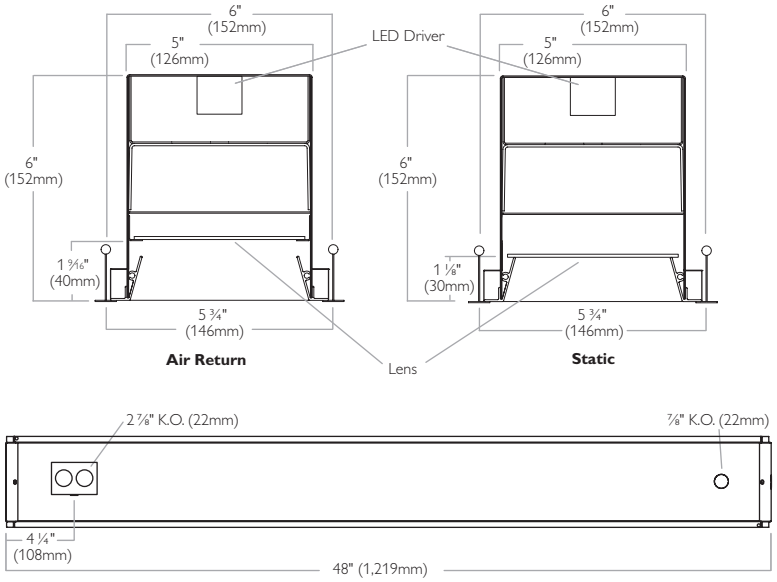
Access plate: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order catalog no.: **ACP5 CSP.**

EM Pack or dimming ballast: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

LIA64GPN28A40ULAG



Ordering information

Type	Delivered lumens	Input watts	Lumens per watt	8'x10½" initial footcandles*	8'x10½' watts per sq. foot	Catalog no.
	2011	30.0	67.0	24	0.36	**LIA64GPN20A40ULAG**
Air return and	2500	38.4	65.1	30	0.46	**LIA64GPN25A40ULAG**
Static	2864	44.9	63.8	34	0.53	**LIA64GPN28A40ULAG**
	3174	50.8	62.5	38	0.60	**LIA64GPN31A40ULAG**

For Static Handling housing models substitute LI**S**64 for LI**A**64.
* 42 Recessed LED Luminaires in a 60' x 56' x 9' room with a reflectance of 80/50/20, placed 8' x 10' on center. Footcandle readings are taken 2½' from floor level.

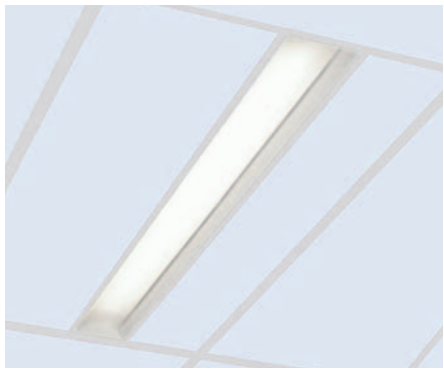
Example	LIA64G			40	U	LAG	
	Lytecel 6 LED Direct Recessed	**Lens shielding** **PN** = .08 White Acrylic	**Lumen**[1] **20A** = 20k lm **25A** = 25k lm **28A** = 28k lm **31A** = 31k lm	**Color temp**[1,2] **40** = 4000K	**Voltage** **UNV** = 120-277V	**Driver**[2] **LAG** = LED Driver	**Options** See page 4.94

1. Approximate delivered values (Consult IES file).
2. Consult representative for other color temperature options and driver dimming options.

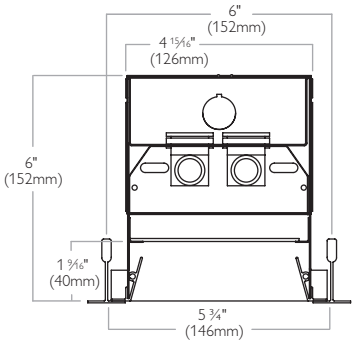
Lytecel 6 Lens 6"x 48"

Direct recessed air return or static luminaires

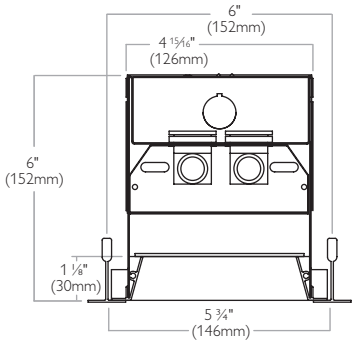
Lytecel 6 Lens is an extension of our popular Lytecel 6 parabolic product line. Lytecel 6 Lens offers a low in brightness extruded white opalescent acrylic lens, allowing the right amount of light to be delivered to walls and work surfaces in an office environment. A unique non-visible return air opening allows this product to have air return capabilities if needed. It fits most standard 6" X 48" lay in systems and is designed specifically for the Armstrong TechZone® ceiling systems.



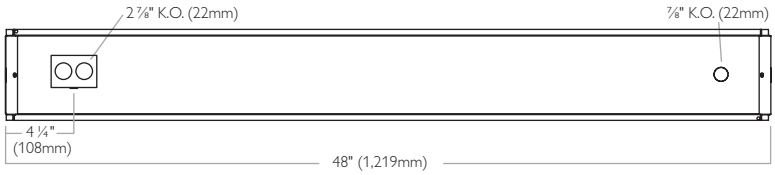
LIA6GPNXR254UNVPG



Air Return



Static



Ordering information

Type	Lamp qty–type	Lamp watts	Standard grid ceiling = G	Slot grid ceiling = T
Air return	2-T5HO	54W	**LIA6GPNXR254**	**LIA6TPNXR254**
	1-T5HO	54W	**LIA6GPNXR154**	**LIA6TPNXR154**
	2-T5	28W	**LIA6GPNXR228**	**LIA6TPNXR228**
	1-T5	28W	**LIA6GPNXR128**	**LIA6TPNXR128**
	2-T8	32W	**LIA6GPNXR232**	**LIA6TPNXR232**
	1-T8	32W	**LIA6GPNXR132**	**LIA6TPNXR132**
Static	2-T5HO	54W	**LIS6GPNXR254**	**LIS6TPNXR254**
	1-T5HO	54W	**LIS6GPNXR154**	**LIS6TPNXR154**
	2-T5	28W	**LIS6GPNXR228**	**LIS6TPNXR228**
	1-T5	28W	**LIS6GPNXR128**	**LIS6TPNXR128**
	2-T8	32W	**LIS6GPNXR232**	**LIS6TPNXR232**
	1-T8	32W	**LIS6GPNXR132**	**LIS6TPNXR132**

* For any additional ceiling systems not shown please consult factory.

Example **LIA6GPNXR154**

Lytecel 6
6" x 48" Recessed Lens

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect T5 or T8)

PG

Ballast
See page 4.95

A

Options
See page 4.95
and page 4.130

Features

- Non-visible return air openings.
- Lens regressed 1 9/16".
- Fixture trim flat white polyester powder coated.
- Extruded.080 white opalesent acrylic lens.
- Only 6" deep body.
- 64.3% efficient 1 lamp 54 Watt T5HO with lens.
- 1.2 spacing mounting ratio.
- 20 gauge steel housing.
- Black housing exterior for cooler ballast operating temperature.
- UL-Listed twin knockout access plate.
- Can be mounted in continuous rows.
- 2 hold-down clips standard.
- Compatible with Armstrong TechZone® ceiling systems.
- Meets NYC Code requirements.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.

Options & accessories page 4.130

Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
Elec. PS T8 32W (1 or 2 Lamp)	**P2**	–
Elec. T5 P.S. 28W or 54W	**PG**	–

* Instant start

Drywall kit: For individual mounts only: **FK906X4**.

Access plate: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order catalog no.: **ACP5 CSP.**

Electrical/wiring options: Consult factory.

EM Pack or dimming ballast: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Lytecel 6 individual T5 6"x 48"

Recessed parabolic luminaires

Features a low brightness 20 cell parabolic louver that has an opening that is only 4¼" wide. The precise contours provide photometrics that meet the IES requirements for lighting VDT areas. It fits most standard 6" X 48" lay-in ceiling systems plus Armstrong TechZone® ceiling systems.

Features

- Semi-specular or specular, low iridescence, pre-anodized aluminum louver.
- Vertical grain on cross blades eliminates reflected lamp image.
- Spring loaded latches (self centering).
- Louver has protective dust guard.
- Only 5-1/2" deep body.
- Black housing exterior for cooler ballast operating temperature.
- UL-Listed twin knockout access plate.
- Can be mounted in continuous rows.
- 2 hold-down clips standard.
- Compatible with Armstrong TechZone® ceiling systems.
- Meets NYC Code requirements.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.

Options & accessories page 4.130

Louver: LI is available in either specular (**P**) or semi-specular (**L**) louvers.
(e.g. **LIS6G20PW228** or **LISG20LW228**)

Ballast type	<10THD	<20THD
Electronic PS T5 (1 or 2 Lamp) (28W or 54W)	**PG**	–

Drywall kit: For individual mounts only: **FK906X4**.

Access plate: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog no.: **ACP5 CSP.**

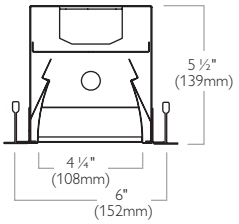
Electrical/wiring options: Consult factory.

EM Pack or dimming ballast: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

LIS6G20PW154UNVPG



Standard T-Grid ceiling

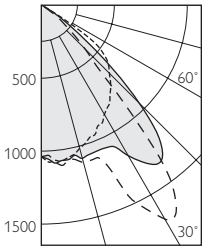
1 Lamp T5 specular louver reference data

Efficiency	58.2%
Spacing ratio	1.6

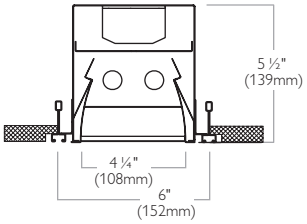
Electronic ballast

Input watts (120V)	59.0W
Ballast factor	1.0

Candlepower Curve



LIS6G20PW228UNVPG



Slot Grid ceiling

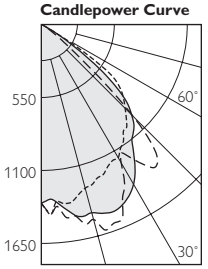
2 Lamp T5 specular louver reference data

Efficiency	55.3%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	66.0W
Ballast factor	1.0

Candlepower Curve



Example **LIS6G20PW154** **Lytecel 6**
6" x 48" Recessed parabolic

UNV **Voltage**
120 = 120V
277 = 277V
UNV= 120-277V
(Elect T5)

PG **Ballast**
See page 4.96

Options
See page 4.96 and page 4.130

Ordering information

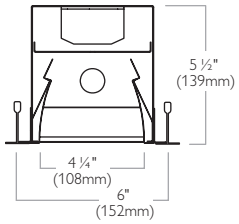
Type	Lamp qty–type	Lamp watts	Standard grid ceiling = G	Slot grid ceiling = T	Tegular 9/16" ceiling = D	Tegular 15/16" ceiling = A
Static	1-T5	28W	**LIS6G20PW128UNVPG**	**LIS6T20PW128UNVPG**	**LIS6D20PW128UNVPG**	**LIS6A20PW128UNVPG**
	2-T5	28W	**LIS6G20PW228UNVPG**	**LIS6T20PW228UNVPG**	**LIS6D20PW228UNVPG**	**LIS6A20PW228UNVPG**
	1-T5	54W	**LIS6G20PW154UNVPG**	**LIS6T20PW154UNVPG**	**LIS6D20PW154UNVPG**	**LIS6A20PW154UNVPG**
	2-T5	54W	**LIS6G20PW254UNVPG**	**LIS6T20PW254UNVPG**	**LIS6D20PW254UNVPG**	**LIS6A20PW254UNVPG**
Air handling	1-T5	28W	**LIA6G20PW128UNVPG**	**LIA6T20PW128UNVPG**	**LIA6D20PW128UNVPG**	**LIA6A20PW128UNVPG**
	2-T5	28W	**LIA6G20PW228UNVPG**	**LIA6T20PW228UNVPG**	**LIA6D20PW228UNVPG**	**LIA6A20PW228UNVPG**
	1-T5	54W	**LIA6G20PW154UNVPG**	**LIA6T20PW154UNVPG**	**LIA6D20PW154UNVPG**	**LIA6A20PW154UNVPG**
	2-T5	54W	**LIA6G20PW254UNVPG**	**LIA6T20PW254UNVPG**	**LIA6D20PW254UNVPG**	**LIA6A20PW254UNVPG**

Lytecel 6 individual T8 6"x 48"

Recessed parabolic luminaires

Features a low brightness 20 cell parabolic louver that has an opening that is only 4¼" wide. The precise contours provide photometrics that meet the IES requirements for lighting VDT areas. It fits most standard 6" X 48" lay-in ceiling systems plus Armstrong TechZone® ceiling systems.

LIS6G20PW132UNVHI



Standard T-Grid ceiling

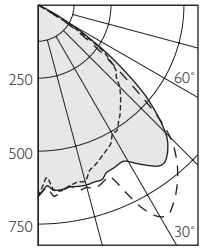
1 Lamp T8 specular louver reference data

Efficiency	57.6%
Spacing ratio	1.7

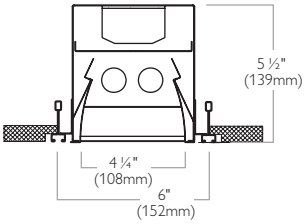
Electronic ballast

Input watts (120V)	39.0W
Ballast factor	1.1

Candlepower Curve



LIS6G20PW232UNVHI



Slot Grid ceiling

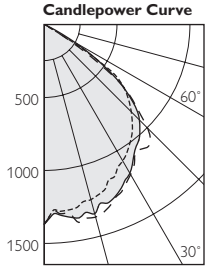
2 Lamp T8 specular louver reference data

Efficiency	51.6%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	78.0W
Ballast factor	1.1

Candlepower Curve



Example **LIS6G20PW132**

Lytecel 6
6" x 48" Recessed parabolic

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect T8)

HI

Ballast
See page 4.97

Options
See page 4.97
and page 4.130

Features

- Semi-specular or specular, low iridescence, pre-anodized aluminum louver.
- Vertical grain on cross blades eliminates reflected lamp image.
- Spring loaded latches (self centering).
- Louver has protective dust guard.
- Only 5-1/2" deep body.
- Black housing exterior for cooler ballast operating temperature.
- UL-Listed twin knockout access plate.
- Can be mounted in continuous rows.
- 2 hold-down clips standard.
- Compatible with Armstrong TechZone® ceiling systems.
- Meets NYC Code requirements.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.

Options & accessories page 4.130

Louver: LI is available in either specular (**P**) or semi-specular (**L**) louvers.
(e.g. **LIS6G20PW228** or **LISG20LW228**)

Ballast type	<10THD	<20THD
Elec. IS T8 32W (1 or 2 Lamp)	**HI**	**SO**
Elec. PS T8 32W (1 or 2 Lamp)	**P2**	–

Drywall kit: For individual mounts only: **FK906X4**.

Access plate: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog no.: **ACP5 CSP.**

Electrical/wiring options: Consult factory.

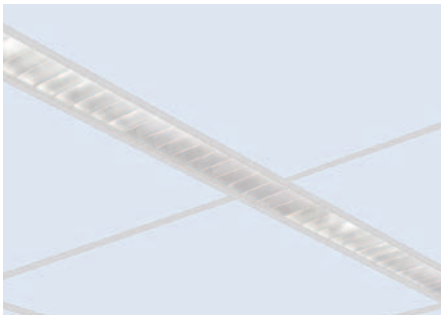
EM Pack or dimming ballast: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Ordering information

Type	Lamp qty–type	Lamp watts	Standard grid ceiling = G	Slot grid ceiling = T	Tegular 9/16" ceiling = D	Tegular 15/16" ceiling = A
Static	1-T8	32W	**LIS6G20PW132UNVHI**	**LIS6T20PW132UNVHI**	**LIS6D20PW132UNVHI**	**LIS6A20PW132UNVHI**
	2-T8		**LIS6G20PW232UNVHI**	**LIS6T20PW232UNVHI**	**LIS6D20PW232UNVHI**	**LIS6A20PW232UNVHI**
Air handling	1-T8	32W	**LIA6G20PW132UNVHI**	**LIA6T20PW132UNVHI**	**LIA6D20PW132UNVHI**	**LIA6A20PW132UNVHI**
	2-T8		**LIA6G20PW232UNVHI**	**LIA6T20PW232UNVHI**	**LIA6D20PW232UNVHI**	**LIA6A20PW232UNVHI**



Lytecel 6 continuous T5 6"x 48"

Recessed parabolic luminaires

Features a low brightness 20 cell parabolic louver that has an opening that is only 4¼" wide and a length of 48". When mounted in continuous rows it creates an uninterrupted continuous louver appearance. It will fit most 6" wide lay-in or slot grid ceiling systems and has unique aligning and clamping hardware that creates the proper fit of the fixture into the ceiling system.

Features

- 48" long louver gives an uninterrupted louver appearance when row mounted. Ideal for continuous row applications.
- Semi-specular or specular, low iridescence, pre-anodized aluminum louver.
- Vertical grain on cross blades eliminates reflected lamp image.
- Spring loaded latches (self centering).
- Louver has protective dust guard.
- Only 5-1/2" deep body.
- Black housing exterior for cooler ballast operating temperature.
- UL-Listed twin knockout access plate.
- Can be mounted in continuous rows.
- 2 hold-down clips standard.
- Meets NYC Code requirements.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.

Options & accessories page 4.130

Louver: LC is available in either specular (**P**) or semi-specular (**L**) louvers.
(e.g. **LCS6G20PW228** or **LCS6G20LW228**)

Ballast type	<10THD	<20THD
Elec. IS T5 28W (1 or 2 Lamp)	**PI**	**SO**
Elec. PS T5 28W or 54W (1 or 2 Lamp)	**PG**	–
Elec IS T8 32W (1 or 2 Lamp)	**HI**	–

Access plate: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog no.: **ACP5 CSP.**

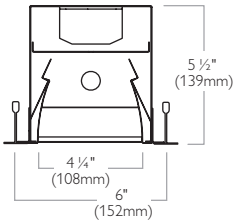
Electrical/wiring options: Consult factory.

EM Pack or dimming ballast: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

LCS6G20PW154UNVPG



Standard T-Grid ceiling

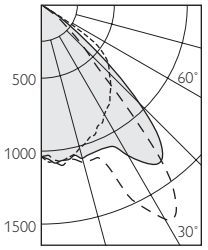
1 Lamp T5 specular louver reference data

Efficiency	58.2%
Spacing ratio	1.6

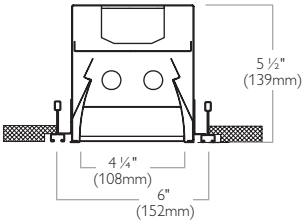
Electronic ballast

Input watts (120V)	59.0W
Ballast factor	1.0

Candlepower Curve



LCS6G20PW228UNVPG



Slot Grid ceiling

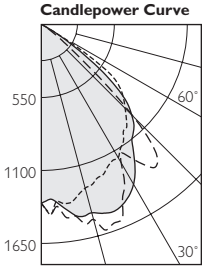
2 Lamp T5 specular louver reference data

Efficiency	55.3%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	66.0W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Lamp qty–type	Lamp watts	Standard grid ceiling = G	Slot grid ceiling = T
Static	1-T5	28W	**LCS6G20PW128UNVPG**	**LCS6T20PW128UNVPG**
	2-T5	28W	**LCS6G20PW228UNVPG**	**LCS6T20PW228UNVPG**
	1-T5	54W	**LCS6G20PW154UNVPG**	**LCS6T20PW154UNVPG**
	2-T5	54W	**LCS6G20PW254UNVPG**	**LCS6T20PW254UNVPG**
Air handling	1-T5	28W	**LCA6G20PW128UNVPG**	**LCA6T20PW128UNVPG**
	2-T5	28W	**LCA6G20PW228UNVPG**	**LCA6T20PW228UNVPG**
	1-T5	54W	**LCA6G20PW154UNVPG**	**LCA6T20PW154UNVPG**
	2-T5	54W	**LCA6G20PW254UNVPG**	**LCA6T20PW254UNVPG**

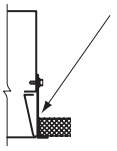
Example **LCS6G20PW154** | **UNV** | **PG** | _____

Lytecel 6
6" x 48" Recessed parabolic

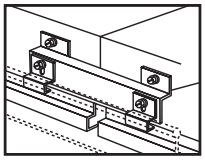
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect T5 or T8)

Ballast
See page 4.98

Options
See page 4.98 and page 4.130



End trim required for beginning and end of row.
Order catalog no.: **LC6 End trim**

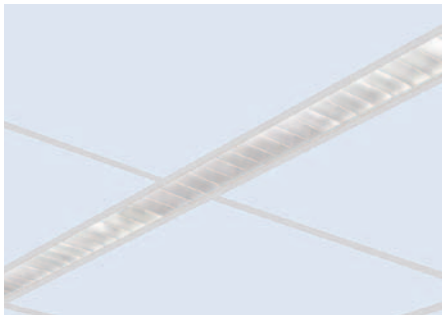


Continuous row coupler locks fixtures together for a continuous line of light without cell configuration interruption,supplied with fixture.
(For end of row order **LC85 CLAMP**)

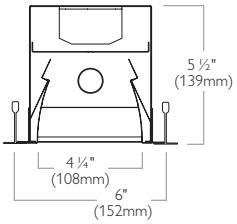
Lytecel 6 continuous T8 6"x 48"

Recessed parabolic luminaires

Features a low brightness 20 cell parabolic louver that has an opening that is only 4 ¼" wide and a length of 48". When mounted in continuous rows it creates an uninterrupted continuous louver appearance. It will fit most 6" wide lay-in or slot grid ceiling systems and has unique aligning and clamping hardware that creates the proper fit of the fixture into the ceiling system.



LCS6G20PW132UNVHI



Standard T-Grid ceiling

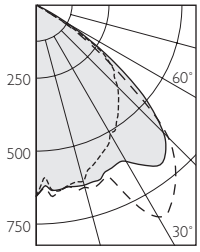
1 Lamp T8 specular louver reference data

Efficiency	57.6%
Spacing ratio	1.7

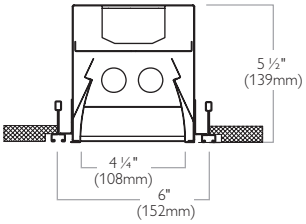
Electronic ballast

Input watts (120V)	39.0W
Ballast factor	1.1

Candlepower Curve



LCS6G20PW232UNVHI



Slot Grid ceiling

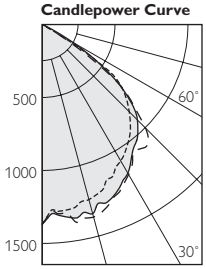
2 Lamp T8 specular louver reference data

Efficiency	51.6%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	78.0W
Ballast factor	1.1

Candlepower Curve



Ordering information

Type	Lamp qty–type	Lamp watts	Standard grid ceiling = G	Slot grid ceiling = T
Static	1-T8 2-T8	32W	**LCS6G20PW132UNVHI** **LCS6G20PW232UNVHI**	**LCS6T20PW132UNVHI** **LCS6T20PW232UNVHI**
Air handling	1-T8 2-T8	32W	**LCA6G20PW132UNVHI** **LCA6G20PW232UNVHI**	**LCA6T20PW132UNVHI** **LCA6T20PW232UNVHI**

Example **LCS6G20PW132**

Lytecel 6
6" x 48" Recessed parabolic

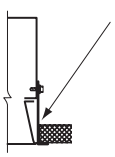
UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect T8)

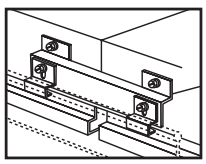
HI

Ballast
See page 4.99

Options
See page 4.99
and page 4.130



End trim required for beginning and end of row.
Order catalog no.: **LC6 ENd trim**



Continuous row coupler locks fixtures together for a continuous line of light without cell configuration interruption,supplied with fixture.
(For end of row order **LC85 CLAMP**)

Features

- 48" long louver gives an uninterrupted louver appearance when row mounted. Ideal for continuous row applications.
- Semi-specular or specular, low iridescence, pre-anodized aluminum louver.
- Vertical grain on cross blades eliminates reflected lamp image.
- Spring loaded latches (self centering).
- Louver has protective dust guard.
- Only 5-1/2" deep body.
- Black housing exterior for cooler ballast operating temperature.
- UL-Listed twin knockout access plate.
- Can be mounted in continuous rows.
- 2 hold-down clips standard.
- Meets NYC Code requirements.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.

Options & accessories page 4.130

Louver: LC is available in either specular (**P**) or semi-specular (**L**) louvers.
(e.g. **LCS6G20PW232** or **LCS6G20LW232**)

Ballast type	<10THD	<20THD
Elec. IS T8 32W (1 or 2 Lamp)	**HI**	**SO**
Elec. PS T8 32W (1 or 2 Lamp)	**P2**	–

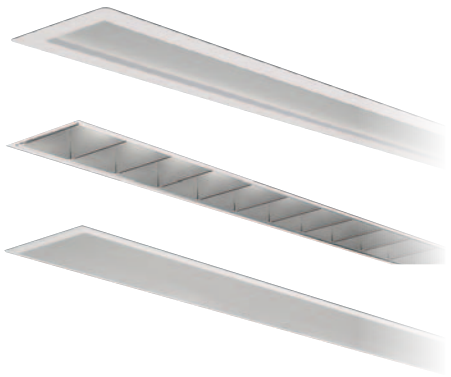
Access plate: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order catalog no.: **ACP5 CSP.**

Electrical/wiring options: Consult factory.

EM Pack or dimming ballast: Consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.



CTS3 2', 4' & 8'

1 lamp recessed luminaires

Features

Housing: 20 gauge pre-painted steel.

Bulkhead: 18 gauge galvanized steel

Reflector: Semi-specular aluminum.

Trim: Flange has an aluminum extruded width of 3/4". Flangeless and grid mount has no trim visible. Grid mount fixture drops into grid system by others.

Lamping: T5 or T5 HO fluorescent.

Lens: Extruded frosted acrylic.

Louver: Extruded Semi specular parabolic, 2" nominal blade spacing.

Electronic ballast: Extruded Programmed start, 3 conductors, 12 gauge wire. Color-coded quick connectors allow easy connection for modular fixture.

Emergency battery pack: 450 Lumens @ 90 minimum.

Labels included: UL, cUL, and IBEW

Ordering instructions

Continuous rows:

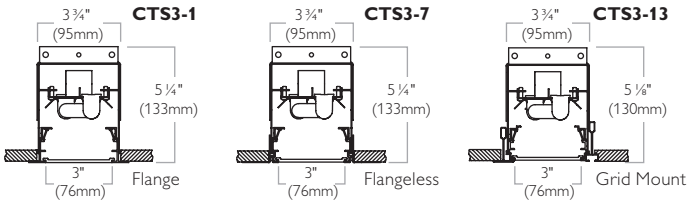
1. Determine run length.
2. Order starter fixture. .
3. Order one telescoping fixture*.
4. Order remainder of joiner fixtures.

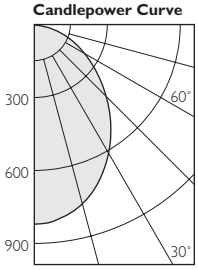
Individual Fixtures:

1. Order number of INDIVIDUAL UNITS required

*For best one lamp effect, use telescoping fixture at longest length possible.

Flush Lens

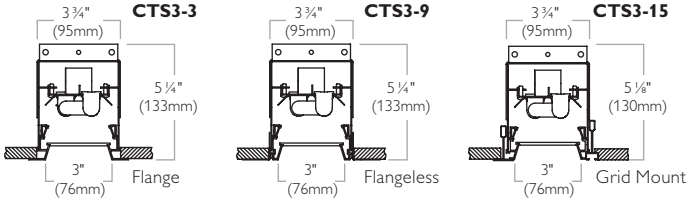


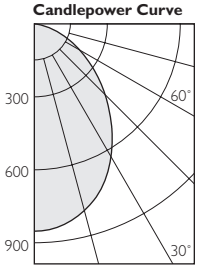


Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1854	37.8	100.0
90-180	0	0.0	0
0-180	1854	37.8	100.0

Regressed Lens

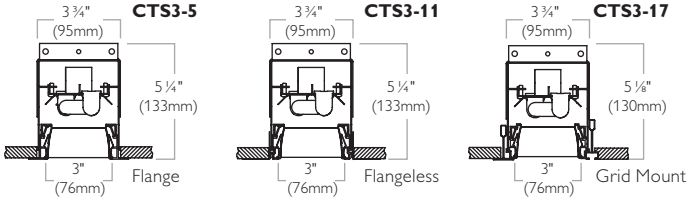


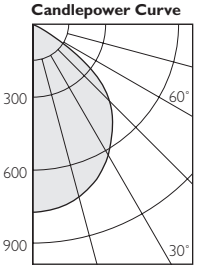


Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1815	37.1	100.0
90-180	0	0.0	0
0-180	1815	37.1	100.0

Parabolic Louver





Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1880	38.4	100.0
90-180	0	0.0	0
0-180	1880	38.4	100.0

Ordering information

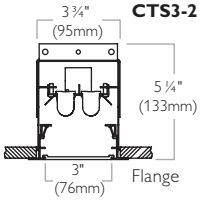
CT3			A						
Family	**Mounting**	**Shielding**	**Configuration**	**Output**	**Length (nom.)**	**Housing**	**Voltage**	**Options**
CT3 = CTS3	**F** = Flange **L** = Flangeless **G** = Grid Mount	**L** = Flush Lens **R** = Recessed Lens **P** = Parabolic Louver	**A** = 1 Lamp [1]	**H** = High Output **S** = Standard	**2** = 2 Foot **4** = 4 Foot **8** = 8 Foot	**U** = Indiv. Unit **S** = Starter [2] **J** = Joiner **T** = Telescoping [3]	**1** = 120V **2** = 277V	**4** = 4 through wires **5** = 5 through wires **T** = Tandem Switch **E** = Emergency Pack [4]

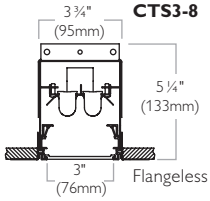
[1] Lamp is mounted diagonally and extends into adjacent fixture by 2 1/2" in starter, joiner and telescoping fixtures
[2] Starter available as 4' and 8' only
[3] Telescoping fixture ships 85 3/8", adjustable down to 49 3/8"
[4] EM pack not available in 2' or telescoping fixtures

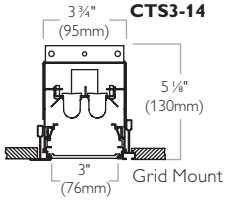
CTS3 2', 4' & 8'

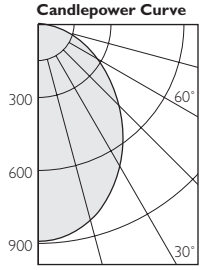
2 lamp recessed luminaires

Flush Lens





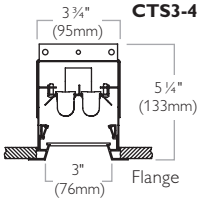


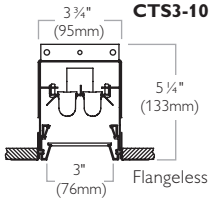


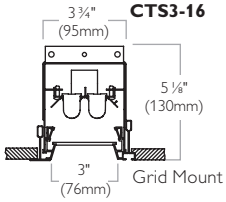
Distribution

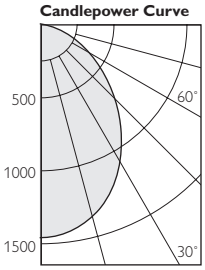
Zone	Lumens	%Lamp	%Luminaire
0-90	3429	35.0	100.0
90-180	0	0.0	0
0-180	3429	35.0	100.0

Regressed Lens





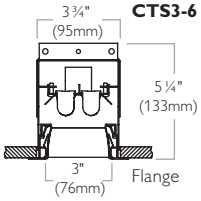


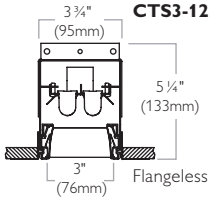


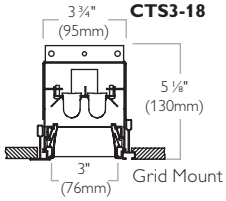
Distribution

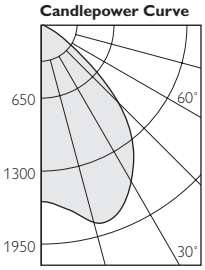
Zone	Lumens	%Lamp	%Luminaire
0-90	3158	32.2	100.0
90-180	0	0.0	0
0-180	3158	32.2	100.0

Parabolic Louver









Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3483	35.5	100.0
90-180	0	0.0	0
0-180	3483	35.5	100.0

Features

Housing: 20 gauge pre-painted steel.

Bulkhead: 18 gauge galvanized steel

Reflector: Semi-specular aluminum.

Trim: Flange has an aluminum extruded width of 3/4". Flangeless and grid mount has no trim visible. Grid mount fixture drops into grid system by others.

Lamping: T5 or T5 HO fluorescent.

Lens: Extruded frosted acrylic.

Louver: Extruded Semi specular parabolic, 2" nominal blade spacing.

Electronic ballast: Extruded programmed start, 3 conductors, 12 gauge wire. Color-coded quick connectors allow easy connection for modular fixture.

Emergency battery pack: 450 Lumens @ 90 minimum.

Labels included: UL, cUL, and IBEW

Ordering instructions

Continuous rows:

1. Determine run length.
2. Order starter fixture. .
3. Order one telescoping fixture*.
4. Order remainder of joiner fixtures.

Individual fixtures:

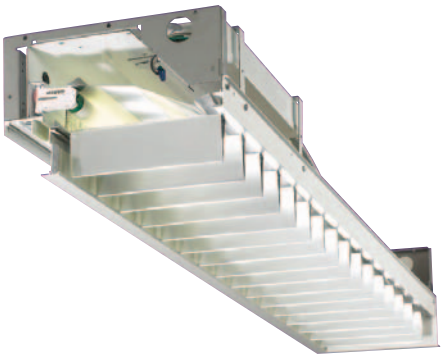
1. Order number of INDIVIDUAL UNITS required

*For best one lamp effect, use telescoping fixture at longest length possible.

Ordering information

CT3			C						
Family	**Mounting**	**Shielding**	**Configuration**	**Output**	**Length (nom.)**	**Housing**	**Voltage**	**Options**
CT3 = CTS3	**F** = Flange **L** = Flangeless **G** = Grid Mount	**L** = Flush Lens **R** = Recessed Lens **P** = Parabolic Louver	**C** = 2 Lamp [1]	**H** = High Output **S** = Standard	**2** = 2 Foot **4** = 4 Foot **8** = 8 Foot	**U** = Indiv. Unit **S** = Starter [2] **J** = Joiner **T** = Telescoping [3]	**1** = 120V **2** = 277V	**4** = 4 through wires **5** = 5 through wires **T** = Tandem Switch **E** = Emergency Pack [4]

[1] Lamp is mounted diagonally and extends into adjacent fixture by 2 1/2" in starter, joiner and telescoping fixtures
[2] Starter available as 4' and 8' only
[3] Telescoping fixture ships 85 3/8", adjustable down to 49 3/8"
[4] EM pack not available in 2' or telescoping fixtures



PTS7 2', 3', 4', 5' & 7'

Perimeter trough system

Features

Housing: Die-formed steel. Integral flanges at each end strengthen the housing and permit housings to be bolted together in continuous runs and facilitate suspension of fixture. Concealed openings for heat extraction.

Lamping: One or two T8 fluorescent lamps, as specified. Provided by others.

Reflector: Die-formed semi-specular aluminum.

Louver: Semi-specular anodized aluminum, 40 degrees lengthwise by 30 degrees minimum crosswise shielding. Supported along both edges by concealed frame of extruded aluminum.

Socket Channels: Die-formed, prepainted steel held by support brackets and allows for up to 6" lamp overlap.

Ceiling Trim: Extruded aluminum with integral aligner splines.

Electrical: Specify 120 volt or 277 volt. 3 conductor, 12 gauge wire. Color-coded quick connectors allow ease of connection for joiner modules. For special circuiting, consult factory. Rapid start, HPF, class "P" thermally protected.

Emergency battery pack: 450 Lumens @ 90 minimum. 4' fixture and longer only. Not available in telescoping fixtures.

Mountings: Wall adjustment bracket - allows for inconsistencies in wall straightness. Die-formed steel used to mount system to the wall.

Finish: Ceiling trim painted baked enamel semi-gloss white.

Options and Accessories

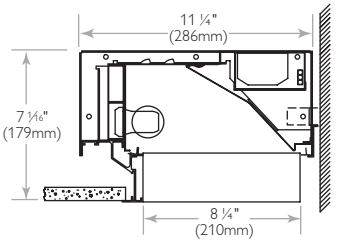
90 degree inside, 90 degree outside, 135 degree inside, and 135 outside corners available.

Labels

UL, cUL and I.B.E.W.

PTS7-1

1 Light T8, parabolic louver, 8 1/4" aperture



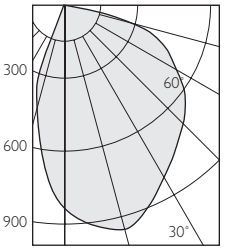
Reference data

Report no:	LRL 499-5D
Efficiency:	46.7%
Lamps:	1-FO32T8

Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2644	45.6	100.0
90-180	0	0.0	0.0
0-180	2644	45.6	100.0

Candlepower Curve



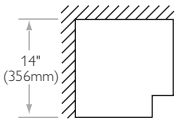
Ordering information

PTS7		1			
Family	**Style**	**Lamps**	**Length**	**Ballast**	**Options**
PTS7 = PTS7	**T** = Telescoping*	**1** = 1 Lamp	**24** = 24"	**E81** = ELET8 120V	**X4** = 4 through wires
	Blank = Non-telescoping		**36** = 36"	**E82** = ELE T8 277V	**X5** = 5 through wires
			48 = 48"*		**X6** = 6 through wires
			60 = 60"		**T** = Tandem switch
			84 = 84"		

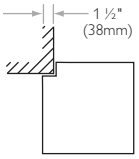
* PTS7-1 lamp telescoping available in 48" with adjustment of 27" to 48".

End plate and corner block accessories

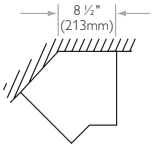
90° Inside
PTS7C901 Standard



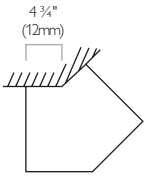
90° Outside
PTS7C900 Standard



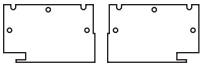
135° Inside
PTS7C1351 Standard



135° Outside
PTS7C1350 Standard



End cap set
PTS7EP Standard



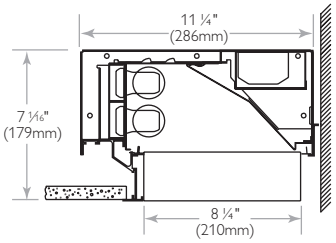
Each run must be closed up by one End cap set

PTS7 2', 3', 3 ½', 4 ½', 5' & 8'

Perimeter trough system

PTS7-2

2 Light T8, parabolic louver, 8 1/4" aperture



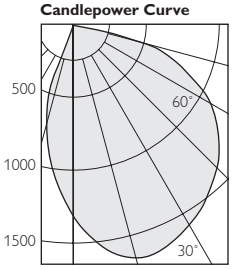
Reference data

Report no:	LRL 499-5E
Lamps:	2-32WT8
Lumens:	2900
Efficiency:	45.6%

Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2644	45.6	100.0
90-180	0	0.0	0.0
0-180	2644	45.6	100.0

Candlepower Curve



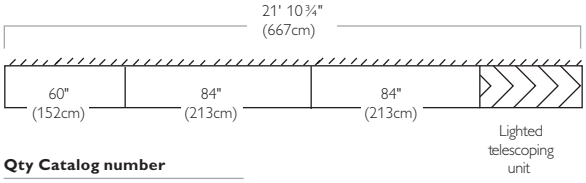
Ordering information

PTS7		2			
Family	**Style**	**Lamps**	**Length**	**Ballast**	**Options**
PTS7 = PTS7	**T** = Telescoping*	**2** = 2 Lamp	**24** = 24" **60** = 60"	**E81** = ELET8 120V	**X4** = 4 through wires
	Blank = Non-telescoping		**36** = 36" **96** = 96"	**E82** = ELE T8 277V	**X5** = 5 through wires
			48 = 48" **54** = 54"*		**X6** = 6 through wires
			42 = 42"*		**T** = Tandem switch

* PTS7-2 lamp telescoping available in 42" with adjustment of 27" to 42". Also available in 54" with adjustment of 39" to 54".

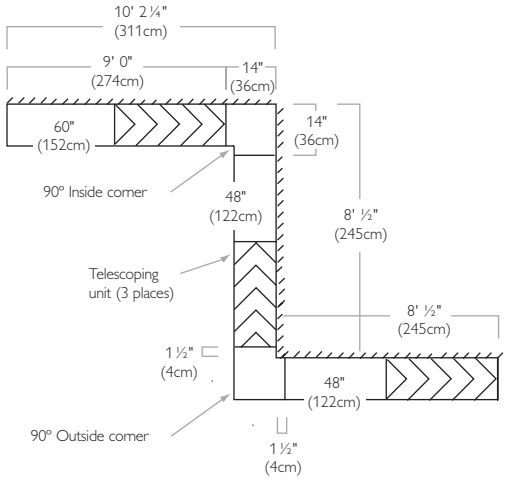
Sample run accessories

Example of a 21' 10¾" run of 1 light 277v PTS7



Qty	Catalog number
1	PTS7T148E82
2	PTS7184E82
1	PTS7160E82
1	PTS7EP

Example of a 1 light pattern using IS and OS corners



Top

Qty	Catalog number	
1	PTS7C901	IS Corner
1	PTS7T148E82	Tele
1	PTS7160E82	Fixture

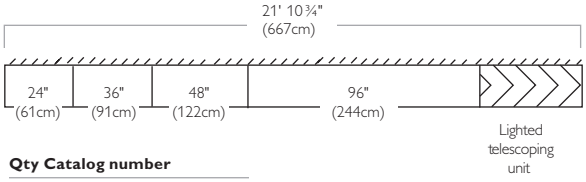
Side

Qty	Catalog number	
1	PTS7T148E82	Tele
1	PTS7148E82	Fixture
1	PTS7C900	OS Corner

Bottom

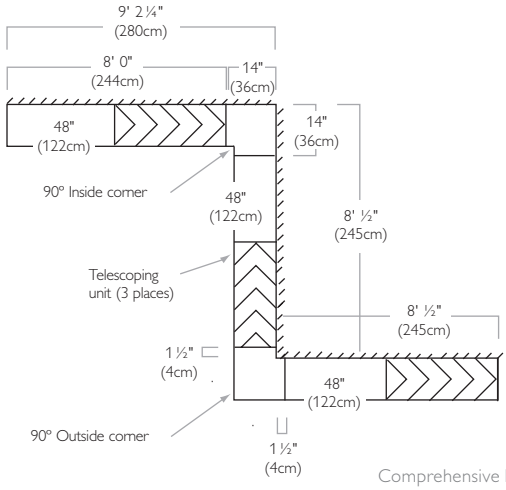
Qty	Catalog number	
1	PTS7T148E82	Tele
1	PTS7148E82	Fixture
1	PTS7EP	End set

Example of a 21' 10¾" run of 2 light 277v PTS7



Qty	Catalog number
1	PTS7T254E82
1	PTS7296E82
1	PTS7248E82
1	PTS7236E82
1	PTS7224E82
1	PTS7EP

Example of a 2 light pattern using IS and OS corners



Top

Qty	Catalog number	
1	PTS7C901	IS Corner
1	PTS7T254E82	Tele
1	PTS7248E82	Fixture

Side

Qty	Catalog number	
1	PTS7T254E82	Tele
1	PTS7248E82	Fixture
1	PTS7C900	OS Corner

Bottom

Qty	Catalog number	
1	PTS7T254E82	Tele
1	PTS7248E82	Fixture
1	PTS7EP	End set

PTS5 T5 lamps 2', 3', 4', 6' & 8'

Architectural profiles

Features

Housing: Die formed 20 gauge pre-painted steel. Integral heavy gauge bulk-heads support housing and trim, permitting modules to be bolted together in continuous runs and to facilitate suspension.

Lamping: Cross sectional one or two linear T5 fluorescent lamps. Provided by others.

Reflector: Precision parabolic roll-formed semi-specular aluminum or precision die-formed CRS finished in a high reflective baked white powder coat.

Louver: Lift and shift straight blade louver constructed from die-formed aluminum and painted to match housing. Louver blades are 1" high on 1 1/8" centers (optional).

Mounting: "J" Rail is first mounted to the wall and the modules connect to the rail for 1/4" wall adjustment. Modules are hung from suspension wires attached to the fixture bulkheads and the structure above.

Electrical

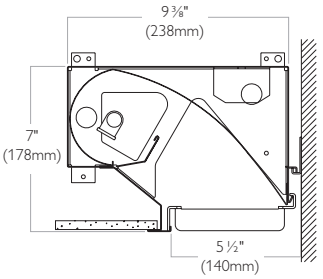
Electronic ballast: Programmed start, 3 conductor, 12 gauge wire. Color-coded quick connectors allow easy connection for modular fixtures.

Dimming: Advance Mark X, use Advance compatible two-wire control (no extra lead required).

Emergency battery pack: 450 Lumens @ 90 minimum. 4' fixture and longer only. Not available in adjustable fixtures.

PTS5-1

1 Light T5, high efficiency reflector



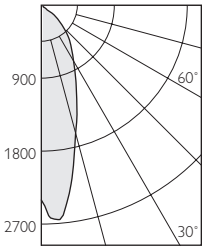
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1861	37.2	100.0
90-180	0.0	0.0	0.0
0-180	1861	37.2	100.0

Reference data

Report no:	ITL53559	Lumens:	5000
Cat no:	PTS51HS14	Efficiency:	37.2%
Lamps:	1-F54T5		

Candlepower Curve

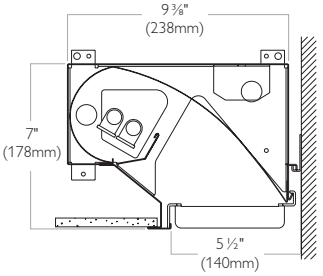


Module ordering information

PTS5	1					
Family	**Lamps**	**Type**	**Shielding**	**Voltage**	**Length**	**Options**
PTS5 = PTS5	**1** = 1 Lamp	**S** = Standard **H** = HO	**O** = Open **S** = Straight blade louver **L** = Lens	**1** = 120V **2** = 277V **3** = 347V **D1** = Dimming 120V **D2** = Dimming 277V **D3** = Dimming 347V **E1** = Emergency 120V **E2** = Emergency 277V	**2** = 2' **3** = 3' **4** = 4' **6** = 6' **8** = 8'	**Blank** = No options **A** = Adjustable **X4** = 4 through wires **X5** = 5 through wires **A4** = Ajustable 4 through wires **A5** = Ajustable 5 through wires

PTS5-2

2 Light T5, high efficiency reflector



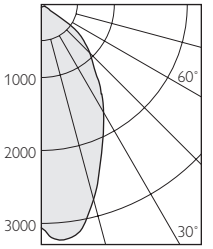
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3026	30.3	100.0
90-180	0.0	0.0	0.0
0-180	3026	30.3	100.0

Reference data

Report no:	ITL53560	Lumens:	5000
Cat no:	PTS52HS14	Efficiency:	30.3%
Lamps:	2-F54T5		

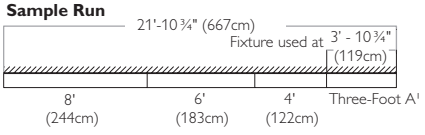
Candlepower Curve

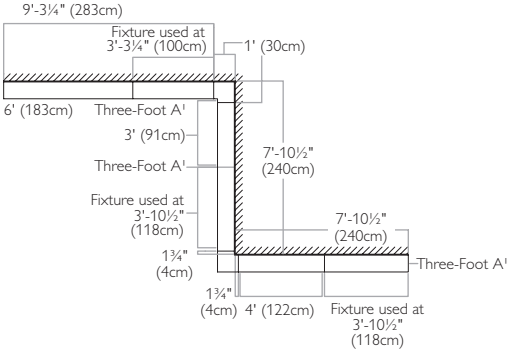


Module ordering information

PTS5	2					
Family	**Lamps**	**Type**	**Shielding**	**Voltage**	**Length**	**Options**
PTS5 = PTS5	**2** = 2 Lamp	**S** = Standard **H** = HO	**O** = Open **S** = Straight blade louver **L** = Lens	**1** = 120V **2** = 277V **3** = 347V **D1** = Dimming 120V **D2** = Dimming 277V **D3** = Dimming 347V **E1** = Emergency 120V **E2** = Emergency 277V	**2** = 2' **3** = 3' **4** = 4' **6** = 6' **8** = 8'	**Blank** = No options **A** = Adjustable **AS** = Adjustable Staggered **S** = Staggered **X4** = 4 through wires **X5** = 5 through wires **A4** = Ajustable 4 through wires **A5** = Ajustable 5 through wires **S5** = Staggered 4 through wires **S5** = Staggered 5 through wires **B4** = Adjustable Staggered 4 through wires **B5** = Adjustable Staggered 5 through wires

Sample Run





For fixture using non-staggered lamps
The four-foot adjustable fixture has a range of 48.75"(123.83cm) - 60"(152.40cm).
The three-foot adjustable fixture has a range of 36.75"(93.35cm) - 48"(121.92cm).
The two-foot adjustable fixture has a range of 24.75"(62.87cm) - 36"(91.44cm).

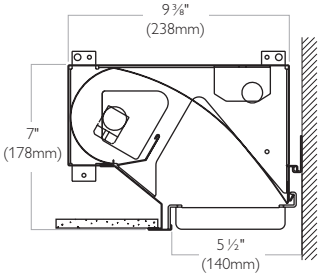
For fixture using staggered lamps
The four-foot adjustable staggered fixture has a range of 51"(129.54cm) - 60"(152.40cm).
The three-foot adjustable staggered fixture has a range of 39"(99.06cm) - 48"(121.92cm).
The two-foot adjustable staggered fixture has a range of 27"(68.58cm) - 36"(91.44cm).

PTS8 T8 lamps 2', 3', 4', 6' & 8'

Architectural profiles

PTS8-1

1 Light T8, high efficiency reflector



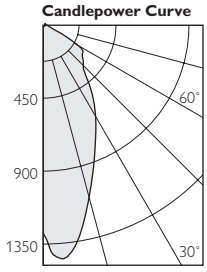
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1162	39.4	100.0
90-180	0	0.0	0.0
0-180	1162	39.4	100.0

Reference data

Report no:	ITL53557	Lumens:	2900
Cat no:	PTS81S14	Efficiency:	39.4%
Lamps:	1-F32T8		

Candlepower Curve

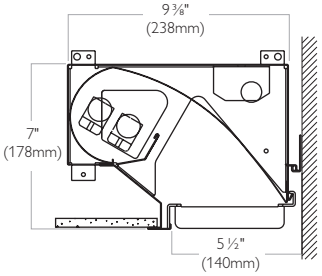


Module ordering information

PTS8	1				
Family	**Lamps**	**Shielding**	**Voltage**	**Length**	**Options**
PTS8 = PTS8	**1** = 1 Light	**O** = Open	**1** = 120V	**2** = 2'	**Blank** = No options
		S = Straight blade louver	**2** = 277V	**3** = 3'	**A** = Adjustable
			3 = 347V	**4** = 4'	**X4** = 4 through wires
		L = Lens	**D1** = Dimming 120V	**6** = 6'	**X5** = 5 through wires
			D2 = Dimming 277V	**8** = 8'	**A4** = Ajustable 4 through wires
			D3 = Dimming 347V		**A5** = Ajustable 5 through wires
			E1 = Emergency 120V		
			E2 = Emergency 277V		

PTS8-2

2 Light T8, high efficiency reflector



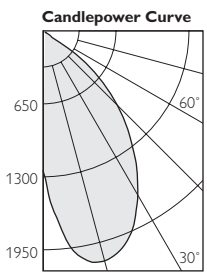
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1878	31.8	100.0
90-180	0	0.0	0.0
0-180	1878	31.8	100.0

Reference data

Report no:	ITL53558	Lumens:	2950
Cat no:	PTS82S14	Efficiency:	31.8%
Lamps:	2-F32T8		

Candlepower Curve



Module ordering information

PTS8	2				
Family	**Lamps**	**Shielding**	**Voltage**	**Length**	**Options**
PTS8 = PTS8	**2** = 2 Light	**O** = Open	**1** = 120V	**2** = 2'	**Blank** = No options
		S = Straight blade louver	**2** = 277V	**3** = 3'	**A** = Adjustable
			3 = 347V	**4** = 4'	**AS** = Adjustable staggered
		L = Lens	**D1** = Dimming 120V	**6** = 6'	**S** = Staggered
			D2 = Dimming 277V	**8** = 8'	**X4** = 4 through wires
			D3 = Dimming 347V		**X5** = 5 through wires
			E1 = Emergency 120V		**A4** = Ajustable 4 through wires
			E2 = Emergency 277V		**A5** = Ajustable 5 through wires

S4 = Staggered 4 through wires
S5 = Staggered 5 through wires
B4 = Adjustable Staggered 4 through wires
B5 = Ajustable Staggered 5 through wires

Features

Housing: Die formed 20 gauge pre-painted steel. Integral heavy gauge bulk-heads support housing and trim, permitting modules to be bolted together in continuous runs and to facilitate suspension.

Lamping: Cross sectional one or two linear T8 fluorescent lamps. Provided by others.

Reflector: Precision parabolic roll-formed semi-specular aluminum.

Louver: Lift and shift straight blade louver constructed from die-formed aluminum and painted to match housing. Louver blades are 1" high on 1 1/8" centers (optional).

Mounting: "J" Rail is first mounted to the wall and the modules connect to the rail for 1/4" wall adjustment. Modules are hung from suspension wires attached to the fixture bulkheads and the structure above.

Electrical

Electronic ballast: Programmed start, 3 conductor, 12 gauge wire. Color-coded quick connectors allow easy connection for modular fixtures.

Dimming: Advance Mark X, use Advance compatible two-wire control (no extra lead required).

Emergency battery pack:
450 Lumens @ 90 minimum. 4' fixture and longer only. Not available in adjustable fixtures.

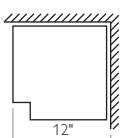
Ordering instructions

1. Order number of fixtures necessary to complete the run.
2. Order one end set per run. Runs with staggered lamp fixtures must end in adjustable staggered module.

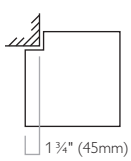
Contact factory for details.

Adjustable fixtures in 2', 3' and 4's length only. Fixture will ship one foot longer than posted length. Staggered lamp fixtures will adjust down to 3" past posted length. Non-staggered lamp fixtures will adjust down to 1" past posted length. Area of adjustability is not lamped.

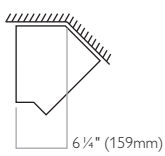
Mounting accessories



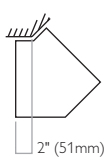
90° Inside corner:
PTS135INCL = Lens
PTS135INCO = Open
PTS135INCS = Straight blade



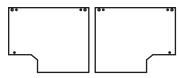
90° Outside corner:
PTS90OTCL = Lens
PTS90OTCO = Open
PTS90OTCS = Straight blade



135° Inside corner:
PTS90INCL = Lens
PTS90INCO = Open
PTS90INCS = Straight blade



135° Outside corner:
PTS135OTCL = Lens
PTS135OTCO = Open
PTS135OTCS = Straight blade

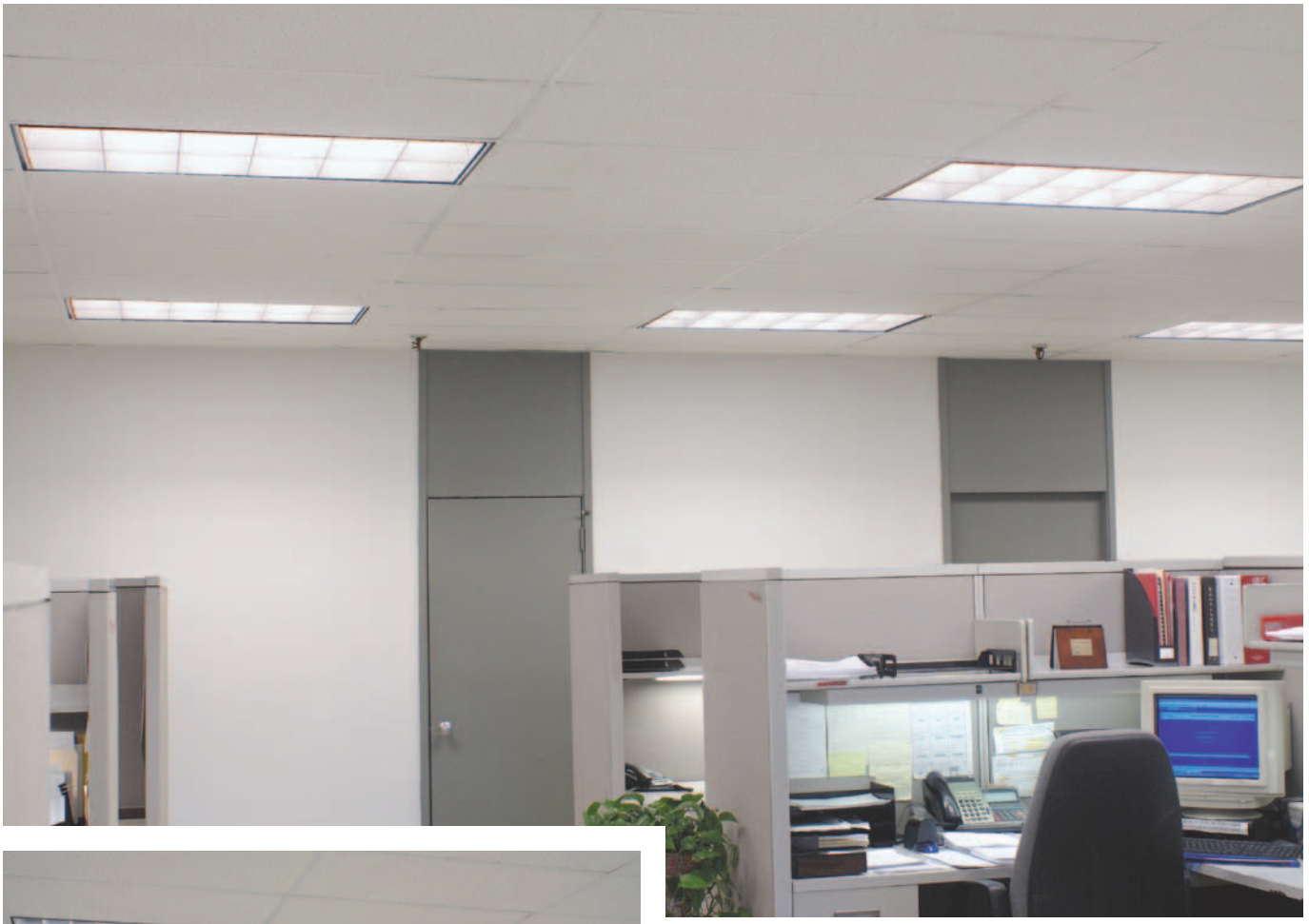


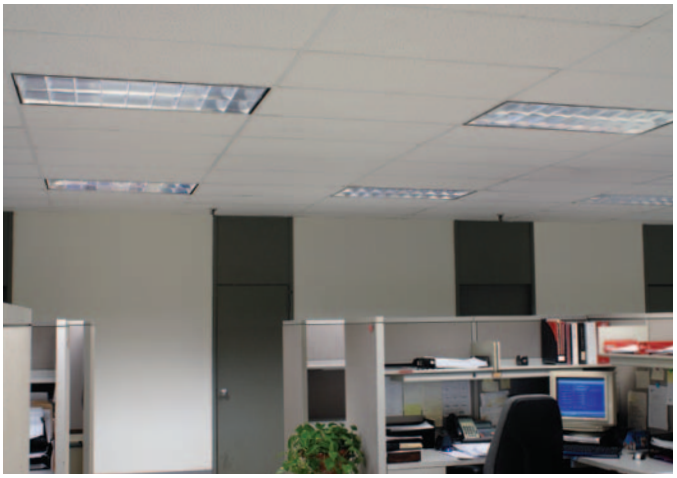
End cap set:
PTSEP

GO2

Recessed high performance louver luminaires

GO2 features a high reflectance flat white louver, and aluminum reflector system that are entirely fabricated with recyclable materials, finished with emission free powder coating, and packaged in recycled corrugated containers. Add to that, it is made in the USA, saving fuel from the factory to the job site, and it makes GO2 an environmentally friendly product.





The sharp cut-off of a traditional parabolic fixture casts dark shadows on the wall creating a cave effect.

The flat white louver makes the luminaire low in brightness yet gives a broad light distribution that evenly illuminates all surfaces in the space, which creates a comfortable balanced brightness for the occupants.

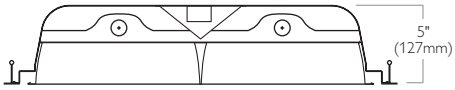
In addition it can provide illumination levels equal to the IESNA requirements, with a Visual Comfort Probability (VCP) that exceeds 70 at less than .6 watts per square foot.

Replacing a typical 3 lamp parabolic with GO2 can save as much as 44% on your energy bill. The GO2 will not only meet your lighting level requirements, but also your LEED goals.

GO2 2' x 4', 2' x 2' & 1' x 4'

Recessed high performance louver luminaires

GOS2G232UNVC5



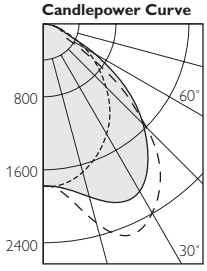
Reference data

Efficiency	85.9%
Spacing ratio	1.7

Electronic ballast

Input watts (120V)	51.0W
Ballast factor	0.78

Candlepower Curve



For air handling type fixture change **S** to **A**. (e.g.: **GOA2G232UNVHI**)

For slot grid ceiling change **G** to **T**. (e.g.: **GOS2T232UNVH**)

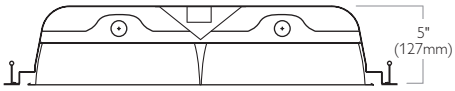
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 4'	2-T5	28W	**GOS2G228UNVPG**
		2-T5	28W	**GOS2G228UNVVY**
		2-T5HO	54W	**GOS2G254UNVPG**
		2-T8	32W	**GOS2G232UNVC5**
		2-T8	32W	**GOS2G232UNVHI**
		2-T8	32W	**GOS2G232UNVV2**

Example

GOS2G232	**UNV**	**C5**	
GO2 Series	**Voltage**	**Ballast**	**Options**
Direct/indirect recessed static or air supply/return	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.107	See page 4.107 and page 4.130

GOS2G217UNVC2



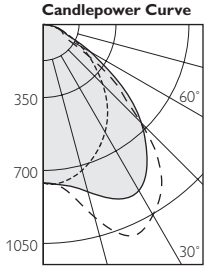
Reference data

Efficiency	80.5%
Spacing ratio	1.7

Electronic ballast

Input watts (120V)	30.2W
Ballast factor	0.88

Candlepower Curve



For air handling type fixture change **S** to **A**. (e.g.: **GOA2G217UNVHI**)

For slot grid ceiling change **G** to **T**. (e.g.: **GOS2T217UNVHI**)

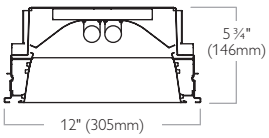
Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	2' x 2'	2-T5	14W	**GOS2G214UNVPG**
		2-T5HO	24W	**GOS2G224UNVPG**
		2-TT5	40W	**GOS2G2FTUNVPR**
		2-T8	17W	**GOS2G217UNVHI**
		2-T8U 1⅝"	32W	**GOS2G22UUNVHI**

Example

GOS2G217	**UNV**	**C2**	
GO2 Series	**Voltage**	**Ballast**	**Options**
Direct/indirect recessed static or air supply/return	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.107	See page 4.107 and page 4.130

GOS1G132UNVC2



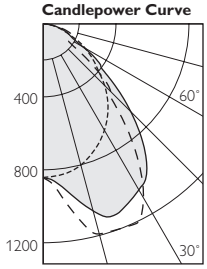
Reference data

Efficiency	80.7%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	30.2W
Ballast factor	0.87

Candlepower Curve



For air handling type fixture change **S** to **A**. (e.g.: **GOA1G232UNVHI**)

For slot grid ceiling change **G** to **T**. (e.g.: **OS1T232UNVHI**)

Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Static	1' x 4'	2-T5	28W	**GOS1G228UNVPG**
		2-T5	28W	**GOS1G228UNVVY**
		1-T5HO	54W	**GOS1G154UNVPG**
		2-T8	32W	**GOS1G232UNVHI**
		2-T8	32W	**GOS1G232UNVV2**

Example

GOS1G132	**UNV**	**C2**	
GO2 Series	**Voltage**	**Ballast**	**Options**
Direct/indirect recessed static or air supply/return	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.107	See page 4.107 and page 4.130

Features

- GO2 evenly illuminates horizontal and vertical surfaces and is low in brightness.
- GO2 2X4 can provide 51 maintained footcandles at only .58 watts per square foot.
- 85.9% efficient two lamp 32 watt T8 2' x 4' luminaire.
- 80.5% efficient two lamp 17 watt T8 2' x 2' luminaire.
- 80.7% efficient single lamp 32 watt T8 1' x 4' luminaire.
- 94% reflective flat white powder coated louver.
- 94% reflectance Miro® reflector system.
- 5" deep body.
- One piece housing.
- Black exterior for cooler ballast operating temperature.
- Built-in earthquake clips.
- Spring loaded latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code or Chicago Plenum requirements is available.
- Manufactured in USA

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO**
Electronic T5	**PG**	–
Electronic TT5 40W	**IB***, **PR****	**SB**
Bilevel step dim T8	**V2**	–
Bilevel step dim T5 14W / 28W	**VY**	–
Adv. Optainum low watt T8	**C5**	–
Adv. Optainum stand. Watt T8	**C2**	–

* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.
Conversion kit for 2' x 2' unit: **FK92X2**.
Conversion kit for 1' x 4' unit: **FK91X4**.
For drywall or plaster ceilings.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

GO2 Retro 2' x 4' & 2' x 2'

Retro fit recessed luminaires

GO2 Retro features a flat white louver and a unique power tray that can be used to convert most installations of 2' x 4' or 2' x 2' parabolic or specification grade lens troffers, that are at least 4 3/8" deep, to state of the art, energy saving GREEN FIXTURES. GO2 Retro is over 80% efficient with a broad light distribution that will illuminate both horizontal and vertical surfaces, creating a comfortable balanced brightness.

Features

- GO2 Retro can be used to convert most 2' x 4' and 2' x 2' parabolic or specification grade lens troffers into energy saving luminaires.
- GO2 Retro evenly illuminates horizontal and vertical surfaces and is low in brightness.
- GO2 Retro is ideal for those areas where you would like to have a minimum of down time such as retail spaces and schools.
- Manufactured in USA

GO2 Retro 2' x 4'

- 12 Cell 95% reflective flat white powder coated louver.
- 84.5% efficient 32W T8.
- 1.5 space mounting ratio.

GO2 Retro 2' x 2'

- 6 Cell 95% reflective flat white powder coated louver.
- 80.6% efficient 17W T8.
- 1.5 space mounting ratio.

Options & accessories page 4.130

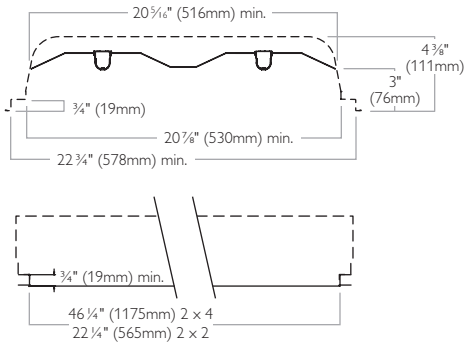
Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. U**NVHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO**
Electronic T5	**PG**	–
Bilevel step dim T8	**V2**	–
Bilevel step dim T5 14W / 28W	**VY**	–
Adv. Optainum low watt T8	**C5**	–
Adv. Optainum stand. Watt T8	**C2**	–

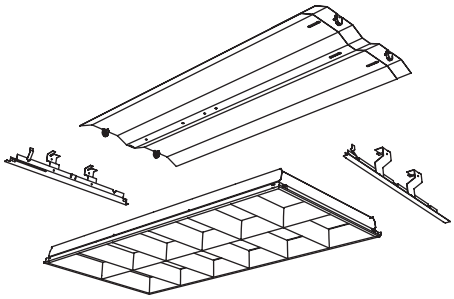
* Instant start.

** Program start.

Dimensions are clearance required in fixture for GO2 Retro to fit



GOR2G232UNVC5



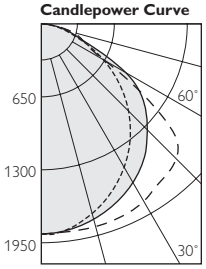
Reference data

Efficiency	84.5%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	53.0W
Ballast factor	0.77

Candlepower Curve



Ordering information

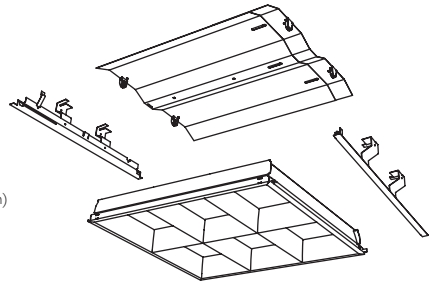
Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Retro fit	2' x 4'	2-T5	28W	**GOR2G228UNVPG**
		2-T5HO	54W	**GOR2G254UNVPG**
		2-T8	32W	**GOR2G232UNVHI**

Available with EM Pack Consult factory

Example **GOR2G232**

GO2 Retro	**UNV**	**HI**	**A**
Direct/indirect Retro fit recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.108	**Options** See page 4.108 and page 4.130

GOR2G217UNVC2



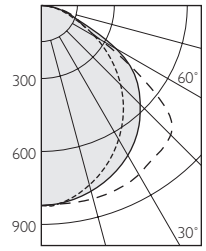
Reference data

Efficiency	80.6%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	30.8W
Ballast factor	0.88

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Lamp watts	Catalog no.
Retro fit	2' x 2'	2-T5	14W	**GOR2G214UNVPG**
		2-T5HO	24W	**GOR2G224UNVPG**
		2-T8	17W	**GOR2G217UNVHI**

2 x 2 Not Available with Emergency Pack

Example **GOR2G217**

GO2 Retro	**UNV**	**HI**	**A**
Direct/indirect Retro Fit Recessed	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.108	**Options** See page 4.108 and page 4.130

GO2 easy installation

Retro fit recessed luminaires

Retrofitting with GO2 Retro as opposed to installing new fixtures is ideal for those areas where you would like to have a minimum of down time such as retail spaces or schools.

Step 1

The first step in installation, after making sure power to fixture is disconnected, is to remove all existing components of the previous fixture, leaving only the body. Place the GO2 Retro end adaptors between the base of the fixture and the T-Bar. Secure the GO2 Retro End Adaptors in place with the supplied tech screws (4).

Step 2

Hang GO2 Retro power tray on tab and slot as shown above. Using the ballast disconnect supplied (accepts up to 12 gauge wire), make power connections and ground connection to body.

Step 3

Lift GO2 Retro power tray into position. Slide GO2 Retro power tray into brackets on end adaptors.

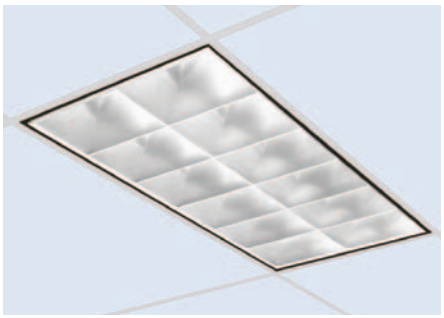
Step 4

Slide the telescoping end of the GO2 Retro power tray into place, resting on the end adaptors. Tighten the integrated white thumb screws of the GO2 Retro power tray securing it in place.

Step 5

Insert the GO2 Retro louver pins into the louver slots of the GO2 Retro end adaptors and close.

The installation of the GO2 Retro is complete.



Vision Smart 2' x 4'

4" Parabolic louver recessed air handling luminaires

Vision Smart 2' x 4' Parabolics meet criteria of IES RP-1 and RP-24.

Features

- VR unit meets IES RP24 and RP1 recommended (basic) criteria for lighting VDT areas.
- Candelas at Nadir (0°), 1510 on 2-lamp VR.
- Semi-specular low iridescence pre-anodized louver in VR model.
- Concealed spring-loaded latch/hinge can be opened either side.
- Only 6" deep.
- Earthquake clips included.
- Protective film dust guard.
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

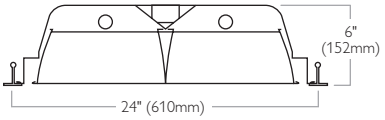
Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

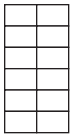
Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Note: For concealed spline, plaster or drywall ceiling, use "**G**" type fixtures with either **S2X4F** Kit (see Folio OA-30-30), or Drywall kit, **FK92X4** (see Folio OA30-10).

VRA2G12LS232UNVHI





12 Cell

Reference data

Efficiency	70.9%
Spacing ratio	1.8

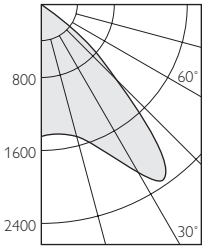
Electronic ballast

Input watts (120V)	62.0W
LER	60.4

Max average brightness

55°	1701cd/m²
65°	345cd/m²
75°	61cd/m²
85°	36cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–Type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 4'	12	2-T8	**VRA2G12LS232**	**VRA2T12LS232**

Example

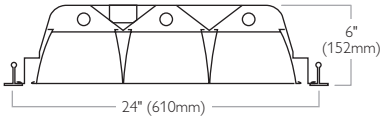
VRA2G12LS232	UNV	HI	ACS4
Vision Smart 4" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 ballast only)	**Ballast** See page 4.110	**Options** See page 4.110 and page 4.130

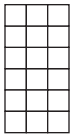
Vision Smart 2' x 4'

4" Parabolic louver recessed air handling luminaires

Vision Smart 2' x 4' Parabolics meet the criteria of IES RP-1 and RP-24.

VRA2G18LP332UNVH3





18 Cell

Reference data

Efficiency	64.5%
Spacing ratio	1.5

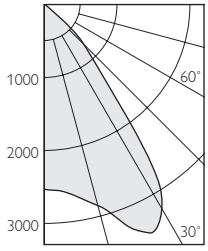
Electronic ballast

Input watts (120V)	85.0W
LER	60.1

Max average brightness

55°	2681cd/m²
65°	304cd/m²
75°	147cd/m²
85°	0cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 4'	18	3-T8	**VRA2G18LP332**	**VRA2T18LP332**

Example **VRA2G18LP332**

Vision Smart
4" Precision contoured pre-anodized aluminum parabolic louver

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 ballast only)

H3

Ballast
See page 4.111

ACS4

Options
See page 4.111 and page 4.130

Features

- VR unit meets IES RP24 and RP1 recommended (basic) criteria for lighting VDT areas.
- Candelas at Nadir (0°), 1510 on 2-lamp VR.
- Semi-specular low iridescence pre-anodized louver in VR model.
- Concealed spring-loaded latch/hinge can be opened either side.
- Only 6" deep.
- Earthquake clips included.
- Protective film dust guard.
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

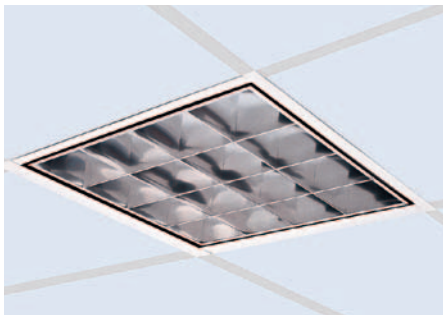
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Note: For concealed spline, plaster or drywall ceiling, use "**G**" type fixtures with either **S2X4F** Kit (see Folio OA-30-30), or Drywall kit, **FK92X4** (see Folio OA30-10).



Vision Smart 2' x 2'

4" Parabolic louver recessed air handling luminaires

Vision Smart VR architecturally symmetrical 2' x 2' Parabolics meet the criteria of IES RP-1 and RP-24.

Features

- Candelas at Nadir (0°), 1224 on 2-lamp VR.
- Semi-specular low iridescence pre-anodized louver in VR models.
- Concealed spring-loaded latch/hinge can be opened either side.
- Only 6" deep.
- Louver frame with integral positive light stop.
- Earthquake clips included.
- Protective film dust guard.
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVPR**.

Ballast type	<10THD	<20THD
1 - 2 Lamp Elec. TT5 40W	**IB***, **PR****	**SB***
LOL TT5 Dimming	–	**PB**

* Instant start.

** Program start.

Consult factory for other wattages.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

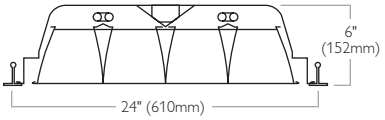
Air closure strips: ACS2 (factory installed).
ACS2 CSP (field installed).

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Note: For concealed spline, plaster or drywall ceiling, use "**G**" type fixtures with either **S2X2F** Kit (see Folio OA-30-30), or Drywall kit, **FK92X2** (see Folio OA30-10).

VRA2G16LV2FT120SB



16 Cell

Reference data

Efficiency	52.2%
Spacing ratio	1.8

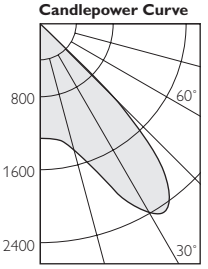
Electronic ballast

Input watts (120V)	74.0W
LER	39.9

Max average brightness

55°	1130cd/m²
65°	267cd/m²
75°	121cd/m²
85°	72cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 2'	16	2-TT5	**VRA2G16LV2FT**	**VRA2T16LV2FT**

Example

VRA2G16LV2FT
Vision Smart
4" Precision contoured pre-anodized aluminum parabolic louver

120
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 or TT5 ballast only)

SB
Ballast
See page 4.112

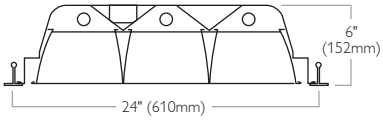
ACS2
Options
See page 4.112 and page 4.130

Vision Smart 2' x 2'

4" Parabolic louver recessed air handling luminaires

Vision Smart VR architecturally symmetrical 2' x 2' Parabolics meet the criteria of IES RP-1 and RP-24.

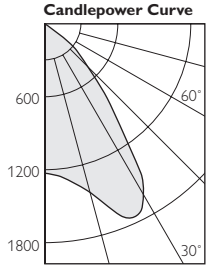
VRA2G9LP317UNVH3



9 Cell

Reference data	
Efficiency	62.7%
Spacing ratio	1.4
Electronic ballast	
Input watts (120V)	47.0W
LER	50.4
Max average brightness	
55°	2203cd/m²
65°	238cd/m²
75°	91cd/m²
85°	0cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 2'	9	3-T8	**VRA2G9LP317**	**VRA2T9LP317**

Example

VRA2G9LP317	UNV	H3	ACS2
Vision Smart 4" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 ballast only)	**Ballast** See page 4.113	**Options** See page 4.113 and page 4.130

Features

- VR 9 cell unit meets IES RP24 and RP1 recommended (basic) criteria for lighting VDT areas.
- Semi-specular low iridescence pre-anodized louver in VR models.
- Concealed spring-loaded latch/hinge can be opened either side.
- Only 6" deep.
- Louver frame with integral positive light stop.
- Earthquake clips included.
- Protective film dust guard.
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

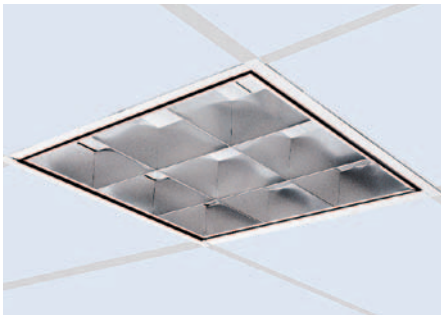
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Note: For concealed spline, plaster or drywall ceiling, use "**G**" type fixtures with either **S2X2F** KIT (see Folio OA-30-30), or DRYWALL KIT, **FK92X2** (see Folio OA30-10).



Vision Smart 2' x 2'

4" Parabolic louver recessed air handling luminaires

Vision Smart architecturally symmetrical 2' x 2' VR Parabolics meet the criteria of IES RP-1 and RP-24. The VR Series is best suited wherever use of VDT's is occasional or nonintensive.

Features

- VR units meet IES RP24 and RP1 recommended (basic) criteria for lighting VDT areas.
- Only 6" deep.
- Semi-specular low iridescence pre-anodized louver is standard on VR models.
- Concealed spring-loaded latch/hinge can be opened either side.
- Louver frame with integral positive light stop.
- Earthquake clips included.
- Protective Film dust guard.
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

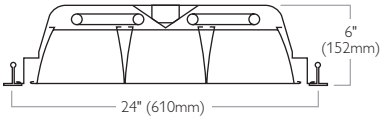
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Air closure strips: ACS2 (factory installed).
ACS2 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Note: For concealed spline, plaster or drywall ceiling, use "**G**" type fixtures with either **S2X2F** Kit (see Folio OA-30-30), or Drywall kit, **FK92X2** (see Folio OA30-10).

VRA2G9LS26UUNVHI



9 Cell

Reference data

Efficiency	57.1%
Spacing ratio	1.3

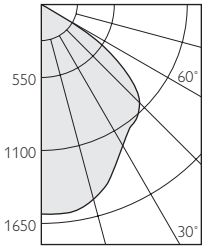
Electronic ballast

Input watts (120V)	60.0W
LER	50.0

Max average brightness

55°	3272cd/m²
65°	357cd/m²
75°	130cd/m²
85°	38cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 2'	9	2-T8U6	**VRA2G9LS26U**	**VRA2T9LS26U**

Example

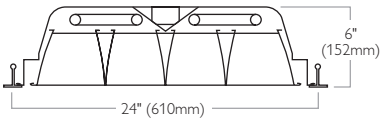
VRA2G9LS26U
Vision Smart
4" Precision contoured pre-anodized aluminum parabolic louver

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect. Ballast only)

HI
Ballast
See page 4.114

ACS2
Options
See page 4.114 and page 4.130

VRA2G16LS26UUNVHI



16 Cell

Reference data

Efficiency	51.7%
Spacing ratio	1.2

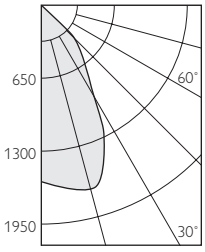
Electronic ballast

Input watts (120V)	60.0W
LER	45.4

Max average brightness

55°	1619cd/m²
65°	293cd/m²
75°	104cd/m²
85°	77cd/m²

Candlepower Curve



`

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 2'	16	2-T8U6	**VRA2G16LS26U**	**VRA2T16LS26U**

Example

VRA2G9LS26U
Vision Smart
4" Precision contoured pre-anodized aluminum parabolic louver

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect. Ballast only)

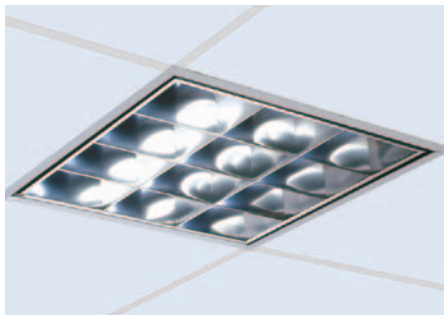
HI
Ballast
See page 4.114

ACS2
Options
See page 4.114 and page 4.130

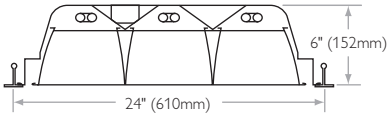
Vision Smart 2' x 2'

4" Parabolic louver recessed air handling luminaires

Vision Smart architecturally symmetrical 2' x 2' VR Parabolics meet the criteria of IES RP-1 and RP-24. The VR Series is best suited wherever use of VDT's is occasional or nonintensive.



VRA2G9LP32UUNVH3



Louver finish is low iridescence semi-specular.

9 Cell

Reference data

Efficiency	56.7%
Spacing ratio	1.4

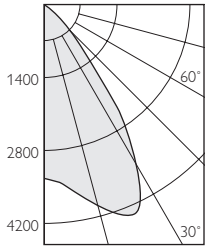
Electronic ballast

Input watts (120V)	83.0W
LER	57.0

Max average brightness

55°	4605cd/m²
65°	484cd/m²
75°	181cd/m²
85°	115cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 2'	9	3-T8U1.6 3-TT5	**VRA2G9LP32U** **VRA2G9LP3FT**	**VRA2T9LP32U** **VRA2T9LP3FT**

Example **VRA2G9LP32U**

Vision Smart
4" Precision contoured pre-anodized aluminum parabolic louver

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect. Ballast only)

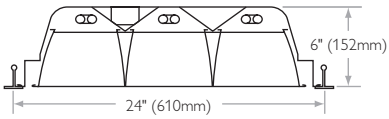
H3

Ballast
See page 4.115

ACS2

Options
See page 4.115 and page 4.130

VRA2G12PP32UUNVH3



Louver finish is low iridescence specular.

12 Cell

Reference data

Efficiency	55.5%
Spacing ratio	1.4

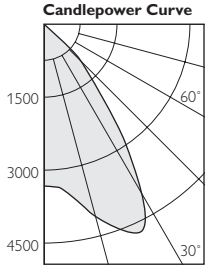
Electronic ballast

Input watts (120V)	83.0W
LER	53.0

Max average brightness

55°	1151cd/m²
65°	71cd/m²
75°	52cd/m²
85°	38cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Exposed Slot-T or concealed T-Grid
Air handling	2' x 2'	12	3-T8U1.6 3-TT5	**VRA2G12PP32U** **VRA2G12PP3FT**	**VRA2T12PP32U** **VRA2T12PP3FT**

Example **VRA2G12PP3FT**

Vision Smart
4" Precision contoured pre-anodized aluminum parabolic louver

120

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect. Ballast only)

X3

Ballast
See page 4.115

ACS2

Options
See page 4.115 and page 4.130

Features

- VR units meet IES RP24 and RP1 recommended (basic) criteria for lighting VDT areas.
- Only 6" deep.
- Semi-specular low iridescence pre-anodized louver is standard on VR models.
- Concealed spring-loaded latch/hinge can be opened either side.
- Louver frame with integral positive light stop.
- Earthquake clips included.
- Protective Film dust guard.
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp elec. T8	**H3***, **P3****	**O3***
1 & 2 Lamp elec. TT5 40W	**IB***, **PR****	**SB***
1 - 3 Lamp elec. TT5 40W	**I3***	**X3***
LOL T8 Dimming	–	**PS**
LOL TT5 Dimming	–	**PB**

* Instant start.

** Program start.

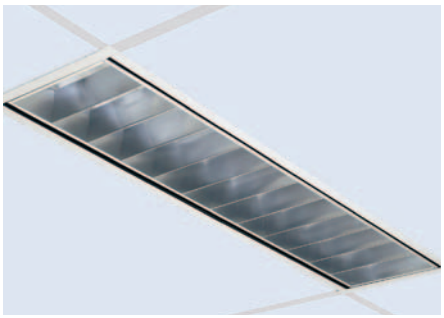
Consult factory for other wattages.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Note: For concealed spline, plaster or drywall ceiling, use "**G**" type fixtures with either **S2X2F** KIT (see Folio OA-30-30), or DRYWALL KIT, **FK92X2** (see Folio OA30-10).



Vision Smart 1' x 4'

3" Parabolic louver recessed air supply/return/static luminaires

Vision Smart (VR) luminaires 1 lamp 8 cell, 2 lamp 12 cell comply with the Basic Criteria of RP-1 (formerly RP-24).

Features

- Meets IES RP-1 recommended (minimum requirements) for lighting VDT areas (VR 1 lamp 8 and 12 cell).
- Semi-specular low iridescence pre-anodized louver.
- Vertical grain on louver eliminates reflected lamp images on cross baffle.
- Louver frame with positive light stop.
- Spring-loaded latches (self centering).
- Black housing exterior for cooler ballast operating temperature.
- Built-in earthquake clip
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.
- Turned-in edges for safe handling.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Catalog no. **FK91X4** with "**G**" type fixtures for drywall or plaster ceilings.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF14** for 1' x 4' troffer.

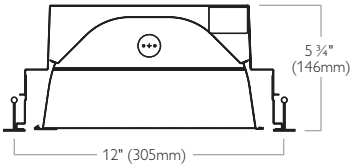
Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **1FCTRIM** (each joint).

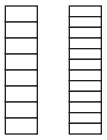
Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

VRA1G8LW132UNVHI





Reference data

Efficiency	67.9%
Spacing ratio	1.9

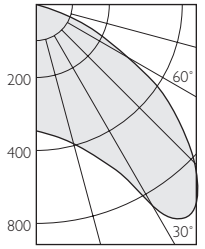
Electronic ballast

Input watts (120V)	30.0W

Max average brightness

65°	837cd/m²
75°	82cd/m²
85°	0cd/m²

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	1' x 4'	8	1-T8	**VRA1G8LW132**	**VRA1F8LW132**	**VRA1T8LW132**
		12	1-T8	**VRA1G12LW132**	**VRA1F12LW132**	**VRA1T12LW132**
		8	2-T8	**VRA1G8LW232**	**VRA1F8LW232**	**VRA1T8LW232**
		12	2-T8	**VRA1G12LW232**	**VRA1F12LW232**	**VRA1T12LW232**
Static	1' x 4'	8	1-T8	**VRS1G8LW132**	**VRS1F8LW132**	**VRS1T8LW132**
		12	1-T8	**VRS1G12LW132**	**VRS1F12LW132**	**VRS1T12LW132**
		8	2-T8	**VRS1G8LW232**	**VRS1F8LW232**	**VRS1T8LW232**
		12	2-T8	**VRS1G12LW232**	**VRS1F12LW232**	**VRS1T12LW232**

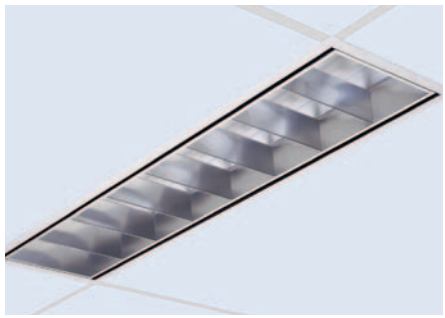
Example

VRA1G8LW132	**UNV**	**HI**	
Vision Smart 3" Parabolic	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elect. Ballast only)	**Ballast** See page 4.116	**Options** See page 4.116 and page 4.130

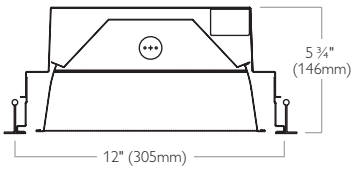
Stacklyte 1' x 4'

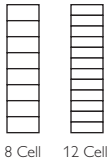
3" Parabolic louver recessed air supply/return/static luminaires

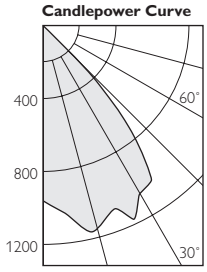
Stacklyte (STA) is excellent for lighting library bookshelves with 97.5% of the fixture distribution in the 90° zone.

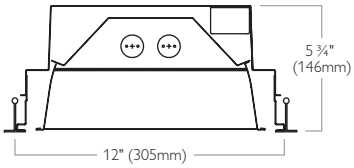


STA1G8LR132UNVHI









Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	1' x 4'	8	1-T8	**STA1G8LR132**	**STA1F8LR132**	**STA1T8LR132**
		12	1-T8	**STA1G12LR132**	**STA1F12LR132**	**STA1T12LR132**
		8	2-T8	**STA1G8LR232**	**STA1F8LR232**	**STA1T8LR232**
		12	2-T8	**STA1G12LR232**	**STA1F12LR232**	**STA1T12LR232**
Static	1' x 4'	8	1-T8	**STS1G8LR132**	**STS1F8LR132**	**STS1T8LR132**
		12	1-T8	**STS1G12LR132**	**STS1F12LR132**	**STS1T12LR132**
		8	2-T8	**STS1G8LR232**	**STS1F8LR232**	**STS1T8LR232**
		12	2-T8	**STS1G12LR232**	**STS1F12LR232**	**STS1T12LR232**

Example **STA1G8LR132**

Stacklyte
3" Parabolic

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect. Ballast only)

HI

Ballast
See page 4.117

Options
See page 4.117 and page 4.130

Ceiling	Vertical footcandles on book shelves 1'	2'	3'	4'					
1	48	48	49	48	48	48	49	48	48
2	36	36	36	36	36	36	36	36	36
3	28	28	28	28	28	28	28	28	28
4	24	24	24	24	24	24	24	24	24
5	21	21	21	21	21	21	21	21	21
6	18	18	18	18	18	18	18	18	18
7	16	16	16	16	16	16	16	16	16
8	16	16	16	16	16	16	16	16	16
9	15	15	15	15	15	15	15	15	15
10	14	14	14	14	14	14	14	14	14
11	12	12	12	12	12	12	12	12	12
12	10	10	10	10	10	10	10	10	10
Floor									

36" bookshelf aisle width

Features

- Semi-specular low iridescence pre-anodized louver.
- Vertical grain on louver eliminates reflected lamp images on cross baffle.
- Louver frame with positive light stop.
- Spring-loaded latches (self centering).
- Black housing exterior for cooler ballast operating temperature.
- Built-in earthquake clip
- UL-Listed twin knockout access plate.
- Metal gauge/construction to meet NYC Code or Chicago Plenum is available.
- Turned-in edges for safe handling.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Catalog no. **FK91X4** with "**G**" type fixtures for drywall or plaster ceilings.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

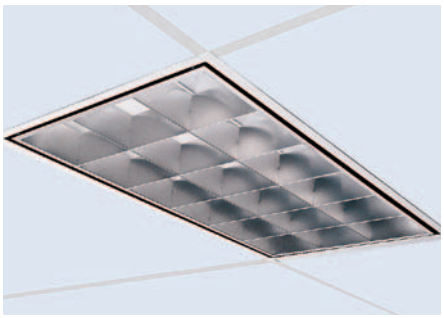
Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF14** for 1' x 4' troffer.

Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **1FCTRIM** (each joint).

Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.



Deepcel Plus 2' x 4'

3" Parabolic louver recessed air return/static luminaires

Philips Lightolier Deepcel Plus is the industry standard 3" parabolic louver troffer with features that offer value above the industry standard.

Features

- 5" deep body.
- Individual lamp compartments.
- 77.7% efficient, 3 lamp 18 cell.
- Clean contoured interior.
- Eyeleted heat removal vents in fixture ends.
- One piece housing.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Built-in earthquake clips.
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring-loaded rooster head latches.
- 18 gauge steel hinges.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp elec. T8	**H3***, **P3****	**O3***
1 - 4 Lamp elec. T8	**H4***, **P4****	**O4***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF24** for 2' x 4' troffer.

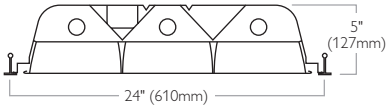
Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **2FCTRIM** (each joint).

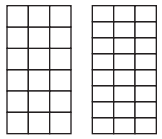
Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

NYC code: Change **DP** to **DY**.

DPA2G18LP332UNVH3





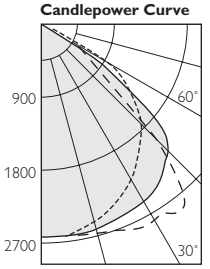
Reference data

Efficiency	77.7%
Spacing ratio	1.6

Electronic ballast

Input watts (120V)	85.9W
Luminaire eff. (LER)	68.6

Candlepower Curve



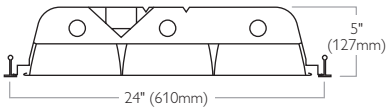
Ordering information

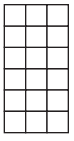
Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 4'	18 24	3-T8	**DPA2G18LP332** **DPA2G24LP332**	**DPA2F18LP332** **DPA2F24LP332**	**DPA2T18LP332** **DPA2T24LP332**
Static	2' x 4'	18 24	3-T8	**DPS2G18LP332** **DPS2G24LP332**	**DPS2F18LP332** **DPS2F24LP332**	**DPS2T18LP332** **DPS2T24LP332**

Example

DPA2G18LP332	UNV	H3	ACS4
Deepcel Plus 3" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 ballast only)	**Ballast** See page 4.118	**Options** See page 4.118 and page 4.130

DPA2G18LS332UNVH3





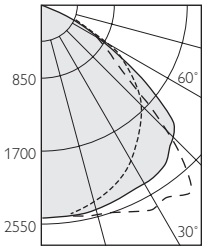
Reference data

Efficiency	77.6%
Spacing ratio	1.6

Electronic ballast

Input watts (120V)	85.8W
Luminaire eff. (LER)	68.6

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 4'	18	3-T8 4-T8	**DPA2G18LS332** **DPA2F18LS432**	**DPA2F18LS332** **DPA2F18LS432**	**DPA2T18LS332** **DPA2T18LS432**
Static	2' x 4'	18	3-T8 4-T8	**DPS2G18LS332** **DPS2G18LS432**	**DPS2F18LS332** **DPS2F18LS432**	**DPS2T18LS332** **DPS2T18LS432**

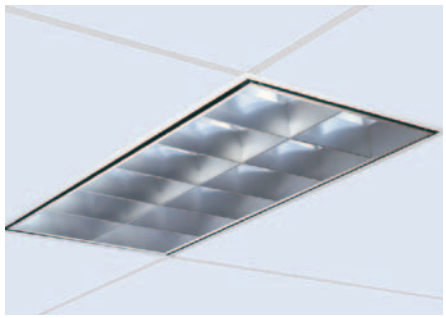
Example

DPA2G18LS332	UNV	H3	ACS4
Deepcel Plus 3" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 ballast only)	**Ballast** See page 4.118	**Options** See page 4.118 and page 4.130

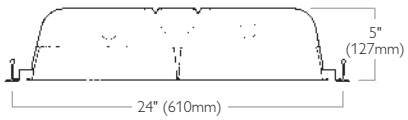
Deepcel Plus 2' x 4'

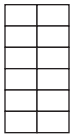
3" Parabolic louver recessed air return/static luminaires

Philips Lightolier Deepcel Plus is the industry standard 3" parabolic louver troffer with features that offer value above the industry standard.



DPA2G12LS232UNVHI





12 Cell

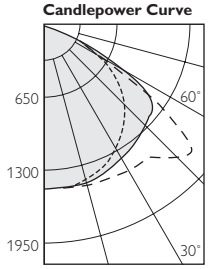
Reference data

Efficiency	80.0%
Spacing ratio	1.6

Electronic ballast

Input watts (120V)	61.6W
Luminaire Eff. (LER)	64.4

Candlepower Curve



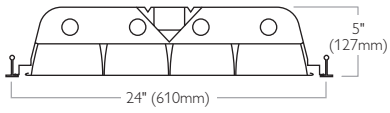
Ordering information

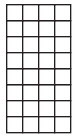
Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 4'	12	2-T8 4-T8	**DPA2G12LS232** **DPA2G12LS432**	**DPA2F12LS232** **DPA2F12LS432**	**DPA2T12LS232** **DPA2T12LS232**
Static	2' x 4'	12	2-T8 4-T8	**DPS2G12LS232** **DPS2G12LS432**	**DPS2F12LS232** **DPS2F12LS432**	**DPS2T12LS232** **DPS2T12LS432**

Example

DPA2G12LS232	UNV	HI	ACS4
Deepcel Plus 3" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 ballast only)	**Ballast** See page 4.119	**Options** See page 4.119 and page 4.130

DPA2G32LS432UNVH4





32 Cell

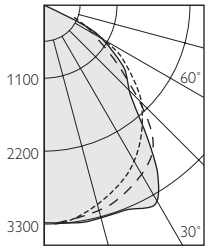
Reference data

Efficiency	64.1%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	110.9W
Luminaire Eff. (LER)	56.7

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 4'	32	4-T8	**DPA2G32LS432**	**DPA2F32LS432**	**DPAT32LS432**
Static	2' x 4'	32	4-T8	**DPS2G32LS432**	**DPS2F32LS432**	**DPS2T32LS432**

Example

DPA2G32LS432	UNV	H4	ACS4
Deepcel Plus 3" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 ballast only)	**Ballast** See page 4.119	**Options** See page 4.119 and page 4.130

Features

- 5" deep body.
- 80% efficient, 2 lamp 12 cell.
- Clean contoured interior.
- Eyeleted heat removal vents in fixture ends.
- One piece housing.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring-loaded rooster head latches.
- 18 gauge steel hinges.
- 1.6 spacing to mounting height ratio.
- Snap-in ballast cover.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 4 Lamp elec. T8	**H4***, **P4****	**O4***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF24** for 2' x 4' troffer.

Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **2FCTRIM** (each joint).

Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

NYC code: Change **DP** to **DY**.

Deepcel Plus 2' x 2'

3" Parabolic louver recessed air handling/static luminaires

Deepcel Plus 2' x 2' parabolic troffers feature all of the design benefits of the 2' x 4' product. Available with T8 and Biax type lamps in 9, 12 or 16 cell configurations. For general office lighting Deepcel Plus 2' x 2' is the preferred choice.

Features

- 5" deep body, clean contoured interior.
- 66.2% efficient, 2 lamp 9 cell U6 T8.
- 63.4% efficient, 3 lamp 9 cell T8 1.6.
- Eyeleted heat removal vents in fixture ends.
- One piece housing.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Fixtures ends turned-in for safe handling.
- Built-in earthquake clips.
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring-loaded rooster head latches.
- 18 gauge steel hinges.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.
- Available for U-shape Octron Curvalume or Biax lamp types.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp elec. T8	**H3***, **P3****	**O3***
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF22** for 2' x 2' troffer.

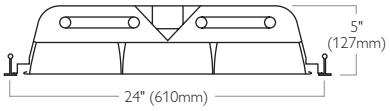
Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **2FCTRIM** (each joint).

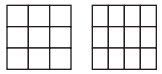
Air closure strips: ACS2 (factory installed).
ACS2 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

NYC code: Change **DP** to **DY**.

DPA2G9LS26UUNVHI





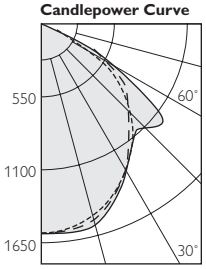
Reference data

Efficiency	66.2%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	57.2W
Luminaire eff. (LER)	53.4

Candlepower Curve



Ordering information

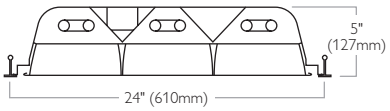
For 17W T8 substitute 6U with 17 in Catalog number.

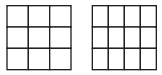
Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 2'	9 12	2-T8U6	**DPA2G9LS26U** **DPA2G12LS26U**	**DPA2F9LS26U** **DPA2F12LS26U**	**DPA2T9LS26U** **DPA2T12LS26U**
Static	2' x 2'	9 12	2-T8U6	**DPS2G9LS26U** **DPS2G12LS26U**	**DPS2F9LS26U** **DPS2F12LS26U**	**DPS2G9LS26U** **DPS2T12LS26U**

Example

DPA2G9LS26U	UNV	HI	ACS2
Deepcel Plus 3" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 ballast only)	**Ballast** See page 4.120	**Options** See page 4.120 and page 4.130

DPA2G9LP32UUNVH3





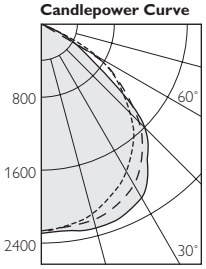
Reference data

Efficiency	63.4%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	57.2W
Luminaire eff. (LER)	56.2

Candlepower Curve



Ordering information

For 17W T8 substitute 2U with 17 in Catalog number.

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 2'	9 12	3-T8U1.6	**DPA2G9LP32U** **DPA2G12LP32U**	**DPA2F9LP32U** **DPA2F12LP32U**	**DPA2T9LP32U** **DPA2T12LP32U**
Static	2' x 2'	9 12	3-T8U1.6	**DPS2G9LP32U** **DPS2G12LP32U**	**DPS2F9LP32U** **DPS2F12LP32U**	**DPS2T9LP32U** **DPS2T12LP32U**

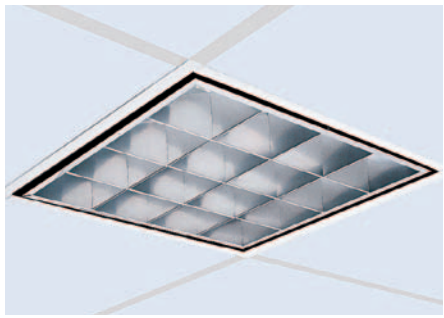
Example

DPA2G9LP32U	UNV	H3	ACS2
Deepcel Plus 3" Precision contoured pre-anodized aluminum parabolic louver	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 ballast only)	**Ballast** See page 4.120	**Options** See page 4.120 and page 4.130

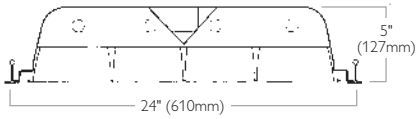
Deepcel Plus 2' x 2'

3" Parabolic louver recessed air handling/static luminaires

Deepcel Plus 2' x 2' parabolic troffers feature all of the design benefits of the 2' x 4' product. Available with T8 and Biax type lamps in 9, 12 or 16 cell configurations. For general office lighting Deepcel Plus 2' x 2' is the preferred choice.



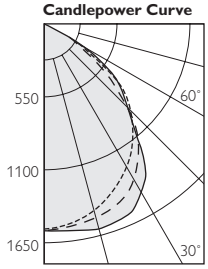
DPA2G16LS26UUNVHI



16 Cell

Reference data	
Efficiency	61.6%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	51.5W
Luminaire eff. (LER)	49.4

Candlepower Curve



Ordering information

For 17W T8 substitute 6U with 17 in Catalog number.

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 2'	16	2-T8U6	**DPA2G16LS26U**	**DPA2G16LS26U**	**DPA2T16LS26U**
Static	2' x 2'	16	2-T8U6	**DPS2G16LS26U**	**DPS2F16LS26U**	**DPS2T16LS26U**

Example **DPA2G16LS26U** | **UNV** | **HI** | **ACS2**

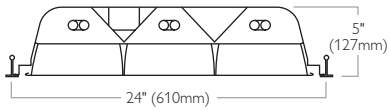
Deepcel Plus
3" Precision contoured pre-anodized aluminum parabolic louver

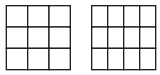
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 or TT5 ballast only)

Ballast
See page 4.121

Options
See page 4.121 and page 4.130

DPA2G9LP3FT120SB & DPA2G12LP3FT120SB

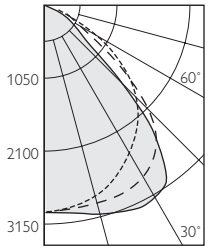




9 Cell 12 Cell

Reference data	
Efficiency	72.0%
Spacing ratio	1.5
Electronic ballast	
Input watts (120V)	100.0W
Luminaire eff. (LER)	59.9

Candlepower Curve



Ordering information

Type	Size	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster	Slot-T or Concealed T
Air handling	2' x 2'	9 12	3-TT5	**DPA2G9LP3FT** **DPA2G12LP3FT**	**DPA2F9LP3FT** **DPA2F12LP3FT**	**DPA2T9LP3FT** **DPA2T12LP3FT**
Static	2' x 2'	9 12	3-TT5	**DPS2G9LP3FT** **DPS2G12LP3FT**	**DPS2F9LP3FT** **DPS2G12LP3FT**	**DPS2T9LP3FT** **DPS2T12LP3FT**

Example **DPA2G9LP3FT** | **120** | **X3** | **ACS2**

Deepcel Plus
3" Precision contoured pre-anodized aluminum parabolic louver

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 or TT5 ballast only)

Ballast
See page 4.121

Options
See page 4.121 and page 4.130

Features

- 5" deep body, clean contoured interior.
- 61.6% efficient, 2 lamp 9 cell U6 T8.
- 72.0% efficient, 3 lamp 9 cell TT5.
- Eyeleted heat removal vents in fixture ends.
- One piece housing.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Fixtures ends turned-in for safe handling.
- Built-in earthquake clips.
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring-loaded rooster head latches.
- 18 gauge steel hinges.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.
- Available for U-shape Octron Curvalume or Biax type.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp elec. TT5 40W	**I3***	**X3***
Electronic TT5 40W	**IB***, **PR****	**SB***
LOL T8 Dimming	–	**PS**
LOL TT5 Dimming	–	**PB**

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

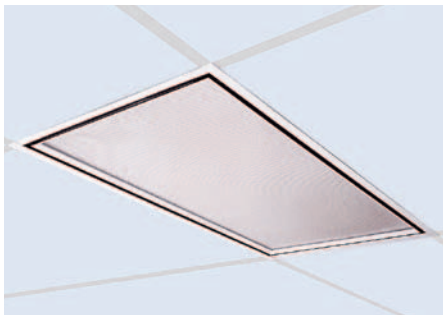
Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF22** for 2' x 2' troffer.

Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **2FCTRIM** (each joint).

Air closure strips: ACS2 (factory installed).
ACS2 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

NYC code: Change **DP** to **DY**.



Prismalyte Plus 2' x 4'

Premium specification lensed recessed air handling luminaires

Prismalyte Plus luminaires are top of the line air handling lensed fluorescent luminaires with floating door appearance, regressed, aluminum doors and black painted housing for optimum lamp and ballast operations. Door frames are interchangeable with Deepcel Plus 2' x 4' louvers.

Features

- 5" deep body (2' x 4').
- Black housing exterior for cooler ballast operating temperature.
- Built-in earthquake clips on 2' x 4'.
- Hemmed over side rails for safety.
- Fixture ends turned in for safe handling.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Interchangeable with Deepcel and Parabaffle louvers.
- Spring loaded rooster head latches.

Options & accessories page 4.130

Special lenses: VA lens pattern 12 prismatic virgin acrylic is standard. For other available lenses, see options and accessories page.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
1 - 4 Lamp Elec. T8	**H4***, **P4****	**O4***

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

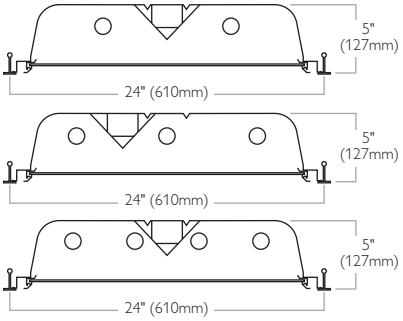
Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF24** for 2' x 4' troffer.

Air closure strips: ACS4 (factory installed).
ACS4 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

For NYC code consult factory

PRA2GRFVA432UNVH4



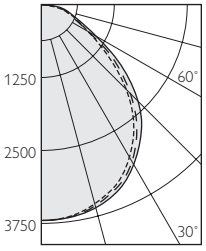
Reference data

Efficiency	76.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	109.5W
Luminaire eff. (LER)	68.7

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
Air handling	2' x 4'	2-T8	**PRA2GRFVA232**	**PRA2FRFVA232**
		3-T8	**PRA2GRFVA332**	**PRA2GRFVA332**
		4-T8	**PRA2FRFVA432**	**PRA2FRFVA432**
Static	2' x 4'	2-T8	**PRS2GRFVA232**	**PRS2FRFVA232**
		3-T8	**PRS2FRFVA332**	**PRS2FRFVA332**
		4-T8	**PRS2GRFVA432**	**PRS2GRFVA432**

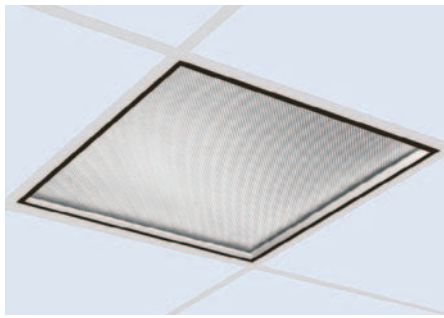
Example

PRA2GRFVA432	**UNV**	**H4**	**C**
Prismalyte Plus Floating lens frame recessed fluorescent troffer	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.122	**Options** See page 4.122 and page 4.130

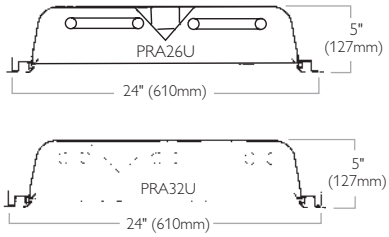
Prismalyte Plus 2' x 2' & 1' x 4'

Premium specification lensed recessed air handling luminaires

Prismalyte Plus luminaires are top of the line air handling lensed fluorescent luminaires with floating door appearance, regressed, aluminum doors and black painted housing for optimum lamp and ballast operations. Door frames are interchangeable with Deepcel Plus 2' x 2' louvers.



PRA2GRFVA26UUNVHI & PRA2GRFVA32UUNVH3



Reference data

Efficiency	71.6%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	60.0W
Luminaire eff. (LER)	58.0

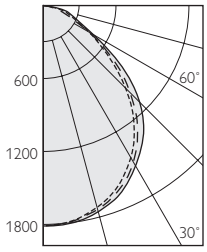
Reference data

Efficiency	67.0%
Spacing ratio	1.3

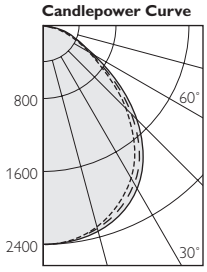
Electronic ballast

Input watts (120V)	76.0W
Luminaire eff. (LER)	63.4

Candlepower Curve



Candlepower Curve



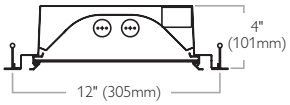
Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
Air handling	2' x 2'	2-T8U6	**PRA2GRFVA26U**	**PRA2FRFVA26U**
		3-T8U1.6/ 3-TT5	**PRA2GRFVA32U**	**PRA2FRFVA32U**
			PRA2GRFVA3FT	**PRA2FRFVA3FT**
Static	2' x 2'	2-T8U6	**PRS2GRFVA26U**	**PRS2FRFVA26U**
		3-T8U1.6/ 3-TT5	**PRS2GRFVA32U**	**PRS2FRFVA32U**
			PRS2GRFVA3FT	**PRS2FRFVA3FT**

Example

PRA2GRFVA26U	UNV	HI	C
Prismalyte Plus Floating lens frame recessed fluorescent troffer	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.123	**Options** See page 4.123 and page 4.130

PRA1GFVA232UNVHI



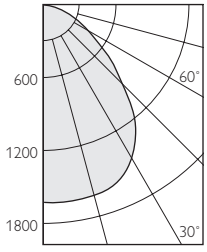
Reference data

Efficiency	65.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	56.6W
Luminaire eff. (LER)	58.0

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
Air handling	1' x 4'	1-T8	**PRA1GRFVA132**	**PRA1FRFVA132**
		2-T8	**PRA1GRFVA232**	**PRA1FRFVA232**
Static	1' x 4'	1-T8	**PRS1GRFVA132**	**PRS1FRFVA132**
		2-T8	**PRS1GRFVA232**	**PRS1FRFVA232**

Example

PRA1GRFVA232	UNV	HI	C
Prismalyte Plus Floating lens frame recessed fluorescent troffer	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.123	**Options** See page 4.123 and page 4.130

Features

- 5" deep body (2' x 2').
- 4" deep (1' x 4' G Type).
- Black housing exterior for cooler ballast operating temperature.
- Built-in earthquake clips on 2' x 2'.
- Hemmed over side rails for safety.
- Fixture ends turned in for safe handling.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner aluminum lens frame.
- Interchangeable with Deepcel and Parabaffle louvers.
- Spring loaded rooster head latches.

Options & accessories page 4.130

Special lenses: VA lens pattern 12 prismatic virgin acrylic is standard. For other available lenses, see options and accessories page.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
1 - 3 Lamp Elec. TT5 40W	**IB***, **PR****	**X3***
Electronic TT5 40W	**IB***	**SB**

* Instant start.

** Program start.

Consult factory for other wattages.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**.
Conversion kit for 1' x 4' unit: **FK91X4**.

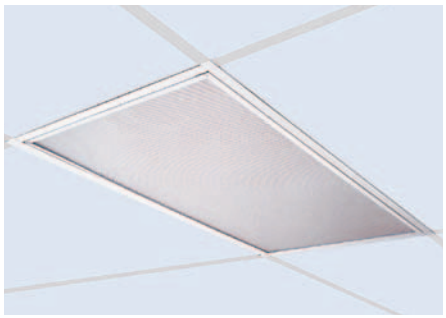
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF22** for 2' x 2' troffer. Catalog no. **PF14** for 1' x 4' troffer.

Air closure strips: ACS2 (factory installed).
ACS2 CSP (field installed).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

For NYC code consult factory



Specplus 2' x 4'

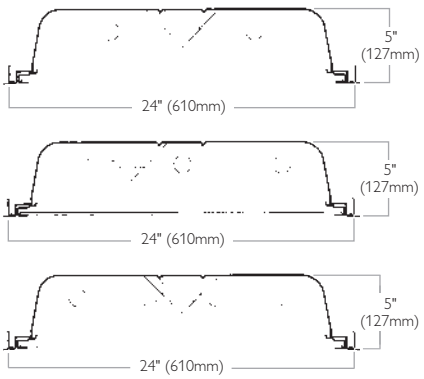
Specification grade lensed recessed static luminaires

Specplus has all the features you look for in a TRUE specification grade lens troffer. Our 5" depth reverses the industry trend of making fixtures shallower thus putting the lamps closer to the lens. And there is more.

SPS2GFSVA432UNVH4

Features

- 5" deep body (2' x 4').
- 3 1/16" lamp to lens for better lamp obscuration (2' x 4').
- 81.2% efficient (4 light).
- Clean contoured interior, no holes.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (2' x 4').
- Slimline Door frame with 475 and 1000 square inch lens openings (2' x 4').
- Door jamb finished black on four sides for positive light stop.
- True Mitered corner steel lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.
- Construction to meet Chicago Plenum requirements is available.



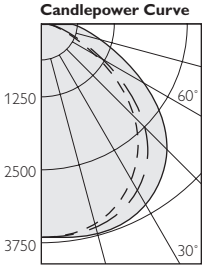
Reference data

Efficiency	81.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	108.7W
Luminaire Eff. (LER)	73.2

Candlepower Curve



Options & accessories page 4.130

Special lenses: VA lens pattern 12 prismatic virgin acrylic is standard. For other available lenses, see options and accessories page.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
1 - 4 Lamp Elec. T8	**H4***, **P4****	**O4***

* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 4' unit: **FK92X4**.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF24** for 2' x 4' troffer.

Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **2FCTRIM** (each joint).

Door frames: SPS2G**FS** (Flat steel door).
SPS2G**FA** (Flat aluminum door).
SPS2G**RA** (Regressed aluminum door).

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
Static	2' x 4'	2-T8	**SPS2GFSVA232**	**SPS2FFSVA232**
		3-T8	**SPS2GFSVA332**	**SPS2FFSVA332**
		4-T8	**SPS2GFSVA432**	**SPS2FFSVA432**

Example

SPS2GFSVA432	**UNV**	**H4**	**A**
Specplus Lens Frame Recessed Fluorescent Troffer	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.124	**Options** See page 4.124 and page 4.130

Sky lens

The Sky lens offers an aesthetically pleasing lens option for any environment giving you the ability to customize your space. The Sky lens exudes a soothing alternative to conventional lenses when used in areas such as health care waiting or examination rooms, assisted living common areas or child care faculties.

These options are available on the Philips Lightolier SpecPlus recessed fluorescent 2' x 2' and 2' x 4' models. To order the Sky lens simply insert your choice of Sky lenses, **S1** or **S2**, into the standard SpecPlus (SPS) Catalog number.

Sky lens 2' x 4' **S1**

Sky lens 2' x 2' **S1**

Sky lens 2' x 4' **S2**

Sky lens 2' x 2' **S2**

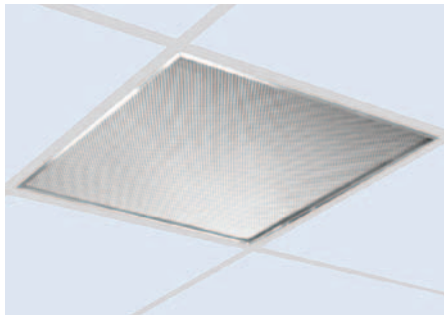
Example

Standard: **SPS2GFS** VA **232UNVHI**
Sky lens: **SPS2GFS** S1 **232UNVHI**

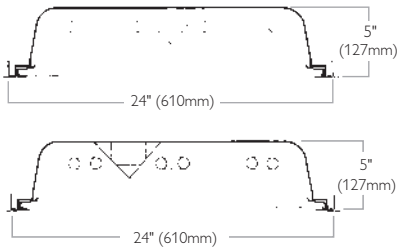
Specplus 2' x 2' & 1' x 4'

Specification grade lensed recessed static luminaires

Specplus has all the features you look for in a TRUE specification grade lens troffer. Our 5" depth reverses the industry trend of making fixtures shallower thus putting the lamps closer to the lens. And there is more.



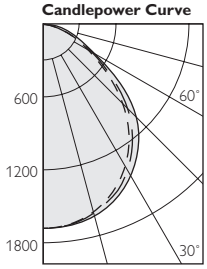
SPS2GFSVA26UUNVHI & SPS2GFSVA32UUNVH3



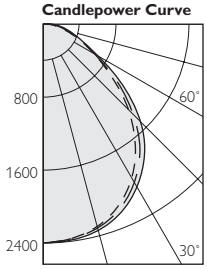
Reference data	
Efficiency	71.6%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	56.3W
Luminaire Eff. (LER)	63.1

Reference data	
Efficiency	67.9%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	76.2W
Luminaire Eff. (LER)	64.1

Candlepower Curve



Candlepower Curve

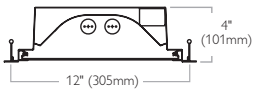


Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
Static	2' x 2'	2-T8U6	**SPS2GFSVA26U**	**SPS2FFSVA26U**
		3-TT5	**SPS2GFSVA3FT**	**SPS2FFSVA3FT**
		3-T8U1.6/	**SPS2GFSVA32U**	**SPS2FFSVA32U**
		3-T8F17	**SPS2GFSVA317**	**SPS2FFSVA317**

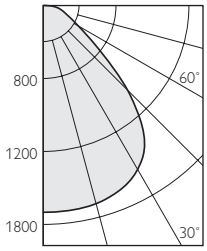
Example	**SPS2GFSVA26U**	**UNV**	**HI**	**A**
	Prismalyte Plus Floating Lens Frame Recessed Fluorescent Troffer	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.125	**Options** See page 4.125 and page 4.130

SPS1GFSVA232UNVHI



Reference data	
Efficiency	69.0%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	55.8W
Luminaire Eff. (LER)	62.0

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
Static	1' x 4'	1-T8	**SPS1GFSVA132**	**SPS1FFSVA132**
		2-T8	**SPS1GFSVA232**	**SPS1FFSVA232**

Example	**SPS1GFSVA232**	**UNV**	**HI**	**A**
	Specplus Lens Frame Recessed Fluorescent Troffer	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.125	**Options** See page 4.125 and page 4.130

Features

- 5" deep body (2' x 2').
- 3 1/16" lamp to lens for better lamp obscuration (2' x 2').
- 71.6% efficient (2-6U T8).
- Clean contoured interior, no holes.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (2' x 2').
- Slimline Door frame with 475 and 1000 square inch lens openings (2' x 2').
- Door jamb finished black on four sides for positive light stop.
- True Mitered corner steel lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.
- Construction to meet Chicago Plenum requirements is available.

Options & accessories page 4.130

Special lenses: VA lens pattern 12 prismatic virgin acrylic is standard. For other available lenses, see options and accessories page.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
1 - 3 Lamp Elec. TT5 40W	**I3***	**X3***
Electronic TT5 40W	**IB***, **PR****	**SB***

* Instant start.

** Program start.

Drywall kit: Conversion kit for 2' x 2' unit: **FK92X2**. Conversion kit for 1' x 4' unit: **FK91X4**.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

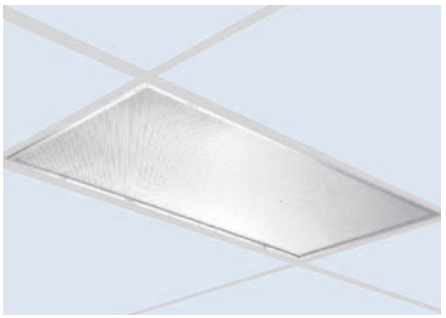
Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF22** for 2' x 2' troffer. Catalog no. **PF14** for 1' x 4' troffer.

Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **2FCTRIM** (each joint - 2' x 2'). Catalog no. **1FCTRIM** (each joint - 1' x 4').

Door frames: SPS2G**FS** (Flat steel door). SPS2G**FA** (Flat aluminum door). SPS2G**RA** (Regressed aluminum door).

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.



XP series 2' x 4'

High perform lensed recessed static luminaires

Philips Lightolier's XP troffer offers high efficiencies and unique features at an affordable price.

Features

- Efficiency: 83.0% (4 lamp), 85.0% (3 lamp), 87.0% (2 lamp).
- Shallow 3" deep housing.
- Ribbed housing for strength and stability.
- Ends of housing formed inward for safe handling.
- Built-in earthquake clips.
- Hemmed-over side rails for safe handling.
- Ends have screw dimples for installation to T-bar (no fixture or ceiling distortion).
- Flat steel or regressed aluminum lens frame with mitered corners.
- Edges of steel or regressed Door frame hemmed-over for safe handling.
- No light leak.
- Internal "T" hinges-easy installation and maintenance.
- Rooster head spring latches.
- Meets code 30 requirements in New England.

Options & accessories page 4.130

Special lenses: VA lens pattern 12 prismatic virgin acrylic is standard. For other available lenses, see options and accessories page.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
1 - 4 Lamp Elec. T8	**H4***, **P4****	**O4***

* Instant start.

** Program start.

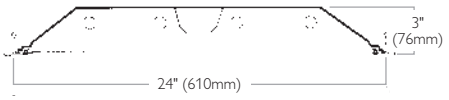
Drywall kit: Catalog no. **FK92X4** with fixtures for drywall or plaster ceilings.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF24** for 2' x 4' troffer.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

XP2GVA432UNVH4



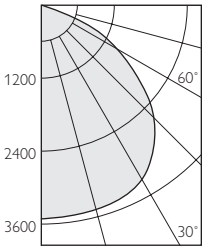
Reference data

Efficiency	83.0%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	112.0W
Luminaire Eff. (LER)	FL - 74.3

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
XP Static	2' x 4'	4-T8	**XP2GVA432**	**XP2FVA432**

Example **XP2GVA432**

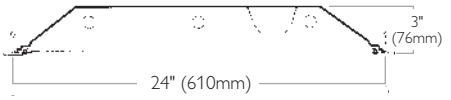
XP
Flat Steel Lens Frame
Recessed Fluorescent Troffer

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

H4
Ballast
See page 4.126

A
Options
See page 4.126 and page 4.130

XP2GVA332UNVH3



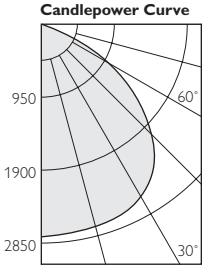
Reference data

Efficiency	85.0%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	85.0W
Luminaire Eff. (LER)	FL - 75.2

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
XP Static	2' x 4'	3-T8	**XP2GVA332**	**XP2FVA332**

Example **XP2GVA332**

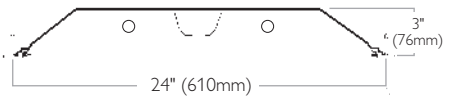
XP
Flat Steel Lens Frame
Recessed Fluorescent Troffer

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

H3
Ballast
See page 4.126

A
Options
See page 4.126 and page 4.130

XP2GVA232UNVHI



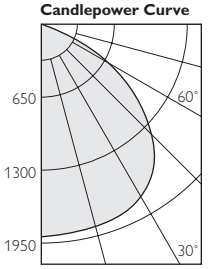
Reference data

Efficiency	87.0%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	58.0W
Luminaire Eff. (LER)	FL - 74.3

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
XP Static	2' x 4'	2-T8	**XP2GVA232**	**XP2FVA232**

Example **XP2GVA232**

XP
Flat Steel Lens Frame
Recessed Fluorescent Troffer

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

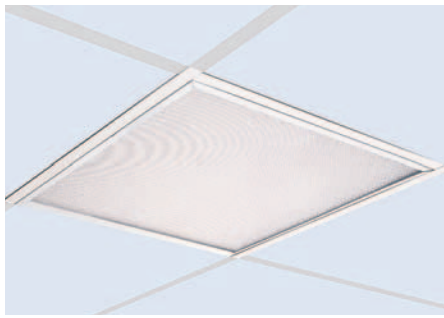
HI
Ballast
See page 4.126

A
Options
See page 4.126 and page 4.130

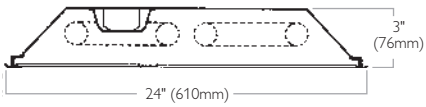
XP/XA series 2' x 2' & 1' x 4'

High perform lensed recessed static luminaires

Philips Lightolier's high performance XP/XA series of lensed troffers offers unique features that outperform and extend more value for money than any other comparable fluorescent troffer.



XP2GVA26UUNVHI



Reference data (SO)

Efficiency	71.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	55.3W
Luminaire Eff. (LER)	62.3

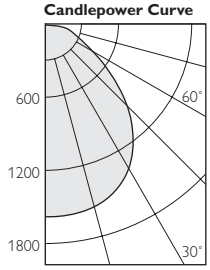
Reference data (SB)

Efficiency	84.1%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	58.0W
Luminaire Eff. (LER)	74.3

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid
XP Static	2' x 2'	2-TT5 2-T8U6	**XP2GVA2FT** **XP2GVA26U**
XA Static	2' x 2'	2-TT5 2-T8U6	**XA2GVA2FT** **XA2GVA26U**

Example **XP2GVA26U** | **UNV** | **HI** | **A**

XP
Flat Steel Lens Frame
Recessed Fluorescent Troffer

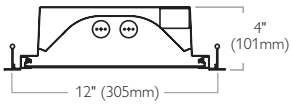
XA
Regressed Aluminum Lens Frame
Recessed Fluorescent Troffer

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

Ballast
See page 4.127

Options
See page 4.127 and page 4.130

XP1GVA232UNVHI



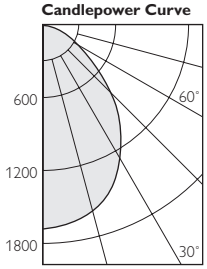
Reference data

Efficiency	69.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	55.8W
Luminaire Eff. (LER)	62.0

Candlepower Curve



Ordering information

Type	Size	Lamps qty–type	Exposed T-Grid	Flanged for dry or plaster
XP Static	1' x 4'	2-T8/T12	**XP1GVA232**	**XP1FVA232**
XA Static	1' x 4'	2-T8/T12	**XA1GVA232**	**XA1FVA232**

Example **XP1GVA232** | **UNV** | **HI** | **A**

XP
Flat Steel Lens Frame
Recessed Fluorescent Troffer

XA
Regressed Aluminum Lens Frame
Recessed Fluorescent Troffer

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

Ballast
See page 4.127

Options
See page 4.127 and page 4.130

Features

- 4" deep (1' x 4'). 3 1/2" deep (2' x 2').
- Fixture side rails have rolled-over edges for maximum safety.
- Built-in earthquake clips.
- Flush steel full-sized Door frame with mitered corner detailing.
- Angle regressed extruded aluminum door option.
- End cap has single form configuration and formed edges for easy lamping and safety.
- Door frame overlaps end cap for positive light stop.
- UL-Listed twin knock-out access plate for easy closed-door wiring.
- Fits new narrow slot grid ceiling systems.

Options & accessories page 4.130

Special lenses: VA lens pattern 12 prismatic virgin acrylic is standard. For other available lenses, see options and accessories page.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Elec. T8	**H3***, **P3****	**O3***
Electronic TT5 40W	**IB***, **PR****	**SB***

* Instant start.

** Program start.

Drywall kit: Catalog no. **FK91X4** or **FK92X2** with fixtures for drywall or plaster ceilings.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Seismic Hold-Down Clip: Suffix: **2HD**.
For 1' x 4', type **G**, factory installed.

Plaster frame: For type **F** troffers, order plaster frames separately. Catalog no. **PF14** for 1' x 4' troffer.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Suffix: **C**.
For products that meet Chicago Plenum requirements.

For NYC code consult factory

FRX 2' x 2'

Recessed luminaires

The FRX Series offers an architecturally decorative lighting element that will enhance your boardrooms, entrances or executive offices. The 2' x 2' frost white acrylic lens with softly rounded edges provides a luminescent glow of light.

Features

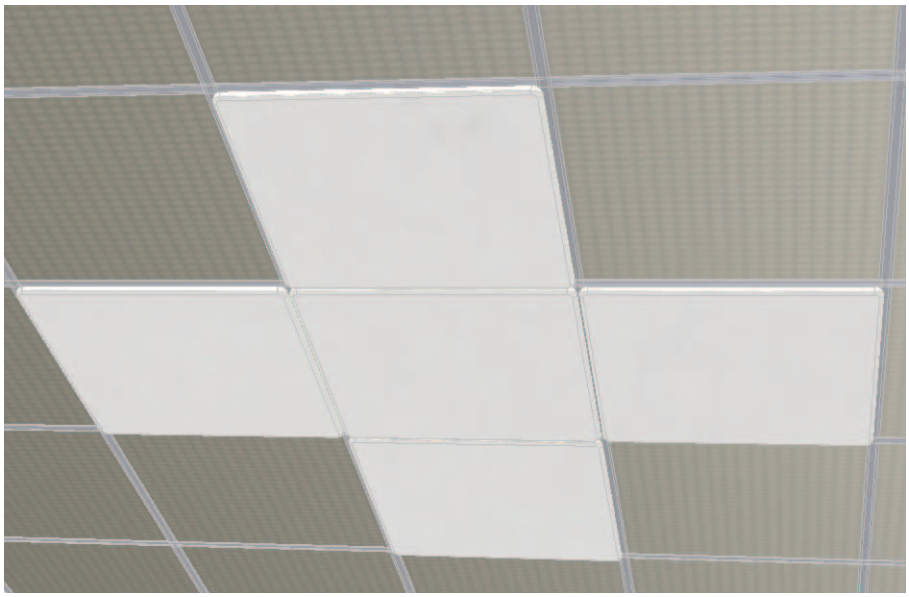
- Creative side-by-side installations can generate rows, squares, rectangles, "+" shapes, "T" shapes and other geometric figures.
- Illuminates both horizontal and vertical surfaces.
- Lens opens from either side.
- Lens utilizes spring loaded latches/hinge.
- 5" deep body.
- Fixture fits a Standard 15/16" or 9/16" T-grid ceiling.

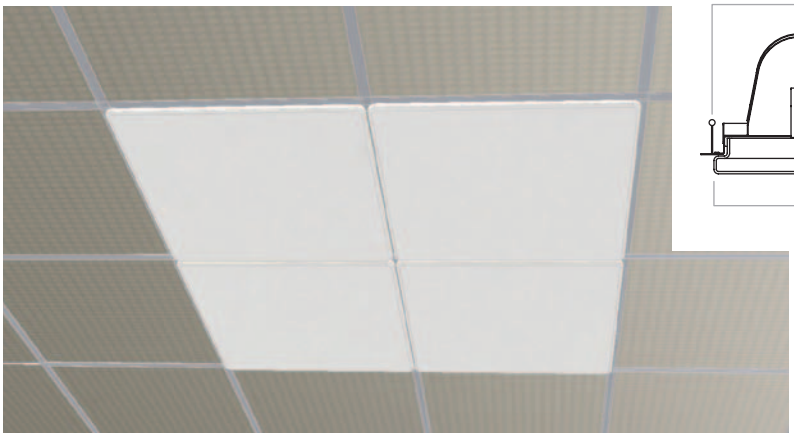
Options & accessories page 4.130

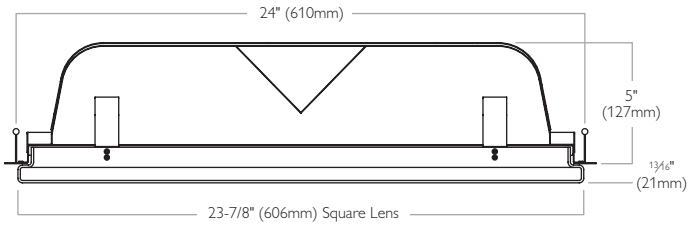
Ballast type	<10THD	<20THD
2 Lamp Elec. T5HO 14/24W	**PG**	–
2 Lamp Elec. TT5 25/40W	**IB***	**SB***
2 Lamp Elec. TT5 40W	**PR****	–
2 Lamp Elec. TT5 50W	–	**BP**
2 Lamp Elec. TT5 55W	**BF**	–
LOL Dimming TT5	–	**PB**
1-2 Lamp Elec. T8	**HI**	**SO**
LOL T8 Dimming	–	**PS**

* Instant start.

** Program start.







Ordering information

Cat. no.	Fixture efficiency	Lamps type	Lamp watts
FRS2GFW2FTUNVIB	74.0%	2-TT5	25W
FRS2GFW26UUNVHI	62.2%	2-6" U T8	
FRS2GFW224UNVPG	66.0%	2-T5HO	24W
FRS2GFW324UNVPG	70.0%	3-T5H0	24W

Ordering information

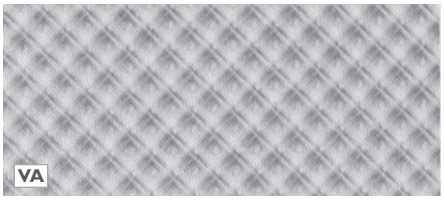
FR	S	2	G	F	W					
Family	**Body style**	**Width**	**Ceiling type**	**Lens style**	**Reflector**	**Lamp qty**	**Lamps**	**Voltage**	**Ballast**	**Options**
FR = FRX	**S** = Static	**2** = 2 Foot	**G** = Standard Grid 15/16" or 9/16" ceiling type	**F** = Frost White Acrylic	**W** = White	**2** = 2 Lamp **3** = 3 Lamp	**FT** = TT5 **6U** = 6" U T8 **14** = 14W T5HO **24** = 24W T5HO (Nominal 24")	**120** = 120V **277** = 277V **UNV**= 120-277V	See page 4.128	See page 4.128 and page 4.130

FRX 2' x 2'

Recessed luminaires

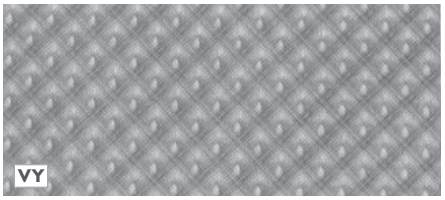
Options & accessories

Fluorescent lenses, diffusers, louvers and recessed luminaire options



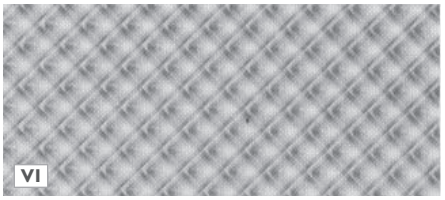
Philips Lightolier Standard Shielding. Extruded virgin acrylic, 3/16" square based female cones, running 45° to the panel edge. .095" nominal thickness (similar to pattern 12).

Catalog no. Substitute: **SPS2GFS VA 332UNVH3**.



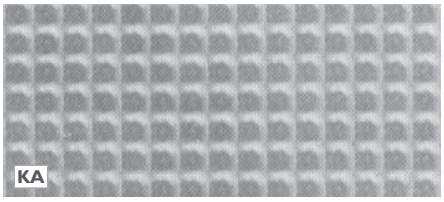
Excellent obscuration and control (similar to K12). .125" nominal thickness, extruded virgin acrylic lens, (average weight per square foot is 7.8 ounces).

Catalog no. Substitute: **SPS2GFS VY 332UNVH3**.



Economy with more rigidity.
.125" nominal thickness, extruded virgin acrylic lens, (average weight per square foot is 6.8 ounces).

Catalog no. Substitute: **SPS2GFS VI 332UNVH3**.

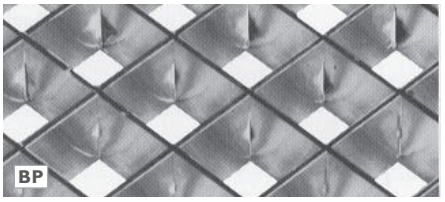


Extruded acrylic, square base male conical prism.
.156" overall thickness (similar to K19 pattern).

Catalog no. Substitute: **SPS2GFS KA 332UNVH3**.

Injection molded acrylic parabolic louver, 1 ½" x 1 ½" x 1" cell size, with silver specular protected by a clear acrylic.

Catalog no. Substitute: **SPS2GFS MC 332UNVH3**.



Injection molded polystyrene plastic, parabolic louver.
½" x ½" x ½" cell size, with metallized specular finish.

Catalog no. Substitute: **SPS2GFS BP 332UNVH3**.

For additional shieldings, consult your local Philips Lightolier Representative.

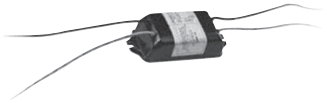
Lamps installed

Consult factory after ascertaining wattage, diameter, color rendering, color temperature.

Internal fusing

A = Internal fast-blow fusing.
C = Internal slow-blow fusing.

e.g: **SPS2GFSVA332UNVH3 A**



Radio interference filter

R = Inductive capacitor circuit designed to minimize interference from line radiation or feedback.

120 or 277 volt at 50 or 60Hz.

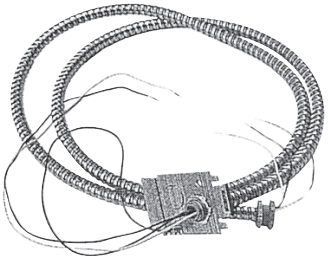
e.g: **DPA2G18LS332120O3 R**
(one per fixture **R**)

e.g: **DPA2G18LS332120SO B**
(one per ballast **B**)

Fluorescent emergency lighting system

EM = EM Factory-installed emergency power battery pack with charger and inverter, B100 or equal, 120V or 277V.

e.g: **SPS2GFSVA332120O3 EM**



Prewiring

FF6; **FF14** 3/8" factory prewired cable wired into fixture. Configurations available in various wire gauges, numbers of wires and lengths up to 6'.

e.g: **DPA2G18LS332UNVH3 FF6**
(3 #18 AWG leads, 6' long);

e.g: **e.g: DPA2G18LS332INVHI FF14**
(4 #18 AWG leads, 6' long).

e.g: **DPA2G18LS332120SOEM FF92**
(5 #18 AWG leads, 6' long).

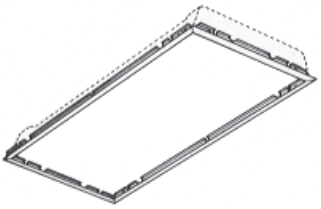
Job-packed

J = Uncartoned fixtures on pallets are secured by heavy-duty corrugated protectors.

31" x 50" x 78"

e.g: **DPA2G18LS332UNVH3 J**

* Consult factory for quantities



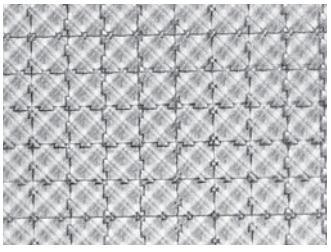
Flange kit

Attaches to Philips Lightolier recessed bodies, except **XP** and **XA**.

2 x 4 = **S2X4F** Kit
2 x 2 = **S2X2F** Kit
1 x 4 = **S1X4F** Kit
see folio OA30-30

For continuous rows, half-width flanges are required between fixtures.

2' = **2FCTrim**
1' = **1FCTrim**



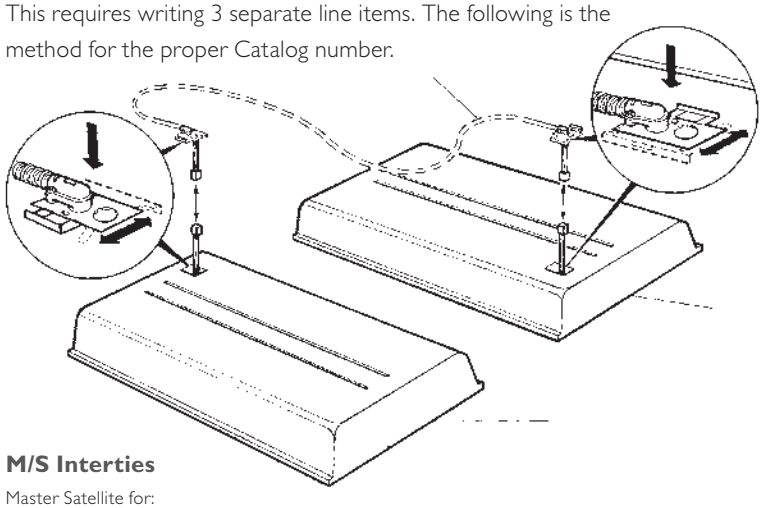
Radio frequency shielding

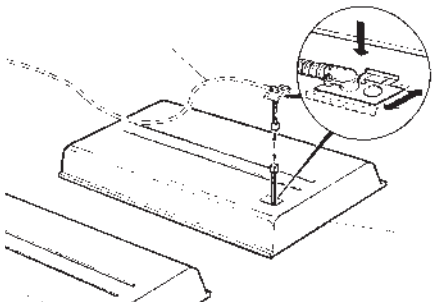
For hospitals, TV stations or wherever sensitive electronic equipment is in use. Consult factory.

M/S interties

Quick connect interties for master/satellite troffers

Master/satellite troffers are quoted as a single line item, but are shipped as 3 line items to a job, the Master Troffer, the Satellite Troffer and the Intertie. All are bulk packed. This requires writing 3 separate line items. The following is the method for the proper Catalog number.





Features

- Quick connect plug-in.
- Snap-in access plate for easy connection.
- Polarized nylon plugs for positive error free connections.
- 90° connectors fit shallow plenums.
- Reduced installation labor costs.
- Fits CF, DP, SP, MP, LC, LI, MB, PP, PR, VP, XP, XA and VR troffer families.
- Master/satellite requires fewer ballasts reducing energy costs.

M/S Interties

Master Satellite for:
CF, **DP**, **SP**, **MP**, **LC**, **LI**, **PP**, **PR**, **VP**, **XP**, **XA** and **VR** Series

Instant start	**(1) 2 lamp electronic ballast**		
INT09I2XXXX		2-1 Lamps Units	9' length
INT11I2XXXX		2-1 Lamps Units	11' length
Instant start	**(1) 4 lamp electronic ballast**		
INT09I4XXXX		2-2 Lamps Units	9' length
INT11I4XXXX		2-2 Lamps Units	11' length
Instant start	**(1) 4 lamp and 2 lamp electronic ballast**		
INT09I42XIO		2-3 Lamps Units	9' length
INT11I42XIO		2-3 Lamps Units	11' length
Program start	**(1) 2 lamp electronic ballast**		
INT09P2XXXX		2-1 Lamps Units	9' length
INT11P2XXXX		2-1 Lamps Units	11' length
Program start	**(1) 4 lamp electronic ballast**		
INT09P4XXXX		2-2 Lamps Units	9' length
INT11P4XXXX		2-2 Lamps Units	11' length
Instant start	**(2) 2 lamp electronic ballast for tandem Inline**		
INT09I22XTI		2-2 Lamps Units	9' length
INT11I22XTI		2-2 Lamps Units	11' length

Program start also available in tandem inline replace **I** with **P** (e.g: **INTO9P22XT**[**I**]).

Typical Master Troffer Catalog no.
(e.g: Deepcel Family = **DPA2G18LS332120SO2XX**)

DPA2G18LS [ ] [ ] [ ] [ ] [ ]

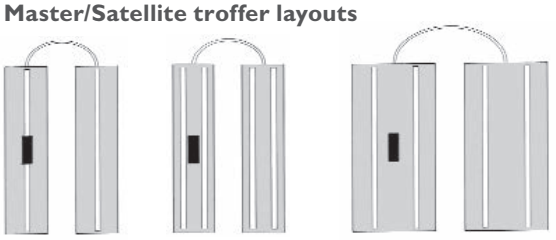
Lamp Qty	**Lamp Type**	**Voltage**	**Ballast Type**	**Ballast Qty** (1' x 4' only)
2 = 2 Lamp	**32** = T8	**120** = 120V	**SO** = 20THD	**2X** = 1-2 Lamp (2' x 2'/2' x 4')
3 = 3 Lamp		**277** = 277V	**HI** = 10THD	**22** = 2-2 Lamp
4 = 4 Lamp				**4X** = 1-4 Lamp
				42 = 1-2 Lamp & 1-4 Lamp (**IS** only)
				44 = 2-4 Lamp (**IS** only)

Typical Satellite catalog no.
(e.g: Deepcel Family = **DPA2G18LS332XXXSO42X**)

DPA2G18LS [ ] [ ] [ ]

No Ballast	**Ballast in master troffer**	**Must match ballast quantity code in master troffer Catalog number**
	SO = 20THD	
	HI = 10THD	

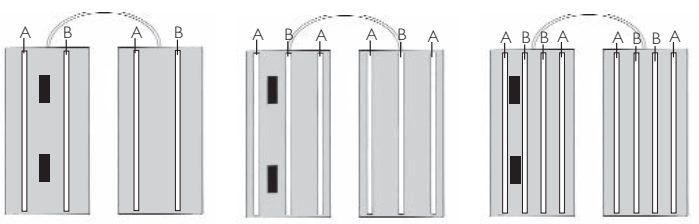
Master/Satellite troffer layouts



(1' x 4' 1-Lamp Troffers)
1-2 Lamp Ballast
XX=All Lamps On

(1' x 4' 2-Lamp Troffers)
1-4 Lamp Ballast
XX=All Lamps On

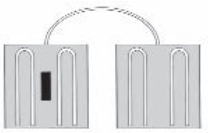
(2' x 4' 2-Lamp Troffers)
1-4 Lamp Ballast
XX=All Lamps On



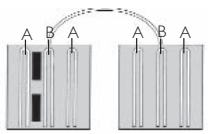
(2' x 4' 2-Lamp Troffers)
1-2 Lamp Ballast (A)
1-2 Lamp Ballast (B)
TI =Tandem inline

(2' x 4' 3-Lamp Troffers)
1-2 Lamp Ballast (B)
1-4 Lamp Ballast (A)
IO=Inboard/Outboard Lamps On

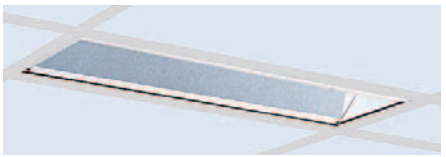
(2' x 4' 4-Lamp Troffers)
1-4 Lamp Ballast (A)
1-4 Lamp Ballast (B)
IO=Inboard/Outboard Lamps On



(2' x 2' 2-Lamp Troffers)
1-4 Lamp Ballast
XX=All Lamps On



(2' x 2' 3-Lamp Troffers)
1-2 Lamp Ballast (B)
1-4 Lamp Ballast (A)
IO=Inboard/Outboard Lamps On



Wal-Lyter high performance 2' & 4'

Recessed wall washer/accent luminaires

Wal-Lyter is a high performance wall-washer that delivers an exceptionally even wash of light from the ceiling line to the floor line utilizing TT5 (Biax Type) compact fluorescent lamps. It is much more efficient and more cost effective than most incandescent units producing equivalent illumination. Wal-Lyter is ideal for highlighting merchandise displays, brightening the walls in offices illuminating with sharp cut-off parabolics and for many other wall lighting applications.

Features

- Low iridescent specular reflector system for precise controlled light output.
- Evenly lights vertical surfaces or displays.
- 87% energy savings vs. incandescent.
- 1,250 lumen (18 watt), 3150 lumen (40 watt) Biax type lamp requires fewer fixtures to provide the same wall illumination as a 60 watt incandescent wallwasher.
- 20,000 hours lamp life requires less maintenance than incandescent wallwasher.
- Fits all lay-in grid ceiling systems.
- One-piece body and integral hanger for easy, quick installation.
- UL-Listed access plate.
- Meets NYC Code requirements.
- WLRK lens, extruded acrylic (similar to K19 pattern), see page 4.130.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **120SB**.

Ballast type

Electronic		PowerSpec HDF dimming	
18W TT5	**BA**	40W TT5	**PB**
24W TT5	**BB**		
40W TT5	**IB***, **PR****		
50W TT5	**BE**		
55W TT5	**BF**		

* Instant start.

** Program start.

Drywall kit: Catalog no. **WL2DF/UNV** with 2' fixtures and **WL4DF/UNV** with 4' fixtures.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

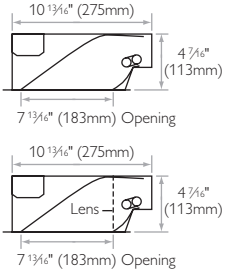
Radio interference filter: Suffix: **R**. 120 or 277 volt at 50 or 60Hz.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

Chicago Plenum: Consult factory.

WLRN124UNVPR

2' fixture, 1 lamp 40 watt TT5

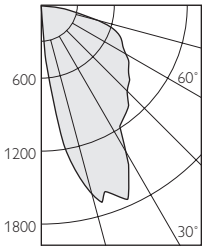


Ordering information

Lamps qty–type	Lamp watts	No lens cat. no.	With lens cat. no.
1-TT5	18W	**WLRN121**	**WLRK121**
	24W	**WLRN122**	**WLRK122**
	40W	**WLRN124**	**WLRK124**
	50W	**WLRN125**	**WLRK125**
	55W	**WLRN126**	**WLRK126**

Nominal Length 24" Units

Candlepower Curve

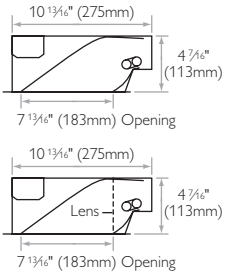


Footcandles on wall: Fixtures 3 feet from wall to outside trim on lamp side of fixture (without lens)

	Individual Wal-Lyter									Multiple Units													
	0'	1'	2'	3'	4'	5'	6'	7'	8'	4'					6'								
Ceiling																							
8'	76	67	46	25	14	8	5	4	3	107	104	102	104	107	86	79	63	50	63	79	86		
7'	64	60	46	29	17	10	7	5	4	102	104	106	104	102	78	75	67	58	67	75	78		
6'	47	44	36	24	17	12	8	6	4	85	86	88	86	85	63	62	57	48	57	62	63		
5'	33	34	29	24	14	10	8	6	5	66	74	74	74	66	49	50	48	48	48	50	49		
4'	26	28	23	20	14	11	8	6	5	59	65	62	65	59	42	45	42	40	42	45	42		
3'	19	21	20	17	12	9	8	6	5	48	53	56	53	48	35	36	37	34	37	36	35		
2'	15	16	15	13	11	9	8	6	5	42	44	46	44	42	31	31	31	26	31	31	31		
1'	13	12	11	11	10	8	7	6	5	38	37	36	37	38	28	26	26	22	26	26	27		
Floor																							

WLRN244UNVPR

4' fixture, 2 lamp 40 watt TT5

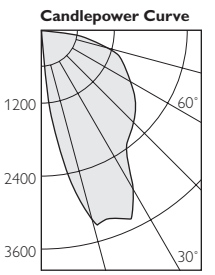


Ordering information

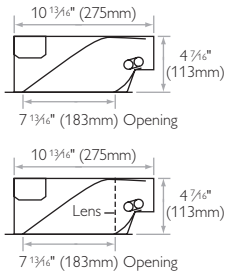
Lamps qty–type	Lamp watts	No lens cat. no.	With lens cat. no.
2-TT5	18W	**WLRN241**	**WLRK241**
	24W	**WLRN242**	**WLRK242**
	40W	**WLRN244**	**WLRK244**
	50W	**WLRN245**	**WLRK245**
	55W	**WLRN246**	**WLRK246**

Nominal Length 48" Units

Candlepower Curve



WLRN241UNVPR



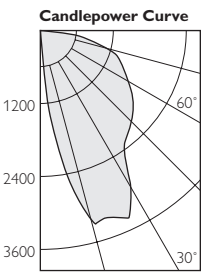
Ordering information

Lamps qty–type	Lamp watts	No lens cat. no.	With lens cat. no.
2-TT5 Twin tube	18W	**WLRN241** –	– **WLRK241**

Nominal Length 48" Units

Integral hanger fixture: installs easily with adjustable integral hanger that clamps to T bar. Wire fixture through access plate without opening lamp compartment.

Candlepower Curve



Footcandles on wall fixtures: 3 feet from wall to outside trim on lamp side of fixture (without lens)

	Individual Wal-Lyter								
	0'	1'	2'	3'	4'	5'	6'	7'	8'
Ceiling									
8'	111	101	75.5	47.8	28.3	18.1	13.2	10.4	8.7
7'	113	104	81.7	55.7	35.5	23.5	16.6	12.5	9.8
6'	86.4	81.0	66.9	49.8	34.8	24.6	17.7	13.4	10.4
5'	62.5	59.1	51.4	41.6	31.9	24.3	18.4	13.9	10.7
4'	50.5	48.6	42.9	35.6	28.7	22.6	18.0	14.3	11.1
3'	39.7	38.5	34.9	30.0	25.1	20.6	16.9	14.1	11.4
2'	31.1	30.3	28.1	25.0	21.7	18.5	15.7	13.4	11.1
1'	24.2	23.6	22.5	20.8	18.7	16.6	14.6	12.8	11.0
Floor									

Example

WLRN124	UNV	PR	A
Wal-Lyter High Performance Wall Washer	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.132	**Options** See page 4.132 and page 4.130

Walmaster 2' & 4'

Recessed wall washer/accent luminaires

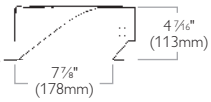
Walmaster is a high performance luminaire with low-iridescence semi-specular reflectors that do not protrude below the ceiling line. This provides a clean appearance while controlling the light output of a T8 or TT5 (twin tube) lamp to illuminate vertical surfaces uniformly.

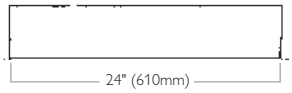
Features

- Low iridescent specular reflector system for precise controlled light output.
- Evenly lights vertical surfaces or displays (no scallops).
- 87% energy savings vs. incandescent.
- Less than 3:1 maximum to minimum wall illumination when installed 6 feet on center.
- 20,000 hours lamp life requires less maintenance than incandescent.
- No edges protrude below ceiling line.
- Can be installed only 2 feet from wall to farthest edge of fixture (3' maximum).
- Fits all standard and narrow grid ceiling systems.
- One-piece body and integral hanger for easy, quick installation.
- Sides of fixture can support tile or sit on T-bar.
- UL Listed access plate.
- Meets NYC Code requirements.

WMRL124UNVPR

2' fixture, 1 lamp 40 watt TT5

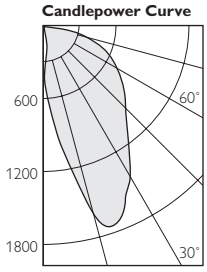


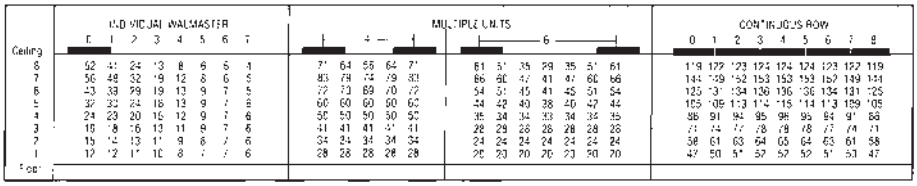


Ordering information

Lamps qty–type	Lamp watts	Catalog number
1-TT5	18W	**WMRL121**
	24W	**WMRL122**
	40W	**WMRL124**
	50W	**WMRL125**
	55W	**WMRL126**

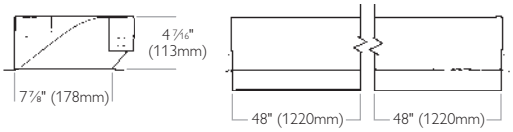
Nominal Length 24" Units





WMRL244UNVPR

4' fixture, 2 lamp 40 watt TT5

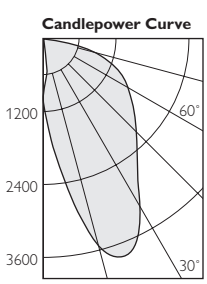


Ceiling	Individual Wal-Lyter 0'	1'	2'	3'	4'	5'	6'	7'	8'
8'	116	88	51	30	19	13	13	10	8
7'	119	102	71	45	29	19	19	14	11
6'	92	83	64	45	31	22	22	16	12
5'	69	64	53	40	30	22	22	16	13
4'	52	50	43	35	27	21	21	17	13
3'	40	39	35	30	24	19	19	16	13
2'	32	31	29	25	21	17	17	15	12
1'	26	25	23	21	18	15	15	13	12
Floor									

Ordering information

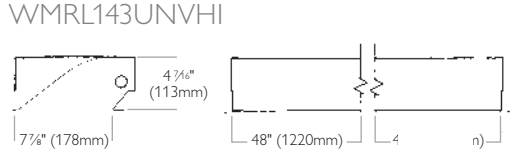
Lamps qty–type	Lamp watts	Catalog number
2-TT5	18W	**WMRL241**
	24W	**WMRL242**
	40W	**WMRL244**
	50W	**WMRL245**
	55W	**WMRL246**

Nominal Length 48" Units



WMRL143UNVHI

4' fixture, 1 lamp 32 watt T8

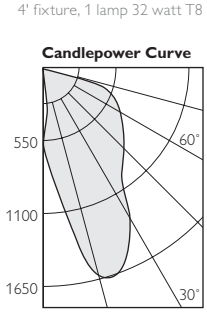


Ceiling	Individual Wal-Lyter 0'	1'	2'	3'	4'	5'	6'	7'
8'	49	38	21	12	8	5	4	3
7'	49	42	29	18	12	8	6	4
6'	36	33	25	18	12	8	6	5
5'	27	25	21	16	12	9	7	5
4'	21	20	17	14	11	8	7	5
3'	16	16	14	12	9	8	6	5
2'	13	13	12	10	9	7	6	5
1'	11	10	10	9	8	6	6	5
Floor								

Ordering information

Lamps qty–type	Lamp watts	Catalog number
1-T8	32W	**WMRL143**

Nominal Length 48" Units



Example **WMRL124** | **UNV** | **PR** | **A**

WMRL124 Walmaster — High Performance Wall Washer

UNV Voltage — **120** = 120V; **277** = 277V; **UNV**= 120-277V

PR Ballast — See page 4.133

A Options — See page 4.133 and page 4.130

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **120SB**.

Ballast type

Electronic		PowerSpec HDF dimming	
18W TT5	**BA**	40W TT5	**PB**
24W TT5	**BB**	T8	**PS**†
40W TT5	**IB***, **PR****		
50W TT5	**BP**		
55W TT5	**BF**		
T8	**HI***		

* Instant start. † 4' unit only

** Program start.

Drywall kit: Catalog no. **WL2DF/UNV** with 2' fixtures and **WL4DF/UNV** with 4' fixtures.

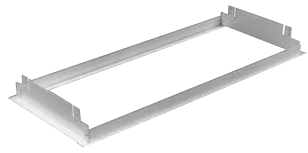
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

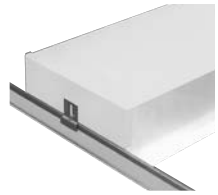
Drywall kit:

WL2DF/UNV with 2' fixtures

WL4DF/UNV with 4' fixtures



Integral Hanger Fixture: installs easily with adjustable integral hanger that clamps to T bar. Wire fixture through access plate without opening lamp compartment.

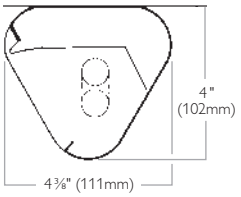


Bi-lyter 2' & 4'

Surface wall washer or indirect wall mount luminaires

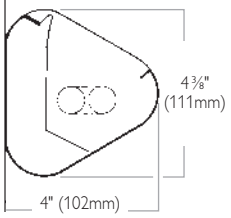
BLSF124120SB

Ceiling



Wall washer

Wall

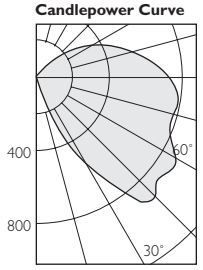


Indirect wall mount

Ordering information

Length	Lamps qty–type	Lamp watts	Catalog number
24"	1-TT5	18W	**BLSF121**
		24W	**BLSF122**
		40W	**BLSF124**
		50W	**BLSF125**
		55W	**BLSF126**
48"	2-TT5	18W	**BLSF241**
		24W	**BLSF242**
		40W	**BLSF244**
		50W	**BLSF245**
		55W	**BLSF246**
48"	1-T8	32W	**BLSF143**

Candlepower Curve



Example

BLSF124	120	SB	A
Bi-lyter Surface Wall or Ceiling Mounted	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.134	**Options** See page 4.134 and page 4.130

For flat white finish order **BLSF**. (e.g: **BLSF126120SB**)

Features

- Same fixture can be used as a wall washer when ceiling mounted, or for indirect lighting when wall mounting.
- Only 4" deep.
- Meets ADA when wall mounted.
- Soft rounded corners and edges create an elegant appearance.
- 20 gauge cold rolled steel body.
- Specular reflector.
- No visible hardware.
- 4' unit 2-TT5 or 1-T8 lamp.
- 2' unit TT5 lamp.
- Flat white baked acrylic finish (standard).
- Can be used in continuous rows. Consult factory.
- Meets NYC Code requirements.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
TT5	**IB***	**SB**
T8	**HI***	**SO***

* 4' unit only

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Wall mount spacer: Order **BL spacer.** For uneven walls or a floating visual effect.

Continuous row coupler: Order **BL coupler**.

T-Grid mounting: Order **BL mount**.

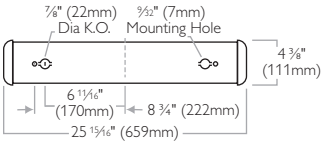
Footcandles on wall: Fixtures 3 feet from wall to outside trim on lamp side of fixture (Wall Washer)

	Individual Wal-Lyter									Multiple Units									Continuous Row								
	0'	1'	2'	3'	4'	5'	6'	7'	8'	4'					6'				0'	1'	2'	3'	4'	5'	6'	7'	8'
Ceiling																											
8'	4	5	6	9	14	25	46	72	86	100	98	92	98	100	93	82	60	50	60	82	93	157	184	199	204	207	204	199	184	157
7'	4	5	6	9	14	24	40	60	70	83	84	81	84	83	76	69	54	47	54	69	76	134	158	170	176	178	176	170	158	134
6'	4	5	6	9	13	20	31	42	47	59	63	63	63	59	53	51	44	41	44	51	53	101	118	128	134	135	134	128	118	101
5'	4	5	6	7	10	16	22	27	30	40	43	43	43	40	35	35	32	31	32	35	35	71	82	89	93	94	93	89	82	71
4'	3	4	5	6	8	10	13	15	17	24	26	26	26	24	21	21	21	21	21	21	21	45	51	55	57	58	57	55	51	45
3'	3	3	4	5	6	7	8	9	9	15	16	16	16	15	13	14	14	14	14	14	13	30	33	35	36	36	36	35	33	30
2'	3	3	3	4	4	5	5	6	6	10	10	11	10	10	9	9	9	9	9	9	9	21	23	24	25	25	25	24	23	21
1'	2	3	3	3	3	4	4	4	4	8	8	8	8	8	7	7	7	7	7	7	7	17	17	18	18	19	18	18	17	17
Floor																														

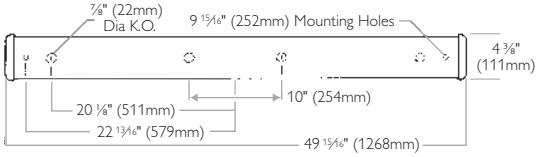
Small office application

Only four By-Lyters 55 watt lamp are required to illuminate a 12' x 12' (80/80/50) office space to 50 maintained footcandles with only 1.68 watts per square foot.

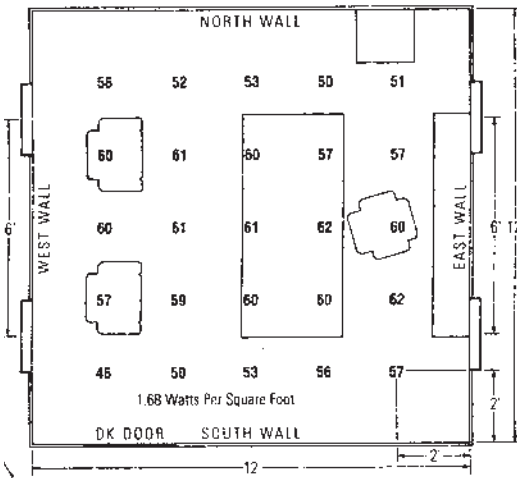
2" Unit



4" Unit



12'x12' Office Space/9' Ceiling Height
Reflectance: 80% Ceiling, 80% Wall, 50% Floor



Luminaire: mounted 18" from ceiling 12' x 12' Office Space with a 9' Ceiling Height

Reflectance: 80% Ceiling, 80% Wall, 50% Floor.

Reported numbers are maintained footcandles at desk top level with 55 watt lamp. Footcandle readings will vary depending on room reflectance.

Medical luminaires

Contents

MD*4 & MD*2 > 4.138
MD* Coffer > 4.140
MD*A Assymetric > 4.142
OBL & SUS 432/632 > 4.144

Medical luminaires

Hospital patient room lighting

Philips Lightolier's MD* series luminaires combine all of the lighting functions in a patient's room into a single, ceiling-mounted luminaire. Removing lighting from walls and other locations where it may be interfering with equipment and prone to damage. It supports a friendly and more residential design for the entire room.

MD*4 installs at the edge of the ceiling and provides ambient, reading, examination, and night lighting – all from carefully shielded sources. MD*Coffer installs 12-18" from the wall and provides the same lighting functions, using an indirect coffer for the ambient and reading light.

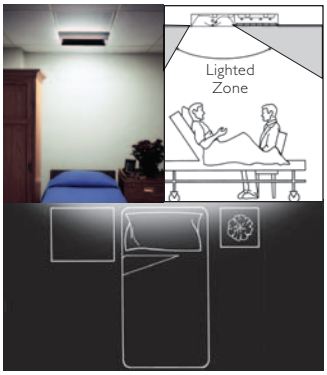
Medical luminaires

Hospital patient room lighting

MD* Coffer style

MD* Coffer

- Indirect ambient light with perforated mesh shield.
- Four integral lighting functions: indirect ambient, direct reading, examination and optional night light.
- Installs as a one-piece unit.
- Precise light control for glare-free patient environment.
- Recessed or surface mounted to ceiling which eliminates damage to fixture from hospital equipment attached to patient's bed.
- Optional low voltage electronic sequential switch mounted in fixture for ambient and reading light controlled with pillow speaker (optional by others).
- Meets NYC Code requirements. Chicago Plenum requirements available.
- 6⅞" deep.
- All lamps are shielded.
- All twin tube T5 lamps are accessible for relamping without tools.



MD*4 Series

- Four lighting functions with integral ambient, reading, examination and optional night light.
- Installs as a one-piece unit.
- Precise light control for glare free patient environment.
- Recessed or surface mounted to ceiling against wall directly behind patient which eliminates damage to fixture from hospital equipment attached to patients bed.
- Optional low voltage electronic sequential switch mounted in fixture for ambient and reading light controlled with pillow speaker (optional by others).
- Meets NYC Code requirements. Chicago Plenum requirements available.
- 6⅞" deep.
- All lamps are enclosed.
- All twin tube T5 lamps are accessible for relamping without tools.

MD*4 Style 3 (AW option)

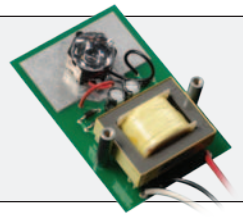
All components white

For single patient room

MD*4 Style 2 (FF option)

White louver and horizontal surfaces to blend with ceiling

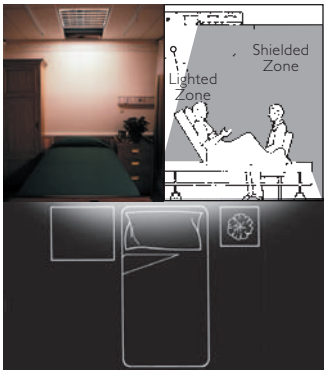
For multiple patient room

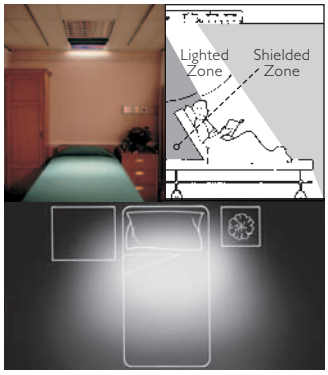


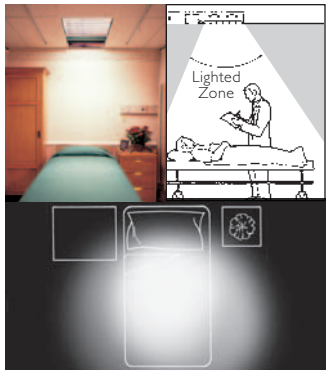
Optional LED Night Light

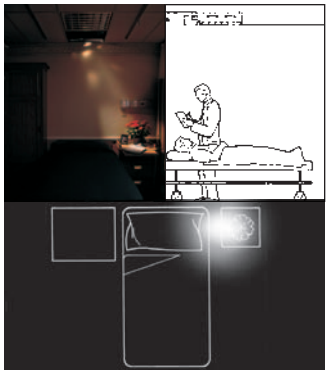
Night Light: 120V or 277V, 3 watt, cool white LED (50,000 hours life - supplied with fixture).

Suffix: LD (available on **MD*4** only).









MD*4 series 2' x 4'

Multi-function patient room luminaire
(ambient/reading/examination/nurse's night light)

MD*4 combines all of the lighting functions in a patient's room in a single luminaire that is ceiling mounted to permit clean headwalls. This enables architects and interior designers to create a more home-like environment and moves the light luminaire off the wall, a location where it can be damaged easily or interfere with medical equipment. MD*4 is more efficient and more economical than all other patient lighting systems.

Features

- 2 x 4 Unit has four lighting functions with integral ambient, reading, examination and optional nurse's night light.
- Specular aluminum reflectors for precise light control and glare free patient environment.
- Installs as a one-piece unit. Recessed or surface mounted to ceiling against wall directly behind patient.
- Eliminates damage to luminaire from hospital equipment attached to patient bed.
- 6 ⅞" deep.
- Top wiring access plate is standard.
- All lamps are enclosed.
- All TT5 type lamps (not included) are accessible for relamping without tools.
- Rugged 20 gauge steel housing.
- Optional low voltage (1-3 volts) electronic sequential switch mounted in luminaire for ambient and reading light controlled with pillow switch (by others).
- Examination Light in 2 x 4 has 36 cell specular aluminum parabolic louver with pattern 12 lens overlay.

Options & accessories

Electronic (low voltage) sequential switch: Switch factory mounted in luminaire for ambient and reading light convenience (controlled by pillow switch, by others). Suffix: **SW**.

Nurse night light: 120V medium base, narrow spot, 50W PAR 20 reflector lamp included with specular anodized mirror, field adjustable to right or left side of patients bed. Suffix: **NL**. The LED Night Light 120Volt, 3W, cool white LED (50,000 hours life - supplied with fixture). Suffix: **LD**

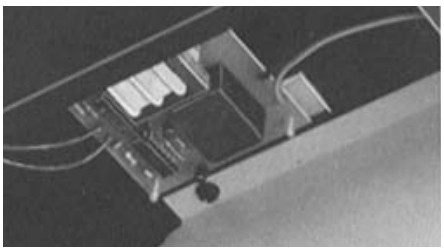
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).

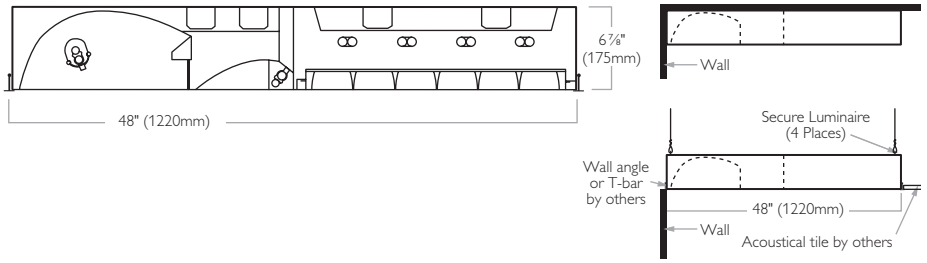
Tamper proof: Order Germ Shield.

Germ shield: Order Cat. no., **MD4CLGS24** (2x4). Germshield can only be used with recessed **MD*4**.

Sequential switch (SW)

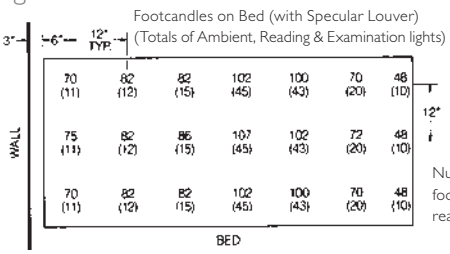


MD*4 2' x 4'



Examination light

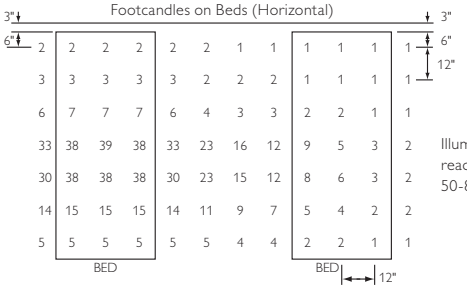
- Excellent color rendition. (82 CRI TT5 Type lamp).
- Wired for independent switching (1 or 2 circuit).



Numbers in parenthesis ( ) are total footcandle level of ambient and reading lights only.

Reading light

- Eliminates reflected glare from reading material (over the shoulder illumination).
- No direct glare to patient or visitors. (7 footcandles maximum at head of bed. 15 footcandles maximum at foot of bed.).
- Controls light directly onto patients bed.
- No reading light spill-over to adjacent beds. (1 footcandle maximum at head of adjacent patient's bed.)



Illumination at the reading task ranges 50-80 footcandles.

Ordering information

Type	Cells	Examination light shielding	Lamps qty–type*	Ballast type	Grid ceiling
MD*4 2x4 Ambient, Reading and Examination Light	36	Traditional Specular Louver	6-TT5 5-TT5	40W Electronic	**MD4GPSVA2SB4SB** **MD4GPSVA2SB3SB**
	36	Louver with all White Components	6-TT5 5-TT5	40W Electronic	**MD4GAWVA2SB4SB** **MD4GAWVA2SB3SB**
	36	White Louver with White Horizontal Surface	6-TT5 5-TT5	40W Electronic	**MD4GFFVA2SB4SB** **MD4GFFVA2SB3SB**

* Include 2-TT5 for ambient / reading section.

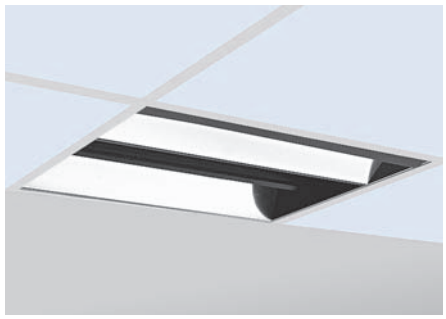
Example **MD4GPSVA2SB4SB**

MD*4	**120**	**SW**		**A**
Multi-function Examination Luminaire	**Voltage** **120** = 120V **277** = 277V	**Options** **SW**= Electronic Sequential Switch	**Options** **LD** = 3W LED Nurses Night Light	**Options** See page 4.138

MD*2 series 2' x 2'

Multi-function patient room luminaire (ambient/reading/nurse's night light)

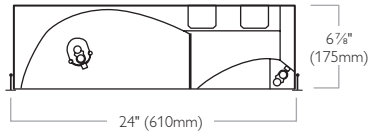
MD*4 combines all of the lighting functions in a patient's room in a single luminaire that is ceiling mounted to permit clean headwalls. This enables architects and interior designers to create a more home-like environment and moves the light luminaire off the wall, a location where it can be damaged easily or interfere with medical equipment. MD*4 is more efficient and more economical than all other patient lighting systems.

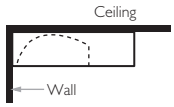


Features

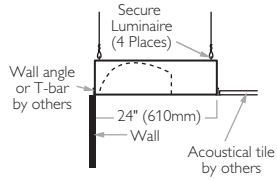
- 2 x 2 Unit has three lighting functions with integral ambient, reading, and optional nurse's night light.
- Specular aluminum reflectors for precise light control and glare free patient environment.
- Installs as a one-piece unit. Recessed or surface mounted to ceiling against wall directly behind patient.
- Eliminates damage to luminaire from hospital equipment attached to patient bed.
- 6 ⅞" deep.
- Top wiring access plate is standard.
- All lamps are enclosed.
- All TT5 type lamps (not included) are accessible for relamping without tools.
- Rugged 20 gauge steel housing.
- Optional low voltage (1-3 volts) electronic sequential switch mounted in luminaire for ambient and reading light controlled with pillow switch (by others).

MD*2 2' x 2'



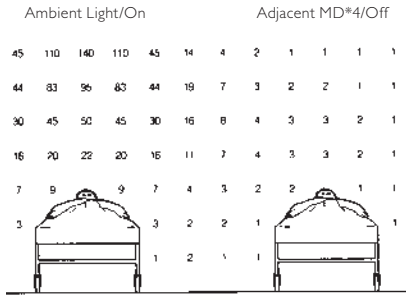


2 types of lighting: ambient & reading



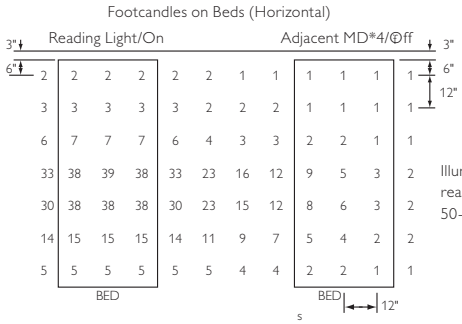
Ambient light

- Indirect illumination from wall directly behind patient provides glare-free lighting.
- No direct glare to patient (Light is directed towards wall).
- No direct glare to patients visitor.
- No direct glare to adjacent patients. (3 footcandles maximum on wall behind adjacent patient's bed.)



Reading light

- Eliminates reflected glare from reading material (over the shoulder illumination).
- No direct glare to patient or visitors. (7 footcandles maximum at head of bed. 15 footcandles maximum at foot of bed.).
- Controls light directly onto patients bed.
- No reading light spill-over to adjacent beds. (1 footcandle maximum at head of adjacent patient's bed.)



Illumination at the reading task ranges 50-80 footcandles.

Options & accessories

Electronic (low voltage) sequential switch: Switch factory mounted in luminaire for ambient and reading light convenience (controlled by pillow switch, by others). Suffix: **SW**.

Nurse night light: 120V medium base, narrow spot, 50W PAR 20 reflector lamp included with specular anodized mirror, field adjustable to right or left side of patients bed. Suffix: **NL**. The LED Night Light 120Volt, 3W, cool white LED (50,000 hours life - supplied with fixture). Suffix: **LD**

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).

Tamper proof: Order Germ Shield.

Germ shield: Order Cat. no., **MD4CLGS22** (2x2). Germshield can only be used with recessed **MD*2**.

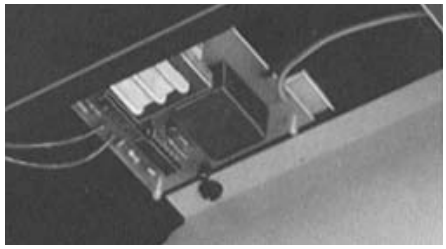
Ordering information

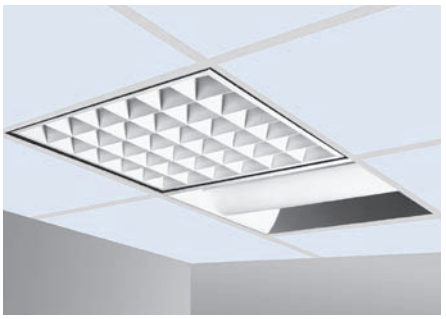
Type	Lamps qty–type	Ballast type	Grid ceiling
MD*2 2x2 Ambient and Reading Light	2-TT5	40W Electronic	**MD2G2SB**

Example

MD2G2SB	120	SW		A
MD*2 Multi-function Patient Luminaire	**Voltage** **120** = 120V **277** = 277V	**Options** **SW**= Electronic Sequential Switch	**Options** **LD** = 3W LED Nurses Night Light	**Options** See page 4.139

Sequential switch (SW)





MD* Coffer 2' x 4'

Multi-function patient room luminaire
(ambient/reading/examination/nurse's night light)

MD* Coffer combines all of the lighting functions in a patient's room in a single luminaire that is ceiling mounted to permit clean headwalls. This enables architects and interior designers to create a more home like environment and moves the light luminaire off the wall, a location where it can be damaged easily or interfere with medical equipment. MD*Coffer is more efficient and more economical than all other patient lighting systems.

Features

- 2 x 4 Unit has four lighting functions with integral ambient, reading, examination and optional nurse's night light.
- Specular aluminum reflectors for precise light control and glare free patient environment.
- Installs as a one-piece unit. Recessed or surface mounted to ceiling against wall directly behind patient.
- Eliminates damage to luminaire from hospital equipment attached to patient bed.
- Top wiring access plate is standard.
- All TT5 type lamps (not included) are accessible for relamping without tools. All lamps are enclosed.
- Rugged 20 gauge steel housing.
- Optional low voltage (1-3 volts) electronic sequential switch mounted in luminaire for ambient and reading light controlled with pillow switch (by others).
- Examination Light in 2 x 4 has 36 cell flat white baked enamel louver with pattern 12 lens overlay.
- Perforated mesh shield for ambient / reading section.

Options & accessories

277V: Change 120 to 277 (e.g. MDCGWSVA2SB4SB**120**, changes to MDCGWSVA2SB4SB**277**).

Electronic (low voltage) sequential switch: Switch factory mounted in luminaire for ambient and reading light convenience (controlled by pillow switch, by others). Suffix: **SW**.

9/7 Watt night light: Suffix: **PL** (Lamp not included).

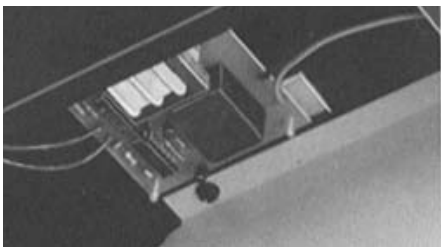
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).

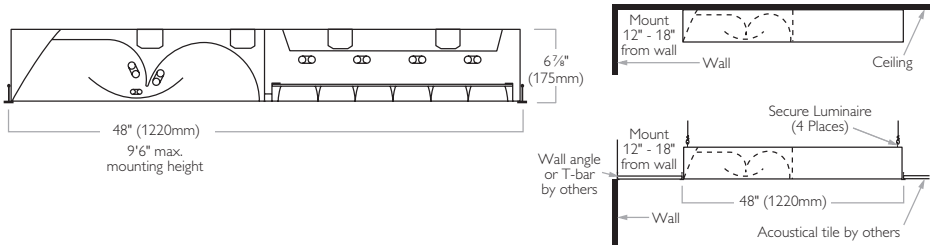
Tamper proof: Order Germ Shield.

Germ shield: Order Cat. no., **MD4CLGS24** (2x4). Germshield can only be used with recessed **MD* Coffer**.

Sequential switch (SW)

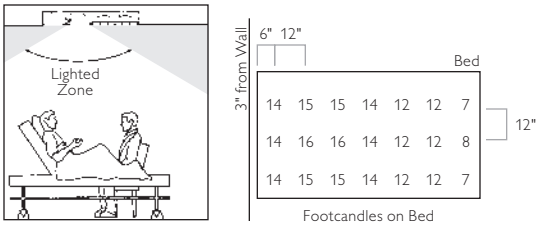


MD*Coffer 2' x 4'



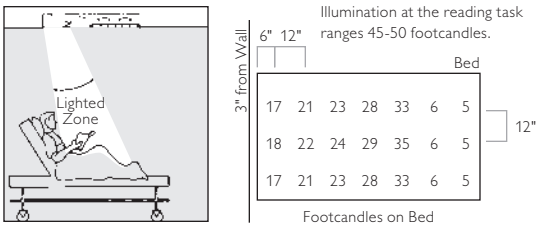
Ambient light

- Indirect illumination from TT5 shielded by perforated mesh shield with white acrylic overlay.
- No direct glare to patient.
- No direct glare to patients visitor.
- No direct glare to adjacent patients.



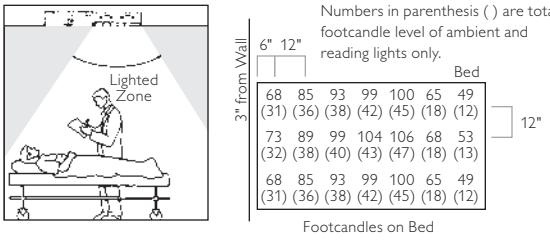
Reading light

- Eliminates reflected glare from reading material (over shoulder illumination).
- No direct glare to patient or visitors.
- Controls light directly onto patient's bed.



Examination light

- Excellent color rendition. Wired for independent switching (1 or 2 circuit).
- Optional louver or lens frame.
- Concealed hinging and latching.



Ordering information

Type	Cells	Examination light shielding	Lamps qty–type*	Ballast type	Grid ceiling
MD* Coffer 2x4 Ambient, Reading and Examination Light	36	White Louver with Prismatic Overlay	6-TT5 5-TT5	40W Electronic	**MDCGWSVA2SB4SB** **MDCGWSVA2SB3SB**

* Include 2-TT5 for ambient / reading section.

Example **MDCGWSVA2SB4SB**

MD* Coffer 2x4
Multi-function
Examination Luminaire

120

Voltage
120 = 120V
277 = 277V

SW

Options
SW= Electronic
Sequential Switch

PL

Options
PL = Nurses
Night Light

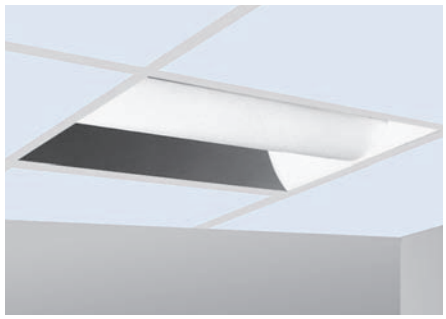
A

Options
See page 4.140

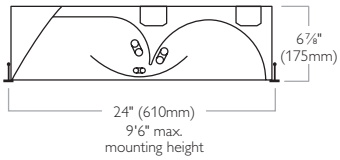
MD* Coffer 2' x 2'

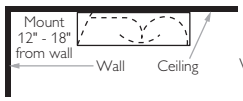
Multi-function patient room luminaire (ambient/reading/nurse's night light)

MD* Coffer combines all of the lighting functions in a patient's room in a single luminaire that is ceiling mounted to permit clean headwalls. This enables architects and interior designers to create a more home like environment and moves the light luminaire off the wall, a location where it can be damaged easily or interfere with medical equipment. MD*Coffer is more efficient and more economical than all other patient lighting systems.

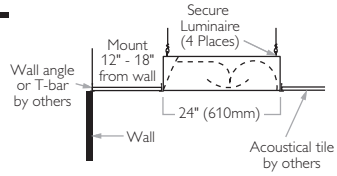


MD*Coffer 2' x 2'



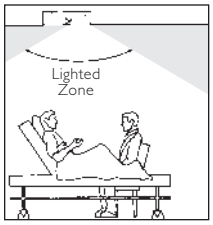


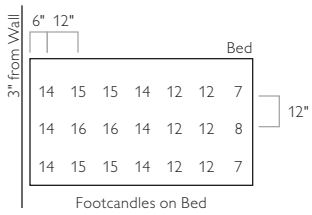
2 types of lighting: ambient & reading



Ambient light

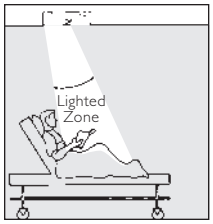
- Indirect illumination from TT5 shielded by perforated mesh shield with white acrylic overlay.
- No direct glare to patient.
- No direct glare to patients visitor.
- No direct glare to adjacent patients.

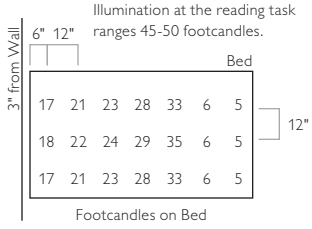




Reading light

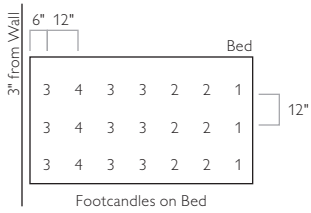
- Eliminates reflected glare from reading material (over shoulder illumination).
- No direct glare to patient or visitors.
- Controls light directly onto patient's bed.





Night light (optional)

- Indirect 9 or 7 watt PL lamp shielded by perforated mesh with internal white acrylic overlay.
- No glare to any patient.
- Wired for independent switching.



Ordering information

Type	Lamps qty–type*	Ballast type	Grid ceiling
MD* Coffer 2x2 Ambient, Reading	2-TT5	40W Electronic	**MDCG2SB**

Example

MDCG2SB	120	SW	PL	A
MD* Coffer 2x2 Multi-function Patient Luminaire	**Voltage** **120** = 120V **277** = 277V	**Options** **SW**= Electronic Sequential Switch	**Options** **NL** = Nurses Night Light	**Options** See page 4.141

Features

- 2 x 2 Unit has three lighting functions with integral ambient, reading, and optional nurse's night light with perforated mesh shield.
- Specular aluminum reflectors for precise light control and glare free patient environment.
- Installs as a one-piece unit. Recessed or surface mounted to ceiling against wall directly behind patient.
- Eliminates damage to luminaire from hospital equipment attached to patient bed.
- Top wiring access plate is standard.
- All TT5 type lamps (not included) are accessible for relamping without tools. All lamps are enclosed.
- Rugged 20 gauge steel housing.
- Optional low voltage (1-3 volts) electronic sequential switch mounted in luminaire for ambient and reading light controlled with pillow switch (by others).
- Perforated mesh shield for ambient / reading section.

Options & accessories

277V: Change 120 to 277 (e.g. MDCGWSVA2SB4SB**120**, changes to MDCGWSVA2SB4SB**277**).

Electronic (low voltage) sequential switch: Switch factory mounted in luminaire for ambient and reading light convenience (controlled by pillow switch, by others). Suffix: **SW**.

9/7 Watt night light: Suffix: **PL** (Lamp not included).

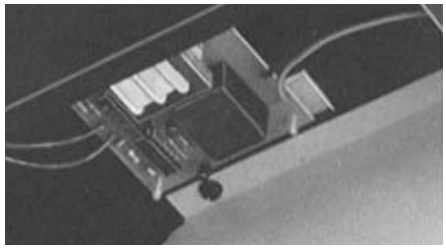
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

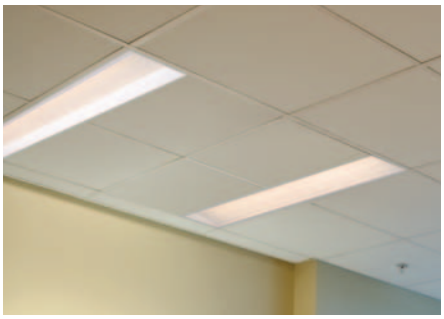
Fusing: Suffix: **A** (Internal fast-blow fusing).

Tamper proof: Order Germ Shield.

Germ shield: Order Cat. no., **MD4CLGS22** (2x2). Germshield can only be used with recessed **MD* Coffer**.

Sequential switch (SW)





MD*A 6"x 48"

Recessed fluorescent multi-function patient luminaire asymmetric examination and ambient lighting

With the ever-increasing amounts of medical equipment needing headwall space and an overall desire to create a comforting, home-like environment, the Philips Lightolier MD*A meets these challenges.

The Philips Lightolier MD*A offers three integral lighting functions: ambient light, examination light and an optional wall switch controlled night light. The ambient light provides a soft level of light that is perfect for general illumination. The examination light produces shadow-free illumination over the entire bed. When these two modes are switched on simultaneously, very high light levels are achieved, up to 120 footcandles.

Ideally installed in opposing pairs over the bed. The Philips Lightolier MD*A can be ordered as two individual luminaires for wall switch operation. Or as Master and Satellite luminaires utilizing our optional sequential switch, giving the patient the ability to control the aforementioned functions from a pillow switch.

Ordering information

Explanation of **Individual MD*A** luminaire Catalog number. Example: **MDA6G254117120PGP2**

MD*Asymmetric	Fixture width	Ceiling type	Exam lamp	Ambient lamp	Voltage	Exam ballast	Ambient ballast
MDA	6	G	254	117	120	PG	P2

Explanation of **Master MD*A** luminaire Catalog number with sequential switch. Example: **MDA6G254117120PGP2-SW**

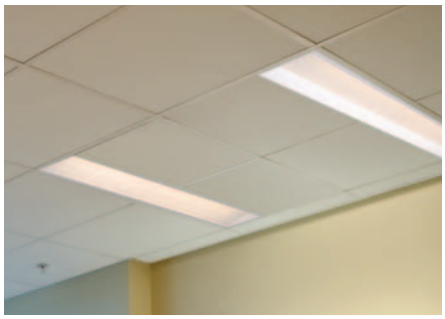
MD*Asymmetric	Fixture width	Ceiling type	Exam lamp	Ambient lamp	Voltage	Exam ballast	Ambient ballast	Sequence switch
MDA	6	G	254	117	120	PG	P2	SW

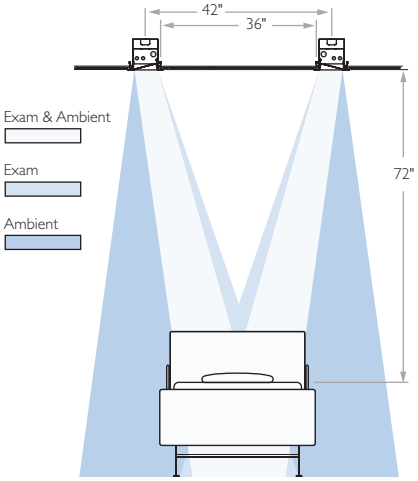
Explanation of **Satellite MD*A** luminaire Catalog number with sequential switch. Example: **MDA6G254117120PGXX-SW**

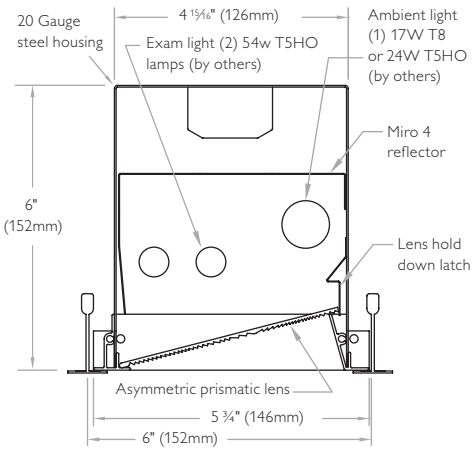
MD*Asymmetric	Fixture width	Ceiling type	Exam lamp	Ambient lamp	Voltage	Exam ballast	Ambient ballast	Satellite	Sequence switch
MDA	6	G	254	117	120	PG	P2	XX	SW

MD*A 6"x 48"

Recessed fluorescent multi-function patient luminaire asymmetric examination and ambient lighting







Ambient light

Indirect illumination from either two 17W T8 or two 24 watt T5HO two foot lamps.

- No direct glare to patient.
- No direct glare to patient's visitor.
- Low level of illumination comfortable for visitors or viewing television.

7	**8**	8
9	10	10
10	11	10
10	10	9
8	8	7

Two 17W T8 Lamps footcandle levels*

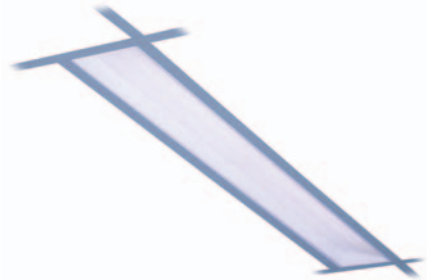
10	**11**	12
13	15	15
15	16	15
15	15	13
12	11	10

Two 24W T5HO Lamps footcandle levels*

Examination light

Excellent color rendition given by four 54 watt T5HO lamps.

- Wired for tandem switching.



79	**84**	79
100	106	99
106	114	106
99	106	100
79	84	79

Four 54W T5HO Lamps footcandle levels*

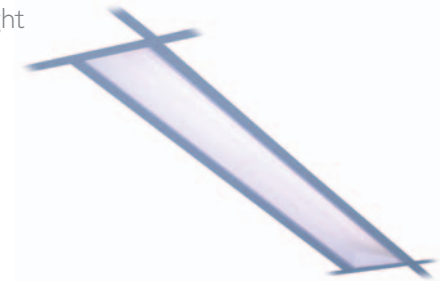
79	**84**	79
100	106	99
106	114	106
99	106	100
79	84	79

Four 54W T5HO Lamps footcandle levels*

Ambient and examination light

Full light level output.

- Lens encloses lamps within luminaire.



82	**89**	80
101	108	101
108	117	108
101	108	101
80	88	82

Two 17W T8 Lamps and Four 54 Watt T5HO Lamps, footcandle levels*

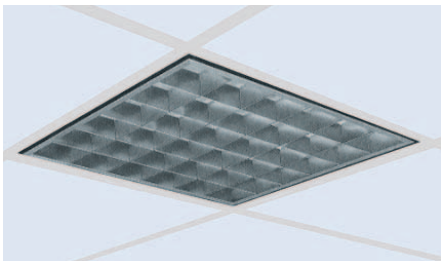
85	**92**	86
104	111	106
111	120	111
106	110	104
86	92	85

Two 24W T5HO Lamps and Four 54 Watt T5HO Lamps, footcandle levels*

Optional 3 watt LED night light

Only available in the Individual or Satellite luminaire. Suffix: **NL**.

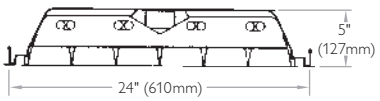
*Footcandle levels based on an opposing pair of MD*A luminaries.



MD*4 2' x 2'

Recessed 36 cell with prismatic overlay examination luminaire

MDS2G36PS4FT120SB



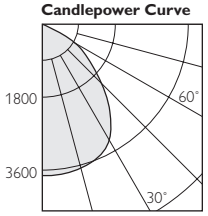
Reference data

Efficiency	55.9%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	132.0W
Luminaire Eff. (LER)	31.3

Candlepower Curve



Initial Footcandles on Bed

1 Fixture				2 Fixture		
12"		12"	WALL	12"		12"
52.5	54.8	52.7		106	111	107
63.9	66.8	64.1		119	125	120
74.5	78.0	74.7		128	134	129
77.9	81.6	78.1		133	139	133
75.6	79.1	75.8		132	138	133
68.6	71.8	68.8		123	129	123
57.6	60.3	57.9		109	114	110

3" 6" 12"

Features

- 2 units provide 123 average footcandles on patients bed when installed over each end of bed.
- Utilizes 2-2 lamp electronic ballast.
- Utilizes 4-40 watt Biax type lamps with excellent color rendition (82 CRI).
- 3 1/2" x 3 1/2" cell size.
- Door jamb with integral positive light stop.
- Spring-loaded latches.
- Integral earthquake clip.

Options & accessories page 4.130

Ballast: Electronic 120 volt standard. For 277 volt, change 120 to 277 (e.g. **MDS2G36PS4FT277SB**).

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Radio interference filter: Suffix: **R**.
120 or 277 volt at 50 or 60Hz. One per fixture standard.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Note: For concealed spline, plaster or drywall ceiling, use "**G**" type fixtures with either: **S2X2F** KIT, or Drywall kit, **FK92X2**.

Ordering information

Type	Cells	Examination light shielding	T-Grid	Slot-T or Concealed-T
MD*4 2x2 Recessed Examination Light	36	Low iridescence specular louver w/prismatic overlay	**MDS2G36PS4FT120SB**	**MDS2T36PS4FT120SB**
	36	Low iridescence semi-specular louver w/prismatic overlay	**MDS2G36LS4FT120SB**	**MDS2T36LS4FT120SB**

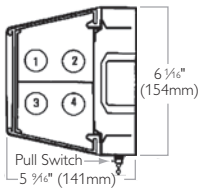
Example

MDS2G36PS4FT	120	SB	A
Examination Light Direct/indirect recessed	**Voltage** **120** = 120V **277** = 277V	**Ballast** See page 4.144	**Options** See page 4.144 and page 4.130

OBL series

Over-bed, wall mounted luminaire

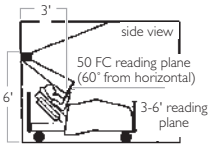
OBL Over-bed light



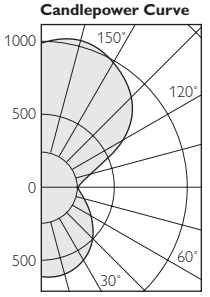
Switching

4 Lamps = 1, 2, 3, 4
3 Lamps = 1, 2, 4
2 Lamps = 2, 4

Reading Position



Candlepower Curve



Features

- For nursing homes, hospitals and other health care facilities.
- Separate lamp compartments for controlled uplight and downlight.
- Four-way pull switch, standard (120 volt only).
- .125 thick DR acrylic linear prismatic refractor. (impact resistant).
- Flat white fascia standard.
- Cold rolled steel body with die-cast aluminum ends.
- Concealed pull-action spring-loaded latches to retain lens.
- Optional oak fascia insert.
- Optional low voltage electronic sequential switch for push button control of up/down lighting. UL 544 listed. Includes phone jack type receptacle.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **277SO**.

Ballast type	<10THD	<20THD
T8	**HI**	**PS**

Ordering information

Lamp Configuration	Size	Lamp qty–type	Catalog no.
2 Up/1 Down		3-T8	**OBL332**
2 Up/2 Down	48"	4-T8	**OBL432**
1 Up/1 Down		2-T8	**OBL232**

Example

OBL332	120	SO	R
Over-Bed Wall Mounted Direct/indirect recessed	**Voltage** **120** = 120V **277** = 277V	**Ballast** See page 4.144	**Options** See page 4.144 and page 4.216

Optional fascia insert: Oak—to order substitute **K** for **L** in Catalog no. (e.g. **OBL332** to **OBK332**).

Momentary button cordset: Traditional "Winged" Pendant Design ESD protection to 15000 volts. Heavy duty 7" cable. Consult factory.

Nite light: Consult factory.

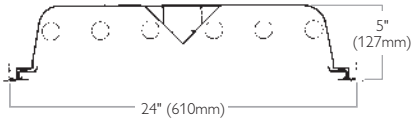
Radio interference filter: Suffix: **R**.
120 or 277 volt at 50 or 60Hz.

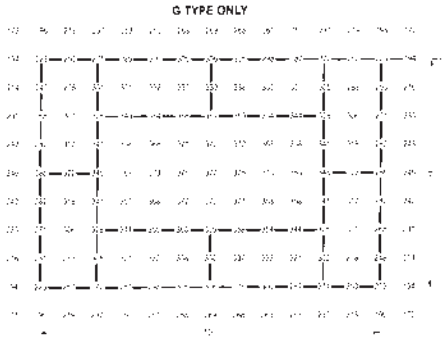
Electronic (low voltage) sequential switch: Switch factory mounted in fixture for Up and Down Light Operation from pillow switch, UL544 listed. Includes phone jack type receptacle. Consult factory. (120V or 277V).

SUS 432/632

Over-bed, wall mounted luminaire

SUS2GFSMA632UNVH6

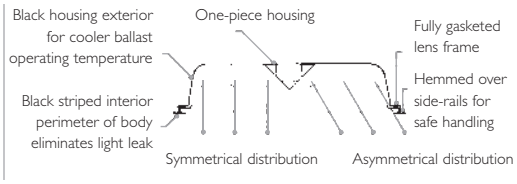


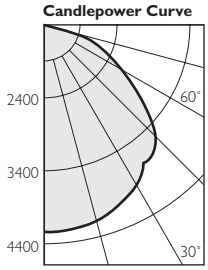


Ordering information

Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster
6-T8	**SUS2GFSMA632**	**SUS2FFSMA632**

The footcandle readings of a typical 8' x 12' pattern layout of 8, 6 lamp units, illustrates that the asymmetric distribution adds 35% more light to the operating area (room size 12' x 16' x 9' ceiling).

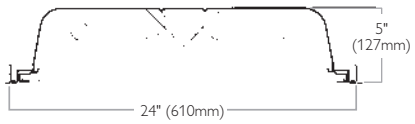


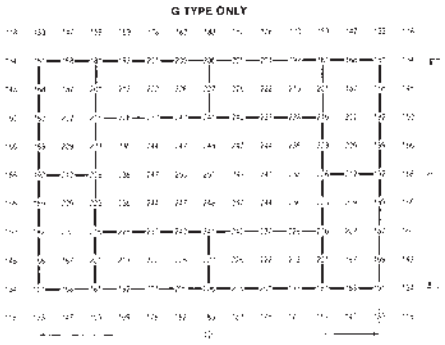


Example

SUS2GFSMA632	UNV	H6	A
SUS 632 Surgical Perimeter Static Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.145	**Options** See page 4.145 and page 4.130

SUS2GFSMA432UNVH4

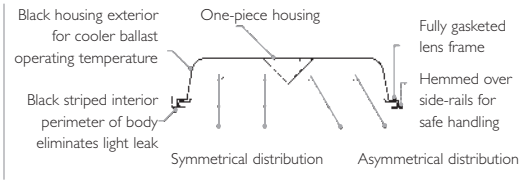


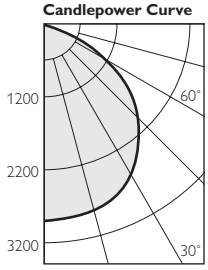


Ordering information

Lamp qty–type	Exposed T-Grid	Flanged for dry or plaster
4-T8	**SUS2GFSMA432**	**SUS2FFSMA432**

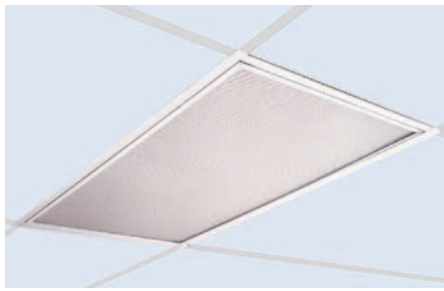
The footcandle readings of a typical 8' x 12' pattern layout of 8, 4 lamp units, illustrates that the asymmetric distribution adds 35% more light to the operating area (room size 12' x 16' x 9' ceiling).





Example

SUS2GFSMA432	UNV	H4	A
SUS 432 Surgical Perimeter Static Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.145	**Options** See page 4.145 and page 4.130



Features

- Asymmetric/symmetric distribution provides:Supplemental illumination to operating tables.
- Minimizes contrast between surgical and surrounding areas.
- Meets government specification for Radio Frequency Interference (RFI), MIL-STD 461-A, MIL-STD 463.
- One radio suppressor per fixture (standard).
- High efficiency 60.9% (6 light), 61.2% (4 light).
- One-piece housing.
- Built-in earthquake clips.
- Flat full-size steel lens frame is gasketed.
- 2 1/4" lamp to integral light stop for easy lamp removal.
- Black housing exterior for cooler ballast operating temperature.
- Hemmed over side rails for safety.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **277SO**.

Ballast type	<10THD	<20THD
2 - 2 Lamp Elec. T8	**SO***	**HI***
3 - 2 Lamp Elec. T8	**SO***	**HI***
1 - 4 Lamp Elec. T8	**O4***	**H4***
2 - 3 Lamp Elec. T8	**O6***	**H6***
LOL Dimming T8	**PS**	

* Instant start Standard.

Continuous row installation: For "**F**" type fixtures, half-width flanges are required between fixtures. Catalog no. **2FC Trim** (each joint).

Plaster frames: "**F**" type fixtures do not include plaster frames. For individual or continuous mounting, specify **PF24** universal frame per fixture.

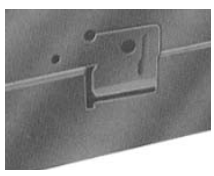
Electrical/wiring: Options consult factory.

Seismic hold-down clips: For "G" type troffers. Suffix: 4HD (for NYC only).

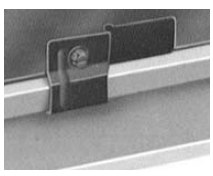
Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

Radio interference filter: Suffix: **R**. If one per ballast is required. 120 or 277 volt at 50 or 60Hz.

Note: Only one radio interference filter (RF) for fixture if 3 ballasts are used.



Built-in Earthquake Clip before installation



Earthquake Clip installed (lay-in grid)

Architectural & surface utility

Surface mounted luminaires are most often used in situations where it is not feasible to install recessed lighting: where there is no suspended ceiling, where there are obstructions above the ceiling, or where it is costly and troublesome to penetrate but surface-mounted luminaires are also extensively used because they serve as elements of distinctive style, providing an identity or signature; they add character to a space. Because a surface mounted fluorescent is subject to closer visual scrutiny than a recessed, standards of detailing craftsmanship are necessarily higher. The high quality of Philips Lightolier's production is seen in this product offering.

Contents

Stairwell > 4.148
Celebrity > 4.150
Belmont > 4.153
Dorm Lyte > 4.158
Dominaire Surface > 4.159
LWBU and LSW > 4.160
Deepcel Surface > 4.162
Prismalyte Surface > 4.163
Vision Smart Surface > 4.164
SLB > 4.165

Philips Lightolier stairwell luminaire

Wall/ceiling mounted fluorescent

Prismatic lens option

Conserving energy while maintaining safety.

Stairwell lighting typically operates continuously at full output despite very low, intermittent use. The solution to this unique application is bi-level lighting which maintains minimum illumination requirements when the stairwells are empty, thereby maximizing energy savings. Bi-level lighting incorporates a sensor integrated into the fixture that dims the lighting down to minimum standards, when no one is present. When the fixture detects someone in the area, the lighting is restored to full brightness. This can result in 50 to 80 percent energy savings per fixture.

The Philips Lightolier stairwell luminaire incorporates an internal motion sensor and a bi-level ballast. It provides a standby low-light level, and upon detection of motion in a space, immediately increases the lighting to full brightness. After occupancy is no longer detected, the fixture reverts back to the low, standby level. The automatic bi-level lighting control saves energy and ensures full light output when the space is occupied. The Philips Lightolier stairwell luminaire can be mounted on the wall or installed on a ceiling and is available in one or two lamp T8 and two lamp T5 linear fluorescent.

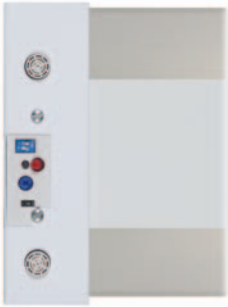
Philips Lightolier stairwell luminaire

Ideal for	Stairwells, restrooms, laundry rooms and other areas where maximum light levels are not required on a constant basis.	
Lens options	• Unique composite, 1/8" thick DR (impact resistant) acrylic lens with a white opaque center and linear prisms to spread up/down light. • Classic 1/8" thick linear prismatic virgin acrylic lens that is low in brightness • A Linear prismatic lens of 50% DR (impact resistant) and 50% standard acrylic with a nominal thickness of 1/8" that will withstand 70 foot-pounds of impact without breaking.	
Sensor options	**Ultrasonic Occupancy Sensor** • Ultrasonic technology (40Khz) Ultrasonic detection operates by transmitting sound waves throughout an area and measuring the speed at which they return.	**Infrared Occupancy Sensor** • Adjustable time delay from 30 seconds to 30 minutes. • Fixed sensitivity optimized for FS-LxW lens coverages. • RoHS compliant. • Light level daylighting feature from 10-120 fc.
Tamper proof option	Secondary endcaps, secured with Holt head screws, can be added to the luminaire for tamper proofing	
Example catalog	**SF4C232UNVV2-US**, two 32 watt T8 lamps, bi-level dimming ballast and integrated Ultrasonic sensor **SF4C232UNVV2-OC**, two 32 watt T8 lamps, bi-level dimming ballast and integrated Infrared sensor For complete listing of available fixtures and specification sheets search Stairwell at www.lightolier.com	

Philips Lightolier stairwell luminaire

Wall/ceiling mounted fluorescent

Lighting in motion.



Fast facts

- Integrated occupancy sensor, ultrasonic or infrared motion
- Available in T8, T5 and T5HO lamping
- Three unique lens options
- Only 3⅞" deep, meeting the Americans with Disabilities Act requirements for wall mounted fixtures
- Additional dimmer available for GSA requirements (consult factory)

Ordering Information T5 or T5HO

SF	4	C	2	28	UNV	VY	–	US	– –	– –	–

Stairwell: Wall Mounted Fluorescent

Fixture Length:
4=48" (Nominal 48")

Lens Type:
C =White Composite Acrylic Lens
R = Linear Prismatic Virgin Acrylic Lens
V = **Vandal Proof** ~ A High impact, 50% DR Acrylic Linear Prismatic Lens with Additional Secondary Vandal proof end-caps secured with holt head screws. (Factory Installed Only)

Lamp Quantity:
2=2 Lamp

Lamp Type: (By Others)
28=T5 28W
54=T5HO 54W (Nominal 48")

Voltage‡:
120, 277 or **UNV** = 120-277

Ballast Type: <10THD
2 Lamp 28W Elec.T5 100% / 50% Bi-level **VY** (.95BF)
2 Lamp 28W Elec.T5 **PG ††**
2 Lamp 54W Elec.T5HO 100% / 50% Bi-level **NQ** (.80BF)
2 Lamp 54W Elec.T5HO **PG ††**

Dimming 0-10 Volt
2 Lamp 28W Elec.T5 **EQ‡**
2 Lamp 54W Elec.T5HO **MW‡**

‡ Specific 120 or 277 voltage must be specified with use of a 0-10 volt dimming ballast.
††Program Rapid Start (UNV only)

Note: UNV PG combination will result in lamps controlled by occupancy sensor in a ON or OFF capacity.

Sensor Type:
US=UltraSonic
OC=Infrared

Options:
DL=Optional GSA ballast low level controller.

Note: DL option requires the use of a 0-10 volt dimming ballast.

Options:
Emergency Pack (Consult Factory for applicable code)

Optional Fusing:
A=Internal fast blowing
=Internal slow blowing

Note: Consult local code authority for applications where Stairwell luminaire will be used as emergency lighting.

Ordering Information T8

SF	4	C	2	32	UNV	V2	–	US	– –	– –	–

Stairwell: Wall Mounted Fluorescent

Fixture Length:
2=24"
4=48"

Lens Type:
C =White Composite Acrylic Lens
R = Linear Prismatic Virgin Acrylic Lens
V = **Vandal Proof** ~ A High impact, 50% DR Acrylic Linear Prismatic Lens with Additional Secondary Vandal proof end-caps secured with holt head screws. (Factory Installed Only)

Lamp Quantity:
1=1 Lamp
2=2 Lamps

Lamp Type: (By Others)
17=17W T8 (Nominal 24")
32=32W T8 (Nominal 48")

Voltage‡:
120, 277 or **UNV**=120-277
UN2 = 2, one lamp universal voltage ballasts (SF4 ONLY)

Ballast Type: <10THD
1 or 2 Lamp 17W or 32W Elec.T8 **V2**
1 or 2 Lamp 17W or 32W Elec.T8 **P2***

Dimming 0-10 Volt
1 or 2 Lamp 17W or 32W Elec.T8 **M7‡**

‡ Specific 120 or 277 voltage must be specified with use of a 0-10 volt dimming ballast.
*Program Start Standard

Note: UN2 P2 combination will result in one lamp always ON with second lamp controlled by occupancy sensor.
UNV P2 combination will result in lamp/lamps controlled by occupancy sensor in a ON or OFF capacity.

Sensor Type:
US=UltraSonic
OC=Infrared

Options:
DL=Optional GSA ballast low level controller.

Note: DL option requires the use of a 0-10 volt dimming ballast.

Options:
Emergency Pack (Consult Factory for applicable code)

Optional Fusing:
A=Internal fast blowing
=Internal slow blowing

Note: Consult local code authority for applications where Stairwell luminaire will be used as emergency lighting.

Note: Stairwell luminaire also available in LED

Celebrity (CWBU) Universal

Wall mounted downlight luminaire

The ultimate in glare-free architectural lighting. A classic rectilinear wall fixture with a jewel-like diamond faceted injection molded refractor that mirrors out brightness at critical viewing angles. Ideal for nursing homes when used as a bed-light in the uplight/downlight configuration. It is also excellent when used over mirrors, in corridors and for task lighting in the downlight only configuration.

Features

- Universal luminaire that has uplight/downlight or downlight capabilities on the same fixture.
- Low brightness controlled downlighting and uplighting/downlighting.
- Injection-molded one-piece virgin acrylic downlight refractor (1 side, 2 ends and face).
- Catadioptric side and end wall design (downlight).
- Slim 3 1/16" depth.
- Nominal 2' and 4' lengths.
- 63% efficient T8 lamps downlight.
- 67.1% efficient T8 lamps uplight/downlight.
- Invisible steel latches align refractor to housing.
- Individual or continuous rows.
- For over mirror, over bed, corridor, stairwell and bulletin board applications.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

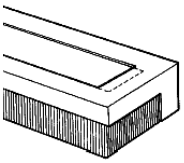
* Instant start

** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Radio interference filter: 120 or 277 volt, 50 or 60 Hz. One per fixture. Suffix: **R.**

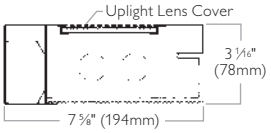
Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).



Uplight lens cover for downlignt only

CWBU232UNVHI

2 Lamp Downlight



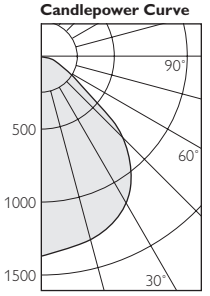
Reference data

Efficiency	63.0%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	62.0W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Downlight	7⅝" x 25½" 7⅝" x 49½"	2-T8	**CWBU217** **CWBU232**

Example **CWBU232** **UNV** **HI** **A**

CWBU Wall Mounted Downlight Luminaire

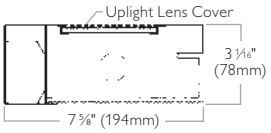
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

Ballast See page 4.150

Options See page 4.150 and page 4.216

CWBU132UNVHI

1 Lamp Downlight



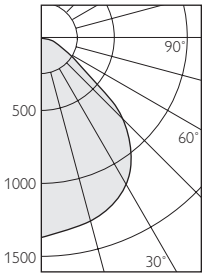
Reference data

Efficiency	68.4%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	30.0W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Downlight	7⅝" x 25½" 7⅝" x 49½"	1-T8	**CWBU117** **CWBU132**

Example **CWBU132** **UNV** **HI** **A**

CWBU Wall Mounted Downlight Luminaire

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

Ballast See page 4.150

Options See page 4.150 and page 4.216

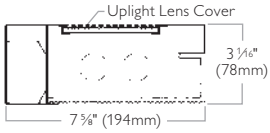
Celebrity (CWBU) Universal

Wall mounted uplight/downlight luminaire

The ultimate in glare-free architectural lighting. A classic rectilinear wall fixture with a jewel-like diamond faceted injection molded refractor that mirrors out brightness at critical viewing angles. Ideal for nursing homes when used as a bed-light in the uplight/downlight configuration. It is also excellent when used over mirrors, in corridors and for task lighting in the downlight only configuration.

CWBU232UNVHI

2 Lamp Uplight / Downlight



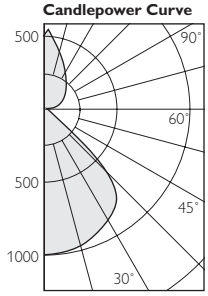
Reference data

Efficiency	67.1%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	62.0W

Candlepower Curve



Ordering information

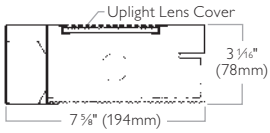
Type	Size	Lamp qty–type	Catalog no.
Uplight / Downlight	7⅝" x 25½" 7⅝" x 49½"	2-T8	**CWBU217** **CWBU232**

Example

CWBU232	UNV	HI	A
CWBU Wall Mounted Uplight/Downlight Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.151	**Options** See page 4.151 and page 4.216

CWBU132UNVHI

1 Lamp Uplight / Downlight



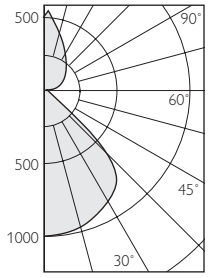
Reference data

Efficiency	69.8%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	30.0W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Uplight /Downlight	7⅝" x 25½" 7⅝" x 49½"	1-T8	**CWBU117** **CWBU132**

Example

CWBU132	UNV	HI	A
CWBU Wall Mounted Uplight/Downlight Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.151	**Options** See page 4.151 and page 4.216

Features

- Universal luminaire that has uplight/downlight or downlight capabilities on the same fixture.
- Low brightness controlled downlighting and uplighting/ downlighting.
- Injection-molded one-piece virgin acrylic downlight refractor (1 side, 2 ends and face).
- Catadioptric side and end wall design (downlight).
- Slim 3 1/16" depth.
- Nominal 2' and 4' lengths.
- 63% efficient T8 lamps downlight.
- 67.1% efficient T8 lamps uplight/downlight.
- Invisible steel latches align refractor to housing.
- Individual or continuous rows.
- For over mirror, over bed, corridor, stairwell and bulletin board applications.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

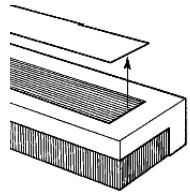
* Instant start

** Program start

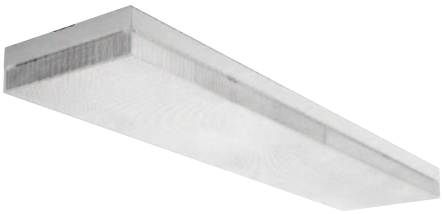
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Radio interference filter: 120 or 277 volt, 50 or 60 Hz. One per fixture. Suffix: **R.**

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).



Uplight lens cover removed for uplight/ downlignt



Celebrity Surface

Surface

Features

- .187 lens thickness.
- Five side injection molded refractor with square base, conical prisms (absolutely no sag).
- Catadioptric side/end wall design, for low brightness.
- Tight aligning refractor fit.
- Invisible spring steel latches.
- Easy ballast accessibility.
- Rigid, reinforced housing.
- Individual or continuous row mounting.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
1 - 2 Lamp Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start

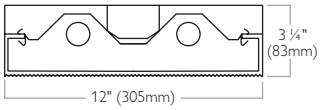
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Not recommended for stem mounting.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

CBS232UNVHI



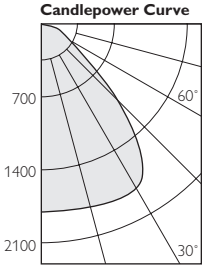
Reference data

Efficiency	78.2%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	59.1W
Luminaire Eff (LER)	66.2

Candlepower Curve



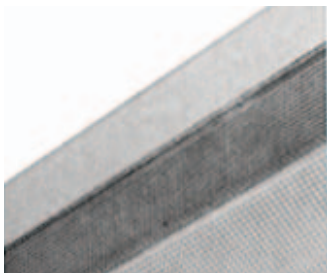
Ordering information

Type	Size	Lamp qty–type	Catalog no.
Surface Prismatic	12" x 49 9/16"	2-T8	**CBS232**

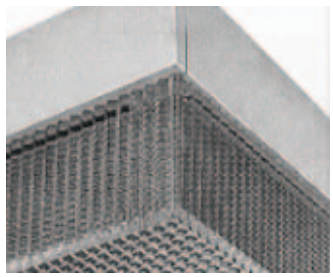
Example

CBS232	**UNV**	**HI**	**A**
Celebrity Surface Wrap Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.152	**Options** See page 4.152 and page 4.216

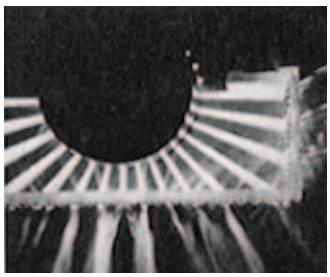
Specification Surface Lens CBS Unit Matches CWBU Celebrity Wall Unit



Sturdy steel chassis



Four sided injection molding



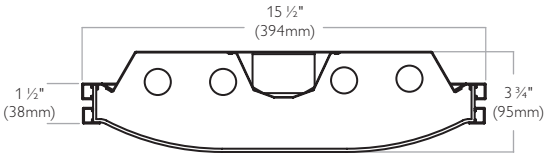
Photograph illustrates action of Celebrity lens enclosure. Catadioptric prisms "mirror" out glare, refract light beams into useful areas.

Belmont Spill Frame 2' x 4'

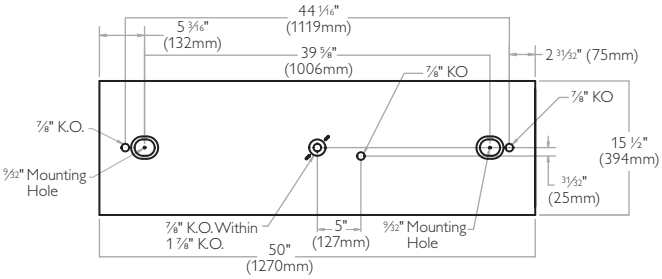
Architectural surface luminaire

Belmont Spill Frame features an extruded aluminum frame with a unique uninterrupted spill of light on all four sides with a soft-white, impact resistant acrylic lens. The step back chassis creates a floating frame effect with an apparent depth of only 1½ inches. The frame can be opened and/or hinged from either side without tools for easy lamp replacement.

Belmont Spill Frame



The intriguing appearance and ease of maintenance make Belmont Spill Frame the ideal choice for surface mounted lighting applications for cafeterias, corridors, small offices, kitchens or family rooms.



Ordering information

Type	Lamps qty–type	Electronic ballast	Finish	Shielding	Chassis
Belmont Spill Frame Architectural Surface Luminaire	4-T8	2 - 2 Lamp	Black	**BESF2X4**	**BE2B432UNVHI**
		2 - 2 Lamp	White	**BESF2X4**	**BE2W432UNVHI**
		1 - 4 Lamp	Black	**BESF2X4**	**BE2B432UNVH4**
		1 - 4 Lamp	White	**BESF2X4**	**BE2W432UNVH4**

Note: Chassis and shielding are packed in separate cartons. When ordering, enter as separate line items.

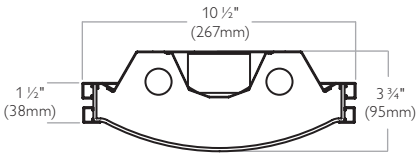
Features

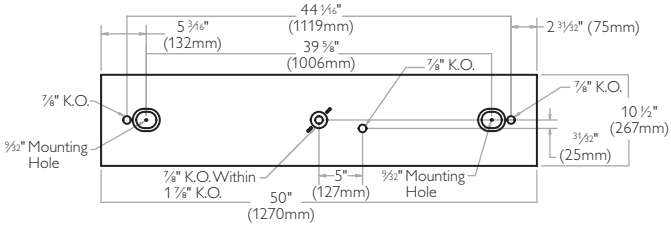
- Excellent for lighting cafeterias, small offices, corridors, kitchens and family rooms.
- Unique rectangular double frame creates uninterrupted spill of light from all four sides.
- Extruded aluminum frame with mitered corners.
- 1/8" thick white acrylic lens containing 25% DR.
- Only 3-3/4" total depth.
- Step back housing for an apparent depth of 1-1/2".
- Lens opens and hinges from either side.
- Zip-clip flush mount on T-grid ceilings.
- Off-center 7/8" K.O. for flush mount to T-grid ceiling.

Belmont Spill Frame 1' x 4'

Architectural surface luminaire

Belmont Spill Frame





Ordering information

Type	Lamps qty–type	Electronic ballast	Finish	Shielding	Chassis
Belmont Spill Frame Architectural Surface Luminaire	2-T8	1 - 2 Lamp	Black	**BESF1X4**	**BE1B232UNVHI**
			White	**BESF1X4**	**BE1W232UNVHI**

Note: Chassis and shielding are packed in separate cartons. When ordering, enter as separate line items.

Belmont Spill Frame 2' x 2'

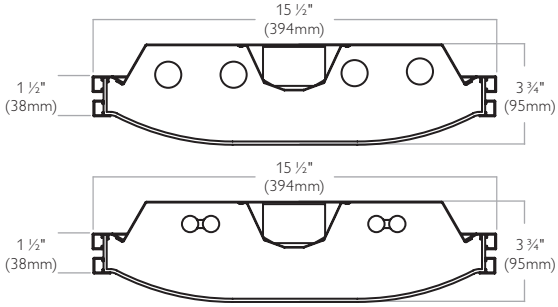
Architectural surface luminaire

Belmont Spill Frame features an extruded aluminum frame with a unique uninterrupted spill of light on all four sides with a soft-white, impact resistant acrylic lens. The step back chassis creates a floating frame effect with an apparent depth of only 1½ inches. The frame can be opened and/or hinged from either side without tools for easy lamp replacement.

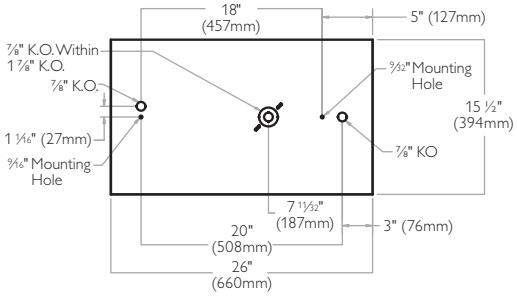
Features

- Excellent for lighting cafeterias, small offices, corridors, kitchens and family rooms.
- Unique rectangular double frame creates uninterrupted spill of light from all four sides.
- Extruded aluminum frame with mitered corners.
- 1/8" thick white acrylic lens containing 25% DR.
- Only 3-3/4" total depth.
- Step back housing for an apparent depth of 1-1/2".
- Lens opens and hinges from either side.
- Zip-clip flush mount on T-grid ceilings.
- Off-center 7/8" K.O. for flush mount to T-grid ceiling.

Belmont Spill Frame



The intriguing appearance and ease of maintenance make Belmont Spill Frame the ideal choice for surface mounted lighting applications for cafeterias, corridors, small offices, kitchens or family rooms.



Ordering information

Type	Lamps qty–type	Electronic ballast	Finish	Shielding	Chassis
	4-T8	2 - 2 Lamp	Black	**BESF2X2**	**BE2B417UNVHI**
Belmont	4-T8	2 - 2 Lamp	White	**BESF2X2**	**BE2W417UNVHI**
Spill Frame	4-T8	1 - 4 Lamp	Black	**BESF2X2**	**BE2B417UNVH4**
Architectural	4-T8	1 - 4 Lamp	White	**BESF2X2**	**BE2W417UNVH4**
Surface Lum.	2-TT5 40W	1 - 2 Lamp	Black	**BESF2X2**	**BE2B2FTUNVIB**
	2-TT5 40W	1 - 2 Lamp	White	**BESF2X2**	**BE2W2FTUNVIB**

Note: Chassis and shielding are packed in separate cartons. When ordering, enter as separate line items.

Belmont I & II 2' x 4' & 1' x 4'

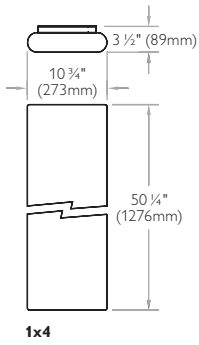
Linear fluorescent utility luminaire

Ideally suited to circulation, utility, and workspaces, these shallow, sleek lightforms are available in the more efficient T8 Electronic lamp-ballast systems.

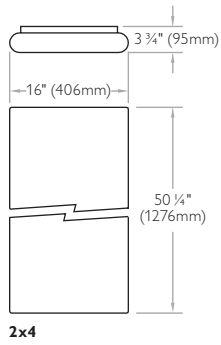
Belmont I

Wrap-around acrylic diffuser with end caps attached.
Complete luminaire consists of Lightshield and Chassis.
Specify and order each item separately.

Not suitable for row mounting.



1x4



2x4

Ordering information

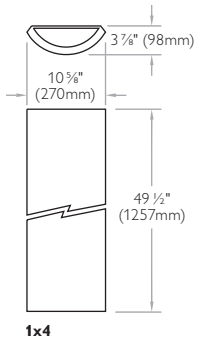
Type	Size	Lamps qty–type	Wattage	Electronic ballast	Finish	Chassis	Lightshield (Order separately)
Belmont I Utility Luminaire	1' x 4'	2-T8	32W	UNV	Black	**BE1B232UNVHI**	**10324**
	1' x 4'	2-T8			White	**BE1W232UNVHI**	**10324**
	2' x 4'	4-T8	32W	UNV	Black	**BE2B432UNVHI**	**10328**
	2' x 4'	4-T8			White	**BE2W432UNVHI**	**10328**

For products that require 1-4 light ballast add suffix **H4**.
Example: **BE2B432UNVH4**

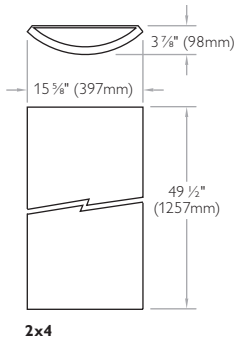
Belmont II

Linear acrylic arc with no visible trim.
Complete luminaire consists of Lightshield and Chassis.
Specify and order each item separately.

Not suitable for row mounting.



1x4



2x4

Ordering information

Type	Size	Lamps qty–type	Wattage	Electronic ballast	Finish	Chassis	Lightshield (Order separately)
Belmont II Utility Luminaire	1' x 4'	2-T8	32W	UNV	Black	**BE1B232UNVHI**	**10326**
	1' x 4'	2-T8			White	**BE1W232UNVHI**	**10326**
	2' x 4'	4-T8	32W	UNV	Black	**BE2B432UNVHI**	**10330**
	2' x 4'	4-T8			White	**BE2W432UNVHI**	**10330**

For products that require 1-4 light ballast add suffix **H4**.
Example: **BE2B432UNVH4**

Application data for surface mounted

Style	Multiple Fixtures		Single Fixture
Lamp	Fixture Spacing, O.C	F.C.* 30' x 50' Room	F.C.* 12 x 12' Room
Belmont I	6'	78	
	8'	28	15
	10'	28	
(2) 40W T12			
(2) 32W T8: F.C. x 0.9			
Belmont II	8'	96	
	10'	61	22
	12'	42	
(4) 40W T12			
(4) 32W T8: F.C. x 0.9			

* Footcandle values of illumination are initial and average and are at a height of 30" above the floor. They are shown for rooms with ceiling heights ranging from 8' to 12'.

Room finishes are typical: white ceiling (80% refl.). Light Walls (50% refl.) and dark floor (20% refl.).

All units are: cULus listed, suitable for damp locations.

Belmont Cloud 2' x 4' & 1' x 4'

Linear fluorescent utility luminaire

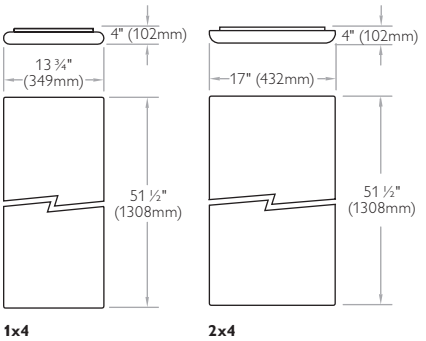
Ideally suited to circulation, utility, and workspaces, these shallow, sleek lightforms are available in the more efficient T8 Electronic lamp-ballast systems.

All units are: cULus listed, suitable for damp locations.

Belmont Cloud

Acrylic diffuser with softly contoured edges.
Complete luminaire consists of Lightshield and Chassis.
Specify and order each item separately.

Not suitable
for row mounting.



Ordering information

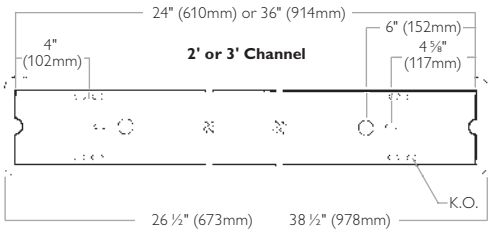
Type	Size	Lamps qty–type	Wattage	Electronic ballast	Finish	Chassis	Lightshield (Order separately)
Belmont Cloud Utility Luminaire	1' x 4'	2-T8	32W	UNV	Black	**BE1B232UNVHI**	**10325**
	1' x 4'	2-T8			White	**BE1W232UNVHI**	**10325**
	2' x 4'	4-T8	32W	UNV	Black	**BE2B432UNVHI**	**10327**
	2' x 4'	4-T8			White	**BE2W432UNVHI**	**10327**

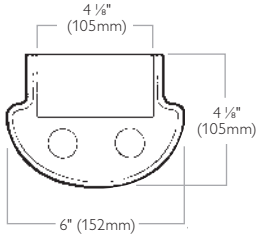
For products that require 1-4 light ballast add suffix **H4**.
Example: **BE2B432UNVH4**

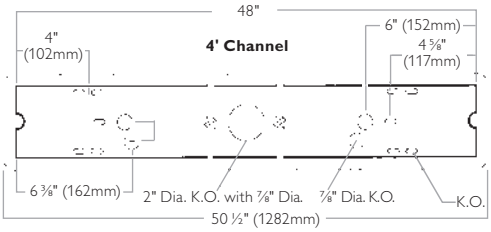
Belmont 6" Cloud & Vanity Light

Architectural surface

Belmont 6" Cloud







Ordering information

When ordering, enter as separate line items.

Type	Size	Lamps qty–type	Voltage	Chassis	Shielding
Belmont 6" Cloud Utility Luminaire	6" x 24"	2-T8	UNV (120-277V)	**SW2S217HPFUNVHI**	**BCW6X24**
	6" x 36"			**SW2S225HPFUNVHI**	**BCW6X36**
	6" x 48"			**SW2S232HPFUNVHI**	**BCW6X48**

Note: Chassis and shielding are packed in separate cartons. Chassis and shielding shown are stock items.

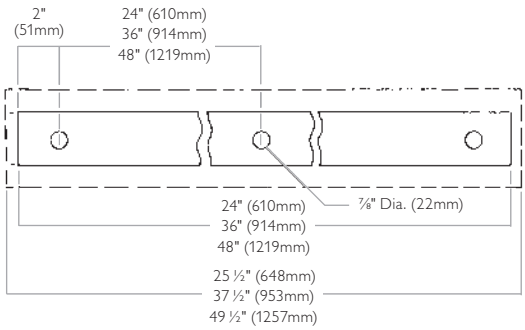
Features

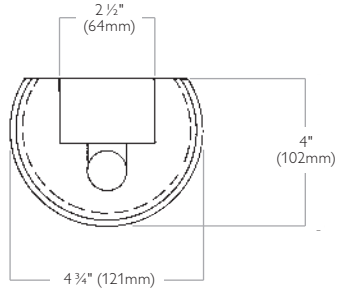
- 6" white opal acrylic lens (vacuum formed).
- Can be horizontally or vertically wall mounted.
- Can be ceiling mounted.
- Efficiency 69.0%.
- Lens secured to body with screws at ends.
- Quarter turn latch secures channel cover for easy wireway access.
- Heavy duty channel of code gauge die formed steel.
- Fully enclosed wiring.
- UL Listed snap-on end caps (body).
- Green grounding screw installed in channel.

Options & accessories

Ballast type	<10THD	<20THD
Electronic T8	**HI**	–

Vanity Light





Ordering information

When ordering, enter as separate line items.

Type	Size	Lamps qty–type	Voltage	Chassis	Shielding
Vanity Light Utility Luminaire	4 ¾" x 24"	1-T8	UNV (120-277V)	**SN2S117HPFUNVHI**	**VLW4X24**
	4 ¾" x 36"			**SN2S125HPFUNVHI**	**VLW4X36**
	4 ¾" x 48"			**SN2S132HPFUNVHI**	**VLW4X48**

Note: Chassis and shielding are packed in separate cartons. Chassis and shielding shown are stock items.

Features

- Can be horizontally or vertically mounted.
- 4 3/4" diameters opal white acrylic lens.
- Positive stainless steel lens retainers.
- Permanently installed milk white opaque diffuser ends with decorative trim.
- Efficiency 76.6% (T8).
- Quarter turn latch secures channel cover for easy wireway access.
- Heavy duty channel of code gauge die formed steel.
- Fully enclosed wireway.
- UL Listed snap-on end caps (body).
- Green grounding screw installed in channel.

Options & accessories

Ballast type	<10THD	<20THD
Electronic T8	**HI**	–

Dorm Lyte

Wall mounted fluorescent luminaire

Dorm Lyte

Features

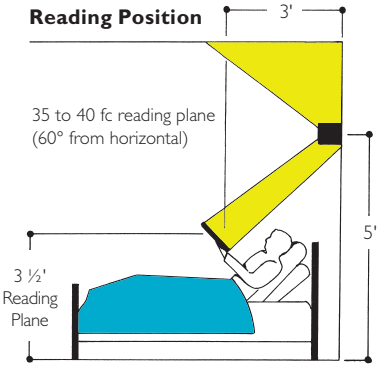
- For dorms, nursing homes, assisted living, health care facilities, or other over bed or wall mounted applications.
- Up and downlight, 1 or 2 lamp.
- Separate lamp compartments for controlled uplight and downlight for 2 lamp models.
- 1/8" thick DR acrylic lens. Unique co-extension. White opaque center. Frosted white front sections for subtle glow. Linear prisms to spread up/downlight.
- Only 3-7/8" deep, meets American With Disabilities Act for wall mounted fixtures.
- Concealed pull-action spring-loaded latches to retain lens.
- 20 gauge cold rolled steel post painted baked white enamel end caps.
- Nominal 4' length.
- Four-way pull switch, (120 volt only) optional.
- Optional low voltage electronic sequential switch for push button control of up/down lighting. UL 544 listed. Includes phone jack type receptacle.

Options & accessories page 4.216

Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
Electronic T5 P.S. (28W or 54W)	**PG**	–

* Instant start

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

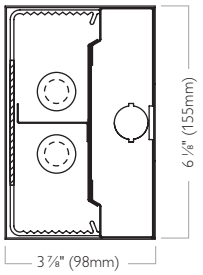


Reference data

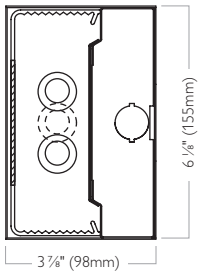
Room Size: 12' x 10' x 8' Ceiling.
Reflection: 80-50-20.80LLF
Reading Area: 35-40fc

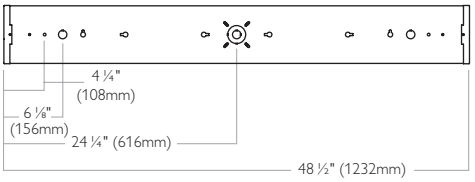
	1'	3'	5'	7'	9'
1'	15	35	52	35	15
3'	15	25	31	35	15
5'	12	14	16	14	12
7'	9	10	10	10	9
9'	8	8	8	8	7
11'	7	7	7	7	7

Independent Up/Down Light
2 T5 or T8 Lamps



Up/Down Light
1 or 2 T5 or T8 Lamps





Ordering information

Type	Size	Lamps qty–type	Wattage	Catalog number
Up/Down Light	48"	1-T5	28W	**DM4X128**
		1-T8	32W	**DM4X132**
		1-T5HO	54W	**DM4X154**
		2-T5	28W	**DM4X228**
		2-T8	32W	**DM4X232**
		2-T5HO	54W	**DM4X254**
Independent Up or Down Light	48"	2-T5	28W	**DM4R228**
		2-T8	32W	**DM4R232**
		2-T5HO	54W	**DM4R254**

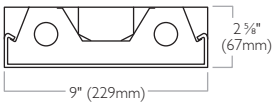
Example

DM4X232	UNV	HI	A
Dorm Lyte Wall Mounted Fluorescent	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or T5 Ballast)	**Ballast** See page 4.158	**Options** See page 4.158 and page 4.216

Dominaire Surface

Surface

WA4A232UNVHI



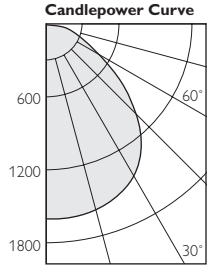
Reference data

Efficiency	70.9%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	63.0W
Luminaire Eff (LER)	56.5

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Prismatic Luminaire	9" x 49 9/16"	2-T8	**WA4A232**

Example **WA4A232** + **UNV** + **HI** + **A**

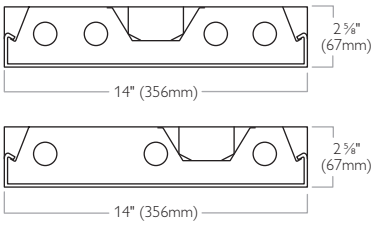
Dominaire Surface Wrap Luminaire

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

Ballast
See page 4.159

Options
See page 4.159 and page 4.216

WB4B432UNVH4



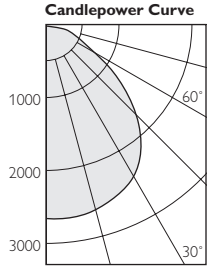
Reference data

Efficiency	70.1%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	84.4W
Luminaire Eff (LER)	71.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Surface Prismatic Luminaire	14" x 48 3/4"	2-T8	**WB4B232**
	14" x 48 3/4"	3-T8	**WB4B332**
	14" x 48 3/4"	4-T8	**WB4B432**
	24" x 48 5/8"	4-T8	**WB2B417**
	24" x 48 5/8"	2-TT5-40	**WB2B2FT**

Example **WB4B432** + **UNV** + **H4** + **A**

Dominaire Surface Wrap Luminaire

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

Ballast
See page 4.159

Options
See page 4.159 and page 4.216

Features

- Step back housing for an apparent depth of 1 1/2".
- Prismatic virgin acrylic lens.
- Luminous catadioptric end caps.
- Two side shelf-leveling lens hinging.
- 9" wide, 4' nominal lengths.
- 14" wide, 4' nominal length.
- Zip-clip flush mount on T-grid ceilings.
- Off-center 7/8" K.O. for flush mount to T-grid ceiling.
- Optional UL-listed low density mounting spacers.
- Completely assembled with setup ends to lamp holders.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 2 Lamp Electronic TT5 (40W)	**SB***, **PR****	**IB***
1 - 3 Lamp Electronic T8	**H3***, **P3****	**O3***
1 - 4 Lamp Electronic T8	**H4***, **P4****	**O4***
LOL T8 Dimming	–	**PS**

* Instant start
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Canopy spacer: Suspends fixture 1 1/2" from surface. Order Catalog no. **AC1 CSP**.

Stem and canopy sets: Suspend fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.) Catalog no.: **ASC6 CSP** (6"); **ASC12 CSP** (12"); **ASC18 CSP** (18"); **ASC24 CSP** (24").

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Stems not available with 3 lamp unit.

LWBU Universal

Wall mounted downlight or uplight/downlight

Features

- Universal luminaire that has uplight/downlight or downlight capabilities on the same fixture.
- Low brightness controlled downlighting and uplighting/downlighting.
- Low brightness linear prismatic virgin acrylic refractor.
- Invisible steel latches align refractor to housing.
- Individual or continuous rows.
- For over mirror, over bed, corridor, stairwell and bulletin board applications.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

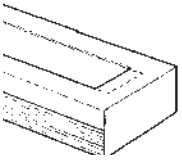
Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start

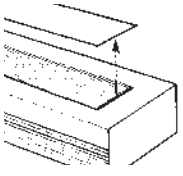
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

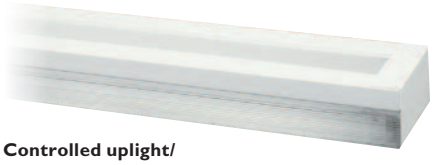
Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Uplight lens cover for downlight only



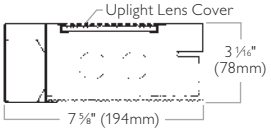
Uplight lens cover removed for uplight/downlight



Controlled uplight/downlight (LWBU)

LWBU232UNVHI

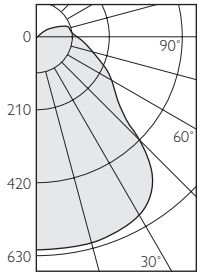
1 & 2 Lamp Downlight



Reference data

Efficiency	62.4%
Spacing ratio	1.2

Candlepower Curve



Ordering information

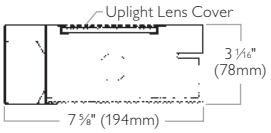
Type	Size	Lamp qty–type	Catalog no.
Downlight	7⅝" x 25½"	1-T8	**LWBU117**
	7⅝" x 37½"		**LWBU125**
	7⅝" x 49½"		**LWBU132**
	7⅝" x 25½"	2-T8	**LWBU217**
	7⅝" x 37½"		**LWBU225**
	7⅝" x 49½"		**LWBU232**

Example

LWBU132	UNV	HI	A
LWBU	**Voltage**	**Ballast**	**Options**
Wall Mounted Downlight Luminaire	**120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	See page 4.160	See page 4.160 and page 4.216

LWBU232UNVHI

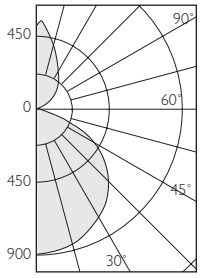
1 & 2 Lamp Uplight/Downlight



Reference data

Efficiency	65.2%
Spacing ratio	1.2

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Uplight / Downlight	7⅝" x 25½"	1-T8	**LWBU117**
	7⅝" x 37½"		**LWBU125**
	7⅝" x 49½"		**LWBU132**
	7⅝" x 25½"	2-T8	**LWBU217**
	7⅝" x 37½"		**LWBU225**
	7⅝" x 49½"		**LWBU232**

Example

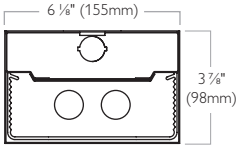
LWBU132	UNV	HI	A
LWBU	**Voltage**	**Ballast**	**Options**
Wall Mounted Uplight/Downlight Luminaire	**120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	See page 4.160	See page 4.160 and page 4.216

LSW

Wall mounted/ceiling mounted

LS4R232UNVHI

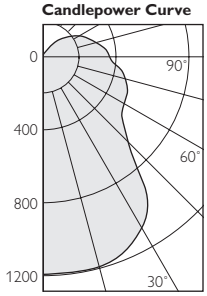
1 Lamp Downlight



Reference data

Efficiency	73.9%
Spacing ratio	1.3

Candlepower Curve



Ordering information

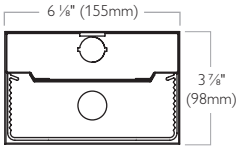
Type	Size	Lamp qty–type	Catalog no.
Prismatic Lens Luminaire	6" x 23 15⁄16" 6" x 47 15⁄16"	2-T8	**LS2R217** **LS4R232**

Example

LS4R232	UNV	HI	A
LSW Wall or Ceiling Mounted Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.161	**Options** See page 4.161 and page 4.216

LS4R132UNVHI

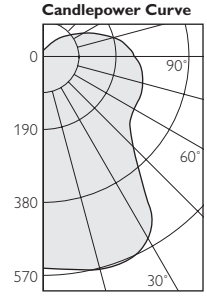
2 Lamp Downlight



Reference data

Efficiency	76.9%
Spacing ratio	1.4

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Prismatic Lens Luminaire	6" x 23 15⁄16" 6" x 47 15⁄16"	1-T8	**LS2R117** **LS4R132**

Example

LS4R132	UNV	HI	A
LSW Wall or Ceiling Mounted Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.161	**Options** See page 4.161 and page 4.216

Features

- For ceiling or wall (vertically or horizontally) mounted applications.
- Only 3 7/8" deep, meets Americans with Disabilities Act (wall mounted).
- Low brightness .125 thick linear prismatic virgin acrylic refractor.
- Invisible spring steel latches align refractor to housing.
- 20 gauge cold rolled steel post painted baked white enamel end caps.
- For over mirror, over bed, corridor, stairwell and bulletin board applications.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Deepcel Surface 2' x 4' & 2' x 2'

3" parabolic louver surface fluorescent luminaires

Features

- Only 5 1/2" deep.
- Welded 20 gauge steel body.
- 45° mitered corners (body and louver).
- Side-mounted ballast for cooler operation.
- 3" deep aluminum parabolic louver.
- Vertical grain on louver eliminates reflected lamp image on cross baffle.
- Matches Deepcel 2x2 and 2x4 recessed.
- Perfectly uniform four-side black reveal.
- Spring-loaded latches.
- Reversible louver hinging.
- Door jamb with integral positive light stop.
- Flush end K.O.'s for smooth surface appearance (at end of row or individual).
- Louver has polyethylene dust guard.
- Meets NYC Code requirements.

Options & accessories page 4.130

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Electronic T8	**H3***, **P3****	**O3***
1 - 4 Lamp Electronic T8	**H4***, **P4****	**O4***
1 - 3 Lamp Elec. TT5 (40W)	**I3***	**X3***
1 & 2 Lamp Elec. TT5 (40W)	**IB***, **PR****	**SB***

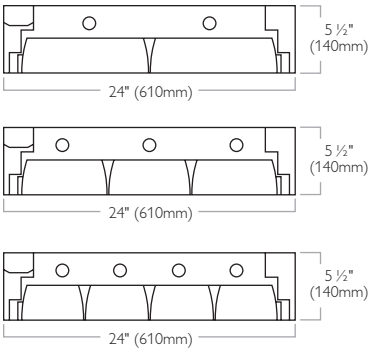
* Instant start
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Stem and canopy sets: Suspend fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.) Catalog no.: **ASC6 CSP** (6"); **ASC12 CSP** (12"); **ASC18 CSP** (18"); **ASC24 CSP** (24").

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

DPB2S18LS332UNVH3

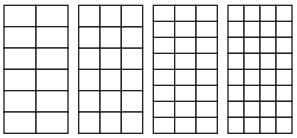


Reference data

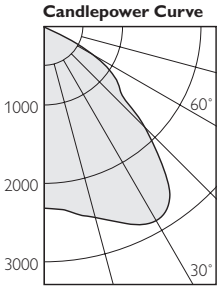
Efficiency	69.6%
Spacing ratio	1.6

Electronic ballast

Input watts (120V)	85.0W



Candlepower Curve



Ordering information

Type	Cells	Size	Lamp qty–type	Catalog no.
Surface Parabolic	12	2' x 4'	2-T8	**DPB2S12LS232**
	18		3-T8	**DPB2S18LS332**
	24		3-T8	**DPB2S24LS332**
	32		4-T8	**DPB2S32LS432**

Example **DPB2S18LS332**

Deepcel Surface
Surface 3" Parabolic

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

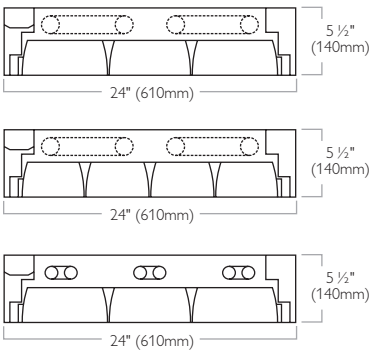
H3

Ballast
See page 4.162

A

Options
See page 4.162 and page 4.130

DPB2S9LS26UUNVHI

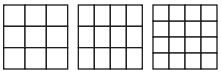


Reference data

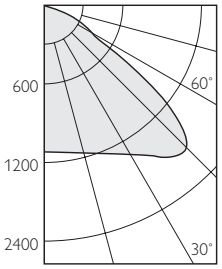
Efficiency	57.6%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	60.0W



Candlepower Curve



Ordering information

Type	Cells	Size	Lamp qty–type	Catalog no.
Surface Parabolic	9	2' x 2'	2-T8 U6	**DPB2S9LS26U**
	12		2-T8 U6	**DPB2S12LS26U**
	16		2-T8 U6	**DPB2S16LS26U**
	9		3-T8 17W	**DPB2S9LS317**
	9		3-TT5 Biax	**DPB2S9LS3FT**
	9		3-T8U1.6	**DPB2S9LS32U**
	12		3-TT5 Biax	**DPB2S12LS3FT**
	12		3-T8U1.6	**DPB2S12LS32U**

Example **DPB2S9LS26U**

Deepcel Surface
Surface 3" Parabolic

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

HI

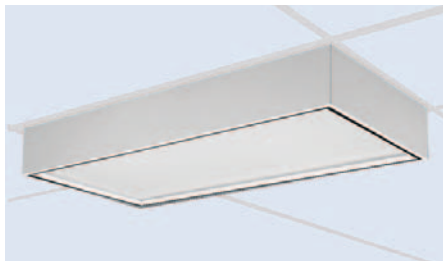
Ballast
See page 4.162

A

Options
See page 4.162 and page 4.130

Prismalyte Surface 2'x4', 2'x2' & 1'x4'

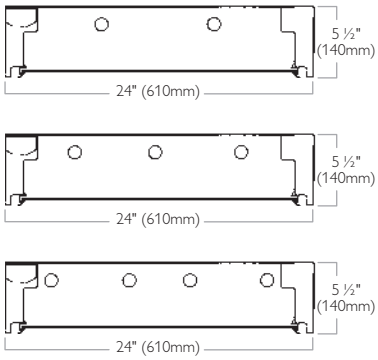
Premium specification lensed surface fluorescent luminaires



Features

- 20 gauge steel housing.
- Housing mitered corner detailing.
- Only 5 1/2" deep.
- Dual side wireways for cooler operation.
- Quick remove ballast covers.
- Fully enclosed wiring.
- Available in three lens frame styles.
- Door jamb with positive light stop.
- Positive spring-loaded or cam-action latches.
- Available with floating or full size doors.
- Aluminum doors with mitered corners.
- Matches Prismalyte troffer (see page 4.122).
- Meets NYC Code requirements.
- Matches 1x4, 2x2, 2x4 Prismalyte Recessed.

PNB2SRAVA432UNVH4



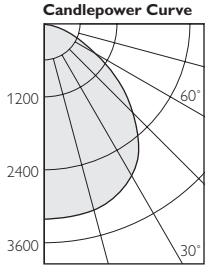
Reference data

Efficiency	60.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	112W

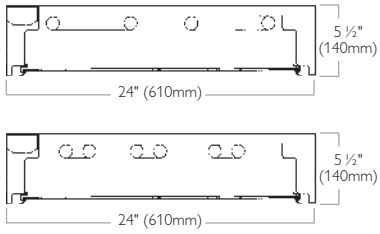
Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Surface Parabolic	2' x 4'	2-T8	**PNB2SRAVA232**
		3-T8	**PNB2SRAVA332**
		4-T8	**PNB2SRAVA432**

PNB2SRAVA26UUNVHI



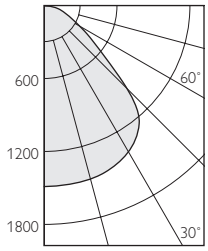
Reference data

Efficiency	57.3%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	60.0W

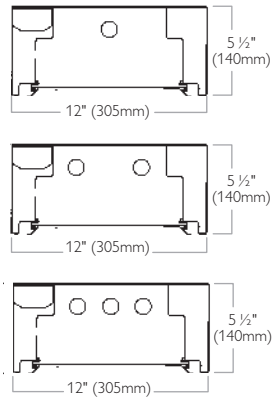
Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Surface Parabolic	2' x 2'	2-T8 U6	**PNB2SRAVA26U**
		3-TT5	**PNB2SRAVA3FT**
		3-T8 U1.6	**PNB2SRAVA32U**

PNB1SRAVA232UNVHI



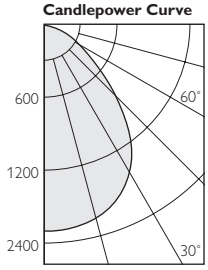
Reference data

Efficiency	58.4%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	62.0W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Surface Parabolic	1' x 4'	1-T8	**PNB1SRAVA132**
		2-T8	**PNB1SRAVA232**
		3-T8	**PNB1SRAVA332**

Example **PNB1SRAVA232**

Prismalyte Surface
Premium Lensed Surface Luminaire

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

HI

Ballast
See page 4.163

A

Options
See page 4.163 and page 4.130

Options & accessories page 4.130

Special lenses: VA lens is standard virgin acrylic. For other available lenses, see page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Electronic T8	**H3***, **P3****	**O3***
1 - 4 Lamp Electronic T8	**H4***, **P4****	**O4***
1 - 3 Lamp Elec. TT5 (40W)	**I3***	**X3***
1 & 2 Lamp Elec. TT5 (40W)	**IB***, **PR****	**SB***

* Instant start
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

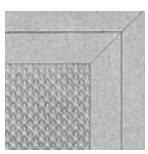
Stem and canopy sets: Suspend fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.) Catalog no.: **ASC6 CSP** (6"); **ASC12 CSP** (12"); **ASC18 CSP** (18"); **ASC24 CSP** (24").

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

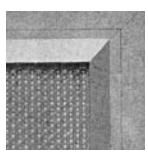
The Prismalyte Surface box

Available with your choice of 3 different Door frames.

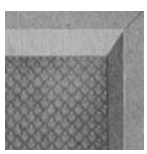
To specify which Door frame you prefer, use door name abbreviation indicated in Catalog number (PNB2S**RA**VA232).



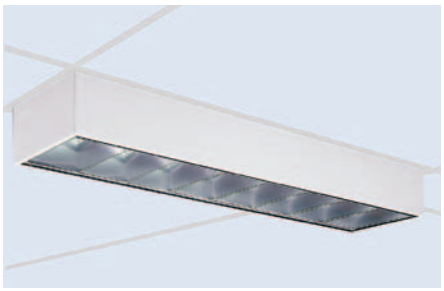
FA = Flush Aluminum Full-Size Door



RA = Regressed Aluminum Full-Size Door



RF = Regressed Aluminum Floating Door



Vision Smart Surface 1' x 4'

Surface

Features

- 20 gauge steel welded body.
- Side mounted ballast for cooler operation.
- 45° mitered corners (body and louver).
- 3" deep cell aluminum parabolic louver (VRB).
- Spring-loaded latches.
- Perfectly uniform four side reveal.
- Low-iridescence, semi-specular aluminum, standard.
- Louver has polyethylene dust guard.
- Meets NYC Code requirements.
- Louver assembly can be replaced with any of 3 standard Philips Lightolier Door frames.

Options & accessories page 4.216

Louver finish: Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
LOL T8 Dimming	–	**PS**

* Instant start

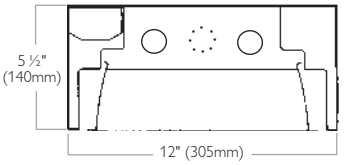
** Program start

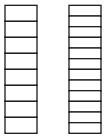
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Stem and canopy sets: Suspend fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.) Catalog no.: **ASC6 CSP** (6"); **ASC12 CSP** (12"); **ASC18 CSP** (18"); **ASC24 CSP** (24").

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

VRB1S8LS132UNVHI





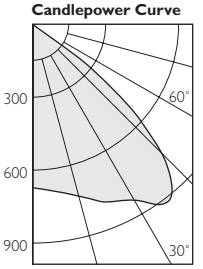
Reference data

Efficiency	66.0%
Spacing ratio	1.9

Electronic ballast

Input watts (120V)	30.0W

Candlepower Curve



Ordering information

Type	Cells	Size	Lamp qty–type	Catalog no.
Surface Parabolic	8	1' x 4'	1-T8	**VRB1S8LS132**
	12		1-T8	**VRB1S12LS132**
	8	1' x 4'	2-T8	**VRB1S8LS232**
	12		2-T8	**VRB1S12LS232**

Example

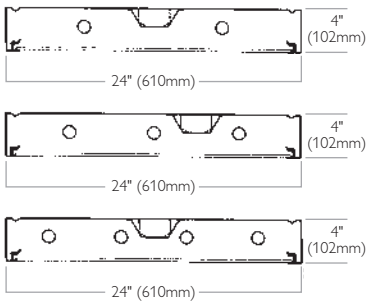
VRB1S8LS132	UNV	HI	A
Vision Smart Surface 1'x 4'	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.164	**Options** See page 4.164 and page 4.216

SLB 2' x 4', 2' x 2' & 1' x4'

High performance lensed surface fluorescent luminaires

High quality surface luminaires with 4" deep housings. Door frames are extruded aluminum or steel. SLB series surface luminaires can be used in low plenum depth areas that require surface luminaires.

SLB2SFSVA432UNVH4



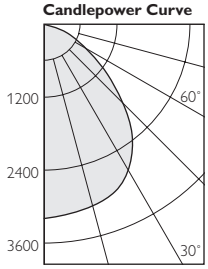
Reference data

Efficiency	67.1%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	112.0W

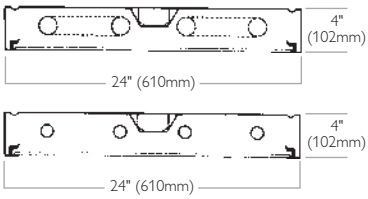
Candlepower Curve



Ordering information

Type	Door frame	Size	Lamp qty–type	Catalog no.
Surface Luminaire	Flush Steel	2' x 4'	2-T8	**SLB2SFSVA232**
			3-T8	**SLB2SFSVA332**
			4-T8	**SLB2SFSVA432**
	Regressed Aluminum	2' x 4'	2-T8	**SLB2SRAVA232**
			3-T8	**SLB2SRAVA332**
			4-T8	**SLB2SRAVA432**

SLB2SFSVA26UUNVHI



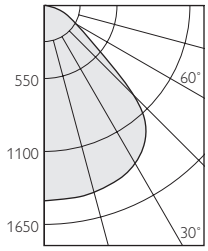
Reference data

Efficiency	63.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	60.0W

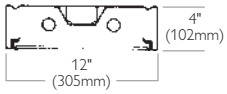
Candlepower Curve



Ordering information

Type	Door frame	Size	Lamp qty–type	Catalog no.
Surface Luminaire	Flush Steel	2' x 2'	2-T8 U6 4-17W	**SLB2SFSVA26U** **SLB2SFSVA417**
	Regressed Aluminum	2' x 2'	2-T8 U6 4-17W	**SLB2SRAVA26U** **SLB2SRAVA417**

SLB1SFSVA232UNVHI



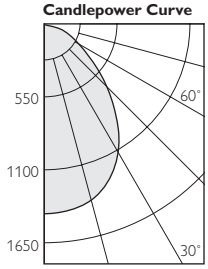
Reference data

Efficiency	56.2%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	62.0W

Candlepower Curve



Ordering information

Type	Door frame	Size	Lamp qty–type	Catalog no.
Surface Luminaire	Flush Steel	1' x 4'	2-T8	**SLB1SFSVA232**
	Regressed Aluminum	1' x 4'	2-T8	**SLB1SRAVA232**

Example **SLB1SFSVA232**

SLB
High Performance Lensed Surface Luminaire

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

HI

Ballast
See page 4.165

Options
See page 4.165 and page 4.216

Features

- Shallow 4" deep, 20 gauge steel housing.
- Positive cam-action latches secure frame on either side.
- Center mounted ballast compartment.
- Snap-on wiring channel cover is removed without tools.
- Matte black light seal on both ends to prevent light leaks.

Options & accessories page 4.216

Special lenses: VA lens is standard virgin acrylic. For other available lenses, see page 4.130.

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 3 Lamp Electronic T8	**H3***, **P3****	**O3***
1 - 4 Lamp Electronic T8	**H4***, **P4****	**O4***

* Instant start
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

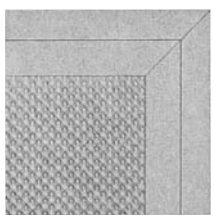
Stem and canopy sets: Suspend fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.) Catalog no.: **ASC6 CSP** (6"); **ASC12 CSP** (12"); **ASC18 CSP** (18"); **ASC24 CSP** (24").

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

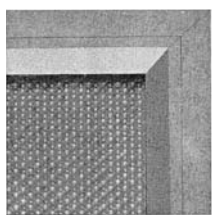
The Prismalyte Surface box

Available with your choice of 2 different door frames.

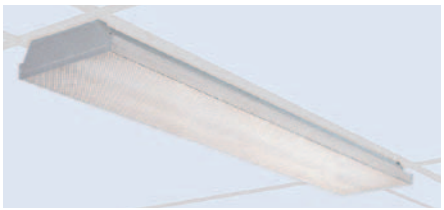
To specify which door frame you prefer, use door name abbreviation indicated in catalog number (PNB2S**RA**VA232).



FS = Flush Steel



RA = Regressed Aluminum



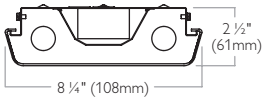
Jet Star Lens

Surface

Features

- Ideal for low ceiling height applications where recessed units cannot be used.
- 2 13/16" total depth.
- Step-back housing for an apparent depth of 1 3/4".
- A shallow profile and linear prismatic sides combine to reduce ceiling contrast.
- Virgin acrylic lens with one-piece extruded prismatic pattern 12 bottom and linear prism side walls.
- Shielding hinges from either side (self-leveling).
- Full-length ballast cover snaps-in, snaps-out (no tools).
- Individual or continuous row installations.
- Suitable for mounting on low-density cellulose fiberboard surfaces.
- Suitable for damp locations.

JS4A232UNVHI



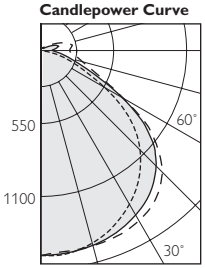
Reference data

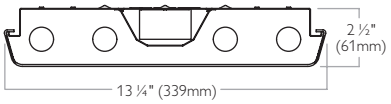
Efficiency	85.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	56.0W
LER	78.2

Candlepower Curve





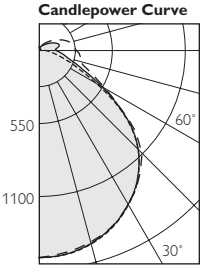
Reference data

Efficiency	90.7%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	57.0W
LER	81.6

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Jet Star Lens Luminaire	8 ¼" × 24"	2-T12	**JS2A220**
	8 ¼" × 24"	2-T8	**JS2A217**
	8 ¼" × 48"	2-T8	**JS4A232**
	8 ¼" × 96"	4-T8*	**JS8A232**
	13 ¼" × 48"	4-T8	**JS4B432**

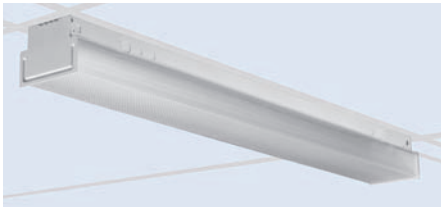
* 2-Lamps In Tandem - 4 Lamps Total

Example **JS4A232**
Jet Star lens
Surface

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

HI
Ballast
See page 4.166

A
Options
See page 4.166 and page 4.216



Jet Star Corridor Lens

Surface

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***, **P2****	**SO***
1 - 4 Lamp Electronic T8	**H4***, **P4****	**O4***
LOL T8 Dimming	–	**PS**

* Instant start
** Program start
For 20W T12, use Ballast suffix **PL**.

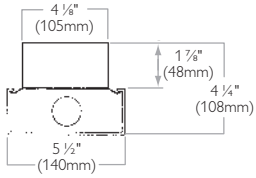
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts or emergency pack, consult factory.

Canopy spacer: Suspends fixture 1 1/4" from surface. Order Catalog no. **AC1 CSP**.

Stem and canopy sets: Suspend fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.) Catalog no.: **ASC6 CSP** (6"); **ASC12 CSP** (12"); **ASC18 CSP** (18"); **ASC24 CSP** (24").

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

JS4C132UNVHI



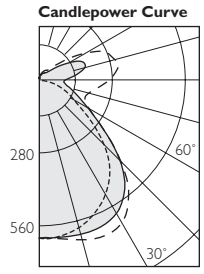
Reference data

Efficiency	84.3%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	34.3W
LER	77.7

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Catalog no.
Jet Star Lens Luminaire	5 ½" × 24"	1-T12	**JS2C120**
	5 ½" × 24"	1-T8	**JS2C117**
	5 ½" × 24"	2-T12	**JS2C220**
	5 ½" × 24"	2-T8	**JS2C217**
	5 ½" × 48"	1-T8	**JS4C132**
	5 ½" × 48"	2-T8	**JS4C232**
	5 ½" × 96"	2-T8*	**JS8C132**
	5 ½" × 96"	4-T8**	**JS8C232**

*1-Lamp in tandem - 2 lamps total
**2-Lamps in tandem - 4 lamps total
For T5 options consult factory

Example **JS4C132**
Jet Star Corridor lens
Surface

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

HI
Ballast
See page 4.166

A
Options
See page 4.166 and page 4.216

Task lighting

Contents

Pristine > 4.168
Taskmaster I > 4.169
Taskmaster II > 4.169
Taskmaster Solid Front T8 > 4.170
Taskmaster Solid Front T5 > 4.171

Pristine

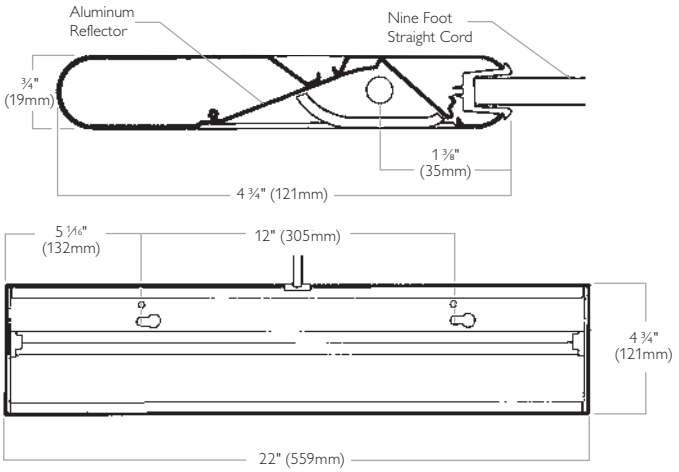
T2 Task lighting

Features

- Architecturally pleasing rounded slim profile only 3/4" deep x 4-3/4" wide.
- Provides median foot candle level of 55 on 2' x 5' desk top.
- Prismatic acrylic spread lens.
- Flush push button switch.
- Electronic program start <10 THD ballast.
- Lamp T2 13W, CRI= 80, color temperature 3500K, lamp is included.
- Nine foot straight black cord.
- Baked pewter polyester enamel finish for cord and plug.
- Baked white polyester enamel finish for hardwire option.
- Meets New York City requirements for task lighting.

Please consult factory for any further options.

Pristine



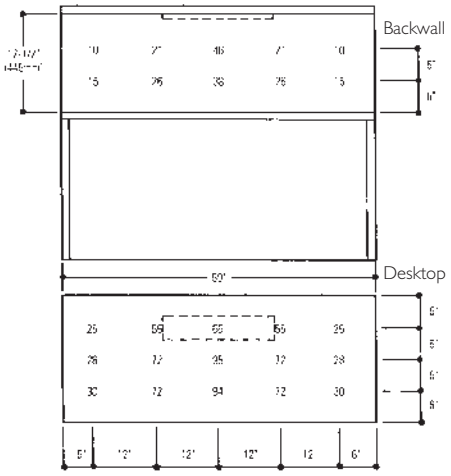
Ordering information

Type	Color	Length	Lamp qty–type	Lamp watts	Catalog no.
Pristine One Lamp with Cord and Plug	Pewter	22"	1-T2	13W	**PC2P13T2120PTCPB**
Pristine One Lamp with Chicago Style Plug	Pewter	22"	1-T2	13W	**PC2P13T2120PTCPBCH**

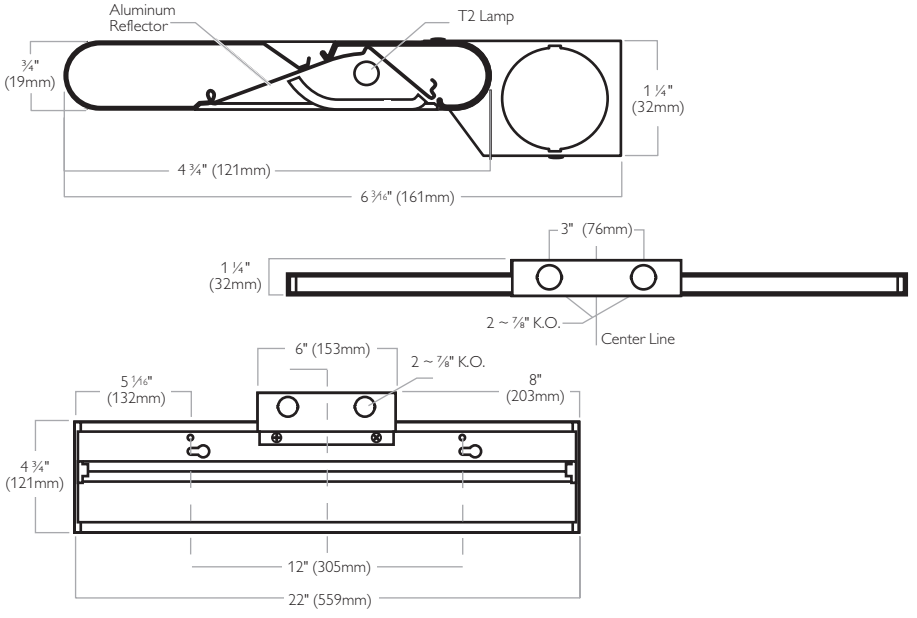
Pristine

Hard wire series

Pristine Footcandle Readings



Pristine



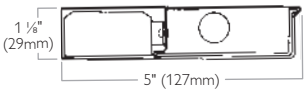
Ordering information

Type	Color	Length	Lamp qty–type	Lamp watts	Catalog no.
Pristine One Lamp Hardwire	White	22"	1-T2	13W	**PC2W13T2120PTHW**

Taskmaster I

Under shelf luminaires

Taskmaster



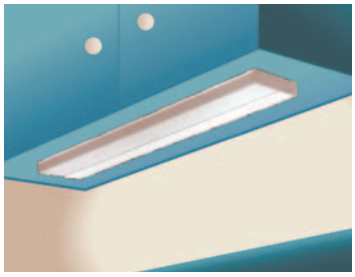
Ordering information

Type	Length	Lamp watts/Type	Catalog no.
Taskmaster I (One Lamp)	12 ¼"	8PH	**TSL0018W BPR**
	21 ¼"	13PH	**TSL0113W BPR**
	33 ½"	8PH/13PH (1 each)	**TSL1813W BPR**
Taskmaster I (Two Lamp)	24 ¼"	8PH	**TSL0028W BPR**
	42 ½"	13PH	**TSL0213W BPR**

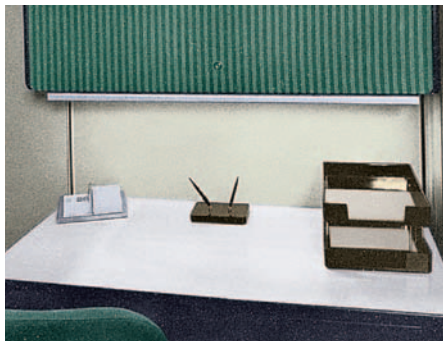
Example **TSL0018W BPR**

Taskmaster I
Under Shelf Luminaire

For electronic ballast, substitute **TSLP** for **TSL**, e.g: **TSLP0018W BPR**.



Attractive, unobtrusive lighting



Features

- 1 1/8" shallow depth.
- Five nominal lengths: 12", 21", 24", 33", 42".
- Grounded convenience outlet (optional).
- On/off rocker switch (included in supply pack).
- Baked white enamel finish.

Options & accessories

Accessories that will ship separately order the following:

GLR-B (6 pack of 3 amp fusing)

RIF-SUPR (1-RFI suppressor)

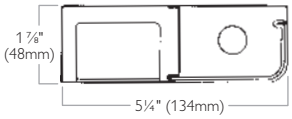
CONV OUTLET 10-pack
(10 pack of outlets and hardware)

Accessories are for field installation.

Taskmaster II

Under shelf luminaires

Taskmaster



Ordering information

Type	Length	Lamp qty–type	Lamp watts	Catalog no.
Taskmaster II	18 ⅛"	TS-T12	15W	**TCU15W120P BPR**
	24 ⅛"	TS-T12	20W	**TCU20W120P BPR**
	36 ⅛"	TS-T12	30W	**TCU30W120P BPR**
	48 ⅛"	TS-T12	40W	**TCU40W120P BPR**
	24 ⅛"	T8	17W	**TCU20WUNVRO BPR**
	36 ⅛"	T8	25W	**TCU30WUNVRO BPR**
	48 ⅛"	T8	32W	**TCU40WUNVRO BPR**

Features

- 1 7/8" shallow depth.
- Four nominal lengths: 18", 24", 36", 48".
- Grounded convenience outlet (optional).
- On/off rocker switch, standard (included in supply pack).
- Baked white enamel finish.

Options & accessories

Accessories that will ship separately order the following:

GLR-B (6 pack of 3 amp fusing)

RIF-SUPR (1-RFI suppressor)

CONV OUTLET 10-PACK
(10 pack of outlets and hardware)

Accessories are for field installation.

Example **TCU** **40** **W** **UNV** **RO** **BPR**

TCU — **Taskmaster II**
Undershelf Luminaire

40 — **Lamp/fixture length/watts**
15 = 15W TS T12 (Nom. 18")
20 = 20W TS T12 or 17W T8 (Nom. 24")
30 = 30W RS T12 or 25W T8 (Nom. 36")
40 = 40W RS T12 or 32W T8 (Nom. 48")

W — **Finish**
W = White

UNV — **Voltage**
120 = 120V (T12 Only)
UNV= 120-277V (Elec. T8 Ballast only)

RO — **Ballast**
P = Standard Magnetic T12
RO = Rapid Start <10THD T8

BPR — **Bulk pack rocker switch**
Warning (277 BPR) Bulk pack rocker switch can not be installed on fixture if 277V is being run.

Taskmaster solid front T8

Specification undershelf luminaire

Features

- 1 ¾" shallow depth.
- Three nominal lengths: 24", 36" , 48"
- Specification grade under shelf luminaire.
- Solid front design.
- Lens removable without tools for easy maintenance.
- 100% acrylic linear prismatic lens to obscure lamp image and uniformly distribute light output
- Lamp T8, CRI=70, color temp 3500K , is standard and included.
- Paint after fabrication with white polyester paint finish.
- On/off rocker switch (included in supply pack) 120 volt use only.
- Universal voltage.

Options & accessories

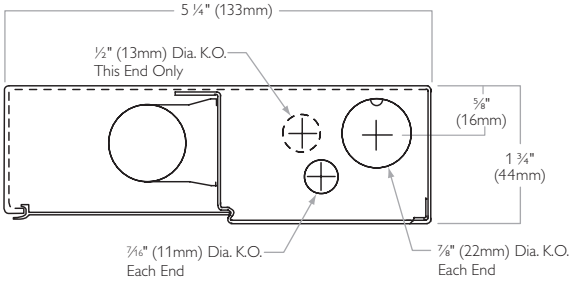
Accessories that will ship separately order the following:

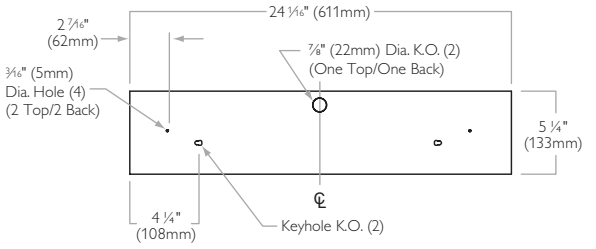
GLR-B (6 pack of 3 amp fusing)

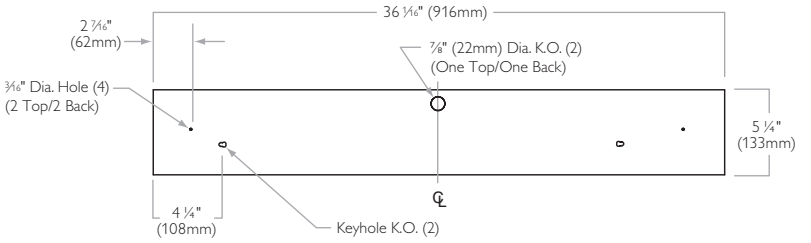
RIF-SUPR (1-RFI suppressor)

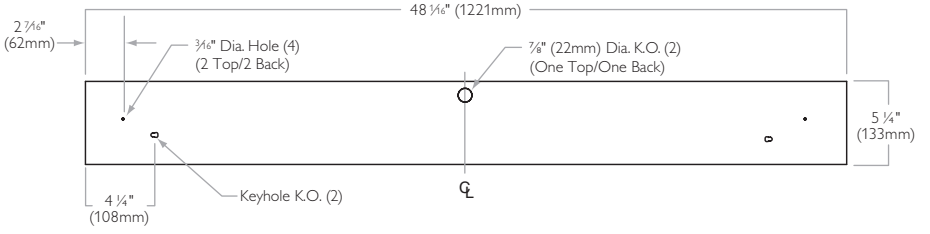
CONV OUTLET (10 PACK)

Taskmaster









Ordering information

Type	Length	Lamp qty–type	Lamp watts	Catalog no.	Electronic ballast type
Taskmaster Sold Front T8	24 1/16"	1-T8	17W	**TCF117WUNVRO BPR**	<10 Program Rapid Start
	36 1/16"		25W	**TCF125WUNVRO BPR**	
	48 1/16"		32W	**TCF132WUNVRO BPR**	
	24 1/16"	1-T8	17W	**TCF117WUNVHI BPR**	<10 Instant start
	36 1/16"		25W	**TCF125WUNVHI BPR**	
	48 1/16"		32W	**TCF132WUNVHI BPR**	

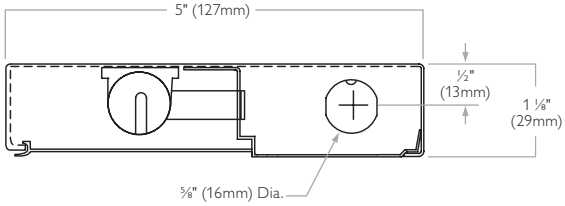
Example

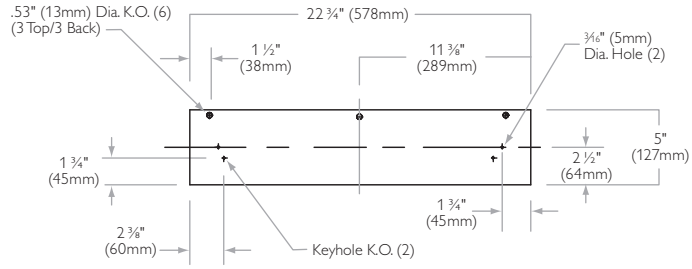
TCF	1	32	W	UNV	RO	BPR
Taskmaster Solid Front T8 Specification Undershelf Luminaire	**Lamp** **1** = Number of Lamps	**Lamp/fixture length/watts** **17** = 17W T8 (Nom 24") **25** = 25W T8 (Nom 36") **32** = 32W T8 (Nom 48")	**Finish** **W** = White	**Voltage** **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** **HI** = Instant start <10THD T8 **RO** = Rapid Start <10THD T8	**Bulk pack rocker switch** Can only be installed in a 120 volt application

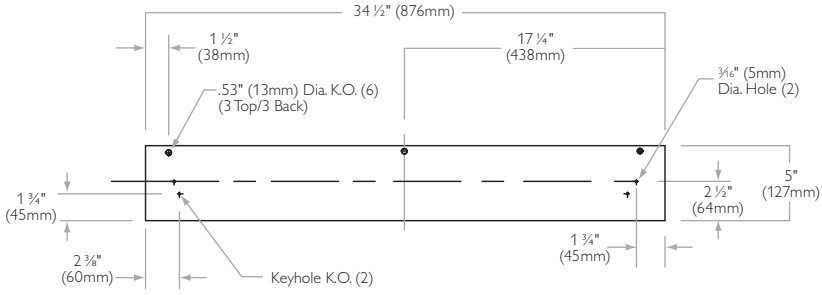
Taskmaster solid front T5

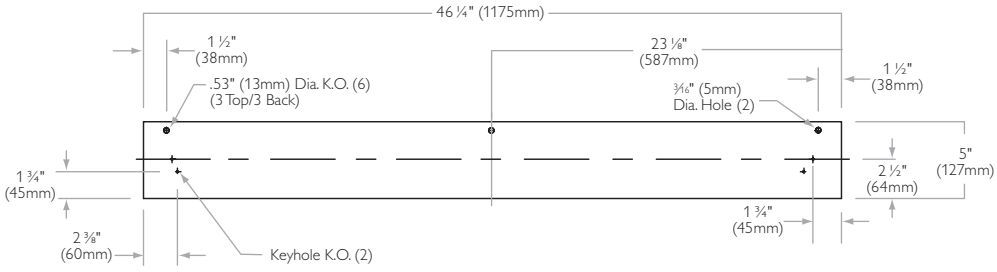
Specification undershelf luminaire

Taskmaster









Features

- 1 1/8" shallow depth.
- Three nominal lengths: 22", 34" , 46"
- Specification grade under shelf luminaire.
- Solid front design.
- Lens removable without tools for easy maintenance.
- 100% acrylic linear prismatic lens to obscure lamp image and uniformly distribute light output
- Lamp T5, CRI=80, color temp 3500K, is standard and included.
- Paint after fabrication with white polyester paint finish.
- On/off rocker switch (included in supply pack) 120 volt use only.
- Universal voltage.

Options & accessories

Accessories that will ship separately order the following:

GLR-B (6 pack of 3 amp fusing)

CONV OUTLET (10 pack)

Ordering information

Type	Length	Lamp qty–type	Lamp watts	Catalog no.	Electronic ballast type
Taskmaster Sold Front T5	22 ¾"	1-T5	14W	**TSF114WUNVPG BPR**	<10 Program Rapid Start
	34 ½"		21W	**TSF121WUNVPG BPR**	
	46 ¼"		28W	**TSF128WUNVPG BPR**	

Example **TSF**

Taskmaster
Solid Front T8 Specification Undershelf Luminaire

1

Lamp
1 = Number of Lamps

28

Lamp/fixture length/watts
14 = 14W T5 (Nom 22")
21 = 21W T5 (Nom 34")
28 = 28W T5 (Nom 46")

W

Finish
W = White

UNV

Voltage
UNV= 120-277V
(Elec. T5 Ballast only)

PG

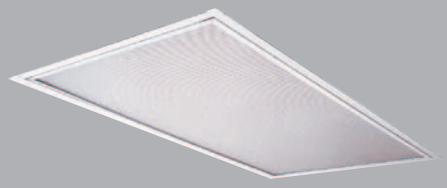
Ballast
HI = Program Rapid Start <10THD T5

BPR

Bulk pack rocker switch
Can only be installed in a 120V application

Special purpose & industrial

Special purpose luminaires that address vandal, wet and cleanroom application needs. Industrial lighting for enclosed or open luminaires where special construction is provided to meet concerns of hazardous and industrial areas for proper and safe lighting levels.



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Fluorescent high & low bays

Current statistics reveal 65% of the energy is being consumed by the commercial and industrial markets and 22% of this energy is being utilized for lighting alone. Smart business managers have discovered the incredible energy savings of up to 50% by replacing traditional HID high bay fixtures with efficient linear fluorescent T5HO and T8 luminaires. These are the ideal green solution and have the added benefits of high Philips Lightolier, illumination uniformity and instant-on starting.

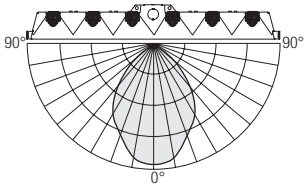
A wide variety of T5 and T8 fluorescent fixtures are offered by Philips Lightolier for high and low bay lighting, all providing exceptional features for the application they were designed for. Here are some features you may want to consider when choosing a fluorescent high bay.

Light beam

1. Selecting the right reflector is just as important as choosing the right luminaire. Reflectors determine how light is distributed in a space. Each reflector design has a specific light distribution function that is suited to certain applications better than others.

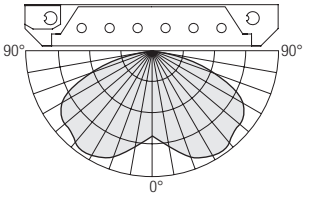
Contoured Miro IV specular reflector

Features a mirrored silver finish designed to concentrate beam spread and optimize lamp performance making it ideal to concentrate light on the racks of a warehouse or a store.



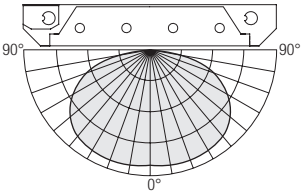
Flat Miro IV specular reflector

For assembly plant as well as retail open area, a flat design reflector with mirrored silver finish produces very wide light distribution and optimizes efficiency.



Flat white reflector

In gymnasiums, low-glare and wide light distribution which can be provided by a flat white reflector are a must.



Uplight vs. downlight only

2. A well-lit, inviting ceiling appearance contributes to a store's or working's positive ambience. Darker ceilings produce a more closed-in feeling, uncomfortable to most people. Uplight reduces the cave effect, expands the space and makes it look cleaner.

Motion sensors for additional savings

3. By including occupancy sensor controls, the energy reduction is even greater, especially in areas of a facility that have limited traffic. Unlike HID lamping, adding occupancy sensors to T5HO and T8 systems is relatively easy and inexpensive. If the addition of a sensor makes you nervous, consider using the Smart TriLyte turnkey solution which has the technology to optimize lamp life.

Whether it is for industrial, recreational or commercial uses, you will find that Philips Lightolier's fluorescent high bays deliver great lighting packages, superior energy efficiency and occupancy sensing capabilities.

Fluorescent high bay

Selection chart

Trilyte

The best design in its category including ballast ventilation and body strength. Most versatile high bay in regards to application, especially in industrial aisles.

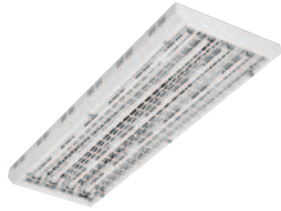
Smart Trilyte

TriLyte including Philips Alto low mercury lamps, Advance electronic ballast and a sensor optimizing lamp life and energy savings. Guaranteed for 3 years.

Trilyte Nordik

The same light output at -18°C as the regular TriLyte at 25°C, making it perfect for cold storage.

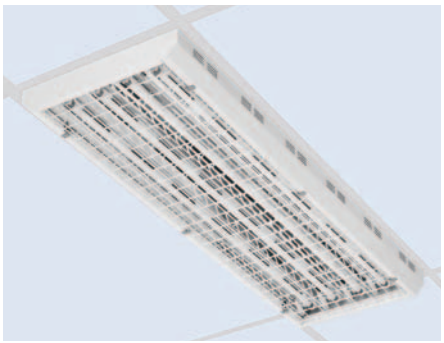
Gymlyter



Highly resistant, full body luminaire with strong wireguard.

	Design		Lamp		Distribution		Reflector			Application					Mounting		Accessories					Lamps	Warranty
	Narrow	Wide	T5	T8	Downlight/ Uplight	Downlight	Contoured MIRO IV	Flat MIRO IV	Flat White	Industrial	Recreative	Retail	Cold Environments*	Hot Environments**	Surface	Pendant	Chain	Stern	Sensor	Door	Wireguard		
Trilyte	2, 3, 4, 4T	6	•	•		•	•	•	•	•	•	•		•	•	•	•	•	•		•	•	
Smart Trilyte	4	6	•	•		•	•	•	•	•				•	•	•	•	•	STD		•	STD	3 years
Trilyte Nordik	4	6	T5HO			•	•						•		•		•			STD		STD	
Gymlyter	2, 3, 4, 4T	6	•	•		•		•	STD		•			•	•	•	•	•	•		STD	•	

STD = Standard
T = Lamps in tandem (e.g. 4T means 8 lamps total)
**Rated for use from 5°C to 55°C ambient (without lens).
**Rated for use from -18°C to 5°C ambient.
For any special solution, contact your Philips Lightolier representative.



TriLyte Narrow

Narrow-body 2, 3 & 4 lamp lowbay surface/pendant luminaire

Designed for Trade (commercial spaces), Recreational and Industrial locations, TriLyte provides much needed versatility in lowbay applications. Using the appropriate lamp, wattage and reflector options, this narrow-body version is also suitable for highbay lighting, particularly retail outlets and indoor sports facilities. Its low-profile housing (almost 1" shallower than most competing models) is perfect for areas that place a premium on luminaire appearance. Dual-circuit TriLyte equipped with optional motion sensor delivers added lighting control flexibility for industrial applications.

Features

- Sturdy one-piece post-painted housing providing clean, smooth,installation-friendly corners.
- Side-mounted ballast for low 2-3/4" profile.
- Mounting heights from 12' to 45' with suitable lamping-reflector lens selection.
- 2, 3 and 4-lamp versions (cross-section view).
- Available in 4' and 8' lengths.
- Choice of contoured specular, flat specular or flat white reflector.
- Contoured specular reflector offers optimum performance and 95% reflectivity (not available on 2-lamp model).
- Choice of stem, surface or chain mounting.
- Accepts emergency battery packs.
- Available motion sensor allows for total lighting control, added energy savings.

Options & accessories

Ballast: Specify voltage (120, 277 or UNV) and add as suffix, e.g. **120PU**.

Ballast type	<10THD
Elect. I.S. T8, (1) 4-Lamp	**H4**
Elect. I.S. T8, (1) 4-Lamp & (1) 2-Lamp	**H5**
Elect. I.S. T8, (2) 4-Lamp one 4-Lamp ballast to operate outside lamps one 4-lamp ballast to operate inside lamps	**H7**
Elect. P.S. T5/T5HO, (1) 2-Lamp	**PG**
Elect. P.S. T5/T5HO, (1) 3-Lamp	**PU**
Elect. P.S. T5/T5HO, (1) 4-Lamp	**PV**
Elect. P.S. T5/T5HO, (1) 4-Lamp & (1) 2-Lamp one 4-Lamp ballast to operate outside lamps one 2-lamp ballast to operate inside lamps	**P6**
Elect. P.S. T5/T5HO, (2) 3-Lamp one 3-Lamp for 1, 3, & 5 and one 3-Lamp for 2, 4, & 6	**P7**
Elect. P.S. T5/T5HO, (2) 4-Lamp one 4-Lamp for 1, 3, & 5 and one 4-Lamp for 2, 4, & 6	**P8**

Consult your representative for other ballast options.

Electrical/wiring options:
Consult your Philips Lightolier representative.

Stem and canopy sets 4 stems required per luminaire. Order cat. no. **ASC12 CSP** (12"), **ASC18 CSP** (18"), **ASC24 CSP** (24"), **ASC36 CSP** (36"), **ASC48 CSP** (48").

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

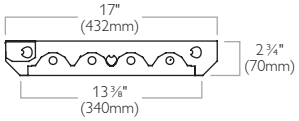
Chain hanger kit: 2 kits required per luminaire. Order catalog number **EE9HC**.

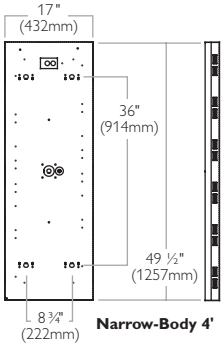
Wireguard/lens: Variety of shielding options available.

Luminaire-mounted motion sensor: 360° coverage. Field installed. Only available on luminaires with contoured specular reflectors. Order catalog number **FH360**.

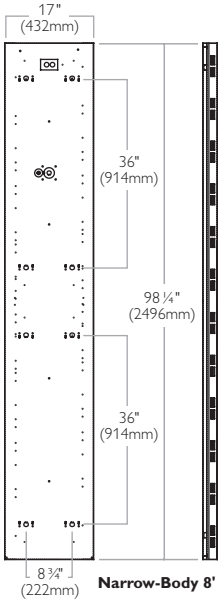
Remote-mounted motion sensor: Narrow coverage. Field installed. Order catalog number **FH110**.

FH4C4DXX454120PV





Narrow-Body 4'



Narrow-Body 8'

XX = Version without lens shielding.

RCP	C.U.
1	63
2	57
3	51
4	45
5	41
6	37
7	33
8	30
9	27
10	24

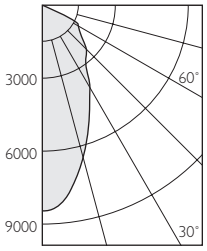
Reference data

Efficiency	89.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	58W
LER FI-T	6.0

Candlepower Curve

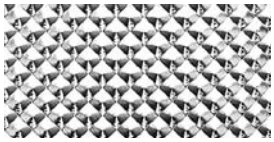


Application data*

Luminaire spacing		FC	W/Sq Ft
300' x 400' x 25' Space	17' on center	50	0.81
120' x 80' x 28' Space	16' on center	55	0.98
300' x 400' x 25' Space	14' on center	75	1.15

* Average Footcandles Maintained. Total LLF = 0.84.
Reflectance: 80% Ceiling, 50% Wall, 20% Floor.
54W T5HO lamp rated at 4400 lumens at 25°C.

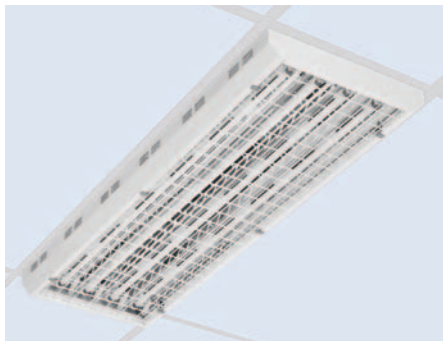
WW = White hinged wireguard only (no lens), 9-gauge wire adding rigidity to luminaire.



VA = Pattern 12 prismatic lens made of virgin acrylic (.095" nominal). Complete with hinged white wireguard.

VI = Pattern 12 prismatic lens made of virgin acrylic (.125" nominal). Complete with hinged white wireguard.

TriLyte Narrow



Narrow-body 2, 3 & 4 lamp lowbay surface/pendant luminaire

Designed for Trade (commercial spaces), Recreational and Industrial locations, TriLyte provides much needed versatility in lowbay applications. Using the appropriate lamp, wattage and reflector options, this narrow-body version is also suitable for highbay lighting, particularly retail outlets and indoor sports facilities. Its low-profile housing (almost 1" shallower than most competing models) is perfect for areas that place a premium on luminaire appearance. Dual-circuit TriLyte equipped with optional motion sensor delivers added lighting control flexibility for industrial applications.

Ordering information for T5

Type	Lamp qty/type	Lamp/luminaire nominal length	Luminaire width	Catalog no.
Prismatic Lens (VI) with Wireguard	2-T5HO	48"	17"	**FH4W4DVI254UNVPG**
	3-T5HO	48"		**FH4C4DVI354UNVPG**
	4-T5HO	48"		**FH4C4DVI454UNVPG**
	6-T5HO	96" tandem		**FH8C4DVI354UNVP6**
	8-T5HO	96" tandem		**FH8C4DVI454UNVP8**
White Wireguard with No Lens	2-T5HO	48"	17"	**FH4W4DWW254UNVPG**
	3-T5HO	48"		**FH4C4DWW354UNVPG**
	4-T5HO	48"		**FH4C4DWW454UNVPG**
	6-T5HO	96" tandem		**FH8C4DWW354UNVP6**
	8-T5HO	96" tandem		**FH8C4DWW454UNVP8**

Ordering information for T8

Type	Lamp qty/type	Lamp/luminaire nominal length	Luminaire width	Catalog no.
Prismatic Lens (VI) with Wireguard	2-T8	48"	17"	**FH4W4DVI232UNVHI**
	3-T8	48"		**FH4C4DVI332UNVH3**
	4-T8	48"		**FH4C4DVI432UNVH4**
	6-T8	96" tandem		**FH8C4DVI332UNVH5**
	8-T8	96" tandem		**FH8C4DVI432UNVH7**
White Wireguard with No Lens	2-T8	48"	17"	**FH4W4DWW232UNVHI**
	3-T8	48"		**FH4C4DWW332UNVH3**
	4-T8	48"		**FH4C4DWW432UNVH4**
	6-T8	96" tandem		**FH8C4DWW332UNVH5**
	8-T8	96" tandem		**FH8C4DWW432UNVH7**

Example **FH4W4DWW454**

Basic catalog no.
TriLyte Luminaire

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

PV

Ballast
See previous page

A

Options
See previous page

Acronyms used

CU = Coefficients of utilization
FC = Footcandles
IS = Instant start
LLF = Light loss factor
PS = Program start
RCR = Room cavity ratio
THD = Total harmonic distortion

Numbering logic

FH	4	W	4	D	WW	4	54	UNV	PV	
Luminaire type	**Luminaire length**	**Body style**	**Width**	**Type**	**Lens/shielding**	**Lamp qty in a luminaire cross-section**	**Lamp/type**	**Voltage**	**Ballast**	**Options**
FH = TriLyte	**4** = 4' **8** = 8'	**W** = Flat Design White Reflector **C** = Contoured Specular Reflector **S** = Flat Design Specular Reflector	**4** = 17"	**D** = Downlight	**VA** = Prismatic Lens VA with Wireguard **VI** = Prismatic Lens VI with Wireguard **WW** = Wireguard, White /No Lens **XX** = No Shielding	**2** = 2 Lamps **3** = 3 Lamps **4** = 4 Lamps	**28** = T5 28W **32** = T8 32W **54** = T5HO 54W	**120** = 120V **277** = 277V **UNV**= 120-277V	See previous page	See previous page

TriLyte Wide

Wide-body 6 lamp highbay surface/pendant luminaire

Designed for Trade (commercial spaces), Recreational and Industrial locations, TriLyte provides much needed versatility in highbay applications. Using the appropriate lamp, wattage and reflector options, this wide-body version is also suitable for lowbay lighting, particularly retail outlets and indoor sports facilities. Its low-profile housing (almost 1" shallower than most competing models) is perfect for areas that place a premium on luminaire appearance. Dual-circuit TriLyte equipped with optional motion sensor delivers added lighting control flexibility for industrial applications.

Features

- Sturdy one-piece post-painted housing providing clean, smooth, installation-friendly corners.
- Side-mounted ballast for low 2-3/4" profile.
- Mounting heights up to 45'.
- 6-lamp versions only (cross-section view).
- Available in 4' lengths only.
- Choice of contoured specular or flat white reflector.
- Contoured specular reflector offers optimum performance and 95% reflectivity.
- Choice of stem, surface or chain mounting.
- Accepts emergency battery packs.
- Available motion sensor allows for total lighting control, added energy savings.

Options & accessories

Ballast: Specify voltage (120, 277 or UNV) and add as suffix, e.g. **UNVPG**.

Ballast type	<10THD
Elect. I.S. T8, (1) 4-Lamp & (1) 2-Lamp	**H5**
Elect. P.S. T5/T5HO, (1) 4-Lamp & (1) 2-Lamp one 4-Lamp ballast to operate outside lamps one 2-lamp ballast to operate inside lamps	**P6**
Elect. P.S. T5HO, (2) 3-Lamp one 3-Lamp for 1, 3, & 5 and one 3-Lamp for 2, 4, & 6	**P7**

Consult your representative for other ballast options.

Electrical/wiring options:
Consult your Philips Lightolier representative.

Stem and canopy sets: 4 stems required per luminaire. Order cat. no. **ASC12 CSP** (12"), **ASC18 CSP** (18"), **ASC24 CSP** (24"), **ASC36 CSP** (36"), **ASC48 CSP** (48").

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

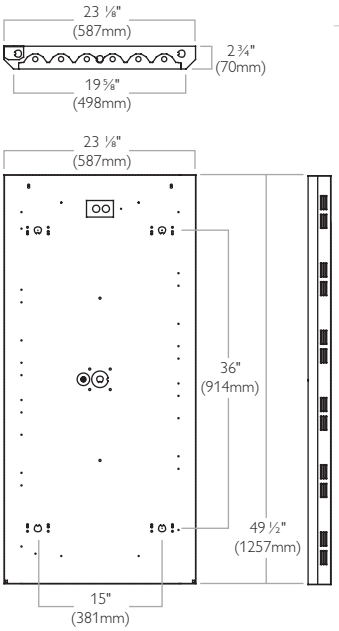
Chain hanger kit 2 kits required per luminaire. Order catalog number **EE9HC**.

Wireguard/lens Variety of shielding options available.

Luminaire-mounted motion sensor 360° coverage. Field installed. Only available on luminaires with contoured specular reflectors. Order cat. no. **FH360**.

Remote-mounted motion sensor Narrow coverage. Field installed. Order catalog number **FH110**.

FH4C5DXX654UNVP6



RCP	C.U.
1	100
2	92
3	85
4	79
5	72
6	67
7	62
8	58
9	53
10	49

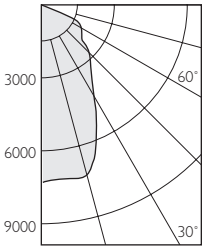
Reference data

Efficiency	90.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	234W
LER	1.00

Candlepower Curve



Application data*

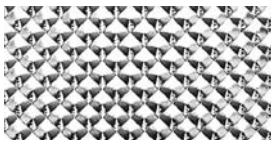
Luminaire spacing		FC	W/Sq Ft
120' x 80' x 28' Space	240 sq ft per lum.	80	1.5
120' x 80' x 28' Space	20' on center	50	1.9
300' x 400' x 25' Space	18' on center	75	1.1

* Average footcandles maintained. Total LLF = 0.84.
Reflectance: 80% Ceiling, 50% Wall, 20% Floor.
54W T5HO lamp rated at 4400 lumens at 25°C.

** Average footcandles maintained. Total LLF = 0.84.
Reflectance: 50% Ceiling, 30% Wall, 20% Floor.
54W T5HO lamp rated at 4400 lumens at 25°C.

XX = Version without lens shielding.

WW = White hinged wireguard only (no lens), 9-gauge wire adding rigidity to luminaire.



VA = Pattern 12 prismatic lens made of virgin acrylic (.095" nominal). Complete with hinged white wireguard.

VI = Pattern 12 prismatic lens made of virgin acrylic (.125" nominal). Complete with hinged white wireguard.

TriLyte Wide

Wide-body 6 lamp highbay surface/pendant luminaire

Designed for Trade (commercial spaces), Recreational and Industrial locations, TriLyte provides much needed versatility in highbay applications. Using the appropriate lamp, wattage and reflector options, this wide-body version is also suitable for lowbay lighting, particularly retail outlets and indoor sports facilities. Its low-profile housing (almost 1" shallower than most competing models) is perfect for areas that place a premium on luminaire appearance. Dual-circuit TriLyte equipped with optional motion sensor delivers added lighting control flexibility for industrial applications.

Ordering information for T5

Type	Lamp qty/type	Lamp/luminaire nominal length	Luminaire width	Catalog no.
Prismatic Lens (VI) with Wireguard	6-T5HO	48"	23"	**FH4C5DVI654UNVP6**
White Wireguard with No Lens	6-T5HO	48"	23"	**FH4C5DWW654UNVP6**

Ordering information for T8

Type	Lamp qty/type	Lamp/luminaire nominal length	Luminaire width	Catalog no.
Prismatic Lens (VI) with Wireguard	6-T8	48"	23"	**FH4C5DVI632UNVH5**
White Wireguard with No Lens	6-T8	48"	23"	**FH4C5DWW632UNVH5**

Example

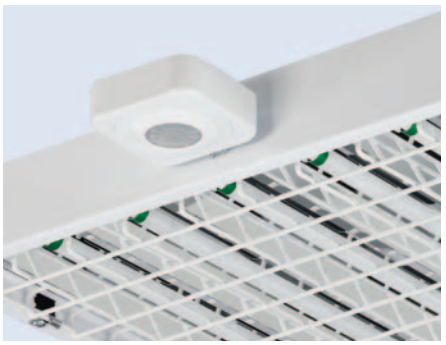
FH4W5DWW654	**UNV**	**P6**	
Basic Catalog no. TriLyte Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See previous page	**Options** See previous page

Acronyms used

CU = Coefficients of utilization
FC = Footcandles
IS = Instant start
LLF = Light loss factor
PS = Program start
RCR = Room cavity ratio
THD = Total harmonic distortion

Numbering logic

FH	4	W	5	D	WW	6	54	UNV	P6	
Luminaire type	**Luminaire length**	**Body style**	**Width**	**Type**	**Lens/shielding**	**Lamp qty in a luminaire cross-section**	**Lamp/type**	**Voltage**	**Ballast**	**Options**
FH = TriLyte	**4** = 4'	**W** = Flat Design White Reflector **C** = Contoured Specular Reflector	**5** = 23"	**D** = Downlight	**VA** = Prismatic Lens VA with Wireguard **VI** = Prismatic Lens VI with Wireguard **WW** = Wireguard, White with No Lens **XX** = No Shielding	**6** = 6 Lamps	**28** = T5 28W **32** = T8 32W **54** = T5HO 54W	**120** = 120V **277** = 277V **UNV**= 120-277V	See previous page	See previous page



Smart TriLyte

Low / high bay including lamps, ballast and sensor with a 3 year warranty

The Smart TriLyte is the first and only packaged fluorescent low/high bay engineered specifically to correctly address sensor applications lamp cycling in Canada. It delivers optimal performance and is the only occupancy-sensored linear fluorescent low/high bay that carries a complete system warranty on all components including lamps, ballast, sensor and luminaire for 3 years.

Features

- Complete system intetegrating motion sensor and Philips lamps, ballast, and lighting fixture
- **Lamps:** Low Mercury Philips Alto II T8 lamps (Philips F32T8/TL841/Alto II, 4100K, 2850 initial lumens) or Alto T5HO lamps (Philips F54T5/841/ HO/ALTO, 4100K, 5000 initial lumens) showing 95% lumen maintenance and reduced lamp-end blackening. For other lamp colour temperatures, consult your Philips Lightolier representative
- 4 models (Narrow-body) – Available in 4' and 8' lengths
- 6 models (Wide-body) – Available in 4' length only.
- **Sensor:** LampMaximizer optimizes lamp life and energy costs while reducing maintenance costs. Circular detection with passive infrared for 30-40 ft diameter coverage. Green LED on the sensor will blink constantly for 31 days once 70% of the projected lamp life has been reached
- **Ballast:** Philips Advance programmed start electronic ballast. Total Harmonic Distorsion of <10%
- Rated for ballast case temperature up to 90°C. Tested to operate at ambient temperatures of 55°C (6-lamp version without lens). For lens applications, consult your Philips Lightolier representative
- **Guarantee:** 3-year guarantee on all components including lamps, ballasts, sensor and any other component installed on the product by the factory. Properly installed product that Philips Lightolier determines to be defective will be repaired or replaced at Philips Lightolier's discretion. (The warranty covers the repair or replacement of the product and does not extend to transportation, installation or replacement charges. No other warranty, either expressed or implied, beyond this statement is included. Consult your Philips Lightolier representative for further information.)
- **Body:** One-piece post-painted housing providing clean, smooth, installation-friendly corners
- **Reflector:** Contoured Miro IV reflector offers optimum performance and 95% reflectivity
- **Mounting:** Choice of stem, surface or chain mounting. 12' to 45' mounting height with suitable lamp reflector lens mix
- **Bulk Pack:** Sold in bulk pack only

Options & accessories

Wireguard/lens: See besides.

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

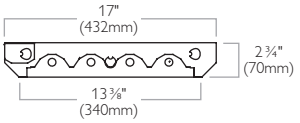
Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

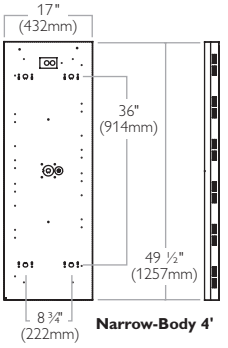
Stem and canopy sets: 4 stems required per luminaire. Order catalog no. **STKF12** (12"), **STKF18** (18"), **STKF24** (24"), **STKF36** (36"), **STKF48** (48").

Chain hanger kit: 2 kits per luminaire. Order catalog no. **EE9HC**.

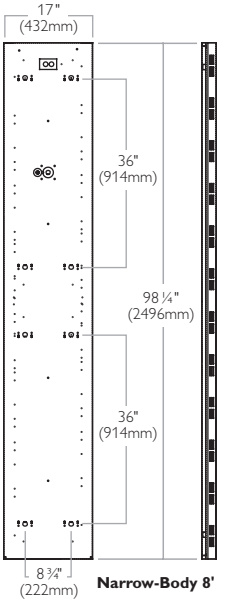
FH4C4DXX454UNVSML

Narrow Body, 4-Lamp T5HO





Narrow-Body 4'



Narrow-Body 8'

RCP	C.U.
1	96
2	88
3	82
4	76
5	70
6	66
7	60
8	56
9	52
10	48

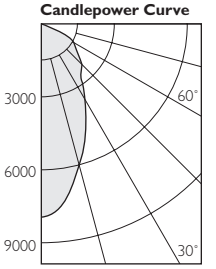
Reference data

Efficiency	86.2%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	234W
Ballast factor	1.0

Candlepower Curve



Application data*

Luminaire spacing		FC	W/Sq Ft
100' x 12' x 28' Space	20' on center	17/10	0.98
100' x 12' x 28' Space	15' on center	23/14	1.37

* Average footcandles maintained. Total LLF = 0.84. Reflectance: 50% Ceiling, 30% Wall, 20% Floor. 54W T5HO lamp rated at 4400 lumens at 25°C. 4 pi x4' grid at floor level.

** Footcandles at the floor (horizontal) with Footcandles on the walls (vertical).

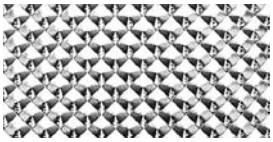
Ordering information T8

Type*	Lamp qty/type	Lamp/luminaire nominal length	Lumin. Width	Catalog number
	4-T8	48"	17"	**FH4C4DXX432UNVSML**
	6-T8	48"	23"	**FH4C5DXX632UNVSML**

* No shielding (accessories ordered separately).

XX = Version without lens shielding.

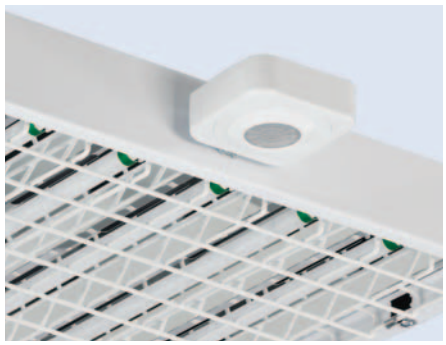
White hinged 9-gauge wireguard adding rigidity to luminaire available as an accessory. (**FH4WG4** for narrow luminaire and **FH4WG5** for wide luminaire. Add **VA** or **VI** for a wire guard with lens.)



VA = Pattern 12 prismatic lens made of virgin acrylic (.095" nominal). Complete with hinged white wireguard.

VI = Pattern 12 prismatic lens made of virgin acrylic (.125" nominal). Complete with hinged white wireguard.

Smart TriLyte

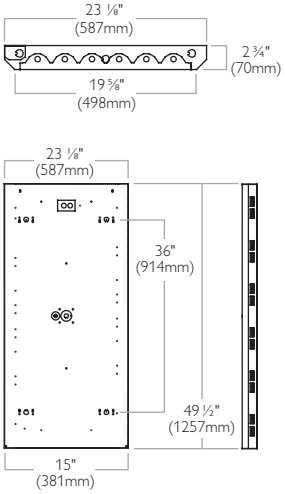


Low / high bay including lamps, ballast and sensor with a 3 year warranty

The Smart TriLyte is the first and only packaged fluorescent low/high bay engineered specifically to correctly address sensor applications lamp cycling in Canada. It delivers optimal performance and is the only occupancy-sensored linear fluorescent low/high bay that carries a complete system warranty on all components including lamps, ballast, sensor and luminaire for 3 years.

FH4C5DXX654UNVSML

Wide Body, 6-Lamp T5HO



RCP	C.U.
1	100
2	92
3	85
4	79
5	72
6	67
7	62
8	58
9	53
10	49

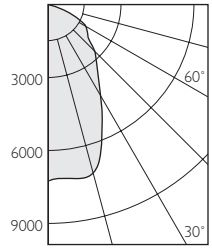
Reference data

Efficiency	90.0%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	358.0W
Ballast factor	1.0

Candlepower Curve



Application data*

Luminaire spacing		FC	W/Sq Ft
100' x 12' x 28' Space	20' on center	24/16	1.49
100' x 12' x 28' Space	15' on center	32/22	2.09

* Average footcandles maintained. Total LLF = 0.84. Reflectance: 50% Ceiling, 30% Wall, 20% Floor. 54W T5HO lamp rated at 4400 lumens at 25°C. 4 pi x4' grid at floor level.

** Footcandles at the floor (horizontal) with Footcandles on the walls (vertical).

Ordering information T8

Type*	Lamp qty/type	Lamp/luminaire nominal length	Luminaire width	Catalog number
	4-T5HO	48"	17"	**FH4C4DXX454UNVSML**
	6-T5HO	48"	23"	**FH4C5DXX654UNVSML**

* No shielding (accessories ordered separately).

Numbering logic

FH	4	C	4	D	XX	4	32	UNV	SML
Luminaire type	**Luminaire length**	**Reflector type**	**Width**	**Type**	**Shielding/cord**	**Lamp qty in a luminaire cross-section**	**Lamp/Type**	**Voltage**	**Ballast**
FH = TriLyte Series	**4** = 4' (4 & 6 Lamp **8** = 8' (4 Lamp only)	**C**= Contoured Miro IV	**4** = 17" (4-lamp only) **5** = 23" (6-lamp only; 4' unit only)	**D** = Downlight	**XX** = No Shielding **X3** = No shielding, 3' cord, twist lock plug (single switching) **X6** = No shielding, 6' cord, twist lock plug (single switching for 4 lamps or less; double switching for 6 lamps) **X7** = No shielding, 6' cord, no plug (double switching)	**4** = 4 Lamps **6** = 6 Lamps	**32** = T8 32W **54** = T5HO 54W	**120** = 120V **277** = 277V **UNV**= 120-277V	**SML** = Smart Lighting (Philips Alto or Alto II 841 lamps, Philips Advance elect. P.S. ballast and LampMaximizer sensor.) Bulk Pack.

TriLyte Nordik

Fluorescent high bay for cold environments

The TriLyte Nordik is designed to achieve the same level output at -18°C as a regular fluorescent high bay at 25°C ambient temperature. With the TriLyte Nordik, you benefit of the energy savings, high color rendering and very low lumen depreciation that were reserved to standard ambient temperature, making it perfect for applications such as cold storage.

Features

- The Trilyte Nordik is designed for refrigerated environments
- Candlelight relative output 86.2% at -18°C when ordered with Philips Lightolier supplied amalgam lamps (CRI of 4100K)
- Ideal for temperatures between -18°C and 5°C when ordered with Philips Lightolier recommended T5HO amalgam lamps.For ambient temperatures of 5°C to 55°C, use regular TriLyte
- **Body:** One-piece post painted steel housing for superior strength and able to withstand the harshest environments. Smooth and installation-friendly corners
- **Shielding:** Full gasket sealed Door frame standard with clear acrylic lens (0.12" nominal thickness) and spring latch design for easy tool less access to the lamp compartment . Polycarbonate lens also available. Wireguard N/A
- **Reflector:** Contoured Miro IV reflector offers optimum performance and 95% reflectivity
- **Mounting:** Surface or chain

Options & accessories

Ballast: Specify voltage (120, 277 or UNV, 347) and add suffix, e.g. **UNVPV**.

Ballast type	<10THD
Elect. P.S. T5HO, (2) 2-Lamp	**PG**
Elect. P.S. T5HO, (1) 4-Lamp	**PV**
Elect. P.S. T5HO, (1) 4-Lamp & (1) 2-Lamp one 4-Lamp for 1, 2, 5, & 6 and one 2-Lamp for 3 & 4	**P6**
Elect. P.S. T5HO, (2) 3-Lamp one 3-Lamp for 1, 3, & 5 and one 3-Lamp for 2, 4, & 6	**P7**

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory. Emergency pack N/A.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

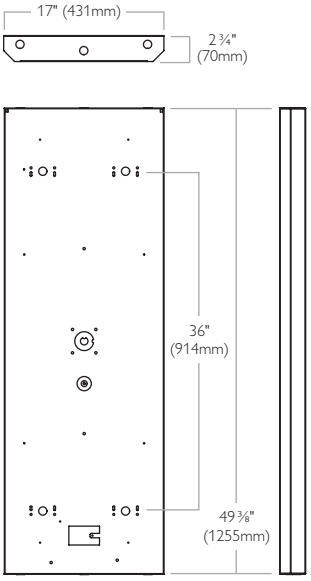
Chain hanger kit: 24" chain suspension kit. 2 kits required per luminaire. Order catalog no. **EE9HC.**

Lamps: Philips Lightolier strongly recommends purchasing the fixture complete with special amalgam lamps to insure maximum light output. Suffix: **6.**

Shielding: For clear polycarbonate lens instead of clear arylic lens, replace **GI** by **PX.**

FHC4C4DGI454UNVPV6

Narrow Body



RCP	C.U.
1	96
2	88
3	82
4	76
5	70
6	66
7	60
8	56
9	52
10	48

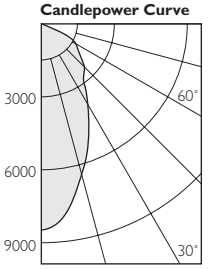
Reference data

Efficiency	86.2%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	234W
Ballast factor	1.0

Candlepower Curve



Application data*

Luminaire spacing		FC	W/Sq Ft
300' x 400' x 25' Space	17' on center	50	0.81
120' x 80' x 28' Space	16' on center	55	0.98
300' x 400' x 25' Space	14' on center	75	1.15

* Average footcandles maintained. Total LLF = 0.84.
Reflectance: 80% Ceiling, 50% Wall, 20% Floor.
Lamps rated at 4400 lumens.

Ordering information

Type*	Size	Lamp qty/type	Catalog no.
Clear Acrylic Lens with Lamps	17" x 49⅜"	4-T5HO	**FHC4C4DGI454UNVPV6**

* No shielding (accessories ordered separately).

Example **FHC4C4DGI454** **Basic catalog no.** TriLyte Nordik

UNV **Voltage**
120 = 120V
277 = 277V
UNV= 120-277V

PV **Ballast** See page 4.182

6 **Options** See page 4.182
Add appropriate suffix. to Catalog number.
6 = Amalgam lamps (recommended).

Spring latch design for easy, toolless access to the lamp compartment.

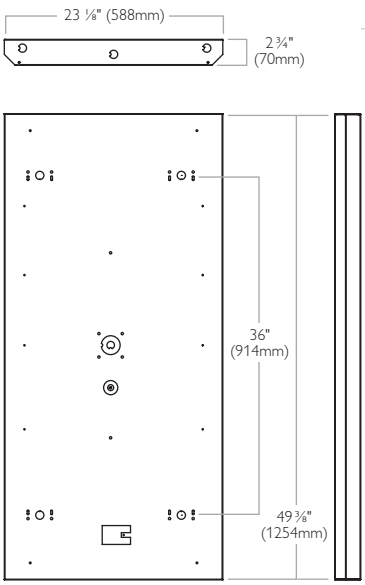
TriLyte Nordik

Fluorescent high bay for cold environments

The TriLyte Nordik is designed to achieve the same level output at -18°C than a regular fluorescent high bay at 25°C ambient temperature. With the TriLyte Nordik, you benefit from energy savings, high color rendering and very low lumen depreciation that were reserved for standard ambient temperature, making it perfect for applications such as cold storage.

FHC4C5DGI654UNVP66

Wide Body



RCP	C.U.
1	100
2	92
3	85
4	79
5	72
6	67
7	62
8	58
9	53
10	49

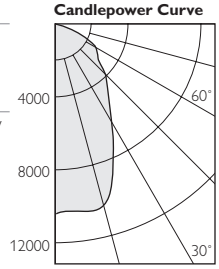
Reference data

Efficiency	90.0%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	358.0W
Ballast factor	1.00

Candlepower Curve



Application data*

Luminaire spacing		FC	W/Sq Ft
120' x 80' x 28' Space	240' on center	80	1.5
120' x 80' x 28' Space	20' on center	50	1.9
300' x 400' x 25' Space	18' on center	75	1.1
300' x 400' x 25' Space**	22' on center	50	0.76

* Average footcandles maintained. Total LLF = 0.84.
Reflectance: 80% Ceiling, 50% Wall, 20% Floor.
Lamps rated at 4400 lumens.

**Idem with 30% wall reflectance.

Ordering information

Type*	Size	Lamp qty/type	Catalog no.
Clear Acrylic Lens with Lamps	23" x 49⅜"	6-T5HO	**FHC4C5DGI654UNVP66**

* No shielding (accessories ordered separately).

Example **FHC4C5DGI454**

Basic catalog no.
TriLyte Nordik

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

P6

Ballast
See previous page

6

Options
See previous page
Add appropriate suffix.
to Catalog number.
6 = Amalgam lamps (recommended).

Gymlyter

Resistant high bay dedicated to gymnasiums

Gymlyter is a one-piece body made of 22-gauge steel and a strong wireguard, with or without lens, fully dedicated to gymnasiums and other recreative environments.

Features

- Flat white reflector and wireguard as standard. (Choice of Miro IV flat reflector also availalble)
- Sturdy one-piece post-painted housing providing clean, smooth, installation-friendly corners
- Side-mounted ballast for low 2-3/4" profile
- 2-, 3-, 4- and 8-lamp (4-lamp in tandem) T8 or T5HO (cross-section view)
- Available in 4' and 8' lengths
- Choice of stem, surface or chain mounting with installation up to 45'
- Accepts emergency battery packs

Options & accessories

Ballast: Specify voltage (120, 277 or UNV, 347) and add suffix, e.g. **UNVPV**.

Ballast type	<10THD
Elect. I.S. T8, 4 LPB	**H4**
Elect. I.S. T8, (1) 4 LPB & (1) 2 LPB	**H5**
Elect. I.S. T8, (2) 4 LPB one for outside and one for inside lamps	**H7**
Elect. P.R.S. T5/T5HO, 1 or 2 LPB	**PG**
Elect. P.R.S. T5/T5HO, 1 or 3 LPB	**PU**
Elect. P.R.S. T5/T5HO, 1 or 4 LPB	**PV**
Elect. P.S. T5/T5HO, (1) 4 LPB & (1) 2 LPB one 4 LPB for outside lamps and one 2 LPB for inside lamps	**P6**
Elect. P.S. T5/T5HO, (1) 3 LPB & (1) 3 LPB one 3 LPB for lamps 1, 3, & 5 and one 3 LPB for lamps 2, 4, & 6	**P7**
Elect. P.S. T5/T5HO, (2) 4 LPB one for outside and one for inside lamps	**P8**

LPB = Number of lamps per ballast

Emergency/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

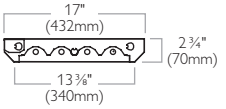
Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

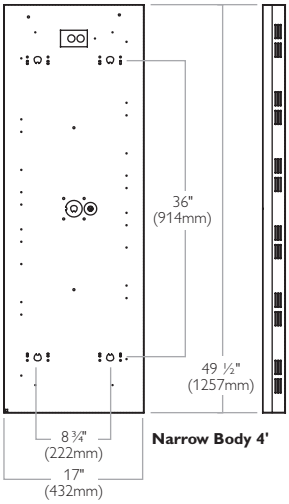
Lamps: not included except upon request. For T5HO lamps (8/41K) installed, CFI choice of brand, add suffix **6**.

Consult your Philips Lightolier representative for additional options.

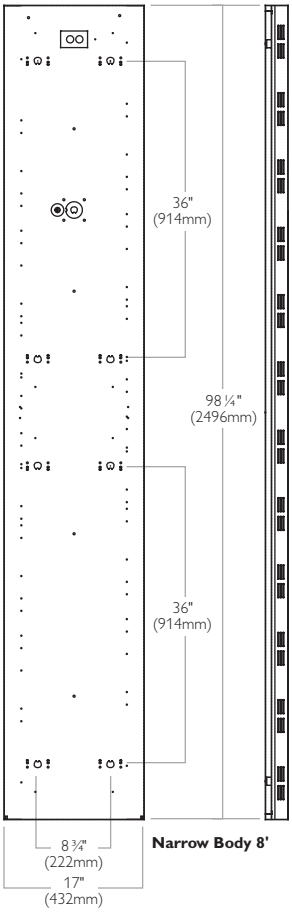
FH4W4DWW454UNVCV

Narrow Body, 6-Lamp T5HO





Narrow Body 4'



Narrow Body 8'

RCP	C.U.
1	96
2	88
3	82
4	76
5	70
6	66
7	60
8	56
9	52
10	48

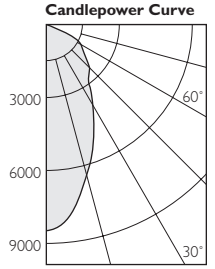
Reference data

Efficiency	86.2%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	234W
Ballast factor	1.0

Candlepower Curve



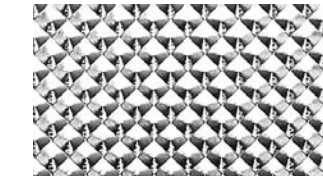
Application data*

Luminaire spacing		FC	W/Sq Ft
300' x 400' x 25' Space	17' on center	50	0.8
120' x 80' x 28' Space	16' on center	55	1.0
300' x 400' x 25' Space	14' on center	75	1.2

* Average footcandles maintained. Total LLF = 0.84. Reflectance = 80% Ceiling, 50% Wall, 20% Floor. 54W T5HO lamp rated at 4400 lumens at 25°C.

White hinged 9-gauge wireguard adding rigidity to luminaire available as an accessory.

FH4WG4 for narrow luminaire. Add **VA** or **VI** for a wire guard with lens.



VI Pattern
12 prismatic lens made of virgin acrylic (.125" nominal). Complete with hinged white wireguard.

Gymlyter

Resistant high bay dedicated to gymnasiums

Gymlyter is a one-piece body made of 22-gauge steel and a strong wireguard, with or without lens, fully dedicated to gymnasiums and other recreative environments.

Ordering information for T5

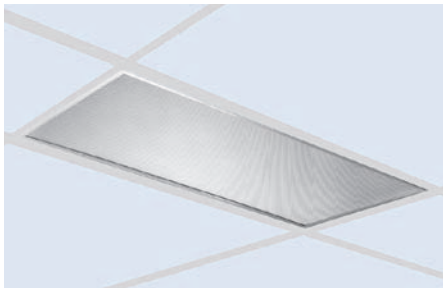
Type	Length	Lamp qty/type	Lamp/luminaire nominal length	Catalog no.
Prismatic Lens with Wireguard	17"	4-T5HO	48"	**FH4W4DVI454**
		6-T5HO	96" tandem	**FH8W4DVI354**
		8-T5HO	96" tandem	**FH8W4DVI454**
White Wireguard with No Lens	17"	4-T5HO	48"	**FH4W4DWW454**
		6-T5HO	96" tandem	**FH8W4DWW354**
		8-T5HO	96" tandem	**FH8W4DWW454**

Ordering information for T8

Type	Length	Lamp qty/type	Lamp/luminaire nominal length	Catalog no.
Prismatic Lens (VI) with Wireguard	17"	2-T8	48"	**FH4W4DVI232**
		3-T8	48"	**FH4W4DVI332**
		4-T8	48"	**FH4W4DVI432**
		6-T8	96" tandem	**FH8W4DVI332**
		8-T8	96" tandem	**FH8W4DVI432**
White Wireguard with No Lens	17"	2-T8	48"	**FH4W4DWW232**
		3-T8	48"	**FH4W4DWW332**
		4-T8	48"	**FH4W4DWW432**
		6-T8	96" tandem	**FH8W4DWW332**
		8-T8	96" tandem	**FH8W4DWW432**

Numbering logic

FH	4	W	4	D	WW	4	54	UNV	PV	6
Lumin. Type	**Lumin. Length**	**Reflector type**	**Width**	**Type**	**Lens/shielding**	**Lamp qty in a luminaire cross-section**	**Lamp/type**	**Voltage**	**Ballast**	**Options**
FH	**4** = 4' **8** = 8'	**W**= Flat Design White Reflector **S**= Flat Design Specular Reflector	**4** = 17"	**D** = Downlight	**VI** = Prismatic Lens VI with Wireguard **WW**= Wireguard, White with No Lens	**2** = 2 Lamps **3** = 3 Lamps **4** = 4 Lamps **8** = 4 Lamps in tandem (8 total)	**28** = T5 28W **32** = T8 32W **54** = T5HO 54W	**120** = 120V **277** = 277V **UNV**= 120-277V	See prev. page	See previous page Add appropriate suffix to Catalog number



Cleanguard Class 10,000 CleanRoom 2' x 4' & 2' x 2'

Recessed fluorescent luminaire

Features

- Meets requirements for Federal Standard 209E Class 10,000 & 100,000 Clean Room tested by Independent Lab.
- UL and ULc Listed for wet or damp locations for covered ceiling use.
- Fits 15/16" to 1" wide face grid ceiling systems or flanged for drywall type ceilings. Contractor responsible for sealing fixture to ceiling.
- Full perimeter gasketing (closed cell Neoprene) between Door frame and lens, between housing and Door frame.
- Ends sealed to body.
- .125 pattern 12 lens installed smooth side down.
- Door frame is post painted, baked acrylic enamel.
- Hemmed over side rails for maximum safety.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**

Ballast type	<10THD	<20THD
Electronic T8	**HI*, P2****	**S0***
1-3 Lamp Elec T8	**H3*, P3****	**03***
1-4 Lamp Elect T8	**H4*, P4****	**04***
1-3 Lamp TT5 40 Watt	**IB*, PR****	**SB***
Electronic TT5 40 Watt	**I3***	**X3***

* Instant start
** Program start

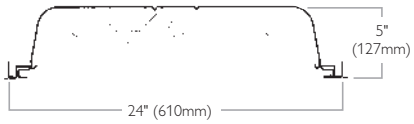
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Continuous row installation: For **F** type fixtures, half-width flanges are required between fixtures. Catalog no.: **2FCTrim** for each joint.

Plaster frame: For **F** type troffers, order plaster frames separately. Catalog no.: **PF24** for 2'x4' troffer; **PF22** for 2'x2' troffer.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

CXS2GFSVI332UNVH3



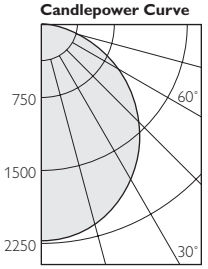
Reference data

Efficiency	67.9%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	108.7W
LER FL	73.2

Candlepower Curve



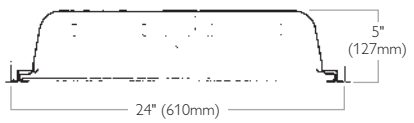
Ordering information

Type	Size	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster
Flat Aluminum Door	2' x 4'	2 T8	**CXS2GFAVI232**	**CXS2FFAVI232**
		3-T8	**CXS2GFAVI332**	**CXS2FFAVI332**
		4-T8	**CXS2GFAVI432**	**CXS2FFAVI432**
Flat Steel Door	2' x 4'	2 T8	**CXS2GFSVI232**	**CXS2FFSVI232**
		3-T8	**CXS2GFSVI332**	**CXS2FFSVI332**
		4-T8	**CXS2GFSVI432**	**CXS2FFSVI432**
Regressed Aluminum Door	2' x 4'	2 T8	**CXS2GRAVI232**	**CXS2FRAVI232**
		3-T8	**CXS2GRAVI332**	**CXS2FRAVI332**
		4-T8	**CXS2GRAVI432**	**CXS2FRAVI432**

Example

CXS2GFSVI332	UNV	H3	A
Cleanguard Wet location Class 10,000 or 100,000 Clean Room	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.186	**Options** See page 4.186 and page 4.130

CXS2GFSVI26UUNVHI



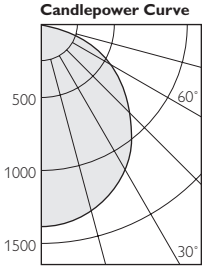
Reference data

Efficiency	63.1%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	53.7W
LER FL	56.0

Candlepower Curve



Ordering information

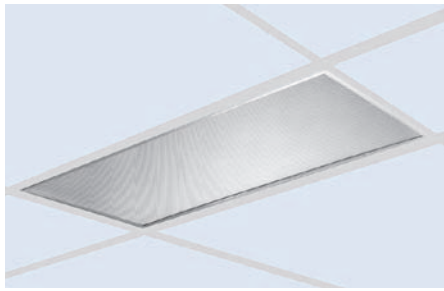
Type	Size	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster
Flat Aluminum Door	2' x 2'	2-6" T8	**CXS2GFAVI26U**	**CXS2FFAVI26U**
		3-TT5	**CXS2GFAVI3FT**	**CXS2FFAVI3FT**
		3-1.6"U T8	**CXS2GFAVI32U**	**CXS2FFAVI32U**
Flat Steel Door	2' x 2'	2-6" T8	**CXS2GFSVI26U**	**CXS2FFSVI26U**
		3-TT5	**CXS2GFSVI3FT**	**CXS2FFSVI3FT**
		3-1.6"U T8	**CXS2GFSVI32U**	**CXS2FFSVI32U**
Regressed Aluminum Door	2' x 2'	2-6" T8	**CXS2GRAVI26U**	**CXS2FRAVI26U**
		3-TT5	**CXS2GRAVI3FT**	**CXS2FRAVI3FT**
		3-1.6"U T8	**CXS2GRAVI32U**	**CXS2FRAVI32U**

Example

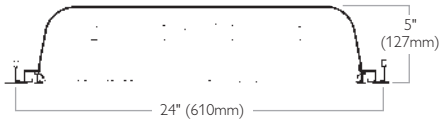
CXS2GFSVI26U	UNV	HI	A
Cleanguard Wet location Class 10,000 or 100,000 Clean Room	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.186	**Options** See page 4.186 and page 4.130

Cleanguard Class 1,000/10,000 CleanRoom 2' x 4' & 2' x 2'

Recessed fluorescent luminaire 2' x 2', 2' x 4' - 1½" wide T-bar



CXS2WFAVI26UUNVHI



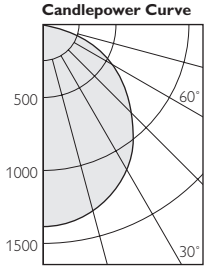
Reference data

Efficiency	63.1%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	53.7W
LER FL	56.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	1 5/16" to 1 ½" Wide face T-Grid
Flat Aluminum Door	2' x 2'	2-6" T8	**CXS2WFAVI26U**
		3-TT5	**CXS2WFAVI3FT**
		3-1.6" U T8	**CXS2WFAVI32U**

Example **CXS2WFAVI26U**

Cleanguard
Wet location
Class 1,000, 10,000 or 100,000 Clean Room

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 or TT5 Ballast only)

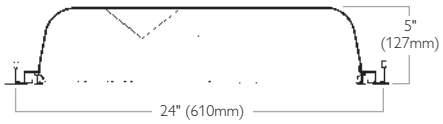
HI

Ballast
See page 4.187

A

Options
See page 4.187 and page 4.130

CXS2WFAVI332UNVH3



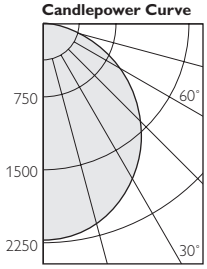
Reference data

Efficiency	67.9%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	108.7W
LER FL	73.2

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	1 5/16" to 1 ½" Wide face T-Grid
Flat Aluminum Door	2' x 2'	2-T8	**CXS2WFAVI232**
		3-T8	**CXS2WFAVI332**
		4-T8	**CXS2WFAVI432**

Example **CXS2WFAVI332**

Cleanguard
Wet location
Class 1,000, 10,000 or 100,000 Clean Room

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

H3

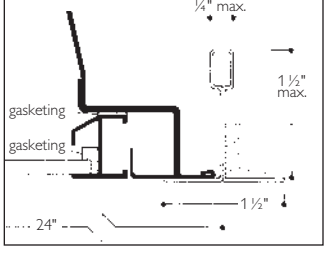
Ballast
See page 4.187

A

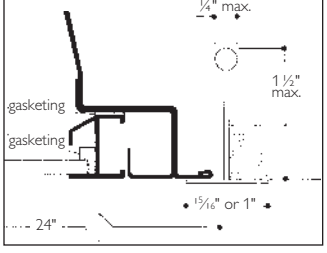
Options
See page 4.187 and page 4.130

Mounting Methods

Exposed T-grid ceiling, 1 ½" face, (with flat aluminum frame).



Exposed T-grid ceiling 15/16" to 1" face (with flat aluminum frame).



Features

- Meets requirements for Federal Standard 209E Class 1,000/10,000 & 100,000 Clean Room tested by Independent Lab.
- UL and ULc Listed for wet or damp locations for covered ceiling use.
- Fits 15/16" to 1 1/2" wide face grid ceiling systems. Contractor responsible for sealing fixture to ceiling.
- Full perimeter gasketing (closed cell Neoprene) between Door frame and lens, closed cell ethafoam gasketing between housing and Door frame.
- Ends sealed to body.
- .125 pattern 12 lens installed smooth side down.
- Door frame is post painted, baked acrylic enamel.
- Hemmed over side rails for maximum safety.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat extruded aluminum door.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**

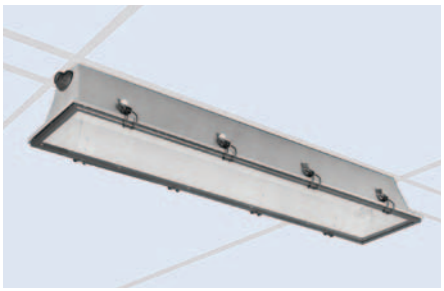
Ballast type	<10THD	<20THD
Electronic T8	**HI*, P2****	**S0***
1-3 Lamp Elec T8	**H3*, P3****	**03***
1-4 Lamp Elect T8	**H4*, P4****	**04***
1-3 Lamp TT5 40 Watt	**IB*, PR****	**SB***
Electronic TT5 40 Watt	**I3***	**X3***

* Instant start

** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



Hazardline

Vapor/dust/wet locations enclosed luminaire

This luminaire is suitable for indoor and outdoor application in three areas. Class I Div. 2 locations are those in which flammable gases, vapors or liquids are handled in closed containers from which any escape of hazardous materials are accidental. Class II locations are hazardous because of the presence of combustible dust. Class III locations are hazardous because of the presence of easily ignitable fibers of flyings. Hazardline, additionally has a wet location rating for use indoors.

Features

- Same fixture meets Class I, II, III and Wet Location requirements.
- UL-Listed Class I, Division 2, Groups A, B, C and D locations.
- UL-Listed Class II, Division 1 and 2, Groups F and G and Class III, Division 1 and 2 locations.
- UL Listed for wet locations.
- Non-corrosive fiberglass reinforced polyester composite body suitable (T8 or T12RS) for 40°C ambient temperature.
- Meets UL 844 static discharge requirements.
- Meets UL 746C impact test requirements.
- Meets UL 94-5VA fire rating.
- Stainless steel, 16 gauge steel door with 3/16" tempered glass lens.
- Stainless spring steel toggle clamps to secure lens door frame.
- One-piece silicone gasketing.

Options & accessories page 4.217

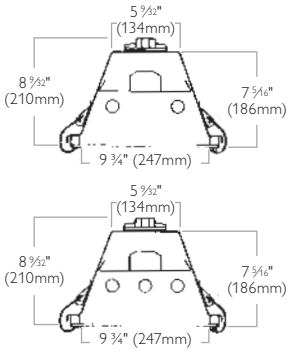
Ballast: Specify voltage (120, 277) and type and add as suffix, e.g. **HSCXT232UNVHI**

Ballast type	<10THD	<20THD
1-2 Lamp Elec T8	**HI***	**S0***
1-3 Lamp Elec T8	**H3***	**03***

* Instant start

Electrical/wiring options: For special wiring, fusing, consult factory.

HSCXT232120SO



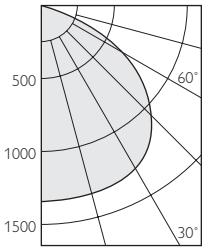
Reference data

Efficiency	72.7%
Spacing ratio	1.0

Electronic ballast

Input watts (120V)	62.0W
Ballast factor	0.88

Candlepower Curve



Coefficients of utilization

% wall reflectance

Room Cavity Ratio	70	50	30
1	78	75	72
2	72	67	62
3	66	59	54
4	60	53	47
5	55	46	40
6	51	42	35
7	47	37	31
8	43	33	27
9	39	30	24
10	36	27	21

20% of floor and 80% of ceiling effective cavity reflectance

Application data*

Luminaire spacing	FC	W/Sq Ft
50' x 70' x 12' Space 8' x 8' (64 sq ft/fixture)	51	0.9
12' x 16' x 8.5' Space 6' x 8' (48 sq ft/fixture)	54	1.2
8' x 8' x 8.5' Cubicle/60" Partition 30' x 30' (64 sq ft/fixture)	54	0.9

* Average footcandles maintained Total LLF=.75 Reflectance: 80% Ceiling, 50% Wall, 20% Floor RE835 lamp rated at 3000 lumens

Ordering information

Type	Class/division	Fixture length	Lamp qty/type	Catalog no.
Enclosed Industrial Fluorescent	Vapor-tight Class I Division 2 Dust-tight Class II/III Division 1 Division 2 Wet-Location	53"	2-T8	**HSCXT232**
		53"	3-T8	**HSCXT332**

*800 MA HO fixtures are standard with -20°F ballasts
*Consult factory for HO units.

Example

HSCXT232	120	SO	
Hazardline Vapor/Dust/Wet Locations Enclosed Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.188	**Options** See page 4.188 and page 4.217

Hazardline

Vapor/dust/wet locations enclosed luminaire

This luminaire is suitable for indoor and outdoor application in three areas. Class I Div. 2 locations are those in which flammable gases, vapors or liquids are handled in closed containers from which any escape of hazardous materials are accidental. Class II locations are hazardous because of the presence of combustible dust. Class III locations are hazardous because of the presence of easily ignitable fibers of flyings. Hazardline, additionally has a wet location rating for use indoors.

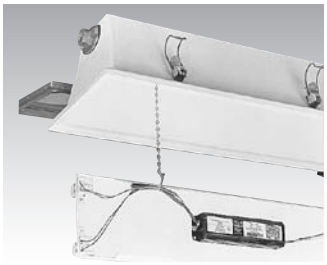
Thermal Performance of HSCXT Fixtures*

Ordering information

Lamp qty/type	Ambient temp. °C	"T" Numbers	Fixture Temp.*	Catalog no.
2-T8	40	T-4A	120°C (248°F)	**HSCXT232**
3-T8	40	T-4A	120°C (248°F)	**HSCXT332**

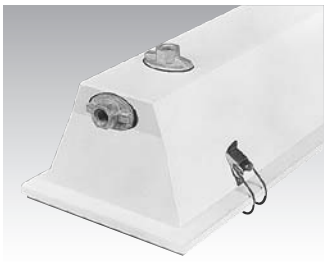
*800 MA HO fixtures are standard with -20°F ballasts
*Consult factory for HO units.

Features

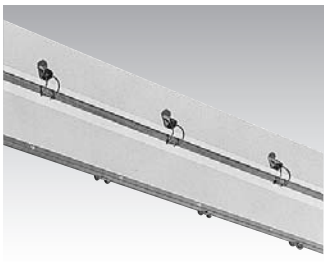


Hi-temp power channel

Heavy-duty hinged stainless steel door



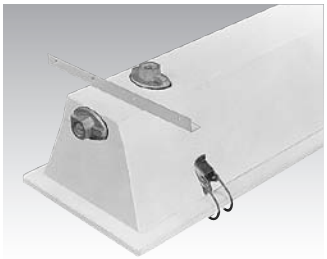
Top/end suspension hubs



Class I/Division 2 construction

Options

45° Adjustable quadrant brackets **NKH45**



Top-mount angle-bars **HACM CSP**

Features

The following hazardous location definitions are excerpted from Article 500 of the 1990 National Electrical Code

HSCXT Series meets the following classifications

Class I, Division 2 locations

(a) Class I, Division 2 location is a location (1) in which volatile flammable liquids or flammable gases are handled, processed, or used, but in which the liquids, vapors, or gases will normally be confined within closed containers or closed systems from which they can escape only in case of accidental rupture or breakdown of such containers or systems, or in case of abnormal operation of equipment.

Class II locations

Class II locations are those that are hazardous because of the presence of combustible dust.

(a) Class II, Division 1. A Class II, Division 1 location is a location: (1) which combustible dust is in the air under normal operating conditions, in quantities sufficient to produce explosive or ignitible mixtures; or (2) where mechanical failure or abnormal operation of machinery or equipment might cause such explosive or ignitible mixtures to be produced, and might also provide a source of ignition through simultaneous failure of electric equipment, operation of protection devices, or from other causes; or (3) in which combustible dusts of an electrically conductive nature may be present in hazardous quantities.

(b) Class II, Division 2. A Class II, Division 2 location is a location where combustible dust is not normally in the air in quantities sufficient to produce explosive or ignitible mixtures, and dust accumulations are normally insufficient to interfere with the normal operation of electrical equipment or other apparatus, but combustible dust may be in suspension in the air as a result of infrequent malfunctioning of handling or processing equipment and where combustible dust accumulations on, in, or in the vicinity of the electrical equipment may be sufficient to interfere with the safe dissipation of heat from electrical equipment or may be ignitible by abnormal operation or failure of electrical equipment.

Class III locations

Class III locations are those that are hazardous because of the presence of easily ignitible fibers of flyings, but in which such fibers or flyings are not likely to be in suspension in the air in quantities sufficient to produce ignitible mixtures.

(a) Class III, Division 1. A Class III, Division 1 location is a location in which easily ignitible fibers or materials producing combustible flyings are handled, manufactured, or used.

(b) Class III, Division 2. A Class III, Division 2 location is a location in which easily ignitible fibers are stored or handled.

Sealatron

Wet location enclosed industrial luminaire

The Sealatron is an enclosed industrial luminaire rated for wet locations with an IP67 rating

Features

- Wet Location-Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or non-flammable liquid. (UL-Listed)
- NSF Certified for Non-Food Zone installations.
- IP67 rating.
- Acceptable for outdoor as well as indoor installations.
- One-piece impact resistant, non-conductive, non-corrosive housing, reinforced polyester fiberglass housing.
- Smooth exterior surface for easy cleaning.
- Lighting channel has high reflectance baked white enamel finish.
- Two gasketed threaded (1/2" trade size) wet location hubs installed on ends.
- High impact DR acrylic molded lens.
- Crepe pattern inner surface lens.
- Continuous, compressible, closed-cell neoprene gasket bonded to housing.
- ABS lock-tight plastic molded cam-action tension latches.
- K.O.'s provided throughout for easy access.
- Can be surface (wall/ceiling) or suspended mounted unless otherwise specified.
- Mounting brackets available, Order separately.

Options & accessories

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **ST4WA232UNVHI**

Ballast type	<10THD	<20THD
Electronic T12 (HO only)		**SS**
Electronic T8 H0	**P2**	**SO**
Electronic T8	**HI***	**SO***
1-4 Lamp Electronic T8	**H4***	**04***
Electronic T5 Instant S (28W)	**PI**	
Electronic T5 Program S	**PG**	
1-4 Lamp Electronic T5 (54W)	**PV**	

* Instant start Standard

Cold weather ballasts: T12 HO lamped fixtures are standard with –20°F ballasts. To specify cold weather (0°F) ballasts for RS or T8 fixtures. Suffix: **CW**.

Water tight kits: One installed each end of fixture. For additional kits, order Catalog no.: **STW-DC2.**

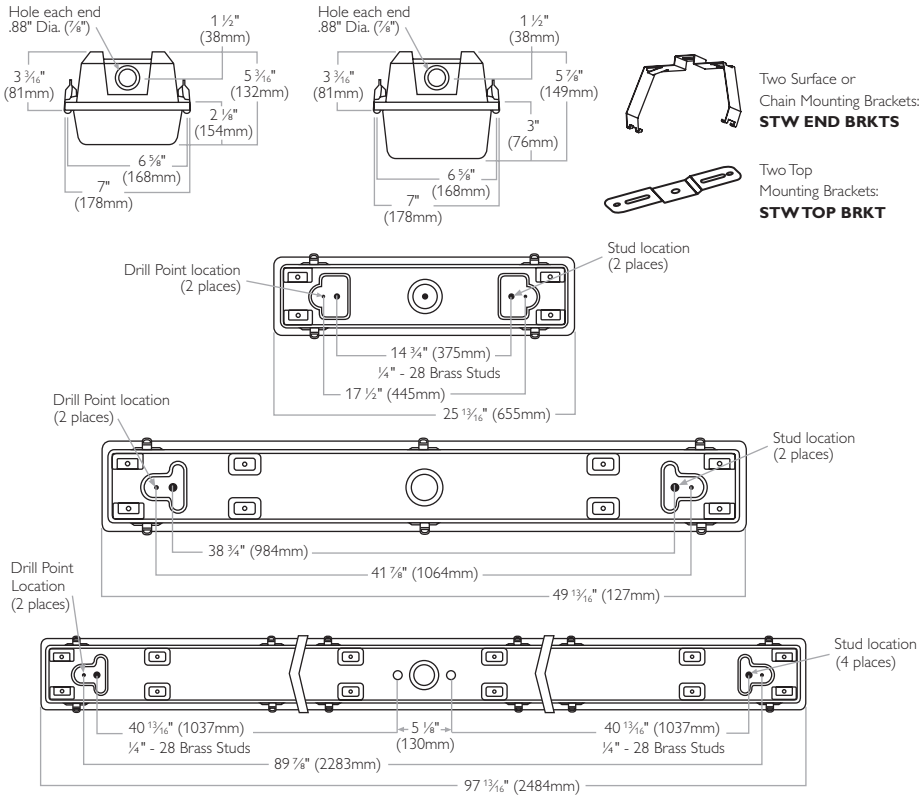
Electrical/wiring options: Consult factory.

Radio interference filter: 120 or 277 volt, 50 or 60 Hz. One per fixture. Suffix: **R.** One per ballast. Suffix: **B**.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

Top mounting bracket:
Order Catalog no.: **STW TOP BRKT**.

ST4WA232120SO



Ordering information

Type	Size	Lamp length	Lamp qty–type	Catalog no.
STW Wet Location Enclosed Industrial	7 x 25 13/16"	24"	1-T8	**ST4WA117**
		24"	1-T8	**ST4WA217**
	7 x 49 13/16"	48"	1-T8	**ST4WA132**
		46"	1-T5	**ST4WA128**
		46"	1-T5HO	**ST4WA154**
		48"	2-T8	**ST4WA232**
		46"	2-T5	**ST4WA228**
		46"	2-T5HO	**ST4WA254**
	7 x 97 13/16"	48"	1-T8*	**ST8WA132**
		46"	1-T5*	**ST8WA128**
		46"	1-T5HO*	**ST8WA154**
		48"	2-T8**	**ST8WA232**
		46"	2-T5**	**ST8WA228**
		46"	2-T5HO**	**ST8WA254**
		96"	2-T8SL	**ST8WA259SL**
		96"	2-T8HO	**ST8WA286HO**
		96"	2-T12HO	**ST8WA296HO**

*2 lamps total, (in tandem)
**4 lamps total, (in tandem)

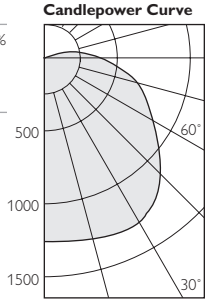
Reference data

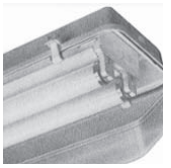
Efficiency	85.10%
Spacing ratio	1.5

Electronic ballast

I.W. (120V)	54W
Ballast factor	0.88

Candlepower Curve





Smooth virgin acrylic lens opens easily and hinges from either side for easy maintenance.

Precision molded pre-formed knockouts for stem, chain or surface mounting.

Example

ST4WA232	UNV	HI	A
Sealatron Wet Location Enclosed Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.190	**Options** See page 4.190

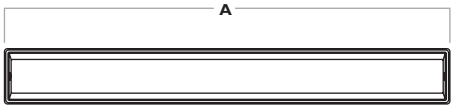
Note: Sealatron luminaire also available in LED

Sealatron IP low profile

Wet location enclosed industrial luminaire

The Sealatron IP Low Profile enclosed Industrial is a wet location listed luminaire that incorporates a low profile housing design, high impact lenses and IP ratings.

IP4WP232UNVHI



A (Overall Length)
2' models 27 11/16" (703mm)
4' models 51 9/16" (1310mm)
8' models 100" (2540mm)

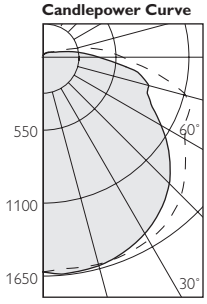
Reference data

Efficiency	66.9%
Spacing ratio	1.3

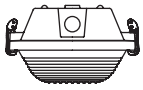
Electronic ballast

Input watts (120V)	55W

Candlepower Curve

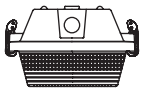


2 and 3 lamp (1 lamp 8')



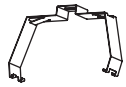
1 lamp (except 8')

Ribbed Lenses (R, A)



Prismatic Injected Molded Lens (P)

Mounting Bracket (included)



Features

- IP65 rating for ribbed lenses and IP67 rating for prismatic lens.
- Acceptable for outdoor as well as indoor installations.
- Wet Location Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or non-flammable liquid.
- Also suitable for damp locations.
- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- Molded fiberglass 5V-A housing.
- Choice of ribbed or injection molded prismatic diffusers.
- Continuous poured gasket.
- Polycarbonate cam action latches are standard.
- Ballast is retained by a snap-on gear tray in lieu of channel, reducing weight.
- Two snap-on stainless steel mounting brackets included, can be installed anywhere along housing (except at latches).

Ordering information

Size	Family	Lamps X section	Lamp fixture	Available lenses	Lamp type	Length in. (mm)	Width in. (mm)	Height in. (mm)
2'	IP	1 2	1 2	R, P	14, 17, 24HO	27 11/16" (703)	4½" (114) 7¼" (184)	4¼" (108)
4'	IP	1 2 3	1 2 3	R, P A, R, P A, R, P	28, 32, 54HO 28, 32, 54HO 28, 32, 54HO	51 9/16" (1310)	4½" (114) 7¼" (184) 7¼" (184)	4¼" (108)
8'	IP	1 2 3	2 4 6	A	28, 32, 54HO 28, 32, 54HO 28, 32	100" (2540)	7¼" (184)	4¼" (108)

Options & accessories

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **IP4WP232UNVHI**

Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
1 - 3 Lamp Electronic T8	**H3***	**03***
1 - 4 Lamp Electronic T8	**H4***	**04***
2 - 3 Lamp Electronic T8	**H6***	
1 - 4 Lamp or 1 - 4 Lamp Elect T8	**H5***	
Electronic T5 (28W/54W)	**PG****	
1 - 3 Lamp Electronic T5 (54W)	**PU****	

* Instant start

** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming options, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

Example: **IP** | **4** | **W** | **A** | **2** | **32** | **UNV** | **HI** | **A**

Sealatron IP low profile

Fixture length
2 = 2'
4 = 4'
8 = 8'

Fixture width
W = 7 ¼"
N* = 4 ½"

Lens shielding type
R = Lineal Ribbed (IP65) Polycarbonate
A = Lineal Ribbed High Impact Acrylic (IP65)
P = Prismatic Injection Polycorbonate

Lamp quantity
1 = 1 Lamp
2 = 2 Lamps
3 = 3 Lamps (28W, 32W, 54W lamp types only)**

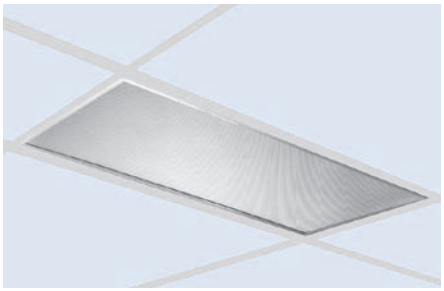
Lamp type/ fixture length
14 = T5 (2')
17 = T8 (2')
24 = T5HO (2')
28 = T5 (4')
32 = T8 (4')
54 = T5SO (4')

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast type
See page 4.191

Options
Add appropriate suffix to catalog

* Narrow housing only available in one lamp, two and four foot fixture sizes.
** 28W, 32W and 54W available in three lamp, four foot fixture sizes.
28W and 32W available in three lamp, eight foot fixture sizes.



Cleanguard wet location

Recessed fluorescent luminaire 2' x 4', 2' x 2' & 1' x 4'

Features

- UL and C-UL Listed for wet or damp locations for covered ceiling use.
- Full perimeter gasketing (closed cell Neoprene) between Door frame and lens, between housing and Door frame.
- Door frame is post painted, baked acrylic enamel.
- 5" deep body for 2x4 and 2x2.
- 81.2% efficient (T8), 2x4 4 lamp.
- 69.0% efficient (T8), 2-6"U.
- 64.6% efficient (T8). 1x4 2 lamp.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips 2x4, 2x2.
- Slimline Door frame with 1000 square inch lens opening on 2x4 door.
- Mitered corner steel lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**

Ballast type	<10THD	<20THD
Electronic T8	**HI*, P2****	**S0***
1-3 Lamp Elec T8	**H3*, P3****	**03***
1-4 Lamp Elect T8	**H4*, P4****	**04***
1-3 Lamp TT5 40 Watt	**I3***	**X3***
Electronic TT5 40 Watt	**IB*, PR****	**SB***

* Instant start

** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Seismic Hold-Down Clip: For 1'x4' type G, Suffix: **2HD**. Factory installed.

Plaster frame: For **F** type troffers, order plaster frames separately. Catalog no.: **PF24** for 2'x4' troffer; **PF22** for 2'x2' troffer; **PF14** for 1'x4' troffer.

Fusing: Suffix: **A** (Internal fast-blow fusing).

Suffix: **C** (Internal slow-blow fusing)

Continuous row installation: For 1'x4' F type fixtures, trim is required between fixtures. Cat. no.: **1FCTrim** For 2'x4' and 2'x2' **F** type fixtures, trim is required between fixture Cat. no. **S2FCTrim** (One per joint is required).

WES2GFAVA432UNVH4

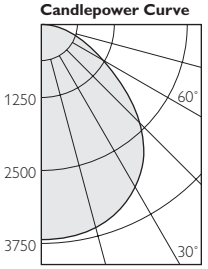
Reference data

Efficiency	81.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	108.7W
LER FL	73.2

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Exposed T T-Grid	Flanged for Dry Wall or Plaster
Flat Steel Door	2' x 4'	2-T8	**WES2GFSVA232**	**WES2FFSVA232**
		3-T8	**WES2GFSVA332**	**WES2FFSVA332**
		4-T8	**WES2GFSVA432**	**WES2FFSVA432**
Regressed Aluminum Door	2' x 4'	2-T8	**WES2GRAVA232**	**WES2FRAVA232**
		3-T8	**WES2GRAVA332**	**WES2FRAVA332**
		4-T8	**WES2GRAVA432**	**WES2FRAVA432**
Flat Aluminum Door	2' x 4'	2-T8	**WES2GFAVA232**	**WES2FFAVA232**
		3-T8	**WES2GFAVA332**	**WES2FFAVA332**
		4-T8	**WES2GFAVA432**	**WES2FFAVA432**

Example: **WES2GFAVA432** | **UNV** | **H4** | **A**

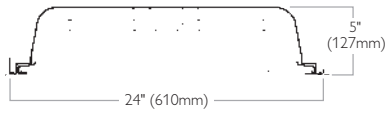
Cleanguard Wet Location

Voltage
120 = 120V
277 = 277V
UNV= 120-277V (Elec. T8 Ballast only)

Ballast
See page 4.192

Options
See page 4.192 and page 4.130

WES2GFAVA26UUNVHI



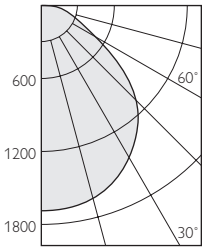
Reference data

Efficiency	71.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	56.3W
LER FL	58.6

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Exposed T T-Grid	Flanged for Dry Wall or Plaster
Flat Steel Door	2' x 2'	2-6" T8	**WES2GFSVA26U**	**WES2FFSVA26U**
		3-TT5	**WES2GFSVA3FT**	**WES2FFSVA3FT**
		3-1.6"U T8	**WES2GFSVA32U**	**WES2FFSVA32U**
Regressed Aluminum Door	2' x 2'	2-6" T8	**WES2GRAVA26U**	**WES2FRAVA26U**
		3-TT5	**WES2GRAVA3FT**	**WES2FRAVA3FT**
		3-1.6"U T8	**WES2GRAVA32U**	**WES2FRAVA32U**
Flat Aluminum Door	2' x 2'	2-6" T8	**WES2GFAVA26U**	**WES2FFAVA26U**
		3-TT5	**WES2GFAVA3FT**	**WES2FFAVA3FT**
		3-1.6"U T8	**WES2GFAVA32U**	**WES2FFAVA32U**

Example: **WES2GFAVA26U** | **UNV** | **HI** | **A**

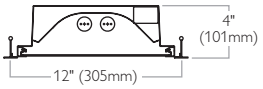
Cleanguard Wet Location

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.192

Options
See page 4.192 and page 4.130

WES1GFAVA232UNVHI



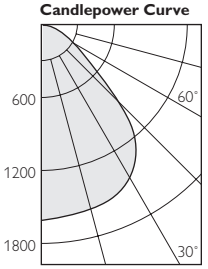
Reference data

Efficiency	69.0%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	80.0W
LER FL	48.3

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Exposed T T-Grid	Flanged for Dry Wall or Plaster
Flat Steel Door	1' x 4'	2-T8	**WES1GFSVA232**	**WES1FFSVA232**
Regressed Alum. Door		2-T8	**WES1GRAVA232**	**WES1FRAVA232**
Flat Aluminum Door		2-T8	**WES1GFAVA232**	**WES1FFAVA232**

Example: **WES1GFAVA232** | **UNV** | **HI** | **A**

Cleanguard Wet Location

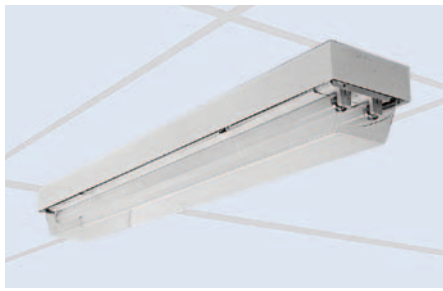
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.192

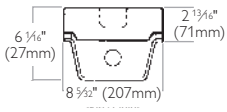
Options
See page 4.192 and page 4.130

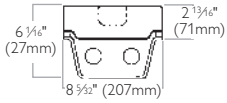
Cleanlite

Damp/wet locations enclosed luminaire



SC4WC232UNVHI



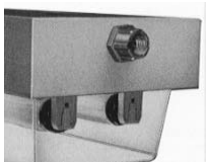


Reference data

Efficiency	79.3%
Spacing ratio	1.6

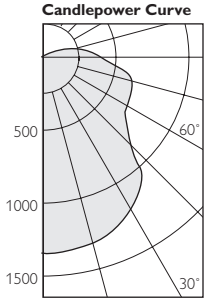
Electronic ballast

Input watts (120V)	53.0W



Water-tight hubs

Candlepower Curve



Features

- UL-listed for dry and damp locations.
- UL-listed for wet locations.
- Silicone sealed body (SC4W).
- For industrial or commercial applications.
- Crisp modular design.
- Available in 4' one piece body.
- Continuous closed-cell gasketing at all seal points.
- Smooth one-piece water-clear acrylic lens.
- Lock-tight cam-action latches.
- Water-tight hubs for electrical feed (SC4W).
- Construction meets NYC code requirements.

Ordering information

Type	Size	Lamp length	Lamp qty–type	Catalog no.
Damp Locations	8 3/16" x 50 5/16"	48"	1-T8	**SC4DC132**
		46"	1-T5	**SC4DC128**
		46"	1-T5HO	**SC4DC154**
		48"	2-T8	**SC4DC232**
		46"	2-T5	**SC4DC228**
		46"	2-T5HO	**SC4DC254**
		48"	3-T8	**SC4DC332**
		46"	3-T5	**SC4DC328**
		46"	3-T5HO	**SC4DC354**
Wet Locations	8 3/16" x 50 5/16"	48"	1-T8	**SC4WC132**
		46"	1-T5	**SC4WC128**
		46"	1-T5HO	**SC4WC154**
		48"	2-T8	**SC4WC232**
		46"	2-T5	**SC4WC228**
		46"	2-T5HO	**SC4WC254**
		48"	3-T8	**SC4WC332**
		46"	3-T5	**SC4WC328**
		46"	3-T5HO	**SC4WC354**

Example

SC4WC232	UNV	HI	TP
Guardsman Vandal Resistant Damp/Wet Locations Enclosed Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.193	**Options** See page 4.193

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **SC4DC232UNVHI**

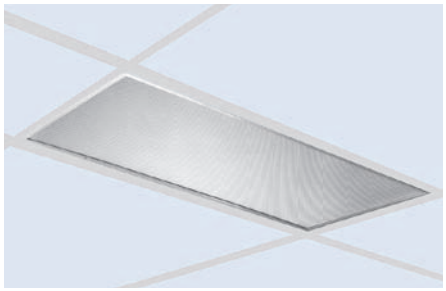
Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
1 - 3 Lamp Electronic T8	**H3***	**03***
Electronic T5 Program S	**PG**	**SO***
1 - 3 Lamp Elect T5 (54W)	**PU**	–

* Instant start Standard

Tamperproof latches: Suffix: **TP**.

Optional lenses: Lexan lenses or DR acrylic lens. Consult factory.

Water tight kits: All fixtures are furnished with one watertight hub kit for top or end conduit entry. Additional water tight kits required for every entry. Catalog no.: **GWHB CSP**. For coupling kits required for continuous row mounting. Catalog no.: **KWCP CSP**



Guardsman Vandal Resistant

Recessed fluorescent luminaire 2' x 4', 2' x 2' & 1' x 4'

Features

- Excellent for locations where vandal resistance is required.
- Prismatic lens (VL) is 3/16" thick pattern 12, minimum impact strength, 130 foot pounds.
- Full perimeter gasketing (closed cell Neoprene) between Door frame and lens.
- Tamper resistant holt head screws secure lens to housing.
- 5" deep body, 2x2 and 2x4.
- 74.4% efficient (T8), 2x4 4 lamp.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips on 2x2 and 2x4.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- 69.3% efficient (T8), 2x2 2-6"U.
- 62.2% efficient (T8), 1x4 2 lamp.
- Turned up edges for safe handling.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277) and type and add as suffix, e.g. **UNVHI**

Ballast type	<10THD	<20THD
Electronic T8	**HI*, P2****	**S0***
1-3 Lamp Elec T8	**H3*, P3****	**03***
1-4 Lamp Elect T8	**H4*, P4****	**04***
1-3 Lamp TT5 40 Watt	**I3***	**X3***
1 & 2 Lamp TT5 40 Watt	**IB*, PR****	**SB***

* Instant start

** Program start

Lens: For optional 9/64" thick **(VK)** pattern 12, minimum impact strength, 80 foot pounds, substitute **VL** with **VK** in Catalog no. i.e:GVS2GFS**VK**432.

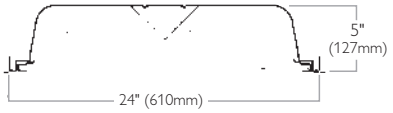
Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Seismic hold-down clip: For 1'x4' type **G**, Suffix: **2HD**. Factory installed.

Plaster frame: For **F** type troffers, order plaster frames separately. Catalog no.: **PF24** for 2'x4' troffer; **PF22** for 2'x2' troffer.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

GVS2GFSVL432UNVH4



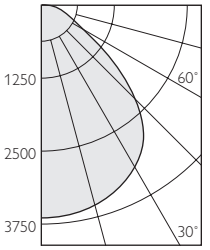
Reference data

Efficiency	74.4%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	105W
LER FL	69.0

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster
Flat Steel Door	2' x 4'	2-T8	**GVS2GFSVL232**	**GVS2FFSVL232**
		3-T8	**GVS2GFSVL332**	**GVS2FFSVL332**
		4-T8	**GVS2GFSVL432**	**GVS2FFSVL432**

Example **GVS2GFSVL432** **UNV** **H4** **A**

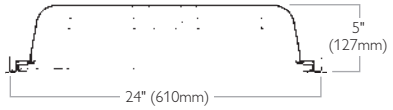
Guardsman Vandal Resistant

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.194

Options
See page 4.194 and page 4.130

GVS2GFSVL26UUNVHI



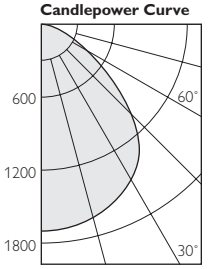
Reference data

Efficiency	69.3%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	56.4W
LER FL	58.9

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster
Flat Steel Door	2' x 2'	2-6" T8	**GVS2GFSVL26U**	**GVS2FFSVL26U**
		3-TT5	**GVS2GFSVL3FT**	**GVS2FFSVL3FT**
		3-1.6"U T8	**GVS2GFSVL32U**	**GVS2FFSVL32U**

Example **GVS2GFSVL26U** **UNV** **HI** **A**

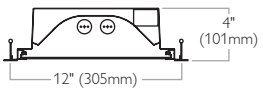
Guardsman Vandal Resistant

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.194

Options
See page 4.194 and page 4.130

GVS1GFSVL232UNVHI



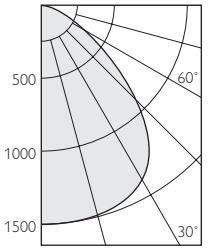
Reference data

Efficiency	62.3%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	80.0W
LER FL	48.3

Candlepower Curve



Ordering information

Type	Size	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster
Flat Steel Door	1' x 4'	2-T8	**GVS1GFSVL232**	**GVS1FFSVL232**

Example **GVS1GFSVL232** **UNV** **HI** **A**

Guardsman Vandal Resistant

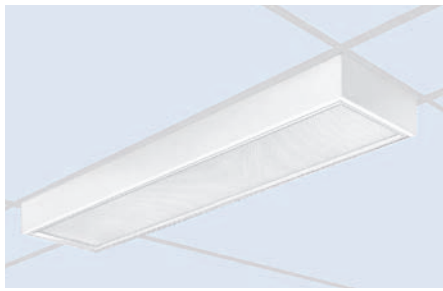
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast
See page 4.194

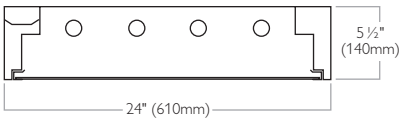
Options
See page 4.194 and page 4.130

Guardsman Vandal Resistant Suface

Surface box luminaire 2' x 4', 2' x 2' & 1' x 4'



GVB2SFSVL432UNVH4



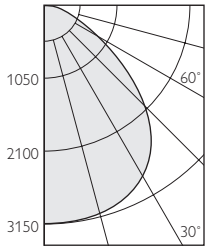
Reference data

Efficiency	65.2%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	13.3W

Candlepower Curve



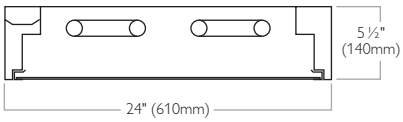
Ordering information

Type	Size	Lamp qty–Type	Surface box
Flat Steel Door	2' x 4'	2-T8	**GVB2SFSVL232**
		3-T8	**GVB2SFSVL332**
		4-T8	**GVB2SFSVL432**

Example

GVB2SFSVL432	UNV	H4	A
Guardsman Vandal Resistant	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.195	**Options** See page 4.195 and page 4.130

GVB2SFSVL26UUNVHI



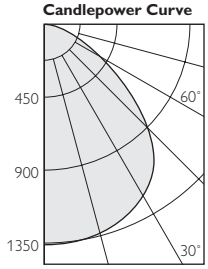
Reference data

Efficiency	55.5%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	60.7W

Candlepower Curve



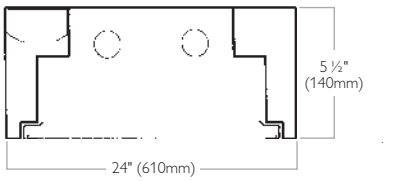
Ordering information

Type	Size	Lamp qty–Type	Surface box
Flat Steel Door	2' x 2'	2-6" T8	**GVB2SFSVL26U**
		3-TT5	**GVB2SFSVL3FT**
		3-1.6"U T8	**GVB2SFSVL32U**

Example

GVB2SFSVL26U	UNV	HI	A
Guardsman Vandal Resistant	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.195	**Options** See page 4.195 and page 4.130

GVB1SFSVL232UNVHI



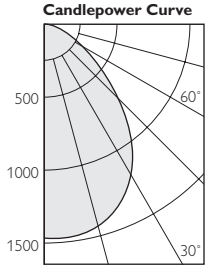
Reference data

Efficiency	54.9%
Spacing ratio	1.2

Electronic ballast

Input watts (120V)	55.6W

Candlepower Curve



Ordering information

Type	Size	Lamp qty–Type	Surface box
Flat Steel Door	1' x 4'	2-T8	**GVB1SFSVL232**

Example

GVB1SFSVL232	UNV	HI	A
Guardsman Vandal Resistant	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.195	**Options** See page 4.195 and page 4.130

Features

- Excellent for locations where vandal resistance is required.
- 20 gauge steel body.
- Prismatic lens (VL) is 3/16" thick, pattern 12, minimum impact strength, 130 foot pounds.
- Full perimeter gasketing (closed cell Neoprene) between Door frame and lens.
- Tamper resistant holt head screws secure lens to housing.
- 45° mitered corners (body and Door frame).
- Only 5-1/2" deep.
- 54.9% efficient (2 lamp T8).1x4
- 55.5% efficient (2U lamp T8).
- 65.2% efficient (4 lamp T8).
- Side mounted ballast for cooler operation.
- Fully enclosed wiring.
- Meets NYC Code requirements.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**

Ballast type	<10THD	<20THD
Electronic T8	**HI*, P2****	**S0***
1-3 Lamp T8	**H3*, P3****	**03***
1-4 Lamp T8	**H4*, P4****	**04***
Electronic TT5 40 Watt	**IB*, PR****	**SB***
1-3 Lamp TT5 40 Watt	**I3***	**X3***

* Instant start

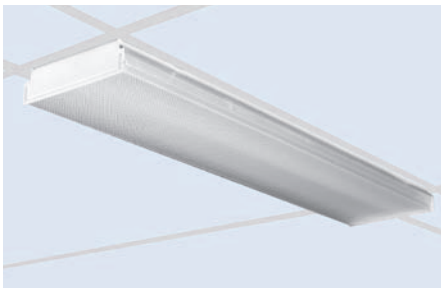
** Program start

Lens: For optional 9/64" thick **(VK)** pattern 12, minimum impact strength 80 foot pounds, substitute **VL** with **VK** in catalog no. ie GVB2SFS**VK**432

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, or emergency pack, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).

Suffix: **C** (Internal slow-blow fusing)



Guardsman Vandal Resistant

Fluorescent wraparound luminaire

Features

- Excellent for locations where vandal resistance is required.
- Prismatic lens is 50% DR (impact resistant), and 50% standard acrylic with a nominal thickness of 1/8", withstands 70 ft. lbs. impact without breaking.
- Tamper resistant holt head screws secure lens to housing.
- UL-Listed for direct mounting on low density ceilings and damp locations.
- Steel end caps, standard.
- Self-aligning for continuous row mounting.
- Heavy duty, die formed channel of code gauge steel.

Options & accessories page 4.130

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**

Ballast type	<10THD	<20THD
Electronic T8	**HI*, P2****	**S0***
1-3 Lamp T8	**H3*, P3****	**03***
1-4 Lamp T8	**H4*, P4****	**04***

* Instant start

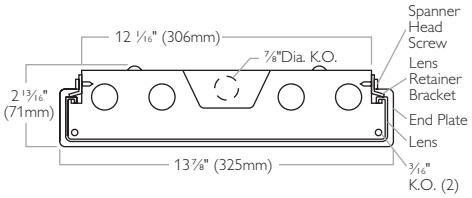
** Program start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).

Suffix: **C** (Internal slow-blow fusing).

GV4WB432UNVH4



Reference data

Efficiency	78.2%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	108W
LER FL	76

Candela Distribution

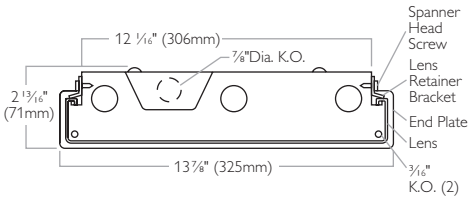
Angle	End	45	Cross
0	3116	3116	3116
5	3123	3119	3107
15	3020	3063	3099
25	2814	2941	3020
35	2506	2716	2830
45	2040	2285	2285
55	1178	1348	1257
65	632	695	862
75	348	395	553
85	95	229	372
95	0	156	306
105	3	163	237
115	6	119	162
125	10	87	117
135	15	65	91
145	13	48	65
155	13	31	46
165	11	17	25
175	11	11	14

Ordering information

Type	Size	Lamp qty–Type	Catalog no.
Surface Wraparound	15 5/16" x 48"	2-T8	**GV4WB232**
		4-T8	**GV4WB432**

Example: **GV4WB432** (Guardsman Vandal Resistant) | **UNV** (Voltage: **120** = 120V, **277** = 277V, **UNV**= 120-277V (Elec. T8 Ballast only)) | **H4** (Ballast: See page 4.196) | **A** (Options: See page 4.196 and page 4.130)

GV4WB332UNVH3



Reference data

Efficiency	79.8%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	86W
LER FL	75

Candela Distribution

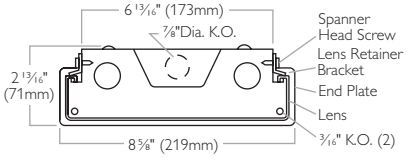
Angle	End	45	Cross
0	2339	2339	2339
5	2340	2337	2331
15	2267	2302	2328
25	2110	2208	2274
35	1876	2053	2133
45	1534	1730	1757
55	866	1020	973
65	474	540	679
75	260	310	453
85	68	184	322
95	0	134	266
105	1	137	205
115	4	94	129
125	8	60	78
135	10	45	60
145	9	34	47
155	9	22	33
165	8	12	17
175	8	7	9

Ordering information

Type	Size	Lamp qty–Type	Catalog no.
Surface Wraparound	15 5/16" x 48"	3-T8	**GV4WB332**

Example: **GV4WB332** (Guardsman Vandal Resistant) | **UNV** (Voltage: **120** = 120V, **277** = 277V, **UNV**= 120-277V) | **H3** (Ballast: See page 4.196) | **A** (Options: See page 4.196 and page 4.130)

GV4WA232UNVHI



Reference data

Efficiency	77.8%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	59W
LER FL	70

Candela Distribution

Angle	End	45	Cross
0	1482	1482	1482
5	1482	1482	1479
15	1432	1463	1483
25	1331	1409	1458
35	1186	1313	1375
45	967	1078	1045
55	541	615	568
65	305	329	388
75	162	208	292
85	45	129	251
95	0	111	261
105	1	147	199
115	3	83	107
125	4	48	62
135	6	44	57
145	7	34	47
155	7	21	32
165	5	9	15
175	5	6	7

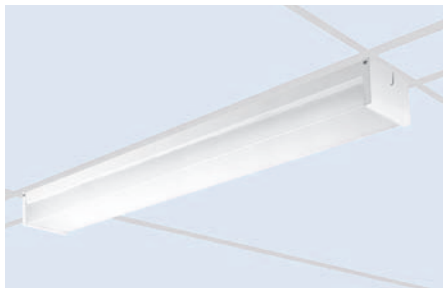
Ordering information

Type	Size	Lamp qty–Type	Catalog no.
Surface Wraparound	10 5/16" x 48"	2-T8	**GV4WA232**
	10 5/16" x 96"	2-T8 in Tandem (4 total)	**GV8WA232**

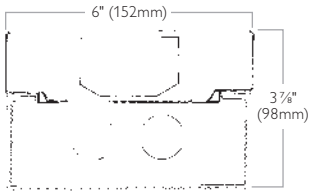
Example: **GV4WA232** (Guardsman Vandal Resistant) | **UNV** (Voltage: **120** = 120V, **277** = 277V, **UNV**= 120-277V) | **HI** (Ballast: See page 4.196) | **A** (Options: See page 4.196 and page 4.130)

Guardsman Vandal Resistant

GSW series ceiling or wall mounted luminaire

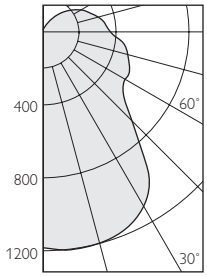


GS4V232UNVHI



Reference data	
Efficiency	73.9%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	59.1W
LER	62.9

Candlepower Curve



Ordering information

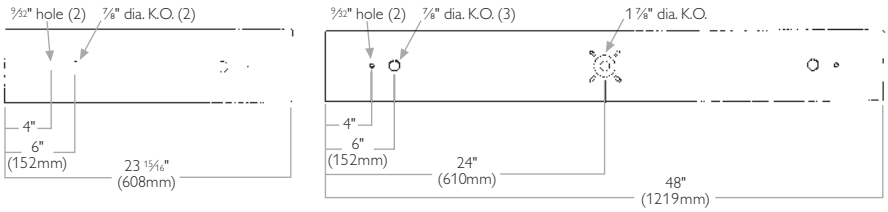
Type	Size	Lamp Length	Lamp qty–type	Catalog no.
GSW Vandal Resistant Ceiling or Wall	6" x 23 15/16"	24"	1-T8	**GS2V117**
			2-T8	**GS2V217**
	6" x 48"	48"	1-T8	**GS4V132**
			2-T8	**GS4V132**

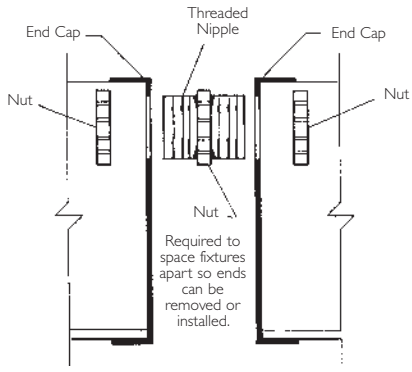
Example **GS4V232**
Guardsman Vandal Resistant
GSW Series

UNV
Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elec. T8 Ballast only)

HI
Ballast
See page 4.197

A
Options
See page 4.197 and page 4.130





For continuous row mounting

Features

- Excellent for locations where vandal resistance is required, areas such as hallways, stairwells, locker rooms, parking garages and psychiatric hospitals.
- For ceiling or wall mounted applications.
- Can be vertically or horizontally mounted on wall.
- 20 gauge cold rolled steel, post painted, baked white enamel housing.
- 18 gauge cold rolled steel post painted baked white enamel end caps, standard.
- Linear prismatic lens 50% DR (impact resistant) and 50% standard acrylic with nominal thickness of 1/8", withstands 70 foot pounds of impact without breaking.
- Tamper resistant holt head screws secure ends to housing.
- Only 3-7/8" deep, meets Americans with Disabilities Act for wall mounted fixtures.
- Nominal 2' and 4' lengths.
- 73.9% efficient (T8 lamps).

Options & accessories page 4.130

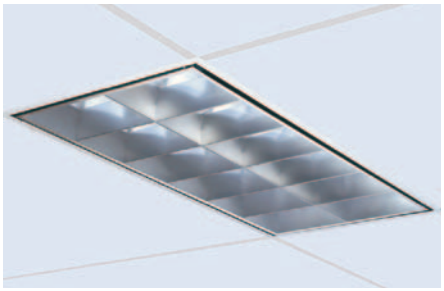
Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVHI**

Ballast type	<10THD	<20THD
Electronic T8	**HI***	**S0***

* Instant start

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).



IC Series 2' x 4' & 2' x 2'

3" parabolic recessed suitable for thermal insulation contact

Features

- UL Listed Type IC Recessed Luminaire (Intended for Thermal Insulated Contact).
- Construction provides optimum thermal performance.
- Ideal for fire rated ceilings.
- Black exterior for cooler ballast operating temperature.
- 5" deep body (2x4, 2x2)
- 77.7% efficient (3 light 18 cell)
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Pre-anodized aluminum parabolic louver.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Louver has protective film dust guard.

Options & accessories page 4.130

Louver: Finish Low iridescence semi-specular is standard. Consult factory for other finishes.

Ballast: Specify voltage (UNV) and type and add as suffix, e.g. **UNVC4**.

Ballast type	<10THD
Electronic T8	**C2***
1-3 Lamp Elec T8	**C3***
1-4 Lamp Elect T8	**C4***
1-3 Lamp TT5 (40W)	**NI***
Electronic TT5 (40W)	**NJ***

* Instant start High Efficiency.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

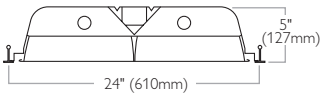
Continuous row installation: For **F** type fixtures, half-width flanges are required between fixtures. Catalog no.: **2FCTrim** for each joint.

Plaster frame: For **F** type troffers, order plaster frames separately. Catalog no.: **PF24** for 2'x4' troffer; **PF22** for 2'x2' troffer.

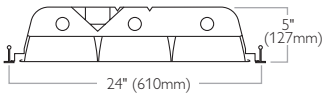
Drywall kit: Catalog no.: **FK92X4** for 2'x4' troffer; **FK92X2** for 2'x2' troffer

Chicago Plenum: For products that meet Chicago Plenum requirements, add Suffix: **C.**

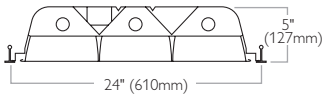
ICS2G12LS232UNVC2



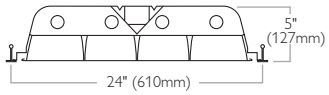
12 Cells (2-T8 or 4-T8)



18 Cells 24 Cells (3-T8 or 4-T8)



18 Cells 24 Cells (3-T8)



32 Cells (4-T8)

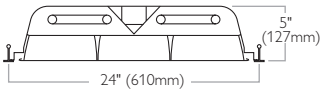
Ordering information

Type	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster	Slot-T or Concealed T
Static	12	2-T8	**ICS2G12LS232**	**ICS2F12LS232**	**ICS2T12LS232**
	12	4-T8	**ICS2G12LS432**	**ICS2F12LS432**	**ICS2T12LS432**
	18	3-T8	**ICS2G18LP332**	**ICS2F18LP332**	**ICS2T18LP332**
	24	3-T8	**ICS2G24LP332**	**ICS2F24LP332**	**ICS2T24LP332**
	18	3-T8	**ICS2G18LS332**	**ICS2F18LS332**	**ICS2T18LS332**
	18	4-T8	**ICS2G18LS432**	**ICS2F18LS432**	**ICS2T18LS432**
	32	4-T8	**ICS2G32LS432**	**ICS2F32LS432**	**ICS2T32LS432**

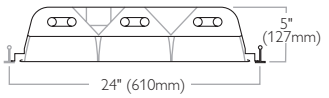
Example

ICS2G12LS232	UNV	C2	A
IC Series 3" Parabolic Recessed Suitable for Thermal Insulation Contact	**Voltage** **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** See page 4.198	**Options** See page 4.198 and page 4.130

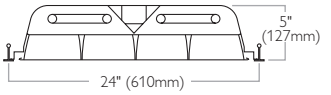
ICS2G9LS26UNVC2



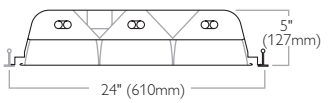
9 Cells or 12 Cells (2-T8U6)



9 Cells or 12 Cells (3-T8U1.6)



16 Cells (2-T8U6)



9 Cells or 12 Cells (3-TT5)

Ordering information

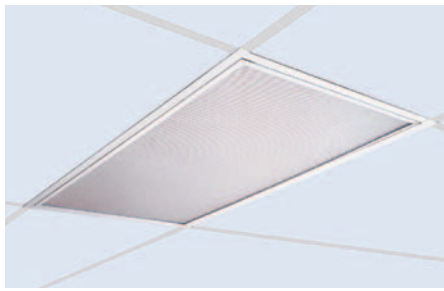
Type	Cells	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster	Slot-T or Concealed T
Static	9	2-T8U6	**ICS2G9LS26U**	**ICS2F9LS26U**	**ICS2G9LS26U**
	12	2-T8U6	**ICS2G12LS26U**	**ICS2F12LS26U**	**ICS2T12LS26**
	16	2-T8U6	**ICS2G16LS26U**	**ICS2F16LS26U**	**ICS2T16LS26U**
	9	3-T8U1.6	**ICS2G9LP32U**	**ICS2F9LP32U**	**ICS2T9LP32U**
	12	3-T8U1.6	**ICS2G12LP32U**	**ICS2F12LP32U**	**ICS2T12LP32U**
	9	3-TT5	**ICS2G9LP3FT**	**ICS2G12LP3FT**	**ICS2T9LP3FT**
	12	3-TT5	**ICS2G12LP3FT**	**ICS2G12LP3FT**	**ICS2T12LP3FT**

Example

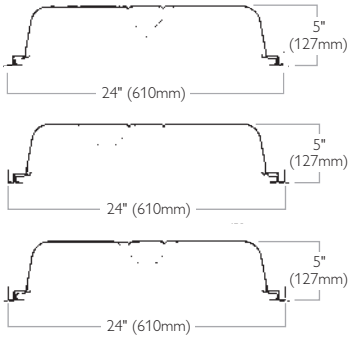
ICS2G9LS26U	UNV	C2	A
IC Series 3" Parabolic Recessed Suitable for Thermal Insulation Contact	**Voltage** **UNV**= 120-277V (Elec. T8 or TT5 Ballast only)	**Ballast** See page 4.198	**Options** See page 4.198 and page 4.130

IC Series 2' x 4' & 2' x 2'

Recessed lensed static suitable for thermal insulation contact



ICS2GFSVI432UNVC4



4 Lamp Data

Reference data	
Efficiency	81.2%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	108.7W
Ballast factor	73.2

Ordering information

Type	Size	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster
Static	2' x 4'	2-T8	**ICS2GFSVI232**	**ICS2FFSVI232**
		3-T8	**ICS2GFSVI332**	**ICS2FFSVI332**
		4-T8	**ICS2GFSVI432**	**ICS2FFSVI432**

Example **ICS2GFSVI432**

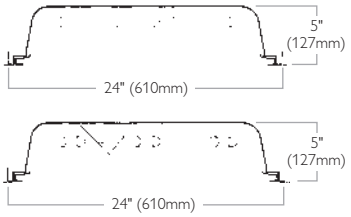
IC Series
Recessed Lensed Static Suitable for Thermal Insulation Contact

UNV
Voltage
UNV= 120-277V
(Elec. T8 Ballast only)

C4
Ballast
See page 4.199

A
Options
See page 4.199 and page 4.130

ICS2GFSVI26UUNVC2 & ICS2GFSVI32UUNVC3



2 Lamp Data

Reference data	
Efficiency	71.6%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	56.3W
Ballast factor	58.6

3 Lamp Data

Reference data	
Efficiency	67.9%
Spacing ratio	1.3
Electronic ballast	
Input watts (120V)	76.2W
Ballast factor	64.1

Ordering information

Type	Size	Lamp qty–type	Exposed T-Grid	Flanged for dry wall or plaster
Static	2' x 2'	2-T8U6	**ICS2GFSVI26U**	**ICS2FFSVI26U**
		3-TT5	**ICS2GFSVI3FT**	**ICS2FFSVI3FT**
		3-T8U1.6	**ICS2GFSVI32U**	**ICS2FFSVI32U**
		3-T8F17	**ICS2GFSVI317**	**ICS2FFSVI317**

Example **ICS2GFSVI26U**

IC Series
Recessed Lensed Static Suitable for Thermal Insulation Contact

UNV
Voltage
UNV= 120-277V
(Elec. T8 or TT5 Ballast only)

C2
Ballast
See page 4.199

A
Options
See page 4.199 and page 4.130

Features

- UL Listed Type IC Recessed Luminaire (Intended for Thermal Insulated Contact).
- Construction provides optimum thermal performance.
- Ideal for fire rated ceilings.
- Black exterior for cooler ballast operating temperature.
- 5" deep body (2x4, 2x2)
- 81.2% efficient (4 light)
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- True Mitered corner steel lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.
- Construction to meet Chicago Plenum requirements is available.

Options & accessories page 4.130

Special lenses: VI lens is standard virgin acrylic. For other available lenses, see page 4.130.

Ballast: Specify voltage (UNV) and type and add as suffix, e.g. **UNVC2**.

Ballast type	<10THD
Electronic T8	**C2***
1-3 Lamp Elec T8	**C3***
1-4 Lamp Elect T8	**C4***
1-3 Lamp TT5 40 Watt	**NI***
Electronic TT5 40 Watt	**NJ***

* Instant start High Efficiency.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory.

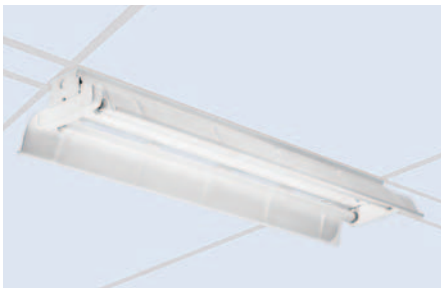
Continuous row installation: For F type fixtures, half-width flanges are required between fixtures. Catalog no.: **2FCTrim** (each joint, 2x2, 2x4).

Plaster frame: For **F** type troffers, order plaster frames separately. Catalog no.: **PF24** for 2'x4' troffer; **PF22** for 2'x2' troffer.

Door frames Available: ICS2G**FS** (flatsteel door), ICS2G**FA** (flat aluminum door) ICS2G**RA** (regressed aluminum door).

Chicago Plenum: For products that meet Chicago Plenum requirements, add Suffix: **C.**

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing.)



TU Turret Industrial

Fluorescent premium open industrial luminaire

Features

- Rugged telescoping turret lampholders.
- Optimum 5 3/8" lamp spacing (2 lamp units).
- Reflector is embossed for rigidity.
- Reflector sides are turned up for rigidity and safe handling.
- 12% aperture reflector, standard.
- Solid top reflector, optional.
- Reflector secured to housing with easy to use thumb screws.
- 4 1/8" wide clevis type housing channel.
- Fully enclosed wiring.
- Optional porcelain reflectors.
- Optional slide grip hangers.
- Optional heavy duty coupling, wire guards and reflector aligners.

page 4.217

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **TU4A232UNVHI**

Ballast type	<10THD	<20THD
Electronic T12 H0	–	**SS**
Std. Mag. HO/VHO	–	**PH**
Electronic T8	**HI*, P2****	**SO***
1 - 3 Lamp Electronic T8	**H3*, P3****	**03***
1 - 4 Lamp Electronic T8	**H4*, P4****	**04***

* Instant start
** Program start

Cold weather ballasts: T12 HO lamped fixtures are standard with –20°F ballasts. To specify cold weather (0°F) ballasts for RS or T8 fixtures. Suffix: **CW**.

Reflector Row Aligners: For continuous row installations, specify two additional bulk-packed aligners. Order Catalog no. **TU - SNA**.

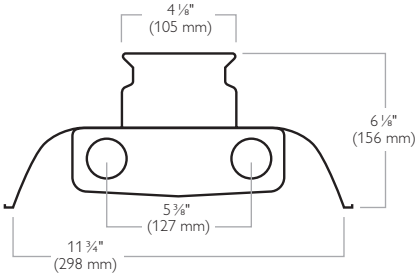
Housing row couplers: For continuous row mounting (stem/chain). One per joint required. Order cat. no. **LFL - 3**.

Side-grip hangers: Accepts 1/2" thread stems or rods. Slides into fixture chassis grooves. Order cat. no. **LFL - 111**.

Chain hanger kit: Order catalog no. **LFL - 123**.

4' Wire guard: Order catalog no. **LFL - 173**.

TU4A232UNVHI



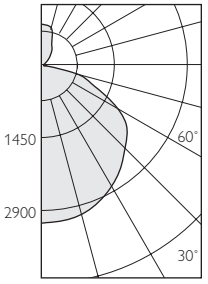
Reference data

Efficiency	91.7%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	61W
LER FI	80

Candlepower Curve



Ordering information

Type	Fixture length	Lamp length	Lamp qty/type	Catalog no.
12% Uplight	49 1/2"	48"	2-T8	**TU4A232**
	49 1/2"	48"	3-T8	**TU4A332**
	99 7/8"	48"	2-T8 in Tandem (4 total)	**TU8A232**
	99 7/8"	48"	3-T8 in Tandem (6 total)	**TU8A332**
	96"	96"	2-T8SL	**TU8A259SL**
	96"	96"	2-T8HO	**TU8A286HO**
	48"	48"	2-T12HO	**TU4A248HO**
	96"	96"	2-T12HO	**TU8A296HO**
	48"	48"	2-T12VHO	**TU4A248VO**
	96"	96"	2-T12VHO	**TU8A296VO**
Solid Top No Uplight	49 1/2"	48"	2-T8	**TU4S232**
	49 1/2"	48"	3-T8	**TU4S332**
	99 7/8"	48"	2-T8 in Tandem (4 total)	**TU8S232**
	99 7/8"	48"	3-T8 in Tandem (6 total)	**TU8S332**
	96"	96"	2-T8SL	**TU8S259SL**
	96"	96"	2-T8HO	**TU8S286HO**
	48"	48"	2-T12HO	**TU4S248HO**
	96"	96"	2-T12HO	**TU8S296HO**
	48"	48"	2-T12VHO	**TU4S248VO**
	96"	96"	2-T12VHO	**TU8S296VO**

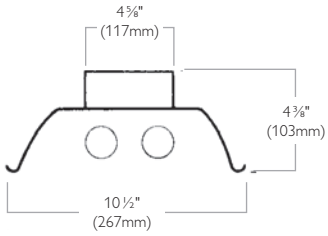
Example

TU4A232	UNV	HI	A
Turret Industrial Fluorescent Premium Open Industrial Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 32W Ballast only)	**Ballast** See page 4.200	**Options** See page 4.200 and page 4.217

KD/KW Industrial

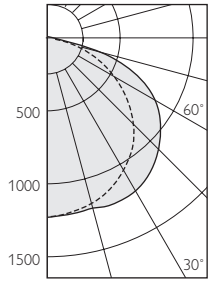
Standard open industrial luminaire

KW4S232UNVHI



Reference data	
Efficiency	88.4%
Spacing ratio	1.5
Electronic ballast	
Input watts (120V)	62.0W
LER FI	75.3

Candlepower Curve



Ordering information

Type	Fixture length	Lamp length	Lamp qty/type	Catalog no.
Solid Top No Uplite	48"	48"	2-T8	**KW4S232**
	96"	48"	2-T8 in Tandem (4 total)	**KW8S232**
	96"	96"	2-T8SL	**KW8S259SL**
	96"	96"	2-T8HO	**KD8S286HO**
	96"	96"	2-T12SL	**KW8S296SL**
	48"	48"	2-T12HO	**KD4S248HO**
	96"	96"	2-T12HO	**KD8S296HO**
	48"	48"	2-T12VHO	**KD4S248VO**
	96"	96"	2-T12VHO	**KD8S296VO**
10% Uplite	48"	48"	2-T8	**KW4A232**
	96"	48"	2-T8 in Tandem (4 total)	**KW8A232**
	96"	96"	2-T8SL	**KW8A259SL**
	96"	96"	2-T8HO	**KD8A286HO**
	96"	96"	2-T12SL	**KW8A296SL**
	48"	48"	2-T12HO	**KD4A248HO**
	96"	96"	2-T12HO	**KD8A296HO**
	48"	48"	2-T12VHO	**KD4A248VO**
	96"	96"	2-T12VHO	**KD8A296VO**

Example

KW4S232	UNV	HI	A
Turret Industrial Standard Open Industrial Luminaire	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elec. T8 32W Ballast only)	**Ballast** See page 4.201	**Options** See page 4.201 and page 4.217

Features

- Reflector is embossed for rigidity.
- Reflector sides are turned up for rigidity and safe handling.
- Solid top reflector, standard.
- 10% aperture reflector, optional.
- 4 1/8" wide housing channel.
- U.L. Listed snap-on end caps.
- Fully enclosed wiring.
- Combination end cap for continuous row mounting.
- Optional hangers, wire guards and aligners.
- Optional heavy duty coupling.
- Convenience outlet and switch K.O.'s provided.

Options & accessories page 4.217

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **KW4S232UNVHI**

Ballast type	<10THD	<20THD
Electronic T12 (H0 & SL)	–	**SS**
Std. Mag. HO/VHO	–	**PH**
Electronic T8	**HI*, P2****	**SO***
1 - 3 Lamp Electronic T8	**H3*, P3****	**03***
1 - 4 Lamp Electronic T8	**H4*, P4****	**04***

* Instant start

** Program start

4' Wire guard: Order two per 8' fixture. Order catalog no. **AWG4W CSP**.

Reflector row aligner: For continuous row installations. Order catalog no. **KND CSP**.

Side grip hanger: Accepts 1/2" thread stems or rods. Slides into fixture chassis grooves. For **KW** series order **NAHW CSP** and for **KD** series order **NAHD CSP**.

Hard surface mounting or twist tee: For **KW** series order **NAH3 CSP** and for **KD** series order **NAH3D CSP**.

Chain hanger kit: Order catalog no. **AH5 CSP.**

Heavy duty housing coupler: Order catalog no. **NHDC-W CSP**.

General utility

General utility luminaires are used in a wide variety of applications, ranging from the complex to the simple. This section highlights quality surface mounted strip lighting in all T12, T8 and T5 lamp styles. Our SV5 Louver and Lens Series offers many combinations within our SV T5 channel family. Enabling designers to use channels in both a stylish and practical method. Our standard, narrow, wide, deep and staggered channels meet all the requirements for today's construction needs. You will discover that Philips Lightolier provides many solutions for your general utility lighting needs.

Contents

SV5 > 4.204
T5 Strips > 4.206
Symmetric & Asymmetric Reflectors > 4.208
SD Deep Strip > 4.210
SS Staggered Strip > 4.211
SM Side Mount Strip > 4.211
SN Strip > 4.212
SW Strip > 4.213
Catalog numbering logic > 4.214
Surface/wall options > 4.216
Industrial options > 4.217
Drywall kit > 4.218
The ULM Module > 4.219
Ballast code options > 4.220
Air handling data > 4.222

SV5 louver and lens series

For 1 and 2 lamp 46 T5 strip (SV)

Stylish, when utilizing either the radial louver or linear ribbed prismatic lens, or practical in instances where no optic is required and shielded light is required. The SV5 Series offers many combinations within its offering that allows combinations of either solid, slotted or peforated reflector designs to be interchanged with different radial louver or lens options. The new reflector design also offers a nice alternative to the standard straight blade reflector when used without the lens/louver option. The SV5 Series is retro-fittable with SV4 Series strip.

Features

- 90.6 % Efficiency - based on 1-54W SV Strip with perforated reflector and clear linear ribbed lens.
- 86.1% Efficiency - Based on 2-28W SV Strip with perforated reflector and perforated radial louver.
- Post painted with high efficiency white powdered paint.
- Lay-in design optic allows for easy lamp maintenance.
- Low profile 3" 11-16 profile when installed.
- Tooled radial louver ensures design consistency in continuous row applications.
- Retro-fittable with CFI Brand SV4 T5 Strip.
- Louver - solid or perforated pattern radial blade.
- Lens - frosted linear or clear linear

Louver options

Options & accessories

Stem and canopy sets: Suspend luminaire 12", 18", 24", 36", or 48" from surface. (Two per luminaire is recommended.) Catalog no.: **SV5F12** (12"); **SV5F18** (18"); **SV5F24** (24"); **SV5F36** (36"); **SV5F48** (48").

Aircraft cable kit: Cat No: **SVCC60-UNV** (adj. 6"-60") 60" SV5 Power Feed, Cable and Canopy Kit

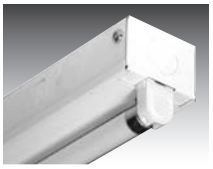
Cable and canopy kit: Cat No: **SVC60** (adj. 6"-60")

Chain hanging kit: Cat No: **EE9HC** Includes two 5' heavy duty link chains with sturdy "V" hook for fixture suspension.

Rocker switches and convenience outlets: Certain combinations of the SV Series strip with the new SV5 Reflector assembly will not accommodate these options. Please consult the specification sheets or your Philips Lightolier representative to validate the request.

Complete SV5 Luminaire

SV4 Strip (1 or 2 lamps)



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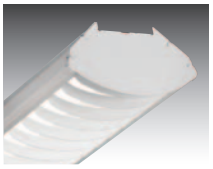
SV5 Reflector and shielding options



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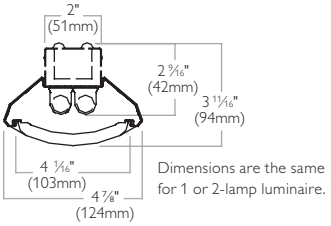
Complete SV5 luminaire

SV5LVW4SPER

Two 28W T5 Fluorescent lamps



RCR	C.U.
1	91
2	83
3	76
4	70
5	64
6	59
7	54
8	50
9	46
10	43

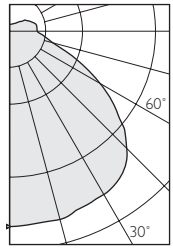
Reference data

Efficiency	86.1%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	64.0W
Luminaire Eff (LER)	1.0

Candlepower Curve



Ordering information

Type	Length (nom)	SV5 Reflector and louver*
White Perforated Reflector with White Perforated Radial Blade	46"	**SV5LVW4SPER****
White Solid Reflector with Grey Solid Radial Blade	46"	**SV5LGW4SSLD****

Application data*

Luminaire spacing		FC	W/Sq Ft
50' x 70' x 8.5' Space	8' on center	51	1.02
30' x 30' x 8.5' Space	10' on center	53	1.14
10' x 8' x 8' Space	6' on center	43	1.28
6' x 8' x 8' Space	Work Cell	36	1.33

* Average foot candles maintained. Total Light Loss Factor LLF=.90 Reflectances: 80% Ceiling, 50% Wall, 20% Floor RE835 T5/T5HO lamp lumens at 4400 rated at 25C.

* Only for use with 1 or 2-lamp T5 Strip (SV)

** For Slotted White Reflector, replace Solid White **SLD** by **SLT**. For Perforated White Reflector, replace Solid White **SLD** by **PER**. For White Perforated Radial Blade Louver, replace **LW** with **LV**. For Grey Perforated Radial Blade Louver, replace **LG** with **LH**

Example

SV5	LV	W4	S	PER
SV5 Reflector Accessory	**Louver design** **LV** = White/Perforated Blade **LW**= White/Solid Blade **LG** = Grey/Solid Blade **LH** = Grey/Perforated Blade	**Reflector** **W4** = Nominal 46" White (Std)	**Light dist.** **S** = Symmetric	**Reflector style** **SLD** = Solid **SLT** = Slotted **PER** = Perforated

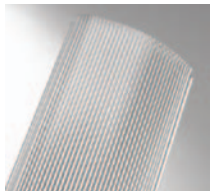
SV5 louver and lens series

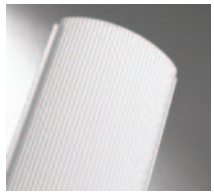
For 1 and 2 lamp 46 T5 strip (SV)

Features

- 90.6 % Efficiency - Based on 1-54W SV Strip with perforated reflector and clear linear ribbed lens.
- 86.1% Efficiency - Based on 2-28W SV Strip with perforated reflector and perforated radial louver.
- Post painted with high efficiency white powdered paint.
- Lay-in design optic allows for easy lamp maintenance.
- Low profile 3" 11-16 profile when installed.
- Tooled radial louver ensures design consistency in continuous row applications.
- Retro-fittable with CFI Brand SV4 T5 Strip.
- Louver - solid or perforated pattern radial blade.
- Lens - frosted linear or clear linear

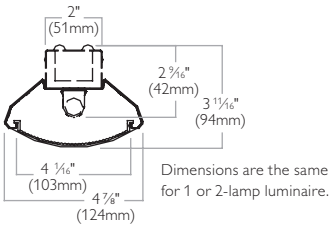
Lens options





SV5CLW4SPER

One 54W T5 HO Fluorescent lamp



Dimensions are the same for 1 or 2-lamp luminaire.

RCR	C.U.
1	95
2	86
3	79
4	72
5	66
6	61
7	56
8	51
9	47
10	44

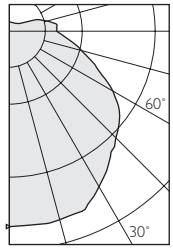
Reference data

Efficiency	90.6%
Spacing ratio	1.3

Electronic ballast

Input watts (120V)	64.0W
Luminaire Eff (LER)	1.1

Candlepower Curve



Ordering information

Type	Length (nom)	SV5 Reflector and louver*
White Perforated Reflector with Clear Linear Lens	46"	**SV5CLW4SPER****
White Solid Reflector with Frosted Linear Lens	46"	**SV5FLW4SSLT****

Application data*

Luminaire spacing		FC	W/Sq Ft
50' x 70' x 12' Space	8' on center	45	0.92
30' x 30' x 8.5' Space	10' on center	46	1.06
10' x 8' x 8' Space	8' on center	37	1.19
6' x 8' x 8' Space	Work Cell	36	1.25

* Average foot candles maintained. Total Light Loss Factor LLF=.90 Reflectances: 80% Ceiling, 50% Wall, 20% Floor RE835 T5/T5HO lamp lumens at 4400 rated at 25C.

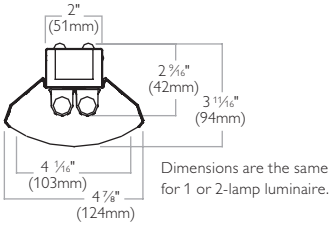
* Only for use with 1 or 2-lamp T5 Strip (SV)
** For Perforated White Reflector, replace Solid White **SLT** by **PER**

Example

SV5	CL	W4	S	PER
SV5 Reflector Accessory	**Louver design** **CL** = Clear Linear Lens **FL**= Frosted Linear Lens	**Reflector** **W4** = Nominal 46" White (Std)	**Light dist.** **S** = Symmetric	**Reflector style** **SLT** = Slotted **PER** = Perforated

SV5XXW4SSLD

Two 28W T5 Fluorescent lamps



Dimensions are the same for 1 or 2-lamp luminaire.

RCR	C.U.
1	96
2	88
3	80
4	74
5	67
6	62
7	57
8	52
9	48
10	44

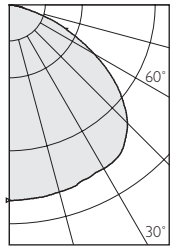
Reference data

Efficiency	87.8%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	64.0W
Luminaire Eff (LER)	1.0

Candlepower Curve



Ordering information

Type	Length (nom)	SV5 Reflector and louver*
White Solid Reflector	46"	**SV5XXW4SSLD**** **SV5XXW4SSLD**** **SV5XXW4SSLD****

Application data*

Luminaire spacing		FC	W/Sq Ft
50' x 70' x 12' Space	8' on center	45	0.88
30' x 30' x 8.5' Space	10' on center	34	0.64
10' x 8' x 8' Space	8' on center	22	0.64
6' x 8' x 8' Space	Work Cell	28	1.33

* Average foot candles maintained. Total Light Loss Factor LLF=.90 Reflectances: 80% Ceiling, 50% Wall, 20% Floor RE835 T5/T5HO lamp lumens at 4400 rated at 25C.

Lens option not available with a solid reflector
* Only for use with 1 or 2-lamp T5 Strip (SV)
** For Slotted White Reflector, replace Solid White **SLD** by **SLT**.
For Perforated White Reflector, replace Solid White **SLD** by **PER**.

Example

SV5	XX	W4	S	SLD
SV5 Reflector Accessory	**Louver design** **XX** = No Lens / Louver	**Reflector** **W4** = Nominal 46" White (Std)	**Light dist.** **S** = Symmetric	**Reflector style** **SLD** = Solid (N/A with Lens option) **SLT** = Slotted **PER** = Perforated

Options & accessories

Stem and canopy sets: Suspend luminaire 12", 18", 24", 36", or 48" from surface. (Two per luminaire is recommended.) Catalog no.: **SV5F12** (12"); **SV5F18** (18"); **SV5F24** (24"); **SV5F36** (36"); **SV5F48** (48").

Aircraft cable kit: Cat No: **SVCC60-UNV** (adj. 6"-60") 60" SV5 power feed, cable and canopy kit

Cable and canopy kit: Cat No: **SVC60** (adj. 6"-60")

Chain hanging kit: Cat No: **EE9HC** Includes two 5' heavy duty link chains with sturdy "V" hook for fixture suspension.

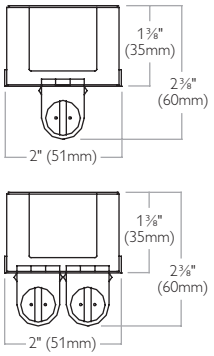
Rocker switches and convenience outlets: Certain combinations of the SV Series strip with the new SV5 Reflector assembly will not accommodate these options. Please consult the specification sheets or your Philips Lightolier representative to validate the request.

T5 strip series 22", 34", 46", 92"

Surface strips (SV)

SV4S228UNVPG

2 T5 Strip



RCR	C.U.
1	90
2	77
3	67
4	59
5	52
6	46
7	41
8	37
9	33
10	30

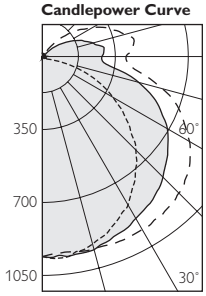
Reference data

Efficiency	93,3%
Spacing ratio	1.5

Electronic ballast

Input watts (120V)	66.0W
Ballast factor	1.0

Candlepower Curve



Features

- Only 2" Wide.
- Utilizes compact, high efficiency, T5 or T5HO lamps.
- Fully enclosed wiring.
- Optional white or specular, symmetric and assymetric reflector.
- Convenience outlet and switch K.O.s provided.
- Push through lamp holders with rotor for secure lamp retention.
- Optional hangers and guards.

Ordering information

Type	Length (nominal)	Number of lamps	T5	T5HO
Strip T5	22"	1	**SV2S114**	**SV2S124**
	22"	2	**SV2S214**	**SV2S224**
	34"	1	**SV3S121**	**SV3S139**
	34"	2	**SV3S221**	**SV3S239**
	46"	1	**SV4S128**	**SV4S154**
	46"	2	**SV4S228**	**SV4S254**
	92"	2 (tandem)	**SV8S128**	**SV8S154**
	92"	4 (tandem)	**SV8S228**	**SV8S254**

Example

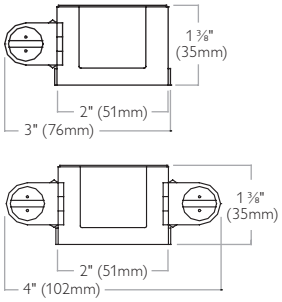
SV4S228	UNV	PG	
Strip T5 Surface Strips	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See next page	**Options** See next page

T5 side-mount strip series 26", 38", 50"

Surface side-mount strips (SM)

SM4S228UNVPG

2 T5 Sidemount Strip



RCR	C.U.
1	86
2	74
3	65
4	57
5	50
6	45
7	40
8	36
9	33
10	30

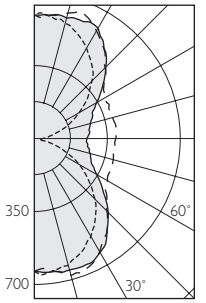
Reference data

Efficiency	94,5%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	66.0W
Ballast factor	1.0

Candlepower Curve



Features

- Only 1 3/8" deep.
- Utilizes compact, high efficiency, T5 or T5HO lamps.
- Fully enclosed wiring.
- Convenience outlet and switch K.O.s provided (1 lamp only).
- Push through lamp holders with rotor for secure lamp retention.

Ordering information

Type	Length (nominal)	Number of lamps	T5	T5HO
Side-mount Strip T5	22"	1	**SM2S114**	**SM2S124**
	22"	2	**SM2S214**	**SM2S224**
	34"	1	**SM3S121**	**SM3S139**
	34"	2	**SM3S221**	**SM3S239**
	46"	1	**SM4S128**	**SM4S154**
	46"	2	**SM4S228**	**SM4S254**

Example

SM4S228	UNV	PG	
Strip T5 Surface Strips	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See next page	**Options** See next page

T5 staggered strip series 26", 38", 50"

Surface staggered strips

Features

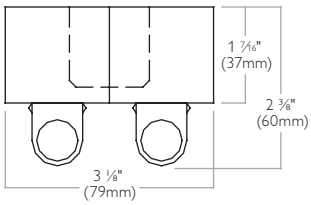
- Only 2" Wide.
- Utilizes compact, high efficiency, T5 or T5HO lamps.
- Fully enclosed wiring.
- Optional white or specular, symmetric and assymetric reflector.
- Convenience outlet and switch K.O.s provided.
- Push through lamp holders with rotor for secure lamp retention.
- Optional hangers and guards.

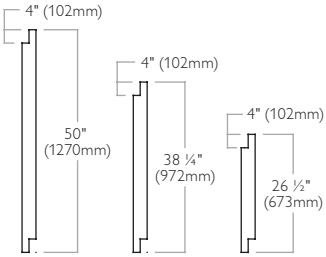
Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **UNVPG**.

SS4S228UNVPG

2 T5 Staggered Strip



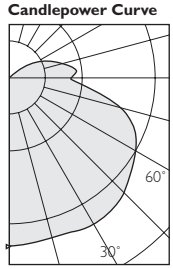


RCR	C.U.
1	88
2	76
3	66
4	58
5	50
6	45
7	40
8	36
9	32
10	29

Reference data	
Efficiency	90,4%
Spacing ratio	1.5

Electronic ballast	
Input watts (120V)	66.0W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Length (nominal)	Number of lamps	T5	T5HO
Staggered Strip T5	26½"	1	**SS2S114**	**SS2S124**
	26½"	2	**SS2S214**	**SS2S224**
	38¼"	1	**SS3S121**	**SS3S139**
	38¼"	2	**SS3S221**	**SS3S239**
	50"	1	**SS4S128**	**SS4S154**
	50"	2	**SS4S228**	**SS4S254**

Application data*

Luminaire spacing		FC	W/Sq Ft
50' x 70' x 8.5' Space	12' on center	29	.45
30' x 30' x 8.5' Space	10' on center	36	.66
12' x 16' x 8.5' Space	8' on center	54	1.4

* Average footcandles mounted total LLF Reflectance 60% ceiling, 50% wall, 20%. Floor T5 rated at 2610 lumens (25°C).

Example

SS4S228	UNV	PG	
Staggered Strip T5 Surface Strips	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V	**Ballast** See page 4.207	**Options** See page 4.207 and page 4.216

Ballast type

Electronic T5 (1 or 2 LPB) Program start	**PG**
Electronic T5 (1 or 2 LPB) Power Spec Dimming (120/277V only)	**PF**

LPB = Number of lamps per ballast.

Radio interference filter: Suffix: **R**.
120 or 277 volt at 50 or 60Hz.

Stem and canopy sets: Suspend luminaire 12", 18", 24", 36", or 48" from surface. (Two per luminaire is recommended. For 34" and 46" SV Strip only.)
Catalog no.: **SV5F12** (12"); **SV5F18** (18"); **SV5F24** (24"); **SV5F36** (36"); **SV5F48** (48")

Chain hanging kit: Includes two 5' heavy duty link chains with sturdy "**V**" hook for fixture suspension. (34" and 46" SV Strip only.) Catalog no.: **AH5 CSP**

Wire guard: white wire guard. Catalog no.:
For **SV** Strip T5 34": **SV5GXW3**
For **SV** Strip T5 46": **SV5GXW4**

Reflectors: See Page page 4.208 + 4.209

Symmetric reflector 2', 3', 4'

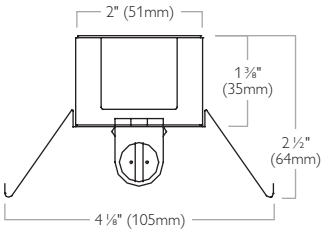
For 1 or 2 lamps T5 strip (SV)

Features

- Only 1⅜" deep.
- Installation on regular SV T5 strip, 1 or 2 lamps.
- Available in white or high reflectivity specular finish.
- Optional micro-perforated or slotted white reflector.

SV5R1S4SSLD / SV4S154UNVPG

1 T5 Symmetric Silver



RCR	C.U.
1	90
2	77
3	67
4	59
5	52
6	46
7	41
8	37
9	33
10	30

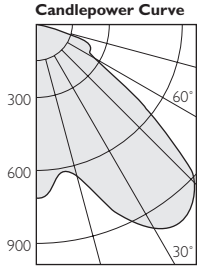
Reference data

Efficiency	87,5%
Spacing ratio	1.9

Electronic ballast

Input watts (120V)	64.0W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Length (nominal)		Reflector for T5 Strip*
Symetric Reflector White	22"		**SV5R1W2SSLD****
	34"		**SV5R1W3SSLD****
	46"		**SV5R1W4SSLD****
	92"	**2X**	**SV5R1W4SSLD****
Symetric Reflector Silver	22"		**SV5R1S2SSLD**
	34"		**SV5R1S3SSLD**
	46"		**SV5R1S4SSLD**
	92"	**2X**	**SV5R1S4SSLD**

Application data*

Luminaire spacing		FC	W/Sq Ft
50' x 70' x 8.5' Space	12' on center	25	.44
30' x 30' x 8.5' Space	10' on center	31	.64
12' x 16' x 8.5' Space	8' on center	47	1.3

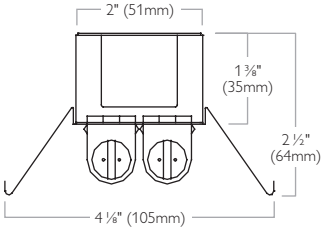
* Average footcandles mounted total LLF =.90 Reflectance 80% ceiling, 50% wall, 20% Floor T5 rated at (25°C).

Lamp rated at 2610 lumens

* Use with 1 or 2 T5 Strip (**SV**)
** For Slotted White Reflector, replace Solid White **SLD** by **SLT**
For Microperforated White Reflector, replace Solid White **SLD** by **PER**

SV5R1W4SSLD / SV4S254UNVPG

2 T5 Symmetric White



RCR	C.U.
1	86
2	74
3	65
4	57
5	50
6	45
7	40
8	36
9	33
10	30

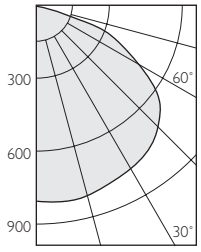
Reference data

Efficiency	78.7%
Spacing ratio	1.4

Electronic ballast

Input watts (120V)	121.0W
Ballast factor	1.0

Candlepower Curve



Ordering information

Type	Length (nominal)		Reflector for T5 Strip*
Symetric Reflector White	22"		**SV5R1W2SSLD****
	34"		**SV5R1W3SSLD****
	46"		**SV5R1W4SSLD****
	92"	**2X**	**SV5R1W4SSLD****
Symetric Reflector Silver	22"		**SV5R1S2SSLD**
	34"		**SV5R1S3SSLD**
	46"		**SV5R1S4SSLD**
	92"	**2X**	**SV5R1S4SSLD**

Application data*

Luminaire spacing		FC	W/Sq Ft
50' x 70' x 8.5' Space	12' on center	50	.83
30' x 30' x 8.5' Space	10' on center	51	1.2
12' x 16' x 8.5' Space	8' on center	84	2.5

* Average footcandles mounted total LLF =.90 Reflectance 80% ceiling, 50% wall, 20% Floor T5 rated at (25°C).

Lamp rated at 4400 lumens

* Use with 1 or 2 T5 Strip (**SV**)
** For Slotted White Reflector, replace Solid White **SLD** by **SLT**
For Microperforated White Reflector, replace Solid White **SLD** by **PER**

Asymmetric reflector 2', 3', 4'

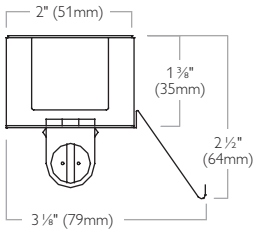
For 1 or 2 lamps T5 strip (SV)

Features

- Only 1⅜" deep.
- Installation on regular SV T5 strip, 1 or 2 lamps.
- Available in white or high reflectivity specular finish.

SV5R1W4ASLD / SV4S154UNVPG

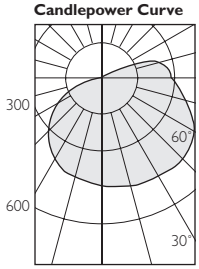
1 T5 Asymmetric White



RCR	C.U.
1	88
2	76
3	66
4	58
5	50
6	45
7	40
8	36
9	32
10	29

Reference data	
Efficiency	91.8%
Spacing ratio	-
Electronic ballast	
Input watts (120V)	64.0W
Ballast factor	1.1

Candlepower Curve



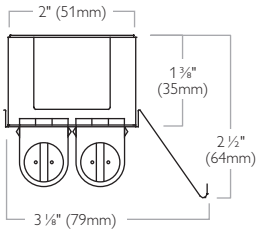
Ordering information

Type	Length (nominal)		Reflector for T5 Strip*
Symetric Reflector White	22"		**SV5R1W2ASLD****
	34"		**SV5R1W3ASLD****
	46"		**SV5R1W4ASLD****
	92"	**2X**	**SV5R1W4ASLD****
Symetric Reflector Silver	22"		**SV5R1S2ASLD**
	34"		**SV5R1S3ASLD**
	46"		**SV5R1S4ASLD**
	92"	**2X**	**SV5R1S4ASLD**

* Use with 1 or 2 T5 Strip (**SV**)
** For Slotted White Reflector, replace Solid White **SLD** by **SLT**
For Microperforated White Reflector, replace Solid White **SLD** by **PER**

SV5R1W4ASLD / SV4S254UNVPG

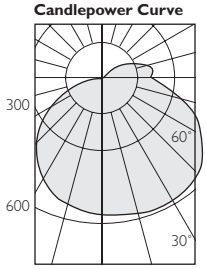
2 T5 Asymmetric White



RCR	C.U.
1	86
2	75
3	65
4	57
5	50
6	45
7	40
8	36
9	32
10	29

Reference data	
Efficiency	85.8%
Spacing ratio	-
Electronic ballast	
Input watts (120V)	121.0W
Ballast factor	1.0

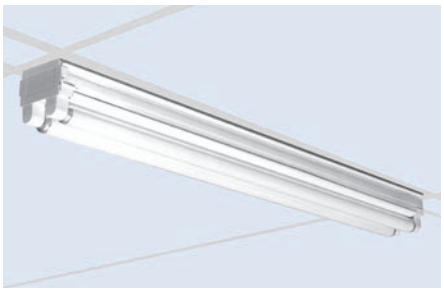
Candlepower Curve



Ordering information

Type	Length (nominal)		Reflector for T5 Strip*
Symetric Reflector White	22"		**SV5R1W2ASLD****
	34"		**SV5R1W3ASLD****
	46"		**SV5R1W4ASLD****
	92"	**2X**	**SV5R1W4ASLD****
Symetric Reflector Silver	22"		**SV5R1S2ASLD**
	34"		**SV5R1S3ASLD**
	46"		**SV5R1S4ASLD**
	92"	**2X**	**SV5R1S4ASLD**

* Use with 1 or 2 T5 Strip (**SV**)
** For Slotted White Reflector, replace Solid White **SLD** by **SLT**
For Microperforated White Reflector, replace Solid White **SLD** by **PER**



SD Deep Strip

High output/very high output

Features

- Fixtures suitable for individual, row, surface, or suspension mounting.
- Efficiency 92.3% (T12).
- Quarter turn latch secures channel cover for easy wireway access.
- Heavy duty channel of code gauge die formed steel.
- Fully enclosed wiring.
- U.L. Listed snap-on end caps.
- Combination end cap for continuous row mounting.
- Green grounding screw installed in channel.
- Lampholders may be individually replaced or rewired.
- T8 (380mA) and T12 (800mA) standard fixtures include ballasts rated for –20°F starting temperature.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. **120SO**.

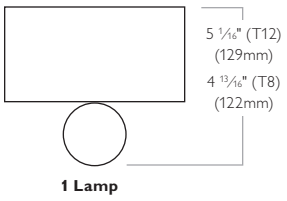
Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
Electronic P.S. T8	**P2**	–
Electro-Magnetic	–	**PH**
Elcetronic T12 Standard	–	**SS**

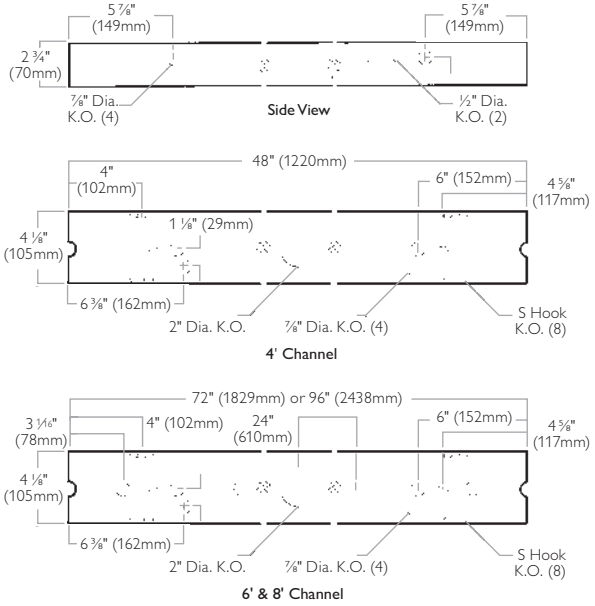
* Instant start.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory. Optional hangers, wire guards & aligners, see page 4.216.

Fusing: Suffix: **A** (Internal fast-blow fusing). Suffix: **C** (Internal slow-blow fusing).

SD8S296HO120SS

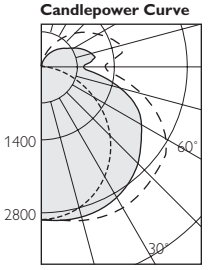




Ordering information

Fixture length	Nominal lamp length	Lamps qty - type	Catalog no. SD 1 or 2 lamps wide
48"	48"	1-T12HO	**SD4S148HO**
96"	48"	1-T12VHO	**SD4S148VO**
96"	96"	1-T12HO	**SD8S196HO**
192"	96"	1-T12HO in Tandem (2 Total)	**SD8T196HO**
96"	96"	1-T12VHO	**SD8S196VO**
192"	96	1-T12HO in Tandem (2 Total)	**SD8T196VO**
48"	48"	2-T8HO	**SD4S244HO**
		2-T12HO	**SD4S248HO**
		2-T12VHO	**SD4S248VO**
96"	96"	2-T12HO	**SD8S296HO**
		2-T12VHO	**SD8S296VO**
96"		1-T8HO	**SD8S186HO**
192"	96"	1-T8 in Tandem (2 Total)	**SD8T186HO**
96"		2-T8HO	**SD8S286HO**

Candlepower Curve



Reference data

Efficiency	92,3%
Spacing ratio	1.59

Electronic ballast

Input watts (120V)	232W
LER = FS	67.3

Reflectors

Type	Size	Catalog no.
Symmetrical	48"	**NSYMF48S CSP**
Asymmetrical	48"	**NASYF48S CSP**

Accessories

AC1 CSP = spacer each.
NAH3D CSP = twis tee each.
NAHD CSP = slide grip each.
AWG3W CSP = wire guard each 4ft.

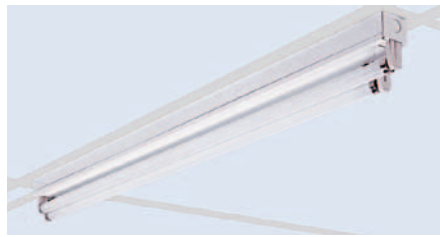
All symmetric and asymmetric reflectors are shipped separately from the fixture.

Example

SD8S296HO	120	SS	A
SD Strip	**Voltage**	**Ballast**	**Options**
High Output	**120** = 120V	See page 4.210	See page 4.210
Very High Output	**277** = 277V		and page 4.216

SS Staggered Strip

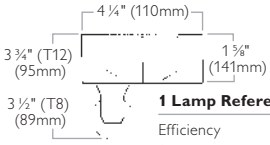
Surface strip



Features

- Full 3" overlap eliminates shadows caused by lampholders or lamp ends.
- Housing is only 1 5/8" deep.
- Safe-handling metal edges.
- Fully enclosed wireway.
- Excellent for perimeter cove lighting or other applications where continuous even illumination is required.

SS4S132HPFUNVHI



1 Lamp Reference data

Efficiency	89,5%
Spacing ratio	1.6

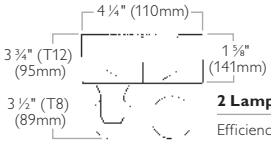
Ordering information

Fixture length	Nominal lamp length	Lamps qty - type	1 Lamp Catalog no.
23 15/16"	24"	1-T8	**SS2S117HPF**
23 15/16"	24"	1-T12	**SS2S120HPF**
35 15/16"	36"	1-T8	**SS3S125HPF**
35 15/16"	36"	1-T12	**SS3S130HPF**
47 15/16"	48"	1-T8	**SS4S132HPF**
68 15/16"	36"	2-T8	**SS6T125HPF**
68 15/16"	36"	2-T12	**SS6T130HPF**
92 15/16"	48"	2-T8	**SS8T132HPF**

1 lamp T8 Reflectors (T8 only)

Type	Size	Catalog no.
	24"	**ASYC20STG**
Asymmetrical	36"	**ASYC30STG**
	48"	**ASYC40STG**

SS4S232HPFUNVHI



2 Lamp Reference data

Efficiency	89,5%
Spacing ratio	1.6

Ordering information

Fixture length	Nominal lamp length	Lamps qty - type	2 Lamp Catalog no.
26 15/16"	24"	2-T8	**SS2S217HPF**
26 15/16"	24"	2-T12	**SS2S220HPF**
38 15/16"	36"	2-T8	**SS3S225HPF**
38 15/16"	36"	2-T12	**SS3S230HPF**
50 15/16"	48"	2-T8	**SS4S232HPF**
74 15/16"	36"	4-T8	**SS6T225HPF**
74 15/16"	36"	4-T12	**SS6T230HPF**
98 15/16"	48"	4-T8	**SS8T232HPF**

2 lamp Reflectors (T8 only)

Type	Size	Catalog no.
	24"	**ASYF24STG**
Asymmetrical	36"	**ASYF36STG**
	48"	**ASYF48STG**

Example **SS4S132HPF**

SS Strip
Narrow Width Channel

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V (Elect T8 only)

HI

Ballast
See page 4.211

A

Options
See page 4.211 and page 4.216

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
1-4 Lamp Electronic T8	**H4***	**O4***
LOL T8 Dimming	–	**PS**
Magnetic T12		
HPF Models	–	**PH**
LPF Models	–	**PL**

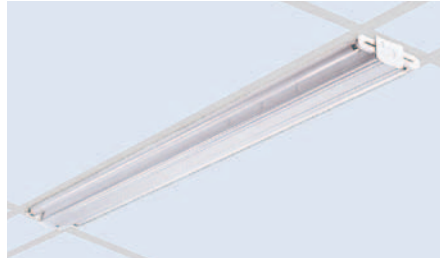
* Instant start.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory. Optional hangers, wire guards & aligners, see page 4.216.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

SM Side Mount Strip

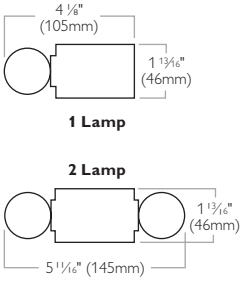
Surface strip

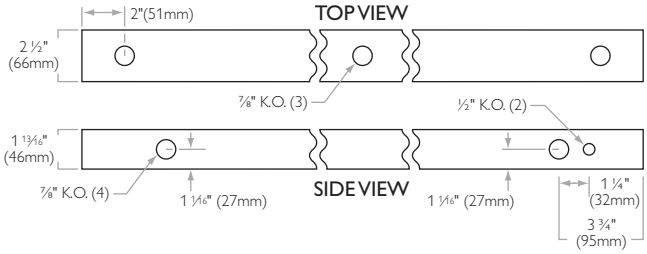


Features

- Only 1 13/16" deep.
- Efficiency 95.8%.
- Ballast cover secured by quarter-turn latches.
- Fully enclosed wiring.
- May be surface mounted or suspended.
- May be continuous row mounted.
- Code gauge, heavy duty, die formed steel channel.
- Multiple knockouts for convenient installation.
- Lampholders may be individually replaced or rewired.
- High reflectance baked white enamel finish.
- U.L. Listed for damp locations.

SM132HPFUNVHI



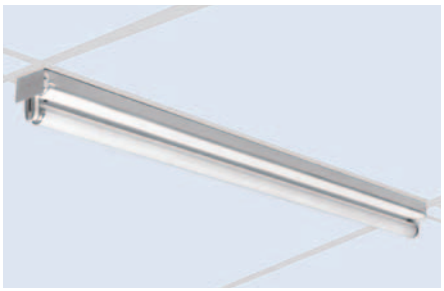


Dimensions

Channel length	Inches	(mm)
2' Channel	24"	(610 mm)
3' Channel	36"	(914 mm)
4' Channel	48"	(1219 mm)

Ordering information

Fixture length	Nominal lamp length	Lamps qty - type	1 Lamp Catalog no.	1 Lamp Catalog no.
24"	24"	T8	**SM117HPF**	**SM217HPF**
24"	24"	T12	**SM120LPF**	**SM220LPF**
36"	36"	T8	**SM125HPF**	**SM225HPF**
36"	36"	T12	**\SM130LPF**	**–**
36"	36"	T12	**SM130HPF**	**SM230HPF**
48"	48"	T12	**SM134LPF**	**–**
48"	48"	T8	**SM132HPF**	**SM232HPF**



SN Strip

Narrow width channel

Features

- Fixtures suitable for individual, row, surface, or suspension mounting.
- Efficiency 94% (T8).
- Quarter turn latch secures channel cover for easy wireway access.
- Heavy duty channel of code gauge die formed steel.
- Only 2 1/2" wide.
- Fully enclosed wiring.
- U.L. Listed snap-on end caps.
- Combination end cap for continuous row mounting.
- Green grounding screw installed in channel.
- U.L. listed for direct mounting on low density ceilings and damp location.

Options & accessories page 4.216

Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

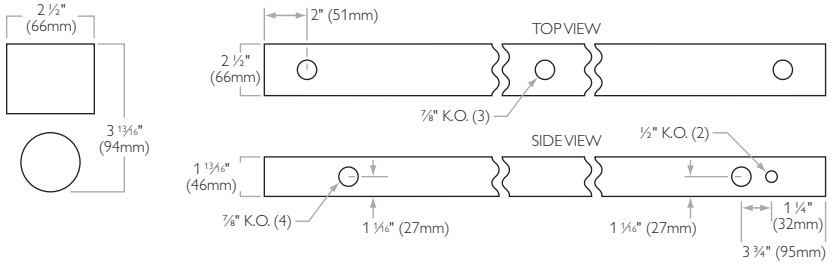
Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
LOL T8 Dimming	–	**PS**
Magnetic T12 Standard Electro-Magnetic LPF Models	**PL**	–
Electronic T12 HPF Models 18", 24", 36" only	**SS**	–

* Instant start.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory. Optional hangers, wire guards & aligners, see page 4.216.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

SN4S132HPFUNVHI



Dimensions

Channel length	Inches	(mm)
18" Channel	18"	(457 mm)
2' Channel	24"	(610 mm)
3' Channel	36"	(914 mm)
4' Channel	48"	(1219 mm)
6' Channel	72"	(1829 mm)
8' Channel	96"	(2438 mm)

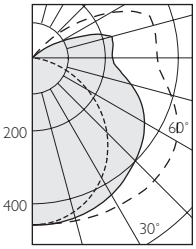
Reference data

Efficiency	94,0%
Spacing ratio	1.6

Electronic ballast

Input watts (120V)	36.0W
LER = FS	66.7

Candlepower Curve



Ordering information

Fixture length	Lamp length	Lamps qty - type	Catalog no.
24"	24"	1-T8	**SN2S117HPF**
36"	36"	1-T8	**SN3S125HPF**
48"	48"	1-T8	**SN4S132HPF**
96"	48"	1-T8 in Tandem (2 Total)	**SN8T132HPF**
18"	18"	1-T12	**SN1S115HPF**
18"	18"	1-T12	**SN1S115LPF**
24"	24"	1-T12	**SN2S120HPF**
24"	24"	1-T12	**SN2S120LPF**
36"	36"	1-T12	**SN3S130HPF**
36"	36"	1-T12	**SN3S130LPF**
48"	48"	1-T12	**SN4S134LPF**

Example **SN4S132HPF**

SN Strip
Narrow Width Channel

UNV

Voltage
120 = 120V
277 = 277V
UNV= 120-277V
(Elect T8 only)

HI

Ballast
See page 4.212

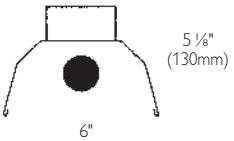
A

Options
See page 4.212 and page 4.216

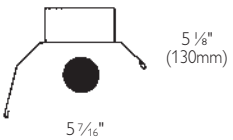
Reflectors

Type	Size	Catalog no.
Symmetrical	24"	**NSYMC20 CSP**
	36"	**NSYMC30 CSP**
	48"	**NSYMC40 CSP**
Asymmetrical	24"	**NASYC20 CSP**
	36"	**NASYC30 CSP**
	48"	**NASYC40 CSP**

Symmetrical



Asymmetrical

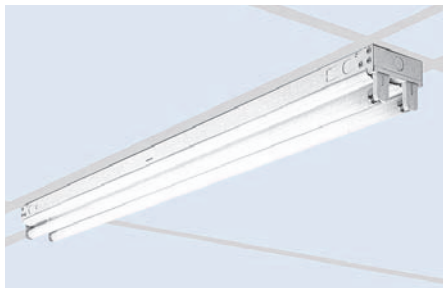


Accessories

AC1 CSP = spacer each.
AWG1W CSP = wire guard each.
All symmetric and asymmetric reflectors are shipped separately from the fixture.

SW Strip

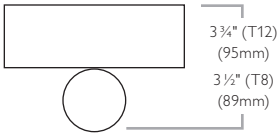
Standard strip wide



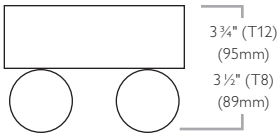
Features

- Fixtures suitable for individual, row, surface, or suspension mounting.
- Efficiency 97.3% (T8).
- Quarter turn latch secures channel cover for easy wireway access.
- Heavy duty channel of code gauge die formed steel.
- Fully enclosed wiring.
- U.L. Listed snap-on end caps.
- Combination end cap for continuous row mounting.
- Green grounding screw installed in channel.
- Lampholders may be individually replaced or rewired.
- U.L. listed for direct mounting on low density ceilings and damp locations.

SW4S232HPFUNVHI



1 Lamp



2 Lamp

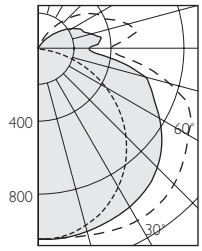
Reference data

Efficiency	97.3%
Spacing ratio	1.58

Electronic ballast

Input watts (120V)	60.3W
LEF = FS	80.5

Candlepower Curve



Ordering information

Fixture length	Lamp length	1 Lamp -type	1 Lamp Catalog no.	2 Lamp -type	2 Lamp Catalog no.
24"	24"	1-T8	**SW2S117HPF**	2-T8	**SW2S217HPF**
36"	36"	1-T8	**SW3S125HPF**	2-T8	**SW3S225HPF**
48"	48"	1-T8	**SW4S132HPF**	2-T8	**SW4S232HPF**
96"	48"	1-T8 in Tandem (2 Total)	**SW8T132HPF**	2-T8 (in Tandem -2 Total)	**SW8T232HPF**
96"	96"	1-T8 SL	**SW8S159SL**	2-T8 SL	**SW8S259SL**
24"	24"	1-T12	**SW2S120HPF**	2-T12	**SW2S220HPF**
24"	24"	1-T12	**SW2S120LPF**	2-T12	**SW2S220LPF**
36"	36"	1-T12	**SW3S130HPF**	2-T12	**SW3S230HPF**
36"	36"	1-T12	**SW3S130LPF**	2-T12	**SW3S230LPF**
48"	48"	1-T12	**SW4S134LPF**	2-T12	**SW4S234LPF**
48"	48"	1-T12SL	**SW4S148SL**	2-T12SL	**SW4S248SL**
72"	72"	1-T12SL	**SW6S172SL**	2-T12SL	**SW6S272SL**
96"	96"	1-T12SL	**SW8S196SL**	2-T12SL	**SW8S296SL**
192"	96"	1-T12 in Tandem (2 Total)	**SW8T196SL**	–	**–**

Example

SW4S232HPF	UNV	HI	A
SW Strip Standard Strip Wide	**Voltage** **120** = 120V **277** = 277V **UNV**= 120-277V (Elect T8 only)	**Ballast** See page 4.213	**Options** See page 4.213 and page 4.216

Reflectors

Type	Size	Catalog no.
Symmetrical	24"	**NSYMF24S CSP**
	36"	**NSYMF36S CSP**
	48"	**NSYMF48S CSP**
Asymmetrical	24"	**NASYF24S CSP**
	36"	**NASYF36S CSP**
	48"	**NASYF48S CSP**

Accessories

AC1 CSP = spacer each.
NAH3 CSP= twis tee each.
AWG1W CSP = wire guard each.

All symmetric and asymmetric reflectors are shipped separately from the fixture.

Options & accessories page 4.216

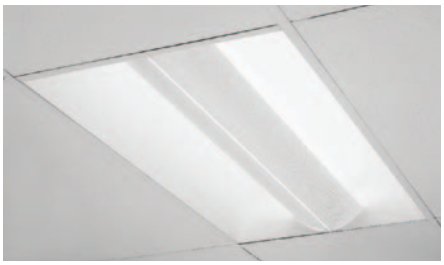
Ballast: Specify voltage (120, 277 or UNV) and type and add as suffix, e.g. UN**VHI.**

Ballast type	<10THD	<20THD
Electronic T8	**HI***	**SO***
1-4 Lamp Electronic T8	**H4***	**O4***
LOL T8 Dimming	–	**PS**
Magnetic T12 Standard Electro-Magnetic LPF Models	–	**PL**
Electronic T12 Standard Electro-Magnetic HPF and SL Models	–	**SS**

* Instant start.

Electrical/wiring options: For special wiring, fusing, electronic dimming ballasts, consult factory. Optional hangers, wire guards & aligners, see page 4.216.

Fusing: Suffix: **A** (Internal fast-blow fusing).
Suffix: **C** (Internal slow-blow fusing).

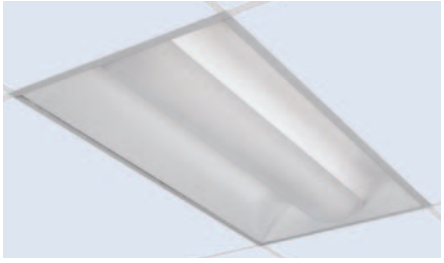


Catalog numbering logic

Alter

Please note that this ordering guide lists all Alter Soft Light numbering logic. The possible combinations and options do not apply to all luminaires. Please refer to the specific luminaire page.

QVS	2	G	PF	OS	3	32	UNV	H3	A
Family	**Lumin. width**	**Ceiling type**	**Lamp shield with luminaire finish**	**Lamp shield details**	**Lamp qty**	**Lamp type**	**Voltage**	**Ballast**	**Options**
QVC = Round Eclipse	**1** = 12"	**G** = Grid	**GL** = Glass Lamp Shield	**AD** = Asymmetric Distribution	**1** = 1 lamp	**14** = 2' T5 14W	**120** = 120V	**BF** = 2 lamps Elec. 55W TT5	Add appropriate suffix to Cat. no.
QVE = Elegance	**2** = 24"	**S** = Surface	**PA** = Solid White Perimeter Lamp Shield w/White Mesh Center	**CB** = Circular lamp shield	**2** = 2 lamp	**17** = 2' T8 17W	**277** = 277V	**BP** = 2 lamps Elec. 50W TT5	
QVB = Slim Square	**5** = 20"	**T** = Slot T-grid Ceiling	**PC** = Solid White Perimeter Lamp Shield w/White Mesh Inner Area and Solid center	**GB** = Clear acrylic w/Blue projected color face	**3** = 3 lamp	**24** = 2' T5HO 24W	**UNV** = 120-277V	**DA** = iGEN DALI	
QMF = Metaform SR			**PF** = Microperforated Mesh Lamp Shield	**GC** = Clear acrylic	**4** = 4 lamp	**32** = 4' T8 32W		**DS** = iGEN BroadCast 4 Sensor w/iGEN Ballast	
QVF = Slim Surface			**PT** = Metallic Reflector w/Microperforated Mesh Lamp Shield	**GG** = Clear acrylic w/Green projected color face		**FT** = TT5		**F4** = Electronic 18W QT 4pin	
QVH = Slim SR			**PG** = Microperforated Mesh Lamp Shield w/Titanium Body	**GR** = Clear acrylic w/Red projected color face		**FL** = Two TT5 in 2' x 4'		**O3** = 3 lamp Electronic T8 Instant start	
QVS = Classic Classic OP Windows SmartVision Louver Metalyte Metalyte Louver			**PW** = Microperforated Mesh Lamp Shield w/White Body	**LG** = Grey solid flat blade louver		**TT** = TTT Triple Tube		**O4** = Electronic 4LPB T8 Instant start	
QVW = Classic Wall Eclipse Wall Windows Wall			**SG** = Solid Titanium Lamp Shield w/Titanium Body	**LV** = White perforated flat blade louver		**28** = 4' T5 28W		**PA** = PowerSpec HDF dimming Electronic 18W TT5	
QVL = Waves			**SW** = Solid White Lamp Shield w/White Body	**LW** = White solid flat blade louver		**54** = 4' T5HO 54W		**PB** = PowerSpec HDF dimming Electronic 40W TT5	
QVA = Air				**OP** = One-Piece lamp shield		**QT** = Quad QT lamp		**PC** = PowerSpec HDF dimming Electronic 50/55W TT5	
QHE = High-Efficiency				**OB** = One-piece lamp shield w/Sensor				**PD** = Electronic Dimming 2x42W TTT 4 pin	
QVD = Alter TileLyte				**OS** = Open Slot (no acrylic)				**PG** = Electronic T5 Program start	
QCE = Concept Elegance				**SQ** = Square Windows basket				**PS** = PowerSpec HDF dimming Electronic T8	
QCH = Concept SR				**SS** = Lateral Wave side shields				**SB** = 2 lamps Electronic 40W TT5	
QCJ = Concept				**SR** = Lateral Curved side shields				**SO** = 2 lamp Electronic T8 Instant start	
								TC = Electronic 2x32W TTT 4 pin	
								TD = Electronic 2x42W TTT 4 pin	
								X3 = 3 lamps 40W Electronic TT5	
								HI = Electronic T8 <10THD	
								H3 = 1-3 lamp Electronic T8 <10THD	
								H4 = 1-4 lamp Electronic T8 <10THD	



Catalog numbering logic

Coffaire (recessed)

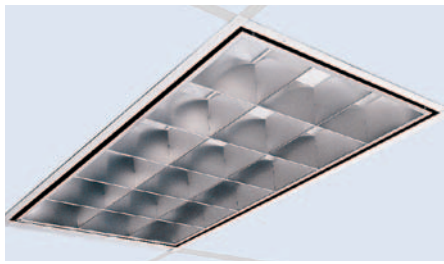
Please note that this ordering guide lists all coffaire luminaire numbering logic. The possible combinations and options do not apply to all luminaires. Please refer to the specific luminaire page.

CF	S	2	G	PF	2	32	UNV	HI	A
Family	**Body style**	**Lumin. width**	**Ceiling type**	**Shielding**	**Lamp qty**	**Lamp type**	**Voltage**	**Ballast**	**Options**
CF = Coffaire	**A** = Air supply and return	**1** = 12"	**G** = Both Standard Grid and Slot Grid	**PF** = Perforated Mesh Shield	**1** = 1 lamp	**14** = 2' T5 14W	**120** = 120V	**HI** = Electronic T8 Instant start	Add appropriate suffix to Cat. no.
	S = Static	**2** = 24"	**N** = 9/16" Narrow T-Grid	**HP** = High performance	**2** = 2 lamp	**17** = 2' T8 17W	**277** = 277V	**H3** = 1-3 lamp Elec. T8 Instant start	
	H = Air return			**SQ** = Acrylic Lens and Perforated Steel Center Panel	**3** = 3 lamp	**24** = 2' T5HO 24W	**UNV** = 120-277V	**PG** = Electronic T5 Program start	
						FT = TT5		**PR** = Electronic TT5 (40W) Program start	
						28 = 4' T5 28W		**BP** = 2 lamps Elec. 50W TT5	
						32 = 4' T8 32W		**P2** = Electronic T8 Program start	
						54 = 4' T5HO 54W		**P3** = 1-3 lamp Elec. T8 Program start	
								I3 = 1-3 lamp Elec. TT5 (40W) Instant start	

Catalog numbering logic

Parabolic (recessed and surface)

Please note that this ordering guide lists all parabolic luminaire numbering logic. The possible combinations and options do not apply to all luminaires. Please refer to the specific luminaire page.

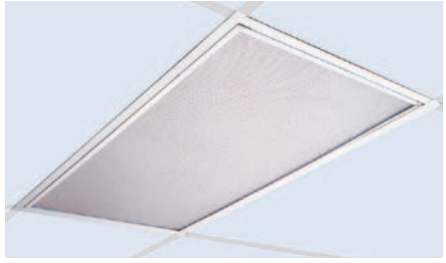


DP	A	2	G	18	L	S	3	32	UNV	H3	A
Family	**Body style**	**Lumin. width**	**Ceiling type**	**Number of cells**	**Louver finish**	**Mounting method**	**Lamp qty**	**Lamp type**	**Voltage**	**Ballast**	**Options**
DP = Deepcel Plus **VR** = Vision Smart Recommended **ST** = Stacklyte **LI** = Lytecel Individual **LC** = Lytecel Continuous	**A** = Air supply and return **S** = Static **B** = Surface box	**1** = 12" **2** = 24" **6** = 6"	**G** = Grid (lay-in T bar) **T** = Slot grid or two-directional concealed T (see options) **F** = Flange for drywall, plaster or concealed splice **S** = Surface	**8** = 1x8 (1' x 4') **9** = 3x3 (2' x 2') **12** = 2x6 (2' x 4') 3x4 (2' x 2') 1x12(1x4') **16** = 4x4 (2' x 2') 2x8 (2' x 4') **18** = 3x6 (2' x 4') **20** = 1x20(6' x 48') **24** = 2x12(1' x 4') 3x8 (2' x 4') **27** = 3x9 (2' x 4') **29** = 2x9 (2' x 4') **32** = 4x8 (2' x 4')	**L** = Low iridescence Semi-specular **P** = Low iridescence Specular	**for ballast cover louver** **S** = Single **P** = Twin **R** = Specular reflector	**in a lumin. cross section** **1** = 1 lamp **2** = 2 lamp **3** = 3 lamp **4** = 4 lamp	**17** = 2' T8 **20** = 2' T12 **32** = 4' T8 **2U** = T8U1.6 **6U** = T8U6 or T12U6 **FT** = TT5	**120** = 120V **277** = 277V **UNV** = 120-277V	**SO** = Electronic T8 **O3** = 1-3 lamp Electronic T8 **O4** = 1-4 lamp ElectronicT8 **SB** = Electronic 40W TT5 **X3** = 1-3 lamp Electronic 40W TT5 **PS** = LOL PowerSpec T8 Dimming **PB** = LOL PowerSpec 40W TT5 Dimming **HI** = Electronic T8 <10THD **H3** = 1-3 lamp Electronic T8 <10THD **H4** = 1-4 lamp Electronic T8 <10THD	Add appropriate suffix to Cat. no.

Catalog numbering logic

Lens (recessed and surface) except XP troffer

Please note that this ordering guide lists all lens luminaire numbering logic. The possible combinations and options do not apply to all luminaires. Please refer to the specific luminaire page.



SP	S	2	G	FS	VA	4	32	UNV	H4	A
Family	**Body style**	**Lumin. width**	**Ceiling type**	**Lens frame**	**Lens/shield type**	**Lamp qty**	**Lamp type**	**Voltage**	**Ballast**	**Options**
SP = SpecPlus **PR** = Prismalyte Plus **SU** = Operating Room Luminaire **PN** = Prismalyte Box **SL** = SL Surface box	**A** = Air supply **S** = Static **B** = Surface box	**1** = 12" **2** = 24"	**G** = Grid (lay-in T bar) **F** = Flange for drywall, plaster or concealed splice **S** = Surface	**FS** = Flat steel frame **RA** = Regressed aluminum frame **FA** = Flat aluminum frame iridescence **RF** = Regressed aluminum floating door	**VA** = Standard (virgin acrylic - see options and consult factory)	**in a lumin. cross section** **1** = 1 lamp **2** = 2 lamp **3** = 3 lamp **4** = 4 lamp **6** = 6 lamp	**17** = 2' T8 **20** = 2' T12 **32** = 4' T8 **2U** = T8U1.6 **6U** = T8U6 or T12U6 **FT** = TT5	**120** = 120V **277** = 277V **UNV** = 120-277V	**SO** = Electronic T8 **O3** = 1-3 lamp Electronic T8 **O4** = 1-4 lamp ElectronicT8 **SB** = Electronic 40W TT5 **X3** = 1-3 lamp Electronic 40W TT5 **PS** = LOL PowerSpec T8 Dimming **PB** = LOL PowerSpec 40W TT5 Dimming **HI** = Electronic T8 <10THD **H3** = 1-3 lamp Electronic T8 <10THD **H4** = 1-4 lamp Electronic T8 <10THD	Add appropriate suffix to Cat. no.

Surface/wall

Options & accessories

Radio interference filter

RF = Inductive capacitor circuit designed to minimize interference from line radiation or feedback. 120V or 277V, 50 or 60 Hz. One per fixture.

e.g: **WA4A232120SO** RF

Cord and plug convenience

CPA (120V) **CPB** (277V) = Factory wired six foot 3-conductor cord with a heavy-duty twist-lock plug with proper NEMA configuration for specified voltage.

e.g: **WA4A232120SO** CPA

Fluorescent emergency lighting system

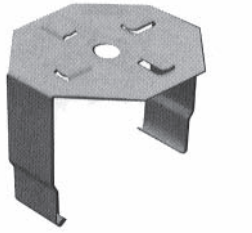
EM = Factory-installed emergency power battery pack with charger and inverter, B100 or equal, 120V or 277V.

e.g: **WA4A232120SO** EM

Chain hanger kit

AH5 CSP (SW/SD/KW/KD fixtures)

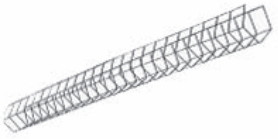
Two 5' heavy duty chains with sturdy "V" hooks that grip fixtures at four knock-out points for level suspension.



Twist tee hanger

NAH3 CSP (SW/KW fixtures)
NAH3D CSP (SD/KD fixtures)

For SW/SD/KW/KD installation of 4⅛" wide (channel) fixture on exposed "T" grid ceilings on hard surfaces. Provides 1½" clearance from surface.



Wire guards

AWG1W CSP (SN strip)
AWG3W CSP (SW/SD strip)

Hinge and latch positive-lock construction, complete with longitudinal and transverse struts for secure protection. Baked White Enamel.

Stem and canopy set

ASC6 CSP (6")
ASC12 CSP (12")
ASC18 CSP (18")
ASC24 CSP (24")

Suspends fixture 6", 12", 18" or 24" from surface and can be used in conjunction with Heavy-Duty Slide Grip Hanger.

Heavy duty slide-grip hanger

NAHD CSP (SD/KD fixtures)
NAHW CSP (SW/KW fixtures)

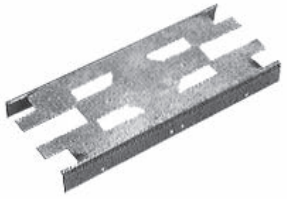
Hinge and latch positive-lock construction, complete with longitudinal and transverse struts for secure protection.

Fusing

A = Internal fast-blow fusing.

C = Internal slow-blow fusing.

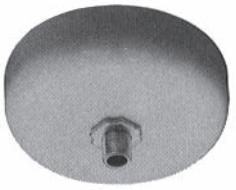
e.g: **WA4A232120SO** A



Row couplers

NHDC-W CSP (SD/SW fixtures)

Required to connect, stabilize stem or chain-mounted fixtures used in continuous rows.



Canopy spacer (1½")

AC1 CSP

Suspends fixture approximately 1½" from surface.

Industrial

Options & accessories

Radio interference filter

RF = Inductive capacitor circuit designed to minimize interference from line radiation or feedback. 120V or 277V, 50 or 60 Hz. One per fixture standard.

e.g: **TU4A232120S0** RF

Cord and plug convenience

CPA (120V) **CPB** (277V) = Factory wired six foot 3-conductor cord with a heavy-duty twist-lock plug with proper NEMA configuration for specified voltage.

e.g: **TU4A232120S0** CPA

Fluorescent emergency lighting system

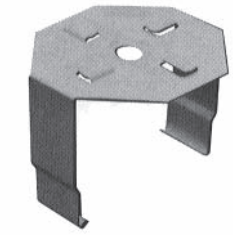
EM = Factory-installed emergency power battery pack with charger and inverter, B100 or equal, 120V or 277V.

e.g: **TU4A232120SO** EM

Chain hanger kit

AH5 CSP (KW/KD fixtures)

Two 5' heavy duty chains with sturdy "V" hooks that grip fixtures at four knock-out points for level suspension.



Twist tee hanger

NAH3 CSP (SW/KW fixtures)
NAH3D CSP (SD/KD fixtures)

For SW/SD/KW/KD installation of 4 ⅛" wide (channel) fixture on exposed "T" grid ceilings on hard surfaces. Provides 1 ½" clearance from surface.

Wire guards

AWG4W CSP (KD/KW fixtures)
LFL - 173 (TU fixtures)

Hinge and latch positive-lock construction, complete with longitudinal and transverse struts for secure protection.

Stem and canopy set

ASC6 CSP (6")
ASC12 CSP (12")
ASC18 CSP (18")
ASC24 CSP (24")

Suspends fixture 6', 12', 18' or 24' from surface and can be used in conjunction with Heavy-Duty Slide Grip Hanger or Ice-Tong Hanger.

Heavy duty slide-grip hanger

NAHD CSP (KD fixtures)
NAHW CSP (KW fixtures)
LFL - 111 (TU fixtures)

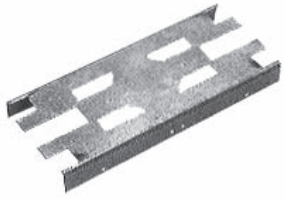
Hinge and latch positive-lock construction, complete with longitudinal and transverse struts for secure protection.

Fusing

A = Internal fast-blow fusing.

C = Internal slow-blow fusing.

e.g: **TF4A232120S0** A



Row couplers

NHDC-W CSP (KD/KW fixtures)

Required to connect, stabilize stem or chain-mounted fixtures used in continuous rows.

Canopy spacer (1 ½")

AC1 CSP

Suspends fixture approximately 1 ½" from surface.

Reflector row aligners

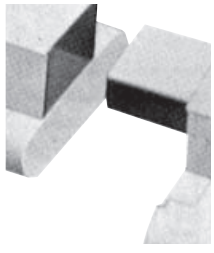
KND CSP

Clear, tough, plastic aligners for KW/KD fixture reflectors.

Reflector row aligners

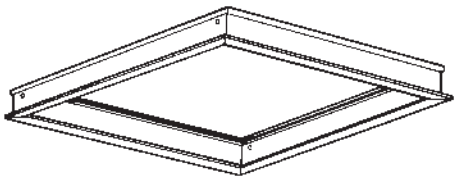
TU - SNA (TU fixtures)

Aluminum joiners clamp reflectors together for straight, permanent alignment. Two aligners are included with all 8' fixtures. For continuous row installations, specify two additional bulk-packed aligners per reflector point.



Housing row couplers

LFL - 3 (TU fixtures)



Drywall kit

For most recessed fixtures

Features

- Designed to permit use of grid (**NEMA G**) fixtures in ceilings requiring flanges.
- May be used with any "**G**" type Philips Lightolier troffer.
- May be used in conjunction with Philips Lightolier plaster frame.
- Extruded aluminum construction with mitered corners.
- Includes screws for complete assembly.
- **Not for continuous row mounting.**

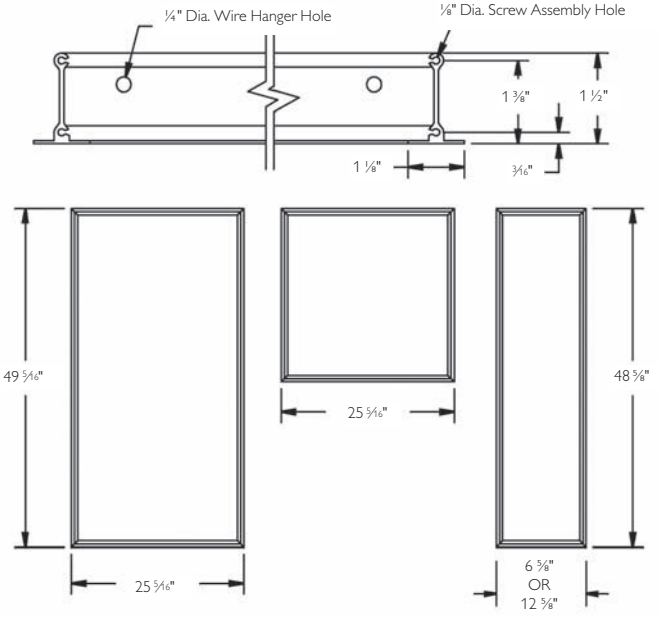
Ordering information

Catalog number	Fixture Size	Ceiling (cut out) Opening A	Ceiling (cut out) Opening B
FK906X4	6" X 48"	6 5/8" (168mm)	48 5/8" (1235mm)
FK91X4	1' x 4'	12 5/8" (321mm)	48 5/8" (1235mm)
FK92X2	2' x 2'	24 5/8" (626mm)	24 5/8" (626mm)
FK92X4	2' x 4'	24 5/8" (626mm)	48 5/8" (1235mm)

"F" Mounting frame assembly

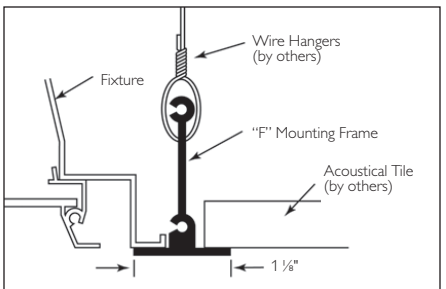
6"x48", 1' x 4', 2' x 2', 2' x 4'

For Mounting in Drywall or Ceilings Requiring Flanges

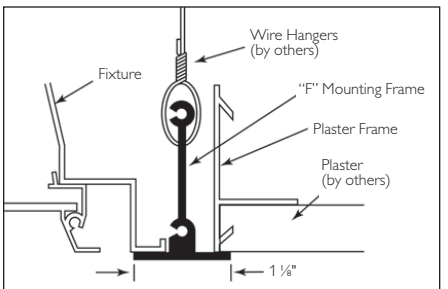


Mounting methods for "F" mounting frame assembly

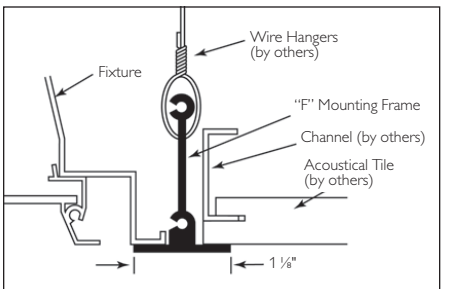
Note: Do not use wire hangers (by others) at end of fixture.



Note: Do not use wirer hangers (by others) at end of fixture.



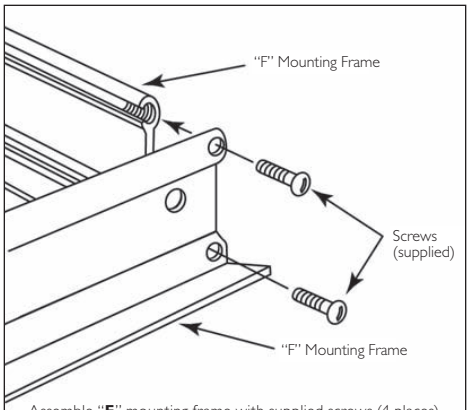
Note: Do not use wirer hangers (by others) at end of fixture.



Note: Do not use wirer hangers (by others) at end of fixture.

"F" Mounting frame assembly installation instructions

1. Assemble "**F**" mounting frame with screws supplied (4 places).

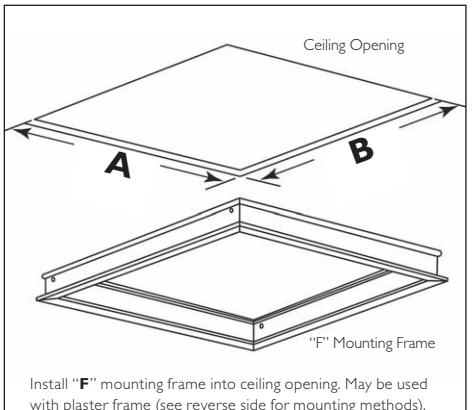


Assemble "**F**" mounting frame with supplied screws (4 places).

Ceiling cut out dimensions

2. Install "**F**" mounting frame into ceiling opening.

May be used with plaster frame. Install fixture into "**F**" mounting frame.



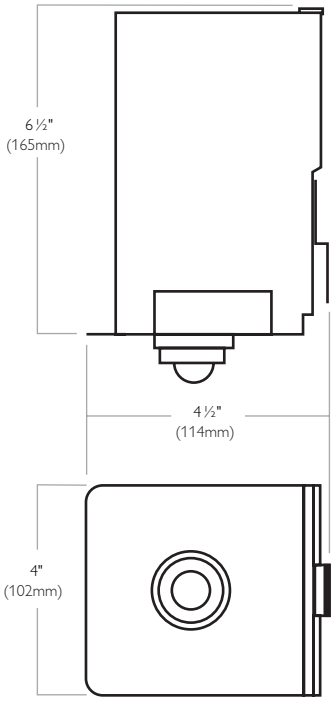
Install "**F**" mounting frame into ceiling opening. May be used with plaster frame (see reverse side for mounting methods).

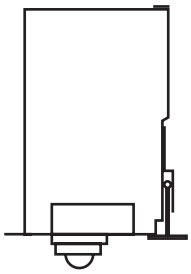
The ULM module

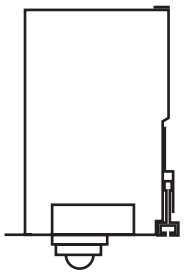
Motion or light sensor enclosure

The Universal Light and Motion (ULM) Module sensor integrates with recessed lighting fixtures. The clean design allows it to blend in nicely with the ceiling system and lighting fixture. The ULM Module is an enclosure that will accommodate most manufacturers motion or daylight sensors in either line or low voltage. It is designed to interface and quick connect to most of our 2x4 and 2x2 recessed lighting fixtures. The ULM Module creates the convenience of being able to build a motion or daylight sensor (produced by others) into any of our recessed fixtures eliminating the potential errors in how the sensors and fixtures are electrically connected. The ULM Module comes packaged complete with the appropriate sensor and can be easily installed and connected to the end of the lighting fixture.

Note: Fixtures and ULM Modules are ordered as separate items.
Sensors used and wiring of fixtures will be based on information provided by specifier.




Exposed T-Grid Ceiling


Exposed Slot T-Grid Ceiling

Features

- Can accommodate most manufacturers light or occupancy sensor switch.
- Line or low voltage.
- Fits standard or slot grid ceiling systems.
- Plug-in connection to mating fixture (ordered separately).
- Secures to ceiling "T" (standard or slot grid).
- Ceiling tile hold-down.
- 18 gauge steel fascia.

Specifications

Materials: 18 gauge cold rolled steel fascia.

Finish: Flat white.

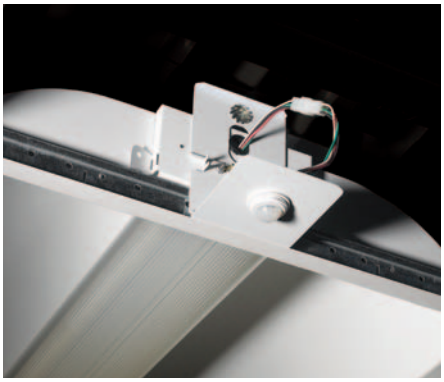
Housing: 24 gauge galvanized steel.

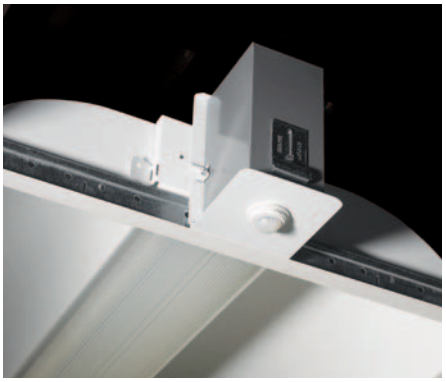
Labels: I.B.E.W.

Example

UL	2	F	
ULM Module Motion or Light Sensor Enclosure	**Fixture width** **2** = 24"	**Finish** **F** = Flat White	

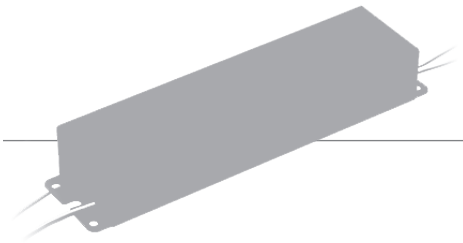
Sensor code		Manufacturer	Manufacturer part number	Manufacturer Power rating
TR1	=	Tridonic	DSI Smart 120V	120V
TR2	=	Tridonic	DSI Smart 277V	120V
WS1	=	Watt Stopper	FS205	24VDC
WS2	=	Watt Stopper	FS305	24VDC
WS3	=	Watt Stopper	FS355	120-277VAC
WS4	=	Watt Stopper	FS405	24VDC
LU1	=	Lutron	C-R-M1-WH	15VDC
LU2	=	Lutron	C-SR-M1-WH	15VDC


The ULM Module clamps to the ceiling "T" bar and then the fixture is dropped in place. The same ULM Module will fit either standard or slot grid ceilings. Plug-in quick connectors are used for electrical connection of module to fixture.


Housing encloses electrical connections — line or low voltage. Tile is notched and dropped in place.

Mates with 2' x 2' & 2' x 4' recessed fixture products

Alter Classic **(QVS)**
Alter High Efficiency **(QHE)**
Alter Louver **(QVS-LV)**
Coffaire **(CF)**
Deepcel **(DP)**
HP90 **(H9)**
Opalescent **(OP)**
Paraplus **(PP)**
Prismalyte **(PR)**
Skyway **(SKS)**
Specplus **(SP)**
Vision Smart 2' x 2' **(VR)**
Vision Smart 2' x 4' **(VR)**



Twin tube T5 ballast code options

22 ½" Long

Ballast code options

Example of voltage and ballast code fields to be populated within fixture specification sheet.

Example [ ] [ ]

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

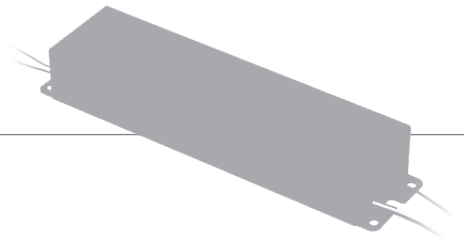
Ballast

Ballast code	Ballast lamp capacity	Type	Ballast factor	THD	Voltage	Wattage	Ballast designation
B3	1 - 3 Lamp	Rapid Start	1.00	<10%	120 or 277	40W	Generic Electronic[1]
BA[3]	1 or 2 Lamp	Rapid Start	1.00	<10%	UNV	18W	Generic Electronic[1]
BB[3]	1 or 2 Lamp	Rapid Start	0.95	<10%	UNV	24W	Generic Electronic[1]
BF[3]	1 or 2 Lamp	Program start	1.00	<10%	UNV	55W	Generic Electronic[1]
BP[3]	1 or 2 Lamp	Program Rapid Start	0.98	<10%	UNV	50W	Generic Electronic[1]
CD[3]	1 or 2 Lamp	Instant start	0.88	<10%	UNV	40W	Advance Electronic Centium
CE	1 - 3 Lamp	Instant start	0.88	<10%	UNV	40W	Advance Electronic Centium
CF	1 Lamp	Program start	1.00	<10%	UNV	40W	Advance Electronic Centium IntelliVolt
CT[3]	1 or 2 Lamp	Program start	1.10	<10%	UNV	50W or 55W	Advance Electronic Centium IntelliVolt
CY	1 - 3 Lamp	Program Rapid Start	0.90	<10%	UNV	50W or 55W	Advance Electronic Centium IntelliVolt
CZ	1 - 4 Lamp	Program Rapid Start	0.90	<10%	UNV	50W or 55W	Advance Electronic Centium IntelliVolt
I3	1 - 3 Lamp	Instant start	0.88	<10%	UNV	40W	Generic Electronic[1]
IB[3]	1 or 2 Lamp	Instant start	0.88	<10%	UNV	40W	Generic Electronic[1]
M7	1 - 2 Lamp	Program start	1.00 / 0.03	<10%	UNV	40W	Advance Electronic Mark VII Dimming
MW[3]	1 or 2 Lamp	Program start	0.90 / 0.03	<10%	120 or 277	55W	Advance Electronic Mark VII Dimming
MX[3]	1 or 2 Lamp	Program start	1.00 / 0.05	<10%	120 or 277	40W	Advance Electronic Mark X Dimming
MZ[3]	1 or 2 Lamp	Program start	0.90 / 0.05	<10%	120 or 277	55W	Advance Electronic Mark X Dimming
P9[3]	1 or 2 Lamp	Program start	1.00	<10%	UNV	55W	Generic Electronic[1] 90°C
PB[3]	1 or 2 Lamp	Program start	0.95	<10%	UNV	40W	Philips Lightolier Electronic Dimming
PC[3]	1 or 2 Lamp	Program start	0.90	<10%	UNV	55W	Philips Lightolier Electronic Dimming
PR[3]	1 or 2 Lamp	Program Rapid Start	1.00	<10%	UNV	40W	Generic Electronic[1]
SB[3]	1 or 2 Lamp	Instant start	1.00	<20%	120 or 277	40W	Generic Electronic[1]
X3	1 - 3 Lamp	Instant start	0.88	<20%	120 or 277	40W	Generic Electronic[1]

[1] Generic electronic ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
[2] Ballast factor based on 4' length lamps.
[3] Ballast code signifies use of a single 1 lamp ballast in a 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.

T8 ballast code options

2', 3' and 4' lengths



Ballast code options

Example of voltage and ballast code fields to be populated within fixture specification sheet.

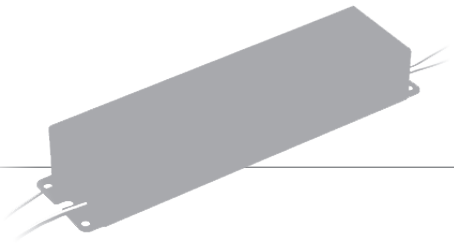
Example

Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast

Ballast code	Ballast lamp capacity	Type	Ballast factor[2]	THD	Voltage	Ballast designation
A3	1 - 3 Lamp	Program Rapid Start	0.71	<10%	UNV	Advance Electronic Optanium Low Watt
A4	1 - 4 Lamp	Program Rapid Start	0.71	<10%	UNV	Advance Electronic Optanium Low Watt
A5[3]	1 or 2 Lamp	Instant start	0.77	<10%	UNV	Advance Electronic Optanium IOPA Low Watt
A6	1 - 3 Lamp	Instant start	0.77	<10%	UNV	Advance Electronic Optanium IOPA Low Watt
A7	1 - 4 Lamp	Instant start	0.77	<10%	UNV	Advance Electronic Optanium IOPA Low Watt
C2[3]	1 or 2 Lamp	Instant start	0.87	<10%	UNV	Advance Electronic Optanium
C3	1 - 3 Lamp	Instant start	0.87	<10%	UNV	Advance Electronic Optanium
C4	1 - 4 Lamp	Instant start	0.87	<10%	UNV	Advance Electronic Optanium
C5[3]	1 or 2 Lamp	Instant start	0.77	<10%	UNV	Advance Electronic Optanium Low Watt
C6	1 - 3 Lamp	Instant start	0.77	<10%	UNV	Advance Electronic Optanium Low Watt
C7	1 - 4 Lamp	Instant start	0.77	<10%	UNV	Advance Electronic Optanium Low Watt
C8	1 - 3 Lamp	Program Rapid Start	0.88	<10%	UNV	Advance Electronic Optanium
C9	1 - 4 Lamp	Program Rapid Start	0.88	<10%	UNV	Advance Electronic Optanium
CA[3]	1 or 2 Lamp	Instant start	0.88	<10%	UNV	Advance Electronic Centium
CG	1 or 2 Lamp	Program Rapid Start	0.88	<10%	UNV	Advance Electronic Optanium
CI	1 - 3 Lamp	Instant start	0.88	<10%	UNV	Advance Electronic Centium
CJ	1 - 4 Lamp	Instant start	0.88	<10%	UNV	Advance Electronic Centium
CK[3]	1 or 2 Lamp	Program Rapid Start	0.71	<10%	UNV	Advance Electronic Optanium Low Watt
CO[3]	1 or 2 Lamp	Instant start	1.18	<10%	UNV	Advance Electronic Optanium High Lite Output
H3	1 - 3 Lamp	Instant start	0.88	<10%	UNV	Generic Electronic[1]
H4	1 - 4 Lamp	Instant start	0.88	<10%	UNV	Generic Electronic[1]
H5	1 - 2 Lamp & 1 - 4 Lamp	Instant start	0.88	<10%	UNV	Generic Electronic[1]
H6	2 - 3 Lamp	Instant start	0.88	<10%	UNV	Generic Electronic[1]
HI[3]	1 or 2 Lamp	Instant start	0.88	<10%	UNV	Generic Electronic[1]
L3	1 - 3 Lamp	Instant start	0.77	<10%	UNV	Generic Electronic[1] Low Watt
L4	1 - 4 Lamp	Instant start	0.77	<10%	UNV	Generic Electronic[1] Low Watt
LW[3]	1 or 2 Lamp	Instant start	0.77	<10%	UNV	Generic Electronic[1] Low Watt
M4	1 - 4 Lamp (No 17W)	Program start	0.88	<10%	UNV	Advance Electronic Mark VII Dimming
M7[3]	1 or 2 Lamp	Program start	1.00	<10%	UNV	Advance Electronic Mark VII Dimming
M8	1 - 3 Lamp	Program start	0.88	<10%	UNV	Advance Electronic Mark VII Dimming
MY	1 - 3 Lamp	Program start	1.02	<10%	120 or 277	Advance Electronic Mark X Dimming
P2[3]	1 or 2 Lamp	Program start	0.88	<10%	UNV	Generic Electronic[1]
P3	1 - 3 Lamp	Program start	0.88	<10%	UNV	Generic Electronic[1]
P4	1 - 4 Lamp	Program start	0.88	<10%	UNV	Generic Electronic[1]
PS[3]	1 or 2 Lamp	Program start	0.98	<10%	UNV	Philips Lightolier Electronic Dimming
PW	1 - 3 Lamp	Program start	0.98	<10%	UNV	Philips Lightolier Electronic Dimming
PX	1 - 4 Lamp	Program start	0.98	<10%	UNV	Philips Lightolier Electronic Dimming
V2[3]	1 or 2 Lamp	Program Rapid Start	0.95	<10%	UNV	Generic Electronic Step Dimming[1]

[1] Generic electronic ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
[2] Ballast factor based on 4' length lamps.
[3] Ballast code signifies use of a single 1 lamp ballast in a 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.



T5 ballast code options

2', 3' and 4' lengths

Ballast code options

Example of voltage and ballast code fields to be populated within fixture specification sheet.

Example

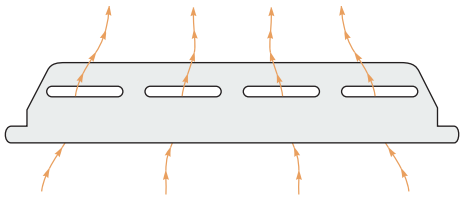
Voltage
120 = 120V
277 = 277V
UNV= 120-277V

Ballast

Ballast code	Ballast lamp capacity	Type	Ballast factor	THD	Voltage	Ballast designation
AY	2 Lamp	Program start	0.95	<10%	UNV	Advance Electronic Optanium Step Dimming (28 Watt Only)
CT[3]	1 or 2 Lamp	Program start	1.00 - 1.03[2]	<10%	UNV	Advance Electronic Centium IntelliVolt
CY	1 - 3 Lamp	Program Rapid Start	1.00	<10%	UNV	Advance Electronic Centium IntelliVolt (54 Watt Only)
CZ	1 - 4 Lamp	Program Rapid Start	0.90	<10%	UNV	Advance Electronic Centium IntelliVolt (54 Watt Only)
MW[3]	1 or 2 Lamp	Program start	1.00 / 0.03	<10%	120 or 277	Advance Electronic Mark VII Dimming (54 Watt Only)
MZ[3]	1 or 2 Lamp	Program start	1.00 / 0.05[2]	<10%	120 or 277	Advance Electronic Mark X Dimming (24 or 54 Watt Only)
P5	1 - 3 Lamp	Program start	1.00	<10%	UNV	Generic Electronic[1] 90°C (54 Watt Only)
P9[3]	1 or 2 Lamp	Program start	1.00	<10%	UNV	Generic Electronic[1] 90°C (54 Watt Only)
PF[3]	1 or 2 Lamp	Program start	1.00 - 1.05[2]	<10%	UNV	Philips Lightolier Electronic Dimming
PG[3]	1 or 2 Lamp	Program start	1.00 - 1.05[2]	<10%	UNV	Generic Electronic[1]
PU	1 - 3 Lamp	Program start	1.00	<10%	UNV	Generic Electronic[1] (54 Watt Only)
PV	1 - 4 Lamp	Program start	1.00	<10%	UNV	Generic Electronic[1] 90°C (54 Watt Only)
VY	2 lamp	Program Rapid Start	0.95	<10%	UNV	Generic Electronic Step Dimming[1] (14 or 28 Watt Only)
VZ	1 or 2 Lamp	Program Rapid Start	1.15	<10%	UNV	Generic Electronic Step Dimming[1] (14 or 28 Watt Only)
WA[3]	1 or 2 Lamp	Instant start	0.93	<10%	120 or 277	Generic Electronic[1] (28 Watt Only)
WW[3]	1 or 2 Lamp	Program start	0.95	<10%	UNV	Generic Electronic[1] (28 Watt Only)
WX[3]	1 or 2 Lamp	Program start	1.15	<10%	UNV	Generic Electronic[1] (28 Watt Only)

[1] Generic electronic ballast (Advance, Sylvania, Universal, UltraSave or GE) chosen by factory based on availability.
[2] Ballast factor based on 4' length lamps.
[3] Ballast code signifies use of a single 1 lamp ballast in a 2 lamp fixture, a single 1 lamp ballast and a 2 lamp ballast in a 3 lamp fixture and two 2 lamp ballasts in a 4 lamp fixture.

Deepcel 2' x 4' size

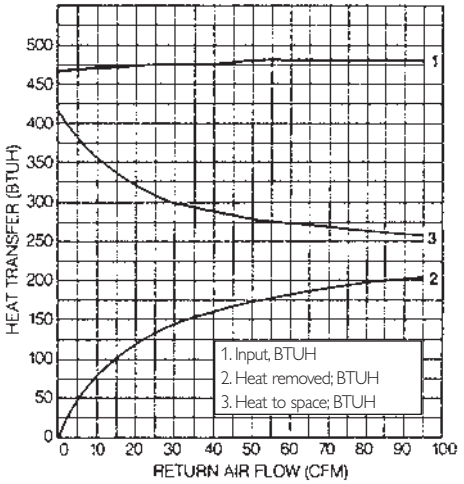


All performance data on the 2' x 4' luminaire is based on a maintained room temperature of 75°F (24°C). Air performance tests were conducted in accordance with Air Diffusion Council (ADC) air diffusing troffer heat removal test code TC-66.

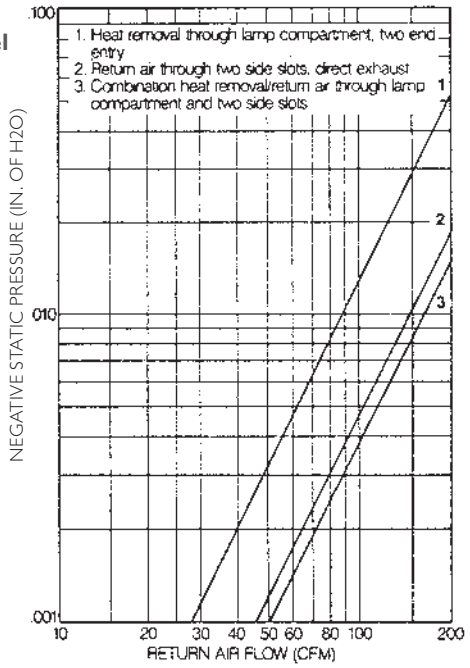
Air handling data

Air return/heat transfer data for Deepcel

Heat transfer, energy distribution, three lamps – four lamps

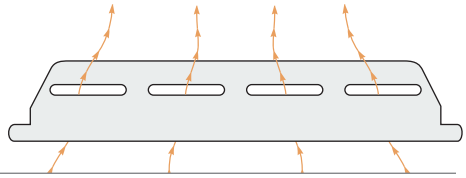


Combination return air/heat removal

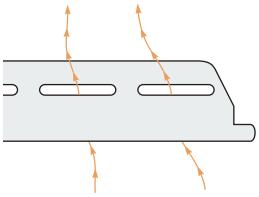


Air handling data

Air return/heat transfer data for Deepcel & Lytecel

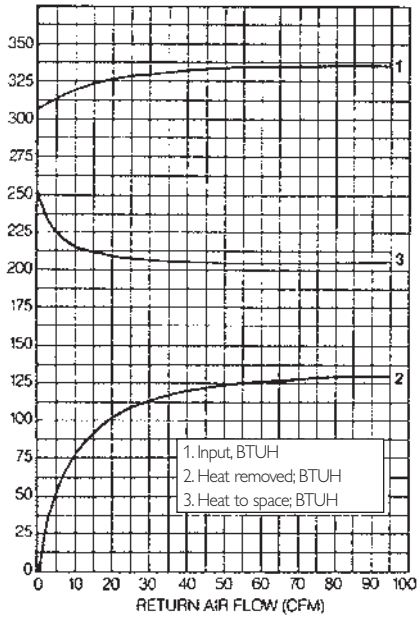


Deepcel 2' x 2' size

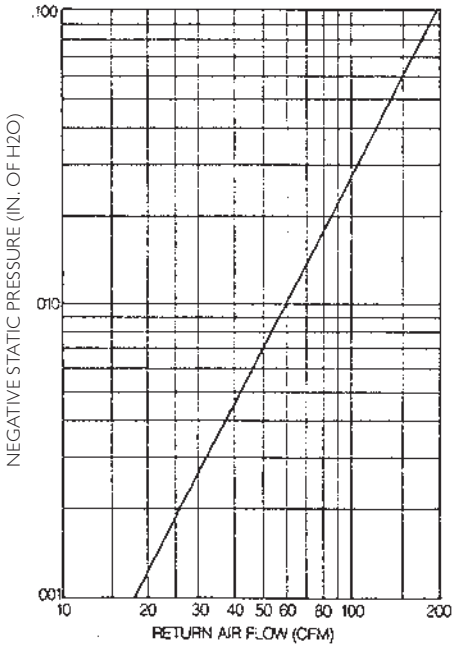


All performance data on the 2' x 2' luminaire is based on a maintained room temperature of 75°F (24°C). Air performance tests were conducted in accordance with Air Diffusion Council (ADC) air diffusing troffer heat removal test code TC-66.

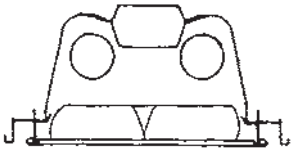
Heat transfer, energy distribution, two lamps



Heat transfer, energy distribution, two lamps



VR 1' x 4' size



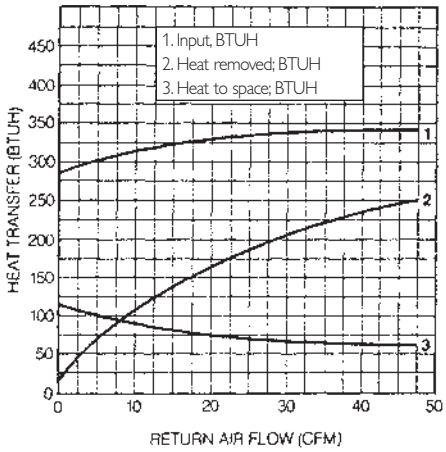
All performance data on the 1' x 4' luminaire is based on a maintained room temperature of 75°F (24°C). Air performance tests were conducted in accordance with Air Diffusion Council (ADC) air diffusing troffer heat removal test code TC-66.

*Lytecel 6" x 48"
Air return Information
Is only the Air return through the side slot.
(No heat transfer data to right)

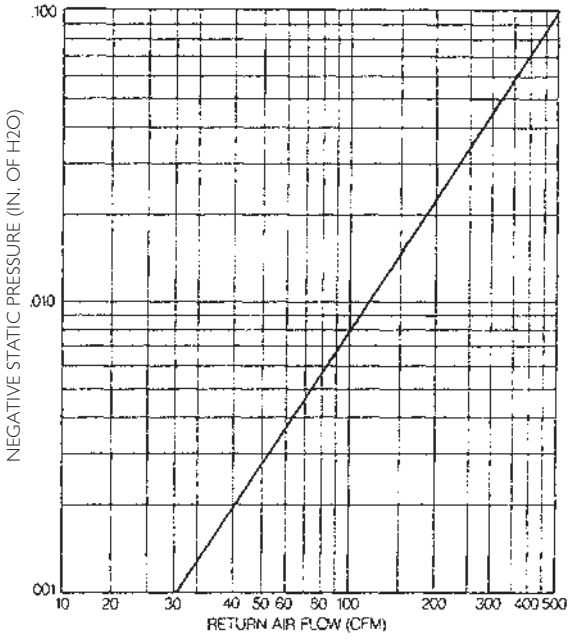
Air handling data

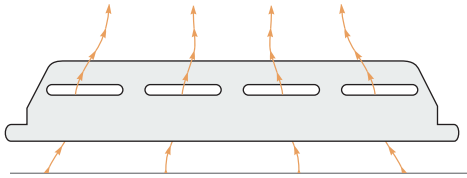
Air return/heat transfer data for VR

Heat transfer, energy distribution, two F40 lamps



Air return through side slots



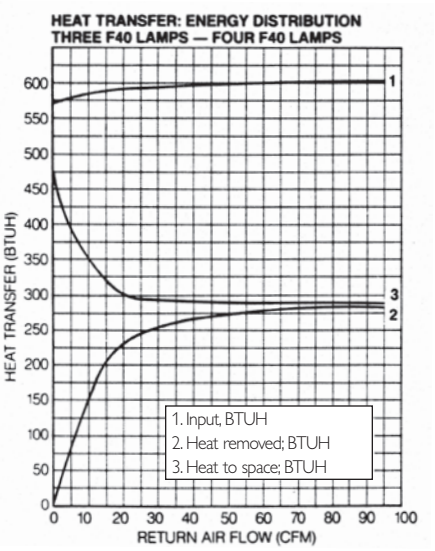


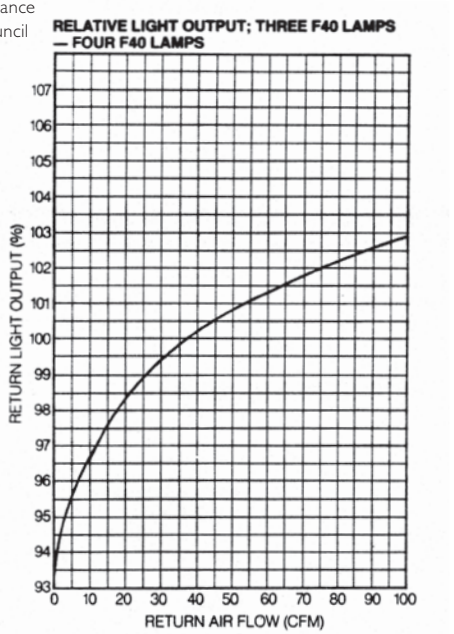
Air handling data

Air return/heat transfer data for Prismalyte Plus

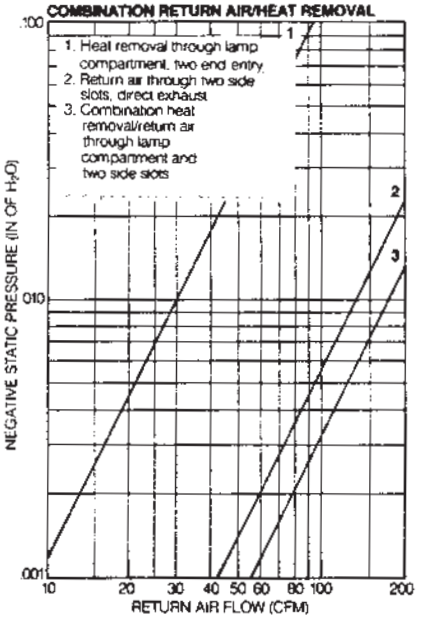
2' x 4' size

All performance data on the 2' x 4' luminaire is based on a maintained room temperature of 75°F (24°C). Air performance tests were conducted in accordance with Air Diffusion Council (ADC) air diffusing troffer heat removal test code TC-66.

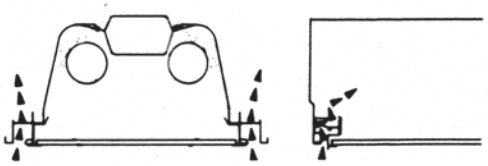




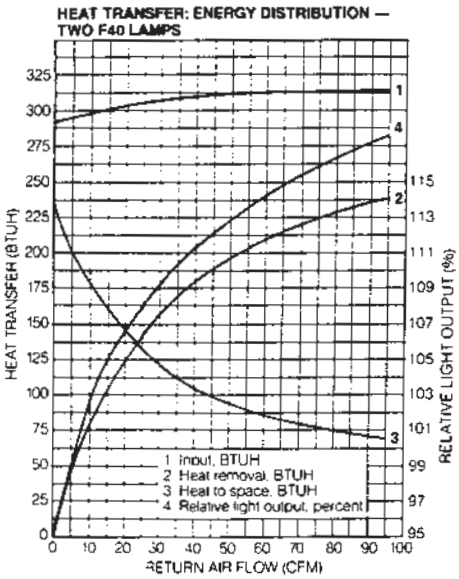
2' x 4' & 2' x 2' size

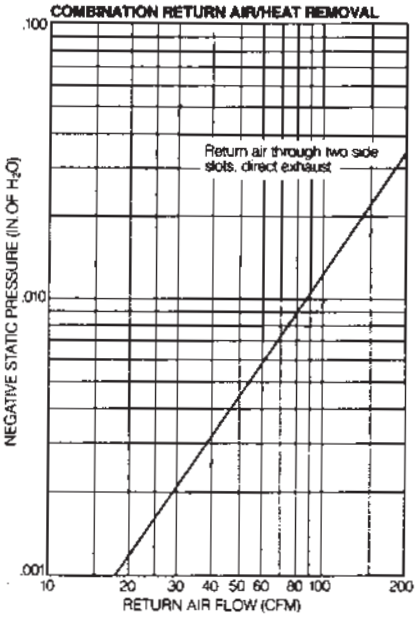


1' x 4' size



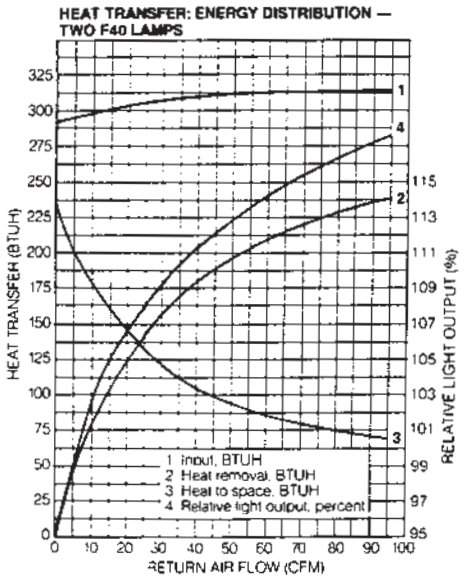
All performance data on the 1' x 4' luminaire is based on a maintained room temperature of 75°F (24°C). Air performance tests were conducted in accordance with Air Diffusion Council (ADC) air diffusing troffer heat removal test code TC-66.





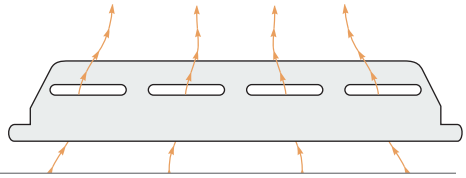
2' x 2' size

All performance data on the 2' x 2' luminaire is based on a maintained room temperature of 75°F (24°C). Air performance tests were conducted in accordance with Air Diffusion Council (ADC) air diffusing troffer heat removal test code TC-66.

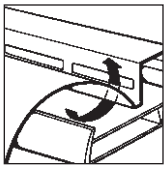


Air handling data

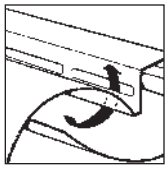
Air return/heat transfer data for Paraplus and Coffaire



2' x 4' size



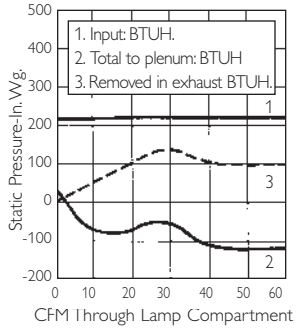
Paraplus



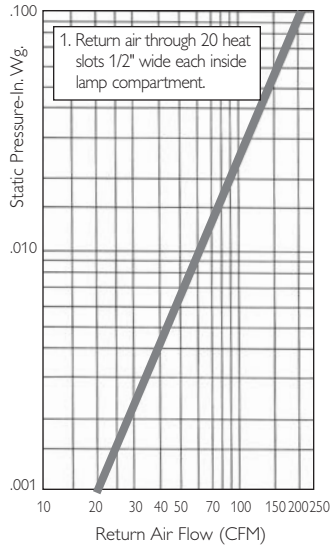
Coffaire

Air performance tests on the 2' x 4' luminaire were conducted with procedure described in I.E.S. Journal, Summer 1987, Vol. 16, No. 2, Pages 21-31 by Building Acoustics Lighting Laboratories, Inc.

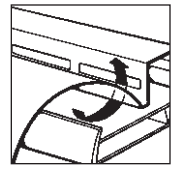
20° Plenum to space two 54W T5HO lamps



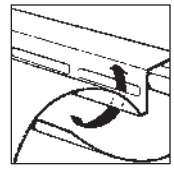
Pressure drop tested in accordance with ADC 1062R2



2' x 2' size



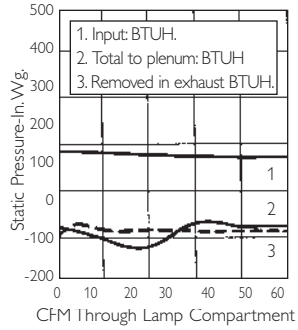
Paraplus



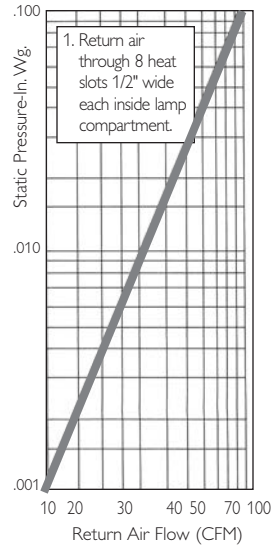
Coffaire

Air performance tests on the 2' x 2' luminaire were conducted with procedure described in I.E.S. Journal, Summer 1987, Vol. 16, No. 2, Pages 21-31 by Building Acoustics Lighting Laboratories, Inc.

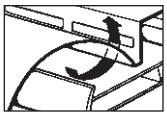
20° Plenum to space two 54W T5HO Lamps



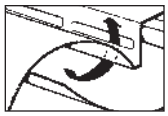
Pressure drop tested in accordance with ADC 1062R2



1' x 4' size



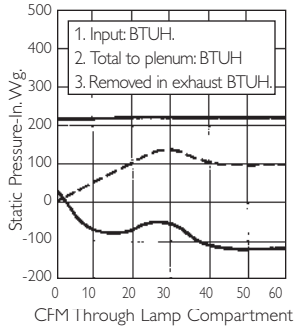
Paraplus



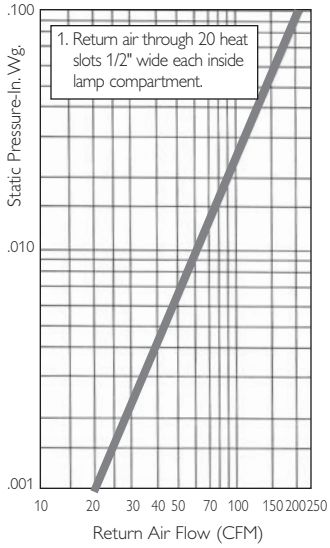
Coffaire

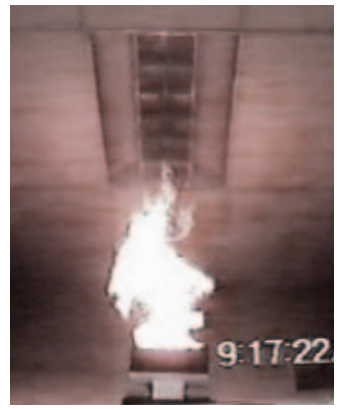
Air performance tests on the 1' x 4' luminaire were conducted with procedure described in I.E.S. Journal, Summer 1987, Vol. 16, No. 2, Pages 21-31 by Building Acoustics Lighting Laboratories, Inc.

20° Plenum to space two 54W T5HO lamps



Pressure drop tested in accordance with ADC 1062R2





Paraplus and Coffaire with air return meets the requirements of UL 1598, Paragraph 9.2.2.5, Large scale fallout tested in accordance with the fire test described in Paragraph 9.2.3.2.2., and is UL (Underwriters Laboratories) listed under File R5892, Vol. 1, Section 4, dated 11/16/2001.

Suspended and wall mounted lighting systems

Section 5

Thoughtfully designed solutions that allow you to choose the most effective balance of light.

Philips Lightolier Lighting Systems offer lighting effects and equipment beyond the ordinary – lighting that makes a difference. Philips Lightolier Lighting Systems consist of highly tooled components that configure into larger luminaire runs, arrays and patterns. The result is a customized lighting solution – without the cost and uncertainty of a truly one-off product. Philips Lightolier offers suspended, recessed and wall-mounted designs.

Philips Lightolier Lighting Systems serve commercial and institutional applications, including workspaces, viewing and selling spaces, as well as circulation and public areas. Here, the lighting integrates most effectively with architecture to create lighting effects consistent with the complete design. Philips Lightolier Lighting Systems encourage an individualized lighting solution that responds optically and architecturally to the needs and goals of its users.

Contents

Professional > 5.6
Specification > 5.44
Standard > 5.90

Linear lighting systems

Linear lighting systems continually works on new ways to bring meaningful solutions to complex applications. We have a long-standing commitment to leading the way in the function and design of our systems. Offering a single family of fixtures that can be wall mounted, suspended or recessed is a tool the designer can use as a common design thread throughout a space. Many of the products in the next few pages have the option of onboard sensors to control the amount of light being delivered, reflectors that direct light to specific locations and simple mounting solutions. There is also a wide range of lamping and shielding options to choose from.

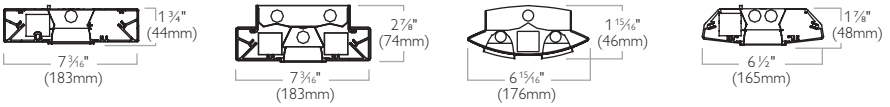
Agili-T

1, 2, 3 T5

Pendant and Wall mounting with extrusion housing

Shielding
Parabolic louver
Flat blade louver
Lens

Options
Corners
Separated lamps



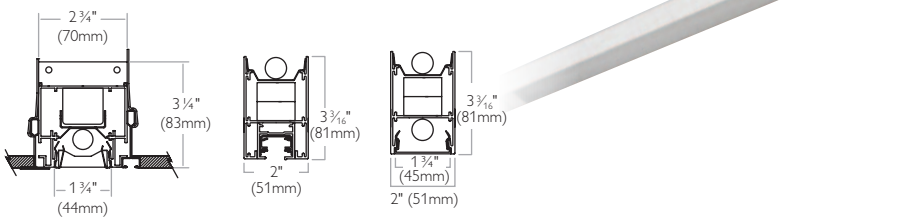
MicroSquare

1 & 2 T5

Pendant, wall, surface, recessed & grid mounting with extrusion housing

Shielding
Parabolic louver
Frosted lens

Options
Separated lamps
Track



Linear lighting systems

If your project needs an architectural lighting solution that leads the field in design and performance you should be looking to Linear Lighting Systems. The offering ranges from petite shapes that nearly disappear in a space to larger ones that become a focal point of light. Forms include rounds, squares, rectangles, ovals and crescents with both soft edges and hard lines. Highly engineered features ensure a smooth installation with tight fitting connections for long life. Whether we create a focal element or solve a specific problem we have the expertise, resources and building blocks to create a signature space.

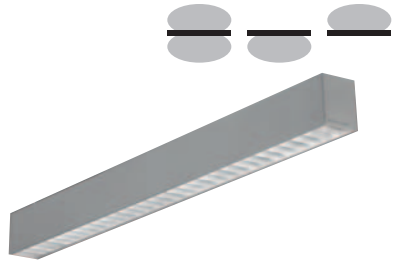
H Profile

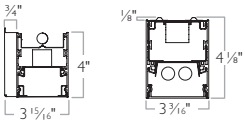
1, 2 & 3 T5

Pendant, recessed & grid mounting with extrusion housing

Shielding
Parabolic louver
Frosted lens

Options
Asymmetric recessed





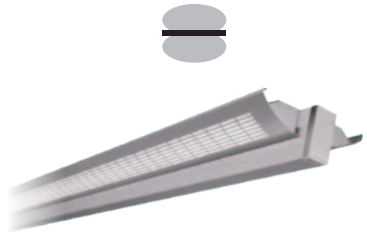
Silhouette

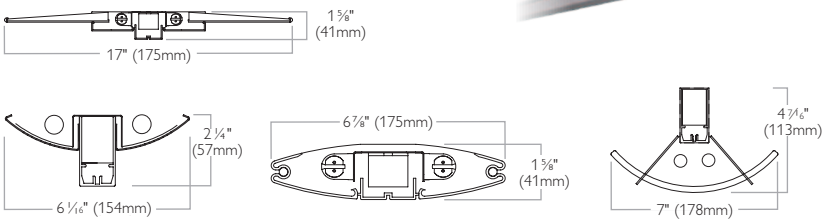
2 T5

Mounting with extrusion housing

Shielding
Slot perforations
Lens

Options
Corners





Linear lighting systems

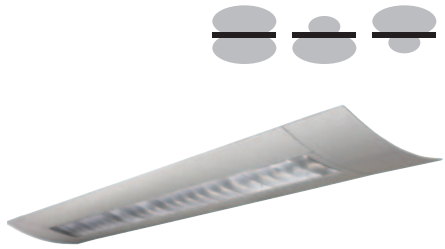
Energos

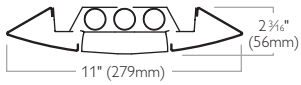
1, 2 & 3 T8 or T5

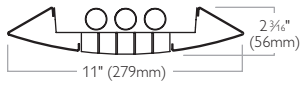
Pendant mounting with steel housing

Shielding
Parabolic louver
Lens

Options
Lamp separators
Top reflector







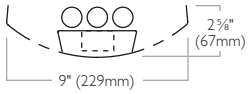
LyteSpread Curve

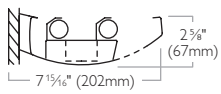
1, 2, 3 T5 or T8

Pendant and Wall mounting with steel housing

Shielding
Round perf
Slot perf
White louver
Semi-specular louver

Options
Lamp separators
Downlight kits





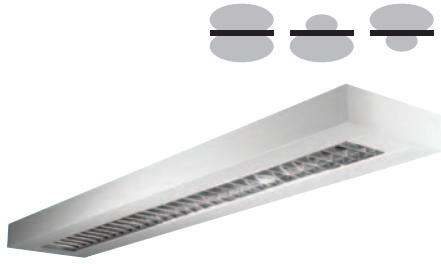
LyteSpread 9 Inch

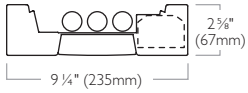
1, 2, 3 T5 or T8

Pendant and Wall mounting with extrusion housing

Shielding
White louver
Semi-specular louver
Specular louver
Semi-specular VDT louver
Specular VDT Louver

Frosted lens options
Lamp separators
Downlight kits
Wall mounting





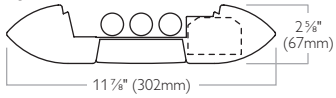
LyteSpread Elliptical

1, 2, 3 T5 or 2, 3 T8

Pendant mounting with extrusion housing

Shielding
White louver
Semi-specular louver
Specular louver
Semi-specular VDT louver
Specular VDT Louver

Options
Lamp separators
Downlight kits



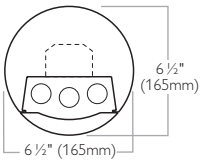
Linear lighting systems

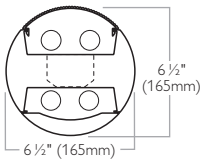
Lytetube RT6

1, 2, 3 and 4 T8

Pendant and Wall mounting with extrusion housing

Shielding
Straight blade louver
Open
Lens



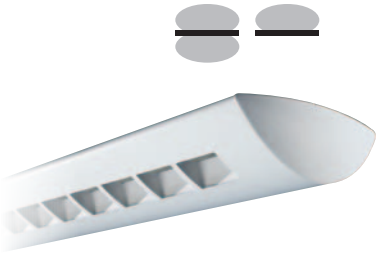


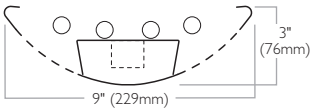
BaseLyte

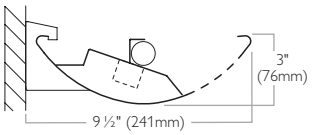
1, 2, 3 and 4 T5 or T8

Pendant and Wall mounting with steel housing

Shielding
Baffle
Round perf
Slot perf
Solid





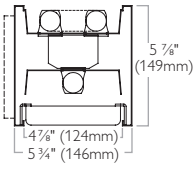


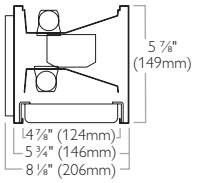
Lytequad SQ6

1, 2 and 3 T8

Pendant, wall, surface and recessed with steel housing

Shielding
Lens
Straight blade louver





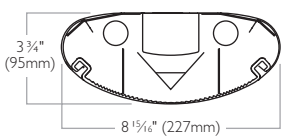
Eye-Q

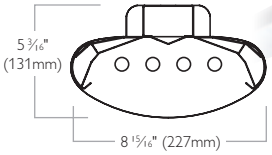
2, 3 or 4 T5 or T8

Pendant and surface mounting with steel housing

Shielding
Straight blade louver
Lens

Options
Corners





Professional grade suspended and wall mounted

Contents

Agili-T > 5.8
MicroSquare > 5.20
H-Profile > 5.28
Silhouette > 5.40

Agili-T

Architectural pendant lighting

With Agili-T, Philips Lightolier has developed the ultimate architectural pendant lighting system. Its wide range of styles, state-of- the-art lightweight construction and all-in- one mechanical, electrical and network connections meet your most demanding energy-efficiency targets, human resource needs and sustainability objectives.

Agili-T, the only family of pendant luminaires designed from the ground up as an intelligent addressable system, provides maximum control options and increased network lighting opportunities.

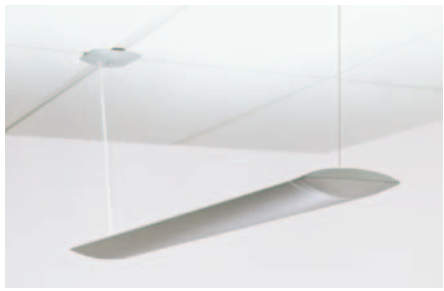
Thanks to their unique engineering, Agili-T luminaires are designed to help you earn more LEED points than most other building lighting technologies.

Adaptability, flexibility and mobility are the main features of the Agili-T System of luminaires. Designed for today's needs and the future needs of a changing organization.

Agili-T AGS

2 lamp indirect

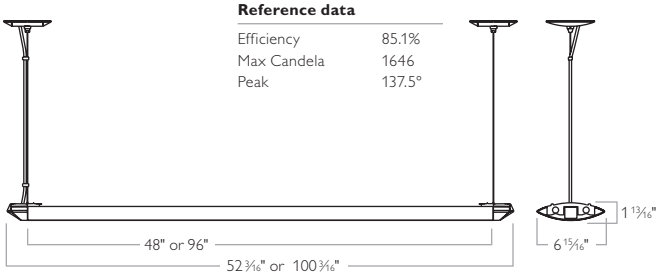
Sleek, luminaire blends in well with most environments. Low-maintenance white or titanium textured paint finish. Exclusive extra-wide 2-lamp indirect distribution for uniform ceiling luminance with wide spacing. Agili-T Network version of the AGS available with continuous wiring for individually controlled luminaires in a network configuration.



Features

- 2 x linear T5, 28 or 54 watts
- Ultra-light construction (4' luminaire less than 12 lb.) favors mobility, adds installation and remodeling convenience
- Wide indirect distribution for uniform ceiling luminance
- 6 15/16" wide by 1 13/16" high
- Special joining device integrates mechanical, electrical (2 circuits) and communications (Agili-T Network version) connections
- Continuous wiring capability built into every Agili-T luminaire
- Choice of white or titanium textured finish
- Certified to UL, cUL, and CSA standards

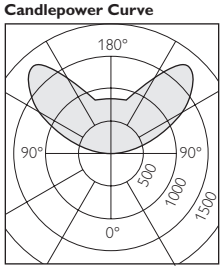
AGS



Reference data

Efficiency	85.1%
Max Candela	1646
Peak	137.5°

Candlepower Curve



2 x 28W T5 at 2610 lumens.

Note: Pendants measure exactly 48" or 96" (plus End caps) to facilitate installation.

Ordering information

	Lum length	Lum width	Lum height	Lamps in a cross section	Lamp qty/type	Lamp watts	Catalog number**
Agili-T AGS with Textured Titanium Finish*	48"	6 15/16"	1 13/16"	2	2-T5	28W	**AGS4PGRDS228**
	48"				2-T5HO	54W	**AGS4PGRDS254**
	96"				4-T5	28W	**AGS8PGRDS228**
	96"				4-T5HO	54W	**AGS8PGRDS254**
Agili-T Network AGS with Textured Titanium Finish*	48"	6 15/16"	1 13/16"	2	2-T5	28W	**AGS4PGRDN228**
	48"				2-T5HO	54W	**AGS4PGRDN254**
	96"				4-T5	28W	**AGS8PGRDN228**
	96"				4-T5HO	54W	**AGS8PGRDN254**

* For textured white replace **GR** with **WH**.
** Two-circuit ready version for added flexibility. To complete Catalog No, add voltage and ballast suffix.

EXAMPLE **AGS4PGRDS228** | **UNV** | **PG** | [ ]

AGS
Indirect

Voltage
120, 277, 347 or UNV (120-277)

Ballast*
PG = Program Start
DA = Dali Addressable Ballast (120, 277V only)
DW= Integral Motion Sensor C/W DA Ballast (120 or 277 Only)
DP= Motion and daylight sensing capabilities with DALI ballast (120 or 277 only)

Options

* AGS comes standard with one 2-lamp ballast per 4' of luminaire.

Accessories for AGS

Suspension kit

AG — **Family**
AG = Agili-T

AC — **Type**
AC = Aircraft cable, canopy and joiner mechanism

24 — **Length**
24 = Adjustable 6" - 24"
36 = Adjustable 6" - 36"

X — **End cap**
X = N/A

G — **Canopy**
G = Titanium
W = White

AGTB — **Mounting elements**
AGTB = One-piece T-bar wraparound clip for standard T or narrow T
AGSB = One-piece T-bar wraparound clip for slot T (ask your Philips Lightolier representative for availability)

* The mounting element is not part of the suspension kit. It is ordered separately.

90° End-cap adapter

AG — **Family**
AG = Agili-T

EC — **Color**
CG = Titanium
CW= White

L — **Shape**
L = L-shape
T = T-shape
X = X-shape

DS — **Wiring**
DS = Double-circuit
DN = Double-circuit Network-Ready

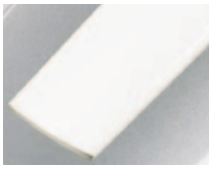
Agili-T AGL, AGO

2 Lamp direct/indirect

Classic styling matches most decors, ensures luminaire longevity. Low-maintenance white or titanium textured finish. Single optic system provides balanced direct and indirect light. Unique contoured louver design with integral light stop features high-efficiency, low-brightness direct illumination. Powerful 54-watt lamps are ideal for indirect applications requiring high illuminance. Agili-T Network version of the AGL available with continuous wiring for individually controlled luminaires in a network configuration.

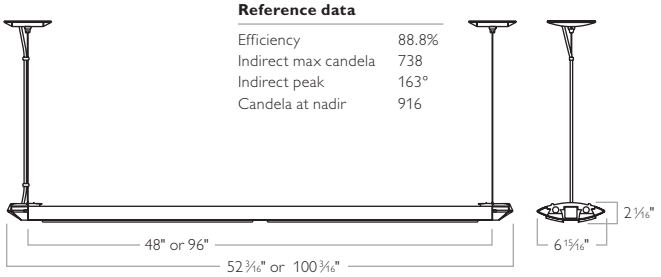
Features

- 2 x linear T5, 28 or 54 watts
- Ultra-light construction (4' luminaire less than 12 lb.) favors mobility, adds installation and remodeling convenience
- Wide indirect distribution for uniform ceiling luminance
- Unique contoured louver design with integral light stop ensures glare control
- 6 15/16" wide by 2 1/32" high
- Trouble-free luminaire-to-luminaire connectability and luminaire-to-end-cap installation
- Special joining device integrates mechanical, electrical (2 circuits) and communications (Agili-T Network version) connections
- Continuous wiring capability built into every Agili-T luminaire
- Highly resistant, non-smudging finish for easy, hassle-free handling
- Choice of white or titanium textured finish



AGO flush to body. Replace **AGL** by **AGO** in the catalogue no.

AGL

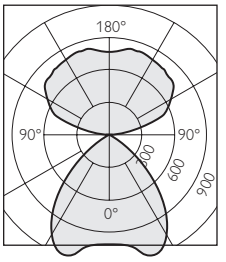


Reference data

Efficiency	88.8%
Indirect max candela	738
Indirect peak	163°
Candela at nadir	916

Note: Pendants measure exactly 48" or 96" (plus End caps) to facilitate installation.

Candlepower Curve



2 x 28W T5 at 2610 lumens.

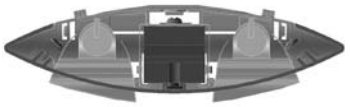
Ordering information

	Lum length	Lum width	Lum height	Lamps in a cross section	Lamp qty/type	Lamp watts	Catalog number**
Agili-T AGL with Textured Titanium Finish*	48"	6 15/16"	2 1/16"	2	2-T5	28W	**AGL4PGRDS228**
	48"				2-T5HO	54W	**AGL4PGRDS254**
	96"				4-T5	28W	**AGL8PGRDS228**
	96"				4-T5HO	54W	**AGL8PGRDS254**
Agili-T Network AGL with Textured Titanium Finish*	48"	6 15/16"	2 1/16"	2	2-T5	28W	**AGL4PGRDN228**
	48"				2-T5HO	54W	**AGL4PGRDN254**
	96"				4-T5	28W	**AGL8PGRDN228**
	96"				4-T5HO	54W	**AGL8PGRDN254**

* For textured white replace **GR** with **WH**.
** Two-circuit ready version for added flexibility. To complete Catalog No, add voltage and ballast suffix.
Note: Replace **AGL** with **AGO** for other shielding options.

EXAMPLE **AGL4PGRDS228** | **UNV** | **PG** | _____

AGL Direct/Indirect



Voltage 120, 277, 347 or UNV (120-277)

Ballast*
PG = Program Start
DA = Dali Addressable Ballast (120, 277V only)
DW= Integral Motion Sensor C/W DA Ballast (120 or 277 Only)
DP= Motion and daylight sensing capabilities with DALI ballast (120 or 277 only)

Options

* AGL comes standard with one 1-lamp ballast per 4' of luminaire.

Accessories for AGL, AGO, & AGM

Suspension kit

AG	AC	24	X	G	AGTB
Family	**Type**	**Length**	**End cap**	**Canopy**	**Mounting elements**
AG = Agili-T	**AC** = Aircraft cable, canopy and joiner mechanism	**24** = Adjustable 6" - 24" **36** = Adjustable 6" - 36"	**X** = N/A	**G** = Titanium **W** = White	**AGTB** = One-piece T-bar wraparound clip for standard T or narrow T **AGSB** = One-piece T-bar wraparound clip for slot T (ask your Philips Lightolier representative for availability)

90° End-cap Adapter

AG	EC	L	DS
Family	**Color**	**Shape**	**Wiring**
AG = Agili-T	**CG** = Titanium **CW**= White	**L** = L-shape **T** = T-shape **X** = X-shape	**DS** = Double-circuit **DN** = Double-circuit Network-Ready

* The mounting element is not part of the suspension kit. It is ordered separately.

Power feed suspension kit

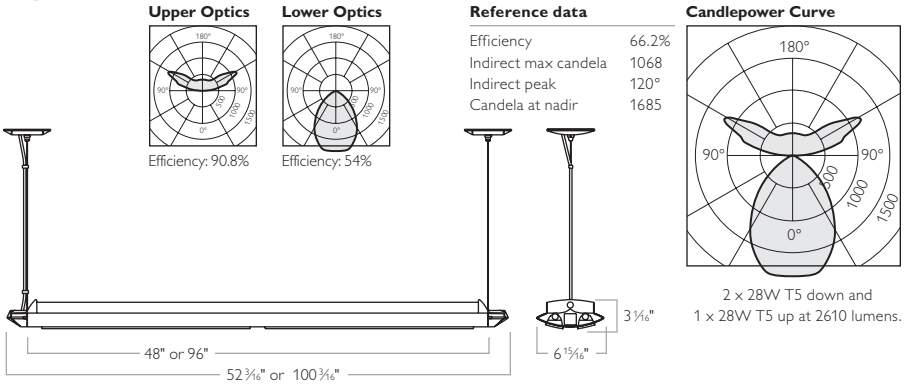
AG	EC	24	G	G	347	DS
Family	**Type**	**Length**	**End cap color**	**Canopy color**	**Voltage**	**Wiring**
AG = Agili-T	**EC** = End-caps (2), aircraft cable, canopy, joiner mechanism	**24** = Adjustable 6" - 24" **36** = Adjustable 6" - 36"	**G** = Titanium **W** = White	**G** = Titanium **W** = White	**347** = 347V Cable **UNV**= 120/277V Cable	**DS** = Double-circuit **DN** = Double-circuit Network-Ready

Agili-T AGM

3 Lamp separate direct/indirect optics - 1 lamp up 2 lamps down

Clean lines provide long-lasting appeal suited to most design concepts. Low-maintenance white or titanium textured finish. Two distinct optic systems supply option to control direct and indirect portions independently. For example, the two-circuit configuration enables stable, uniform ceiling luminance while modifying downlight levels on horizontal surfaces. Unique contoured louver design with integral light stop features high-efficiency, low-brightness direct illumination. Powerful 54-watt lamp is ideal for high-lumen indirect applications requiring ultra-wide distribution. Agili-T Network version of the AGM available with continuous wiring for individually controlled luminaires in a network configuration.

AGM



Reference data	
Efficiency	66.2%
Indirect max candela	1068
Indirect peak	120°
Candela at nadir	1685

2 x 28W T5 down and
1 x 28W T5 up at 2610 lumens.

Note: Pendants measure exactly 48" or 96" (plus End caps) to facilitate installation

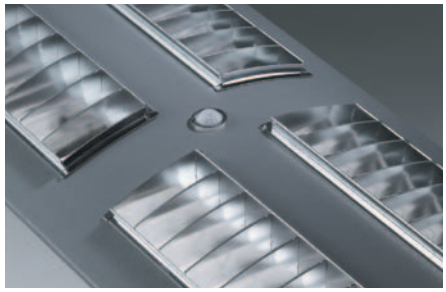
Features

- Separate direct and indirect optics for maximum control options
- Down: 2 x linear T5. Up: 1 x linear T5. Choice of 28 or 54 watts
- Ultra-light construction (4' luminaire less than 12 lb.) favors mobility, adds installation and remodeling convenience
- Very wide indirect distribution for uniform ceiling luminance
- Unique contoured louver design with integral light stop ensures glare control
- 6 15/16" wide by 3 1/16" high
- Trouble-free luminaire-to-luminaire connectability and luminaire-to-end-cap installation
- Special joining device integrates mechanical, electrical (2 circuits) and communications (Agili-T Network version) connections
- Continuous wiring capability built into every Agili-T luminaire
- Highly resistant, non-smudging finish for easy, hassle-free handling
- Choice of white or titanium textured finish
- Certified to UL, cUL, and CSA standards

Ordering information

	Lum length	Lum width	Lum height	Lamps in a cross section	Lamp qty/type	Lamp watts	Catalog number**
Agili-T AGM with Textured Titanium Finish*	48"	6 15/16"	3 1/16"	3	3-T5	28W	**AGM4PGRDS328**
	48"				3-T5HO	54W	**AGM4PGRDS354**
	96"				6-T5	28W	**AGM8PGRDS328**
	96"				6-T5HO	54W	**AGM8PGRDS354**
Agili-T Network AGM with Textured Titanium Finish*	48"	6 15/16"	3 1/16"	3	3-T5	28W	**AGM4PGRDN328**
	48"				3-T5HO	54W	**AGM4PGRDN354**
	96"				6-T5	28W	**AGM8PGRDN328**
	96"				6-T5HO	54W	**AGM8PGRDN354**

* For textured white replace **GR** with **WH**.
** Two-circuit ready version for added flexibility. To complete Catalog No, add voltage and ballast suffix.



Optical integral motion sensor (**DW**)

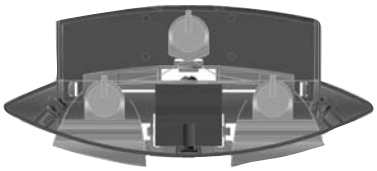
EXAMPLE **AGM4PGRDS328** **UNV** **PG**

AGM
Direct/Indirect

Voltage
120, 277, 347 or UNV (120-277)

Ballast* **Options**

PG = Standard control of uplight and downlight with 2 Program Start
PI = Standard control of uplight Start ballasts and downlight with 2 Instant
DA = Network control of uplight and downlight with 2 DALI ballasts**
DW= Network-2 motion sensor control of downlight with DALI ballast and network control of uplight with second DALI ballast.**
DX = Network-2 motion sensor control of downlight with DALI ballast and standard control of uplight using regular ballast.**
DP= Motion and daylight sensing capabilities with DALI ballast (120 or 277 only)



* AGM comes standard with one 1-lamp ballast (for upper compartment) and one 2-lamp ballast (for lower compartment) per 4' of luminaire.

Agili-T

Wall and furniture mounting accessories

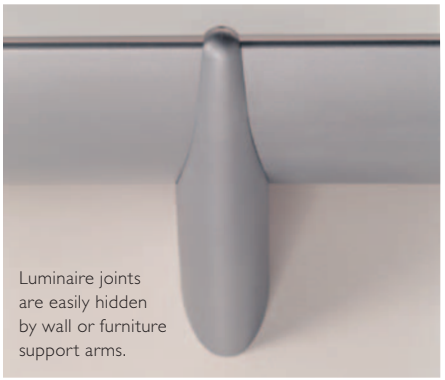
Blending in well with the original Agili-T design, Wall & Furniture Mounting Systems create new lighting opportunities within office cubicles and wall configurations. Unlike many similar competing accessories, no modifications are required to Agili-T luminaires. Indeed, Agili-T Wall & Furniture Mounting Systems were designed around Agili-T luminaires to ensure a clean, integrated look and maximum ease of installation.

Features

- Compatible with all Agili-T Classic luminaires without any modification to the luminaire.
- Ultra-light construction (aluminum extrusions) favoring mobility, adding installation and remodeling convenience.
- Ideal wherever a clean ceiling appearance is desirable.
- Practical and esthetic solution when there is no space in the ceiling for a recessed electrical conduit and electrical box.
- Highly resistant, non-smudging finish for easy, hassle-free handling.
- Consistent appearance: supports, luminaire body and end-caps share identical paint finish.
- Support arms can be located up to 3" before or after luminaire junction for added flexibility in avoiding installation obstacles (except louvered, lensed and microperforated shielding models, which require that the arm be on the joint).
- Power feed supports must be installed at the beginning of a row and at the luminaire/end-cap junction (end-cap cavity holds supplied quick connector).

Agili-T furniture mounting is compatible with most Steelcase furniture systems.

Miniature setscrews ensure luminaire is firmly held in wall or furniture supports.



Luminaire joints are easily hidden by wall or furniture support arms.

Locking segment design facilitates installation: Luminaire is deposited on support (no threading required) before triangular segment clip is fastened using tiny setscrew.

Accessories

Power feed wall & furniture support kits

AG							
Family	**Type**	**Length**	**End cap**	**Support**	**Voltage**	**Wiring**
AG = Agili-T	**FS** = Furniture Support Kit **WS** = Wall Support Kit	**6** = 6" (furniture) **12** = 2" (furniture) **18** = 18" (furniture) **24** = 24" (furniture) **XX** = No height (wall)	**G** = Titanium **W** = White	**G** = Titanium **W** = White	**347** = 347V Cable **UNV** = 120/277V Cable	**DS** = Double-circuit **DN** = Double-circuit Network-Ready (UNV only)

Wall and furniture support kits

AG				
Family	**Type**	**Length**	**End cap**	**Support**
AG = Agili-T	**FS** = Furniture Support Kit **WS** = Wall Support Kit	**6** = 6" (furniture) **12** = 2" (furniture) **18** = 18" (furniture) **24** = 24" (furniture) **XX** = No height (wall)	**X** = No End cap	**G** = Titanium **W** = White

Agili-T

Wall and furniture mounting accessories

Furniture mounting system

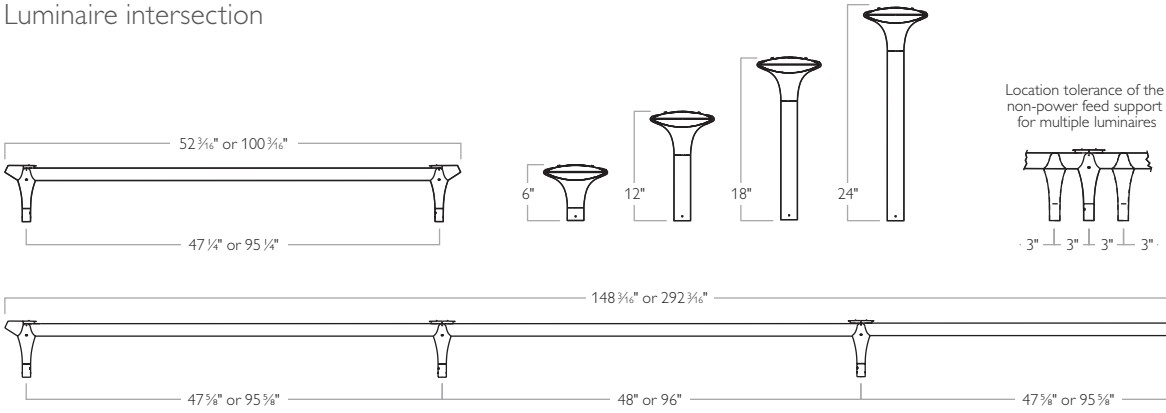
Ordering information

Step 1	Step 2	Step 3	Step 4
Power feed furniture support kit Order one Power Feed Furniture Support kit per row or individual luminaire. Includes: • Choice of lengths: 6", 12", 18" or 24". • White or titanium end-caps (2). One end-cap has special notch to dissimulate wiring. • White or titanium power feed support. Must be installed at row extremity and at joint (e.g. **AGFS18GGUNVDS**).	**Power feed universal adaptor** Order one power feed universal adaptor per power feed furniture support kit. Catalog number: **AGFSPWR**	**Furniture support kit** Order one furniture support kit per individual luminaire. Includes white or titanium support. Choice of lengths: 6", 12", 18" or 24". No end-cap provided. (e.g. **AGFS18XG**).	**Universal adaptor** Order one universal adaptor per furniture support kit. Catalog number: **AGFSMNT**

Features

- Fits most Steelcase furniture systems. Consult your Philips Lightolier or Steelcase representative for compatibility.
- Universal adapter accommodates a wide range of partitions.
- Choice of 4 furniture support lengths suited to the ceiling height, partition height of different environments.
- Hidden power feeds (connections in electrical box inside partition).
- Trouble-free installation method: request Instruction Sheets **SH20848A** and **SH20848B**.

Luminaire intersection



Wall mounting system

Ordering information

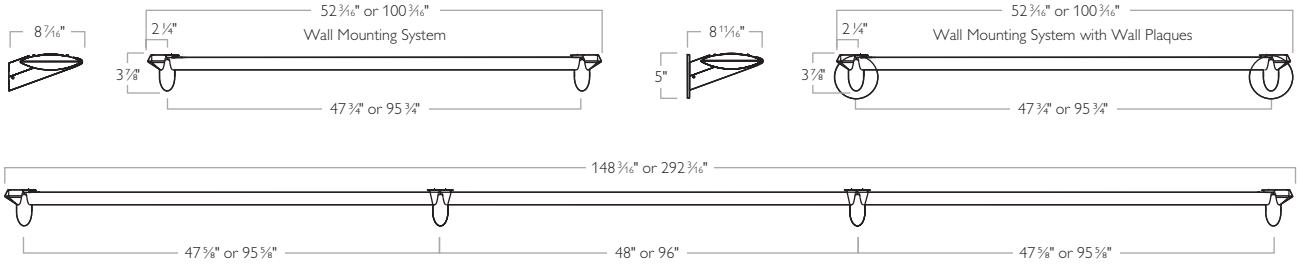
Step 1	Step 2	Step 3
Power feed wall support kit Order one power feed wall support kit per row or individual luminaire. Includes: • White or titanium end-caps (2). One end-cap has special notch to dissimulate wiring. • White or titanium power feed support. Must be installed at row extremity and at joint (e.g. **AGWSXXGGUNVDS**).	**Wall support kit** Order one wall support kit per individual luminaire. Includes white or titanium support. No end-cap provided (e.g. **AGWSXXXG**)	**Wall plaque (if required)** Order one wall plaque per wall support. **AGWEW** (White), **AGWEG** (Titanium). Special matching cover for use when making electrical/network connections in an octagonal box (by others) instead of inside the wall support cavity.

Note: Agili-T Network connections require an electrical box, as there is insufficient space in the wall support cavity for the extra connectors needed for network communications.

Features

- Suited to lobbies corridors and private offices.
- Streamlined look.
- Hidden power feeds with electrical connections inside the wall bracket.
- Trouble-free installation method: request Instruction Sheet **SH20847**.

Luminaire intersection



Agili-T Neo louver

1-lamp or 2-lamp indirect/direct with Parabolic louver

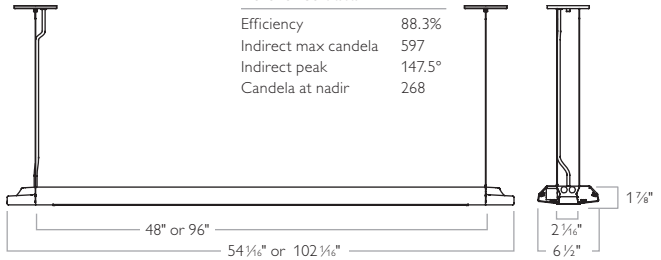
Unique 37 cell central Parabolic louver provides an affordable, elegant design accent featuring high-efficiency, low-glare direct illumination. The luminaire's slender crescent shape adds a modern touch to most interiors. Versions using powerful 54-watt lamps are ideal for high-lumen indirect applications requiring ultra-wide, even distribution and wide luminaire spacing. Super lightweight extruded aluminum housing available in low-maintenance white or titanium textured finish. Choice of two leveling systems featuring improved installation performance, unique styles and affordable design highlights. Agili-T Network version available with continuous wiring for individually controlled luminaires in a network configuration.

Features

- Choice of 1 or 2 linear T-5, 28- or 54-watt versions
- 75% uplight, 25% downlight (1-lamp version)
- Parabolic louver made of matte aluminum
- Ultra-wide even distribution for uniform ceiling luminance
- Up to three sensors can be integrated anywhere along the special SensorLyte sensor channel
- Ultralight construction (4' luminaire less than 12 lbs.) favors mobility, adds installation and remodeling convenience
- Trouble-free luminaire-to-luminaire connectability and luminaire to end-cap installation
- Special joining device integrates mechanical, electrical (2 circuits) and communications (Agili-T Network version) connections
- Choice of white or titanium textured finish
- Highly resistant, non-smudging finish for easy, hassle-free handling
- Seamless body and end-cap paint finish
- Reflector made of highly reflective Miro® aluminum
- Meets IESNA RP-1-04 uniformity recommendations for intensive VDT use
- New LevelLyte adjustment system featuring dual suspension from a single U-cable for fast and easy setting of height and level of luminaire
- New "Y" leveling adjustment system features single suspension point at ceiling
- Stem mounting option for single circuit without network connection (for other circuit options, consult factory)

Integral MultiSense™ infrared occupancy and daylight harvesting sensor.

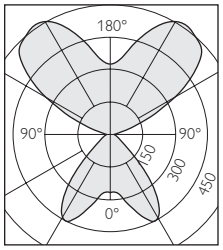
AGC



Reference data

Efficiency	88.3%
Indirect max candela	597
Indirect peak	147.5°
Candela at nadir	268

Candlepower Curve



1 x 28W T-5 at 2610 lumens.

Ordering information

	Lum length	Lum width	Lum height	Lamps in a cross section	Lamp qty/type	Lamp watts	Catalog number*
Agili-T AGC with Textured Titanium Finish*	48"	6 1/2"	1 7/8"	1	1-T5	28W	**AGC4PGRDS128**
	48"			1	1-T5HO	54W	**AGC4PGRDS154**
	48"			2	2-T5	28W	**AGC4PGRDS228**
	48"			2	2-T5HO	54W	**AGC4PGRDS254**
	96"			1	2-T5	28W	**AGC8PGRDS128**
	96"			1	2-T5HO	54W	**AGC8PGRDS154**
	96"			2	4-T5	28W	**AGC8PGRDS228**
	96"			2	4-T5HO	54W	**AGC8PGRDS254**

Consult your Philips Lightolier representative for other color options.
* For textured white replace **GR** with **WH**. For Agili-T Network, replace "**S**" with "**N**". (e.g. AGC4P**WH**D**N**128)

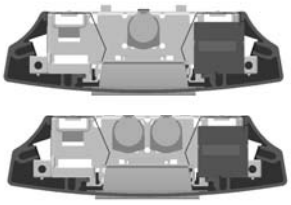
EXAMPLE **AGC4PGRDS228** | **UNV** | **PG** | _____

AGC
1-Lamp or 2-Lamp Direct/Indirect with Parabolic louver

Voltage
120, 277 or UNV (120-277)

Ballast*
PG = Program Start
DA = DALI Addressable Ballast (120, 277V only)
DP = Integral MultiSense™ infrared occupancy and daylight harvesting sensor with DA ballast
NW = EZsensor integral daylight sensor with Advance Mark 7 ballast (120V or 277V only)

Options



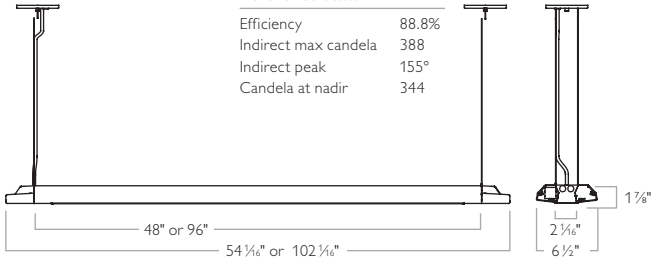
Note: Consult your Philips Lightolier representative for special wiring/ballasting needs.
* Consult your Philips Lightolier representative for **DA** and **NW** ballast compatibility option with stem mounting. **DA** and **DP** available with Agili-T Network only.

Agili-T Neo lens

1-lamp or 2-lamp indirect/direct with microprism lens

With its unique central acrylic microprism diffuser, Neo Lens creates a soft awareness of the light source while still delivering highly efficient, glare-free direct illumination. Exhibiting an elegant, streamlined crescent form, this luminaire complements most modern interiors. Versions using powerful 54-watt lamps are ideal for high-lumen indirect applications requiring ultra-wide, even distribution and wide luminaire spacing. Super lightweight extruded aluminum housing available in low-maintenance white or titanium textured finish. Choice of two leveling systems featuring improved installation performance, unique styles and affordable design accents. Agili-T Network version available with continuous wiring for individually controlled luminaires in a network configuration.

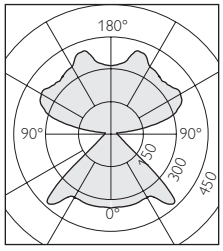
AGH



Reference data

Efficiency	88.8%
Indirect max candela	388
Indirect peak	155°
Candela at nadir	344

Candlepower Curve



1 x 28W T-5 at 2610 lumens.

Ordering information

	Lum length	Lum width	Lum height	Lamps in a cross section	Lamp qty/type	Lamp watts	Catalog number*
Agili-T AGH with Textured Titanium Finish*	48"	6 1/2"	1 7/8"	1	1-T5	28W	**AGH4PGRDS128**
	48"			1	1-T5HO	54W	**AGH4PGRDS154**
	48"			2	2-T5	28W	**AGH4PGRDS228**
	48"			2	2-T5HO	54W	**AGH4PGRDS254**
	96"			1	2-T5	28W	**AGH8PGRDS128**
	96"			1	2-T5HO	54W	**AGH8PGRDS154**
	96"			2	4-T5	28W	**AGH8PGRDS228**
	96"			2	4-T5HO	54W	**AGH8PGRDS254**

Consult your Philips Lightolier representative for other color options.
* For textured white replace **GR** with **WH**. For Agili-T Network, replace "**S**" with "**N**". (e.g. AGH4P**WH**D**N**128)

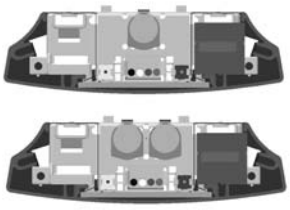
EXAMPLE **AGH4PGRDS228**

AGH
Direct/Indirect

UNV
Voltage
120, 277 or UNV (120-277)

PG
Ballast*
PG = Program Start
DA = DALI Addressable Ballast (120, 277V only)
DP = Integral MultiSense™ infrared occupancy and daylight harvesting sensor with DA ballast
NW = EZsensor integral daylight sensor with Advance Mark 7 ballast (120V or 277V only)

Options



Note: Consult your Philips Lightolier representative for special wiring/ballasting needs.
* Consult your Philips Lightolier representative for **DA** and **NW** ballast compatibility option with stem mounting. **DA** and **DP** available with Agili-T Network only.

Features

- Choice of 1 or 2 linear T-5, 28- or 54-watt versions
- 65% uplight, 35% downlight (1-lamp version)
- Highly translucent acrylic microprism lens with a linear ribbed texture, ensuring visual comfort, reduced glare and a diffuse view of lamp(s)
- Ultra-wide even distribution for uniform ceiling luminance
- Up to three sensors can be integrated anywhere along the special SensorLyte sensor channel
- Ultralight construction (4' luminaire less than 12 lbs.) favors mobility, adds installation and remodeling convenience
- Special joining device integrates mechanical, electrical (2 circuits) and communications (Agili-T Network version) connections
- Continuous wiring capability built into every Agili-T luminaire
- Choice of white or titanium textured finish
- Highly resistant, non-smudging finish for easy, hassle-free handling
- Seamless body and end-cap paint finish
- Reflector made of highly reflective Miro® aluminum
- Meets IESNA RP-1-04 uniformity recommendations for intensive (1-lamp) and intermittent (2-lamp) VDT use
- Stem mounting option for single circuit without network connection (for other circuit options, consult factory)

Agili-T Neo system

Center lamp numbering logic

A complete luminaire consists of a luminaire and a choice of LevelLyte Power Feed and Suspension Kit, Inverted Y Power Feed and Suspension Kit or Stem Power Feed and Suspension Kit. Select Mounting elements as required.

AG	C	4	P	GR	DS	2	28	UNV	PG	
Family	**Type**	**Length**	**Mounting**	**Housing finish**	**Wiring**	**Lamp qty in a cross section**	**Lamp**	**Voltage**	**Ballasts**	**Options**
AG = Agili-T	**C** = Neo Parabolic louver **H** = Neo Lens	**4** = 4' **8** = 8'	**P** = Pendant	**GR** = Titanium **WH** = White	**DS** = Double-circuit **SN** = Single-circuit Network-Ready **DN** = Double-circuit Network-Ready **DI** = Single-feed wiring **DG** = Group-feed wiring	**1** = 1 Lamp **2** = 2 Lamp	**28** = 28W T-5 **54** = 54W T-5 HO	**120** = 120V **277** = 277V **UNV** = Universal Voltage 120/277V	**PG** = Program Start **DA** = DALI ballast (120, 277V only) **DP** = Integral MultiSense™ infrared occupancy and daylight harvesting sensor with DA ballast **NW** = EZsensor integral daylight sensor with Advance Mark 7 ballast (120V or 277V only)	

Accessories for Neo

Power feed suspension kits

AG	EN	24	G	G	UNV	DS	AGTB
Family	**Type**	**Length**	**End cap color**	**Canopy color**	**Voltage**	**Wiring***	**Mounting elements**
AG = Agili-T	**EN** = Neo end-caps (2) LevelLyte cable, canopy, joiner mechanism **EP** = Neo end-caps (2) inverted Y cable, canopy, joiner mechanism **EQ** = Neo end-caps (2) Stem suspension, canopy, joiner mechanism	**24** = Adjustable 6" - 24" **36** = Adjustable 6" - 36"	**G** = Titanium **W** = White	**G** = Titanium **W** = White	**UNV** = 120/277V	**SS** = Single Circuit **DS** = Double-circuit **DN** = Double-circuit Network-Ready	**AGTB** = One-piece T-bar wraparound clip for standard T or narrow T **AGSB** = One-piece T-bar wraparound clip for slot T (ask your Philips Lightolier representative for availability)

Suspension kit

AG	AV	24	X	G	AGTB
Family	**Type**	**Length**	**End cap color**	**Canopy color**	**Mounting elements**
AG = Agili-T	**AV** = Neo LevelLyte canopy and joiner mechanism **AY** = Neo inverted Y canopy and joiner mechanism **AZ** = Neo stem, canopy and joiner mechanism	**24** = Adjustable 6" - 24" or 24" Stem for order with **AZ** **36** = Adjustable 6" - 36" or 36" Stem for order with **AZ**	**X** = Not Available	**G** = Titanium **W** = White	**AGTB** = One-piece T-bar wraparound clip for standard T or narrow T **AGSB** = One-piece T-bar wraparound clip for slot T (ask your Philips Lightolier representative for availability)

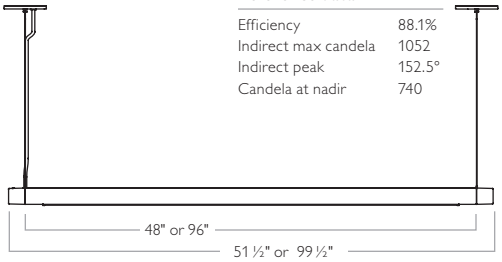
* Order **SS** wiring with **EQ** type only.
Consult factory for specialized circuit options for use in stem applications.

Agili-T Coplanar system louver

1-lamp or 2-lamp indirect/direct with Parabolic louver

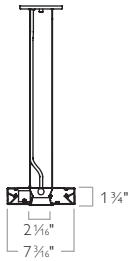
Coplanar System exhibits a streamlined, rectangular appearance that discreetly enhances any architectural decor. In addition to individual pendant applications, they are both suited to continuous row mounting. The unique 37 cell central Parabolic louver of AGN provides an affordable, elegant design accent featuring high-efficiency, low- glare direct illumination.

AGN

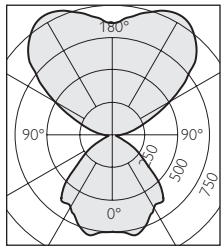


Reference data

Efficiency	88.1%
Indirect max candela	1052
Indirect peak	152.5°
Candela at nadir	740



Candlepower Curve



2 x 28W T-5 at 2610 lumens.

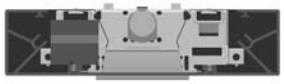
Ordering information

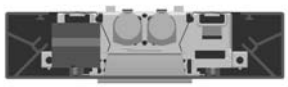
	Lum length	Lum width	Lum height	Lamps in a cross section	Lamp qty/type	Lamp watts	Catalog number*
Agili-T AGN with Textured Titanium Finish*	48"	7 3/16"	1 3/4"	1	1-T5	28W	**AGN4PGRDS128**
	48"			1	1-T5HO	54W	**AGN4PGRDS154**
	48"			2	2-T5	28W	**AGN4PGRDS228**
	48"			2	2-T5HO	54W	**AGN4PGRDS254**
	96"			1	2-T5	28W	**AGN8PGRDS128**
	96"			1	2-T5HO	54W	**AGN8PGRDS154**
	96"			2	4-T5	28W	**AGN8PGRDS228**
	96"			2	4-T5HO	54W	**AGN8PGRDS254**

Consult your Philips Lightolier representative for other color options.
* For textured white replace **GR** with **WH**. For Agili-T Network, replace "**S**" with "**N**". (e.g. AGD4P**WH**D**N**128)

EXAMPLE **AGN4PGRDS228**

AGN
Direct/Indirect





UNV

Voltage
120, 277 or UNV (120-277)

PG

Ballast*
PG = Program Start
DA = DALI Addressable Ballast (120, 277V only)
DP = Integral MultiSense™ infrared occupancy and daylight harvesting sensor with DA ballast
NW = EZsensor integral daylight sensor with Advance Mark 7 ballast (120V or 277V only)

Options

Note: Consult your Philips Lightolier representative for special wiring/ballasting needs.
* Consult your Philips Lightolier representative for **DA** and **NW** ballast compatibility option with stem mounting. **DA** and **DP** available with Agili-T Network only.

Features

- Choice of 1 or 2 linear T-5, 28- or 54-watt versions
- 75% uplight, 25% downlight (AGN, 2-lamp version)
- Ultra-wide even distribution for uniform ceiling luminance
- Up to three sensors can be integrated anywhere along the special SensorLyte sensor channel
- Ultralight construction (4' luminaire less than 12 lbs.) favors mobility, adds installation and remodeling convenience
- Special joining device integrates mechanical, electrical (2 circuits) and communications (Agili-T Network version) connections
- Continuous wiring capability built into every Agili-T luminaire
- White or titanium textured finish
- Reflector made of highly reflective Miro® aluminum
- Meets IESNA RP-1-04 uniformity recommendations for intensive VDT use
- Stem mounting option for single circuit without network connection (for other circuit options, consult factory)
- Certified to UL, cUL, and CSA standards

Integral MultiSense™ infrared occupancy and daylight harvesting sensor.

Agili-T Coplanar system lens

1- or 2-Lamp indirect/direct with microprism lens

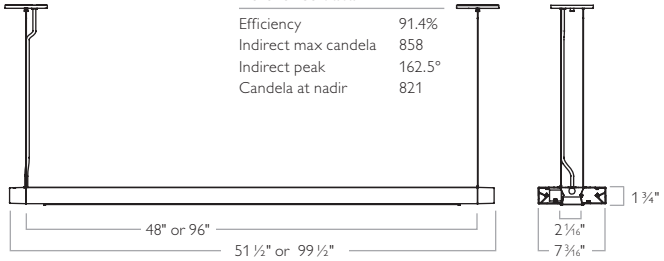
Creating a soft awareness of the light source, Coplanar system lens still delivers highly efficient, glare-free direct illumination. Its unique central acrylic microprism diffuser and minimalist, rectangular shape complement most modern interiors. Coplanar system lens can be used for individual luminaire applications and in continuous rows. Super lightweight extruded aluminum housing available in low-maintenance white or titanium textured finish. Choice of two leveling systems featuring improved installation performance, unique styles and affordable design accents. Agili-T Network version available with continuous wiring for individually controlled luminaires in a network configuration.

Features

- Choice of 1 or 2 linear T-5, 28- or 54-watt versions
- 65% uplight, 35% downlight (2-lamp version)
- Highly translucent acrylic microprism lens with a linear ribbed texture, ensuring visual comfort, reduced glare and a diffuse view of lamp(s)
- Ultra-wide even distribution for uniform ceiling luminance
- Up to three sensors can be integrated anywhere along the special SensorLyte sensor channel
- Ultralight construction (4' luminaire less than 12 lbs.) favors mobility, adds installation and remodeling convenience
- Special joining device integrates mechanical, electrical (2 circuits) and communications (Agili-T Network version) connections
- Continuous wiring capability built into every Agili-T luminaire
- Choice of white or titanium textured finish
- Highly resistant, non-smudging finish for easy, hassle-free handling
- Seamless body and end-cap paint finish
- Reflector made of highly reflective Miro® aluminum
- Meets IESNA RP-1-04 uniformity recommendations for intensive (1-lamp) and intermittent (2-lamp) VDT use
- New LevelLyte adjustment system featuring dual suspension from a single U-cable for fast and easy setting of height and level of luminaire
- New "Y" leveling adjustment system features single suspension point at ceiling
- Stem mounting option for single circuit without network connection (for other circuit options, consult factory)

Coplanar Lens

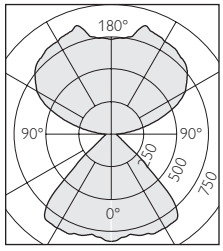
AGT



Reference data

Efficiency	91.4%
Indirect max candela	858
Indirect peak	162.5°
Candela at nadir	821

Candlepower Curve



2 x 28W T-5 at 2610 lumens.

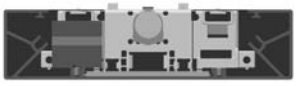
Ordering information

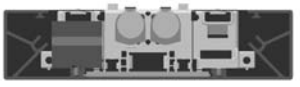
	Lum length	Lum width	Lum height	Lamps in a cross section	Lamp qty/type	Lamp watts	Catalog number*
Agili-T AGT with Textured Titanium Finish*	48"	7 3/16"	1 3/4"	1	1-T5	28W	**AGT4PGRDS128**
	48"			1	1-T5HO	54W	**AGT4PGRDS154**
	48"			2	2-T5	28W	**AGT4PGRDS228**
	48"			2	2-T5HO	54W	**AGT4PGRDS254**
	96"			1	2-T5	28W	**AGT8PGRDS128**
	96"			1	2-T5HO	54W	**AGT8PGRDS154**
	96"			2	4-T5	28W	**AGT8PGRDS228**
	96"			2	4-T5HO	54W	**AGT8PGRDS254**

Consult your Philips Lightolier representative for other color options.
* For textured white replace **GR** with **WH**. For Agili-T Network, replace "**S**" with "**N**". (e.g. AGD4P**WH**D**N**128)

EXAMPLE **AGT4PGRDS228**

AGT
Direct/Indirect





UNV

Voltage
120, 277 or UNV (120-277)

PG

Ballast*
PG = Program Start
DA = DALI Addressable Ballast (120, 277V only)
DP = Integral MultiSense™ infrared occupancy and daylight harvesting sensor with DA ballast
NW= EZsensor integral daylight sensor with Advance Mark 7 ballast (120V or 277V only)

Options

Note: Consult your Philips Lightolier representative for special wiring/ballasting needs.
* Consult your Philips Lightolier representative for **DA** and **NW** ballast compatibility option with stem mounting. **DA** and **DP** available with Agili-T Network only.

Agili-T Coplanar system

Center lamp numbering logic

A complete luminaire consists of a luminaire and a choice of LevelLyte power feed and suspension kit, inverted Y power feed and suspension kit or stem power feed and suspension kit. Select mounting elements as required.

AG	N	4	P	GR	DS	2	28	UNV	PG	
Family	**Type**	**Length**	**Mounting**	**Housing finish**	**Wiring**	**Lamp Qty in a cross section**	**Lamp**	**Voltage**	**Ballasts**	**Options**
AG = Agili-T	**N** = Coplanar Parabolic louver **T** = Coplanar Lens	**4** = 4' **8** = 8'	**P** = Pendant	**GR** = Titanium **WH** = White	**DS** = Double-circuit **SN** = Single-circuit Network-Ready **DN** = Double-circuit Network-Ready **DI** = Single-feed wiring **DG** = Group-feed wiring	**1** = 1 Lamp **2** = 2 Lamp	**28** = 28W T-5 **54** = 54W T-5 HO	**120** = 120V **277** = 277V **UNV** = Universal Voltage 120/277V	**PG** = Program Start **DA** = DALI ballast (120, 277V only) **DP** = Integral MultiSense™ infrared occupancy and daylight harvesting sensor with DA ballast **NW** = EZsensor integral daylight sensor with Advance Mark 7 ballast (120V or 277V only)	

Accessories for Coplanar system

Power feed suspension kits

AG	ER	24	G	G	UNV	DS
Family	**Type**	**Length**	**End cap color**	**Canopy color**	**Voltage**	**Wiring***
AG = Agili-T	**ER** = Coplanar end-caps (2) LevelLyte cable, canopy, joiner mechanism **ET** = Coplanar end-caps (2) inverted Y canopy, joiner mechanism **EU** = Coplanar end-caps (2) Stem suspension canopy, joiner mechanism	**24** = Adjustable 6" - 24" **36** = Adjustable 6" - 36"	**G** = Titanium **W** = White	**G** = Titanium **W** = White	**UNV** = 120/277V	**SS** = Single Circuit **DS** = Double-circuit **DN** = Double-circuit Network-Ready

Suspension kit

AG	AZ	24	X	G	AGTB
Family	**Type**	**Length**	**End cap color**	**Canopy color**	**Mounting elements**
AG = Agili-T	**AV** = Coplanar System LevelLyte canopy and joiner mechanism **AY** = Coplanar System inverted Y canopy and joiner mechanism **AZ** = Coplanar System stem, canopy and joiner mechanism	**24** = Adjustable 6" - 24" or 24" Stem for order with **AZ** **36** = Adjustable 6" - 36" or 36" Stem for order with **AZ**	**X** = Not Available	**G** = Titanium **W** = White	**AGTB** = One-piece T-bar wraparound clip for standard T or narrow T **AGSB** = One-piece T-bar wraparound clip for slot T (ask your Philips Lightolier representative for availability)

* Order **SS** wiring with **ES** type only.
Consult factory for specialized circuit options for use in stem applications.

MicroSquare direct lens

Pendant, surface and wall

Features

Housing: Single piece of high purity extruded aluminum, a portion from recycled material.

Lamps: One F28T5 or F54T5HO as specified. By others.

Reflector: Die-formed semi-specular aluminum.

Shielding: Extruded frosted acrylic lens.

Alignment mechanism: The housing and the End cap each have a draw tight mechanism that creates a hairline joint along and at the ends of the run. To operate the mechanism, the installer tightens two screws.

Finish: Powder-coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Electronic ballast: Meets ANSI starting, end-of-life protection and sound rating specifications. Low THD.

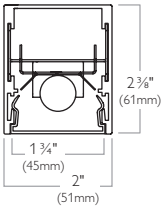
Emergency battery pack: 90 minute operation, 700 lumens for 54W and 520 lumens for 28W. Available in 8' fixtures only.

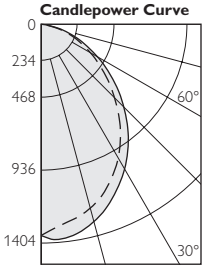
Dimming: For 54W T5, Advance Mark X standard (no additional wires required); use compatible dimmer. Ballast not to exceed 1.25" (3.18cm) wide by 1.20" (3.05cm) high.

Connections: Pre-wired with 18 gauge wires and polarized cannon plug connectors for simultaneous mechanical/electrical connection.

Approvals: Certified to UL, cUL, and CSA standards.

MS-1 Pendant

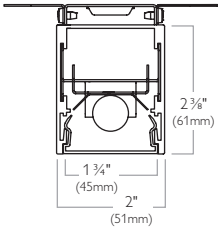


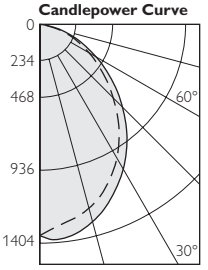


Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3242.7	64.9	100.0
90-180	0.0	0.0	0.0
0-180	3242.7	64.9	100.0

MS-12 Surface ceiling

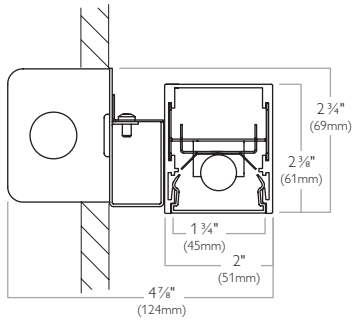


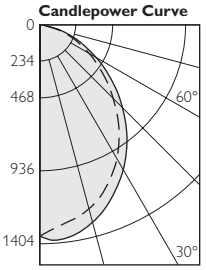


Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3242.7	64.9	100.0
90-180	0.0	0.0	0.0
0-180	3242.7	64.9	100.0

MS-7 Surface wall





Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3242.7	64.9	100.0
90-180	0.0	0.0	0.0
0-180	3242.7	64.9	100.0

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

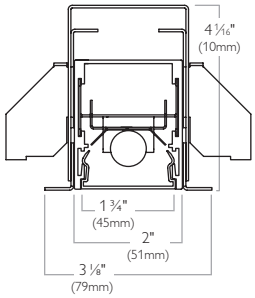
MS	2	N		L								
Family	**Housing height**	**Indirect**	**Direct**	**Lower shielding**	**Mounting**	**Length**	**Housing**	**Voltage**	**Finish**	**Options**
MS = MicroSquare	**2** = 2"nom	**N** = None	**S** = T5 Standard **H**= T5HO	**L** = Snap-in Lens	**PC** = Pendant Cable **PS** = Pendant Stem **SW**= Surface Wall **SC** = Surface Ceiling **FC** = Flange **LC** = Flangeless	**4** = 4' **8** = 8'	**J** = Joiner Module **U**=Individual Grid Mount	**U**= UNV, 120-277V **1** = 120V **2** = 277V	**A** = Aluminum **W** =White	**4** = 4 Thru Wires **D** = Fluor. Dim. **E** = EM Pack **T** = Tandem Switch

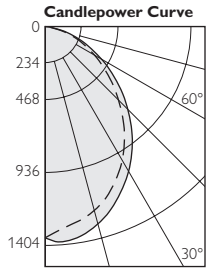
Voltage 1 or 2 must be selected for Dimming and EM Pack. EM Pack available in 8' fixtures only.
Tandem switch is only available in 8' length fixtures

MicroSquare direct lens

Recessed

MS-14 Recessed flange and flangeless



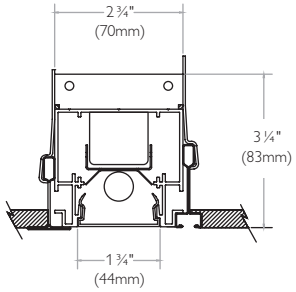


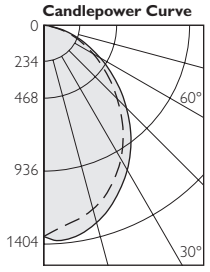
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3242.7	64.9	100.0
90-180	0.0	0.0	0.0
0-180	3242.7	64.9	100.0

No end set required

MS-16 Grid





Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3242.7	64.9	100.0
90-180	0.0	0.0	0.0
0-180	3242.7	64.9	100.0

No end set required

Mounting

MS-1 Cable suspension: All mounting is on 48" (121.92cm) and 96" (243.84cm) centers. 4-1/2" (11.43cm) diameter flat canopy finished white enamel, 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm) without cutting.

MS-1 Stem mounting: 4-1/2" (11.43cm) diameter flat canopy, 1/4" (0.64cm) IP 1/2" (1.27cm) OD stem. All components have a white finish.

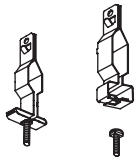
MS-7 Surface wall: Each module includes a full-length Wall mounting channel. Channel hole pattern accommodates junction box (single gang box rotated 90 degrees) or other appropriate mounting method using customer supplied fasteners.

MS-12 Surface mount: Each module includes a surface mounting pan. Pan hole pattern accommodates junction box (single gang box rotated 90 degrees) or other appropriate mounting method using customer supplied fasteners.

MS-14 Flange and flangeless recessed mount: Mounting via precision die-formed pre-painted steel brackets.

MS-16 Grid mount: Fixtures are grid mounted in slot, 5/16", 9/16" or 15/16" suspended tile ceilings.

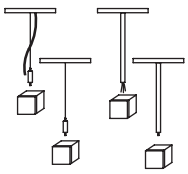
Mounting accessories for 2"



Ceiling grid kit

CGK (Cable only)

Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip



Power feed end set

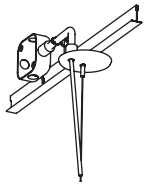
Standard Cable or Stem Length is 36" (91.44cm)

Cable with aluminum endset

With White Power Cord: **MSQ2EC36A**
With 4-Wire White Power Cord*: **MSQ2EC36AX4**
With 5-Wire White Power Cord**: **MSQ2EC36AX5**

Wall mounted set and surface ceiling mount

White: **MSQ2ECSCW**
Aluminum: **MSQ2ECSCA**



Ceiling grid kit

Power CGKP
(Cable only)

Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip

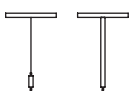
Cable with white endset

With White Power Cord: **MSQ2EC36W**
With 4-Wire White Power Cord*: **MSQ2EC36WX4**
With 5-Wire White Power Cord**: **MSQ2EC36WX5**

Stem end set

Aluminum End caps and Stems: **MSQ2ES36A**
White End caps and Stems: **MSQ2ES36W**
Aluminum End caps and Stems with 4th Fluorescent Wire*: **MSQ2ES36AX4**
Aluminum End caps and Stems with 5th Fluorescent Wire**: **MSQ2ES36AX5**
White End caps and Stems with 4th Fluorescent Wire*: **MSQ2ES36WX4**
White End caps and Stems with 5th Fluorescent Wire**: **MSQ2ES36WX5**

* Use for Emergency battery packs
** Use for T5 standard output dimming



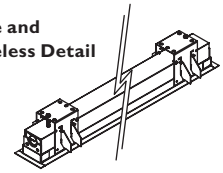
Intermediate cable or Stem suspension assembly

Standard Cable or Stem Length is 36" (91.44cm)

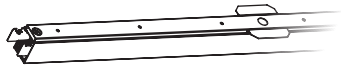
Single Cable: **MSQC36**

Single White Stem: **MSQS36W**

Flange and Flangeless Detail



Surface Mount Detail



MicroSquare direct louver

Pendant, surface and wall

Features

Housing: Single piece of high purity extruded aluminum, a portion from recycled material.

Lamps: One F28T5 or F54T5HO as specified. By others.

Reflector: Die-formed semi-specular aluminum.

Shielding: Parabolic louver.

Alignment mechanism: The housing and the End cap each have a draw tight mechanism that creates a hairline joint along and at the ends of the run. To operate the mechanism, the installer tightens two screws.

Finish: Powder-coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Electronic ballast: Meets ANSI starting, end-of-life protection and sound rating specifications. Low THD.

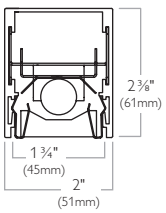
Emergency battery pack: 90 minute operation, 700 lumens for 54W and 520 lumens for 28W. Available in 8' fixtures only.

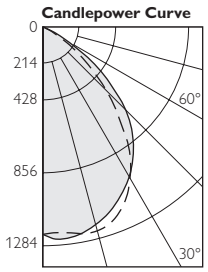
Dimming: For 54W T5, Advance Mark X standard (no additional wires required); use compatible dimmer. Ballast not to exceed 1.25" (3.18cm) wide by 1.20" (3.05cm) high.

Connections: Pre-wired with 18 gauge wires and polarized cannon plug connectors for simultaneous mechanical/electrical connection.

Approvals: Certified to UL, cUL, and CSA standards.

MS-2 Pendant

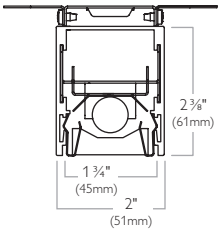


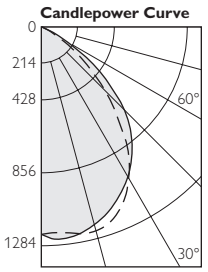


Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2622.2	52.4	100.0
90-180	0.0	0.0	0.0
0-180	2622.2	52.4	100.0

MS-13 Surface ceiling

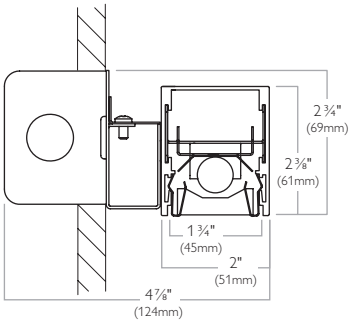


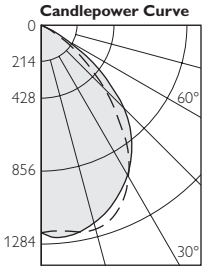


Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2622.2	52.4	100.0
90-180	0.0	0.0	0.0
0-180	2622.2	52.4	100.0

MS-8 Surface wall





Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2622.2	52.4	100.0
90-180	0.0	0.0	0.0
0-180	2622.2	52.4	100.0

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

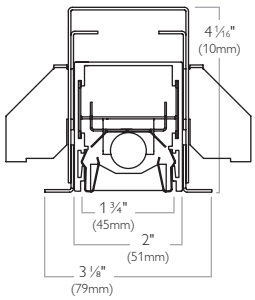
MS	2	N		P							
Family	**Housing height**	**Indirect**	**Direct**	**Lower shielding**	**Mounting**	**Length**	**Housing**	**Voltage**	**Finish**	**Options**
MS = MicroSquare	**2** = 2" nom	**N** = None	**S** = T5 Standard **H** = T5HO	**P** = Internal Parabolic louver	**PC** = Pendant Cable **PS** = Pendant Stem **SW** = Surface Wall **SC** = Surface Ceiling **FC** = Flange **LC** = Flangeless	**4** = 4' **8** = 8'	**J** = Joiner Module **U** = Individual Grid Mount	**U** = UNV, 120-277V **1** = 120V **2** = 277V	**A** = Aluminum **W** = White	**4** = 4 Thru Wires **D** = Fluor. Dim. **E** = EM Pack[1] **T** = Tandem Switch

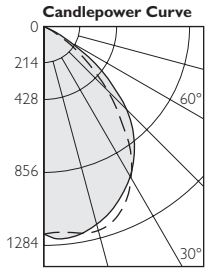
Voltage 1 or 2 must be selected for Dimming and EM Pack. EM Pack available in 8' fixtures only.
Tandem switch is only available in 8' length fixtures

MicroSquare direct louver

Recessed

MS-15 Recessed flange and flangless



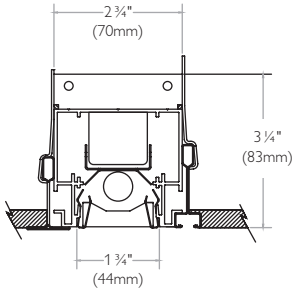


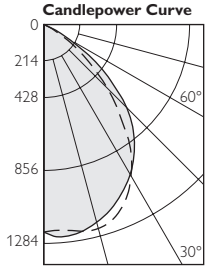
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2622.2	52.4	100.0
90-180	0.0	0.0	0.0
0-180	2622.2	52.4	100.0

No end set required

MS-17 Grid





Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2622.2	52.4	100.0
90-180	0.0	0.0	0.0
0-180	2622.2	52.4	100.0

No end set required

Mounting

MS-2 Cable suspension: All mounting is on 48" (121.92cm) and 96" (243.84cm) centers. 4-1/2" (11.43cm) diameter flat canopy finished white enamel, 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm) without cutting.

MS-2 Stem mounting: 4-1/2" (11.43cm) diameter flat canopy, 1/4" (0.64cm) IP 1/2" (1.27cm) OD stem. All components have a white finish.

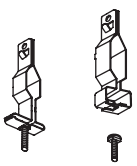
MS-8 Surface wall: Each module includes a full-length Wall mounting channel. Channel hole pattern accommodates junction box (single gang box rotated 90 degrees) or other appropriate mounting method using customer supplied fasteners.

MS-13 Surface mount: Each module includes a surface mounting pan. Pan hole pattern accommodates junction box (single gang box rotated 90 degrees) or other appropriate mounting method using customer supplied fasteners.

MS-15 Flange and flangeless recessed mount: Mounting via precision die-formed pre-painted steel brackets.

MS-17 Grid mount: Fixtures are grid mounted in slot, 5/16", 9/16" or 15/16" suspended tile ceilings.

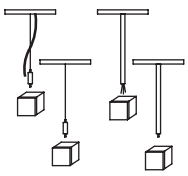
Mounting accessories for 2"



Ceiling grid kit

CGK (Cable only)

Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip



Power feed end set

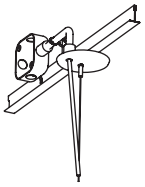
Standard Cable or Stem Length is 36" (91.44cm)

Cable with aluminum endset

With White Power Cord: **MSQ2EC36A**
With 4-Wire White Power Cord*: **MSQ2EC36AX4**
With 5-Wire White Power Cord**: **MSQ2EC36AX5**

End set wall and surface ceiling

White: **MSQ2ECSCW**
Aluminum: **MSQ2ECSCA**



Ceiling grid kit

Power CGKP
(Cable only)

Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip

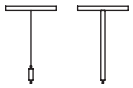
Cable with white endset

With White Power Cord: **MSQ2EC36W**
With 4-Wire White Power Cord*: **MSQ2EC36WX4**
With 5-Wire White Power Cord**: **MSQ2EC36WX5**

Stem

Aluminum End caps and Stems: **MSQ2ES36A**
White End caps and Stems: **MSQ2ES36W**
Aluminum End caps and Stems with 4th Fluorescent Wire*: **MSQ2ES36AX4**
Aluminum End caps and Stems with 5th Fluorescent Wire**: **MSQ2ES36AX5**
White End caps and Stems with 4th Fluorescent Wire*: **MSQ2ES36WX4**
White End caps and Stems with 5th Fluorescent Wire**: **MSQ2ES36WX5**

* Use for Emergency battery packs
** Use for T5 standard output dimming



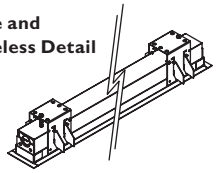
Intermediate cable or Stem suspension assembly

Standard Cable or Stem Length is 36" (91.44cm)

Single Cable: **MSQC36**

Single White Stem: **MSQS36W**

Flange and Flangeless Detail



Surface Mount Detail

MicroSquare indirect/direct lens

Pendant and wall

Features

Housing: Single piece of high purity extruded aluminum, a portion from recycled material.

Lamps: Two F28T5 or F54T5HO as specified. By others.

Reflector: Die-formed semi-specular aluminum.

Shielding: Extruded frosted acrylic lens or semi-specular Parabolic louver.

Alignment mechanism: The housing and the End cap each have a draw tight mechanism that creates a hairline joint along and at the ends of the run. To operate the mechanism, the installer tightens two screws.

Finish: Powder-coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Electronic ballast: Meets ANSI starting, end-of-life protection and sound rating specifications. Low THD.

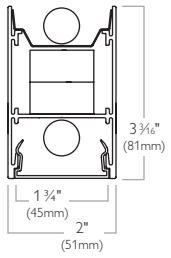
Emergency battery pack: 90 minute operation, 700 lumens for 54W and 520 lumens for 28W. Available in 8' fixtures only.

Dimming: For 54W T5, Advance Mark X standard (no additional wires required); use compatible dimmer. Ballast not to exceed 1.25" (3.18cm) wide by 1.20" (3.05cm) high.

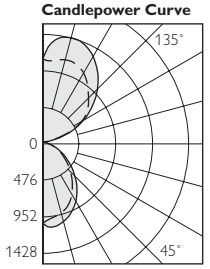
Connections: Pre-wired with 18 gauge wires and polarized cannon plug connectors for simultaneous mechanical/electrical connection.

Approvals: Certified to UL, cUL, and CSA standards.

MS-3 Pendant



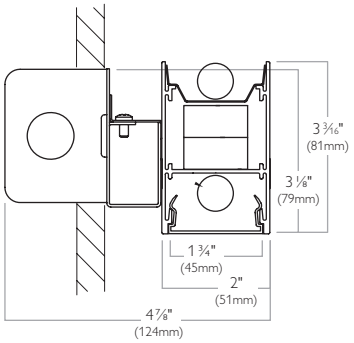
Candlepower Curve



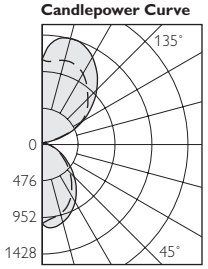
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2504.17	25.0	38.1
90-180	4071.0	40.7	61.9
0-180	6575.16	65.8	100.0

MS-9 Surface wall



Candlepower Curve



Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2504.17	25.0	38.1
90-180	4071.0	40.7	61.9
0-180	6575.16	65.8	100.0

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

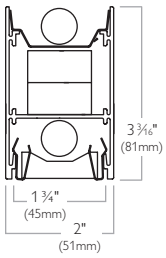
MS	3						J			
Family	**Housing height**	**Indirect**	**Direct**	**Lower shielding**	**Mounting**	**Length**	**Housing**	**Voltage**	**Finish**	**Options**
MS = MicroSquare	**3** = 3" nom	**S** = T5 Standard **H**= T5HO	**S** = T5 Standard **H**= T5HO	**L** = Snap-in Lens **P** = Parabolic Louver	**PC** = Pendant Cable **PS** = Pendant Stem **SW**= Surface Wall	**4** = 4' **8** = 8'	**J** = Joiner Module	**U**= UNV, 120-277V **1** = 120V **2** = 277V	**A** = Aluminum **W**= White	**2** = 2 Cct Up/Dn switched **4** = 4 Thru Wires **12**=(4) 12g track through-wires **D** = Fluor. Dim. **E** = EM Pack **T** = Tandem Switch

Select option "12" if the run has track fixtures. Fluorescent options are limited to T5HO dimming only
Voltage 1 or 2 must be selected for Dimming and EM Pack. EM Pack available in 8' fixtures only.
Tandem switch is only available in 8' length fixtures

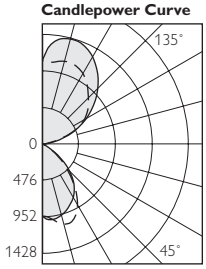
MicroSquare indirect/direct louver

Pendant and wall

MS-4 Pendant



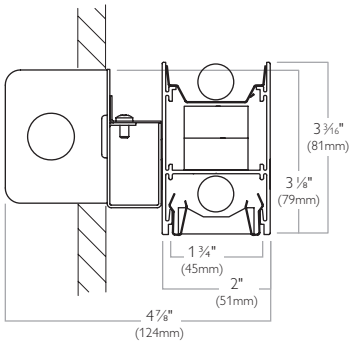
Candlepower Curve



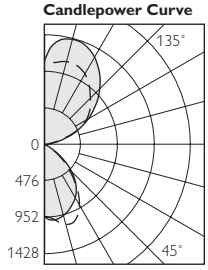
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2278.6	22.8	35.9
90-180	4071.0	40.7	64.1
0-180	6349.6	63.5	100.0

MS-10 Surface wall



Candlepower Curve



Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2278.6	22.8	35.9
90-180	4071.0	40.7	64.1
0-180	6349.6	63.5	100.0

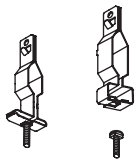
Mounting

MS-3 and 4 Cable suspension: All mounting is on 48" (121.92cm) and 96" (243.84cm) centers. 4-1/2" (11.43cm) diameter flat canopy finished white enamel, 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm) without cutting.

MS-3 and 4 Stem mounting: 4-1/2" (11.43cm) diameter flat canopy, 1/4" (0.64cm) IP 1/2" (1.27cm) OD stem. All components have a white finish.

MS-9 and 10 Surface wall: Each module includes a full-length Wall mounting channel. Channel hole pattern accommodates junction box (single gang box rotated 90 degrees) or other appropriate mounting method using customer supplied fasteners.

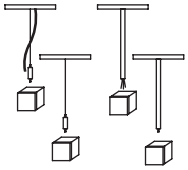
Mounting accessories for 3"



Ceiling grid kit

CGK (Cable only)

Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip

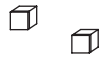


Power feed end set

Standard Cable or Stem Length is 36" (91.44cm)

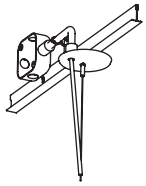
Cable with aluminum endset

With White Power Cord: **MSQ3EC36A**
With 4-Wire White Power Cord*: **MSQ3EC36AX4**
With 5-Wire White Power Cord**: **MSQ3EC36AX5**



Wall mount surface ceiling end set

White: **MSQ3ECSCW**
Aluminum: **MSQ3ECSCA**



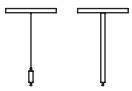
Ceiling grid kit

Power CGKP
(Cable only)

Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip

Cable with white endset

With White Power Cord: **MSQ3EC36W**
With 4-Wire White Power Cord*: **MSQ3EC36WX4**
With 5-Wire White Power Cord**: **MSQ3EC36WX5**



Intermediate cable or Stem suspension assembly

Standard Cable or Stem Length is 36" (91.44cm)

Single Cable: **MSQC36**

Single White Stem: **MSQS36W**

Stem

Aluminum End caps and Stems: **MSQ3ES36A**
White End caps and Stems: **MSQ3ES36W**
Aluminum End caps and Stems with 4th Fluorescent Wire*: **MSQ3ES36AX4**
Aluminum End caps and Stems with 5th Fluorescent Wire**: **MSQ3ES36AX5**
White End caps and Stems with 4th Fluorescent Wire*: **MSQ3ES36WX4**
White End caps and Stems with 5th Fluorescent Wire**: **MSQ3ES36WX5**

* Use for Emergency battery packs
** Use for T5 standard output dimming

MicroSquare indirect

Pendant and wall

Features

Housing: Single piece of high purity extruded aluminum, a portion from recycled material.

Lamps: One F28T5 or F54T5HO as specified. By others.

Reflector: Die-formed semi-specular aluminum.

Track: Two circuit Advent track installed into the housing. There is a 20 amp maximum for all track fixtures installed on a run of MicroSquare. It is a (3 wire) system rated 20 amps at 120 volts, 60 Hz per track circuit (40 amps total for the two track circuits) and is to be supplied by a 120/240 volts, 60 Hz, single phase, 3-wire branch circuit with a ground neutral.

Alignment mechanism: The housing and the End cap each have a draw tight mechanism that creates a hairline joint along and at the ends of the run. To operate the mechanism, the installer tightens two screws.

Finish: Powder-coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Electronic ballast: Meets ANSI starting, end-of-life protection and sound rating specifications. Low THD.

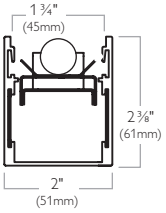
Emergency battery pack: 90 minute operation, 700 lumens for 54W and 520 lumens for 28W. Available in 8' fixtures only.

Dimming: For 54W T5, Advance Mark X standard (no additional wires required); use compatible dimmer. Ballast not to exceed 1.25" (3.18cm) wide by 1.20" (3.05cm) high.

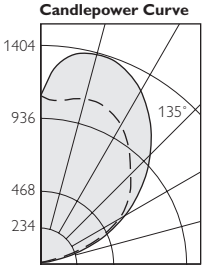
Connections: Pre-wired with 18 gauge wires and polarized cannon plug connectors for simultaneous mechanical/electrical connection.

Approvals: Certified to UL, cUL, and CSA standards.

MS-6 Pendant



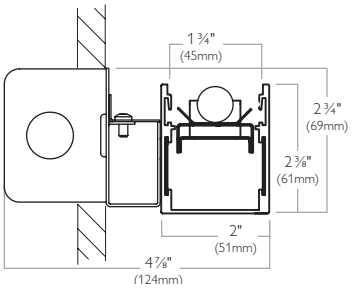
Candlepower Curve



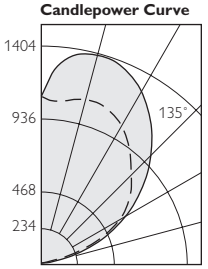
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	0	0	0
90-180	4027.1	80.5	100
0-180	4027.1	80.5	100

MS-11



Candlepower Curve



Distribution

Zone	Lumens	%Lamp	%Lumin
0-90	0	0	0
90-180	4027.1	80.5	100
0-180	4027.1	80.5	100

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

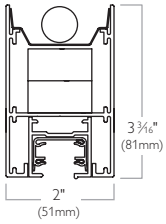
MS				N			J				D
Family	**Housing height**	**Indirect**	**Direct**	**Lower shielding**	**Mounting**	**Length**	**Housing**	**Voltage**	**Finish**	**Options**
MS = MicroSquare	**2** = 2" nom **3** = 3" nom	**S** = T5 Standard **H** = T5HO	**T** = 2 Cct Track[3] **N** = None	**N** = None	**PC** = Pendant Cable **PS** = Pendant Stem	**4** = 4' **8** = 8'	**J** = Joiner Module	**U** = UNV, 120-277V **1** = 120V **2** = 277V	**A** = Aluminum **W** = White	**4** = 4 Thru Wires **D** = Fluor. Dim. **E** = EM Pack[1] **T** = Tandem Switch[2]

[1] Voltage 1 or 2 must be selected for Dimming and EM Pack. EM Pack available in 8' fixtures only.
[2] Tandem switch is only available in 8' length fixtures
[3] Track and fluorescent fixture available in 120v only.

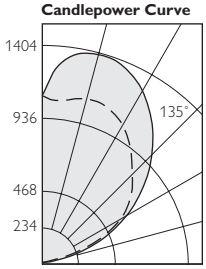
MicroSquare indirect/track

Pendant

MS-5 Pendant



Candlepower Curve



Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	0	0	0
90-180	4027.1	80.5	100
0-180	4027.1	80.5	100

Mounting

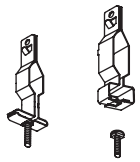
MS-6 Cable suspension: All mounting is on 48" (121.92cm) and 96" (243.84cm) centers. 4-1/2" (11.43cm) diameter flat canopy finished white enamel, 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm) without cutting.

MS-5 and 6 Stem mounting: 4-1/2" (11.43cm) diameter flat canopy, 1/4" (0.64cm) IP 1/2" (1.27cm) OD stem. All components have a white finish. For runs that contain track, a track endset needs to be used. The power for the fluorescent is located at the beginning of the run and track is at the end. Internal cables can be used to suspend the run in any location other than the ends.

MS-11 Surface wall: Each module includes a full-length Wall mounting channel. Channel hole pattern accommodates junction box (single gang box rotated 90 degrees) or other appropriate mounting method using customer supplied fasteners.

Mounting accessories for indirect

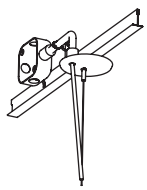
Indirect



Ceiling grid kit

CGK (Cable only)

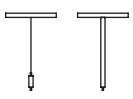
Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip



Ceiling grid kit

Power CGKP
(Cable only)

Includes both Standard 1" (2.54cm) Tee Bar Clip & Slot Tee Clip

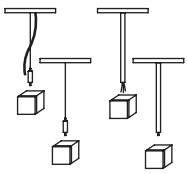


Intermediate cable or Stem suspension assembly

Standard Cable or Stem Length is 36" (91.44cm)

Single Cable: **MSQC36**

Single White Stem: **MSQS36W**



Power feed end set

Standard Cable or Stem Length is 36" (91.44cm)

Cable with aluminum endset

With White Power Cord: **MSQ2ECN36A**
With 4-Wire White Power Cord*: **MSQ2ECN36AX4**
With 5-Wire White Power Cord**: **MSQ2ECN36AX5**

Cable with white endset

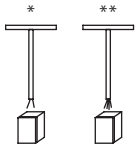
With White Power Cord: **MSQ2ECN36W**
With 4-Wire White Power Cord*: **MSQ2ECN36WX4**
With 5-Wire White Power Cord**: **MSQ2ECN36WX5**

Stem

Aluminum End caps and Stems: **MSQ2ESN36A**
White End caps and Stems: **MSQ2ESN36W**
Aluminum End caps and Stems with 4th Fluorescent Wire*: **MSQ2ESN36AX4**
Aluminum End caps and Stems with 5th Fluorescent Wire**: **MSQ2ESN36AX5**
White End caps and Stems with 4th Fluorescent Wire*: **MSQ2ESN36WX4**
White End caps and Stems with 5th Fluorescent Wire**: **MSQ2ESN36WX5**

* Use for Emergency battery packs
** Use for T5 standard output dimming

Track



Power feed end set with white canopies

Aluminum End caps and White Stem:
MSQ3ES36AT

White End caps and White Stem:
MSQ3ES36WT

End Set for Fluorescent and Track Power Fluorescent power is two 18g wires,

2-Cct track power is four 12g wires.

H-Profile recessed

1- or 2-Lamp T5 direct luminaire symmetric & asymmetric distribution

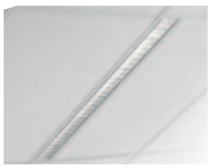
Minimalist design meets affordability and lighting efficiency with H-Profile Recessed. Invisible hardware creates clean lines that blend well with modern interiors, including offices, boardrooms and retail outlets. There is no longer a need to sacrifice luminaire efficiency when specifying narrow linear recessed forms. H-Profile Recessed is the perfect complement to other H-Profile versions in wide area lighting configurations.

Features

- Slim 3" aperture
- Compact lightweight design: only 3 3/8" wide and weighs only 8.5 lbs (3.85 kg)
- Available in 4 ft. luminaires. For 8 ft. models, consult your Philips Lightolier representative
- Sturdy steel body construction
- Precision extruded aluminum rails provide a full range of ceiling mounting options for standard T-grid, Slot T, Slim T, drywall and flangeless drywall applications
- Four luminaire optics to choose from: Frosted Flat Lens, Parabolic louver, Asymmetric and Flat Blade Asymmetric
- Precision snap-in Frosted Acrylic Lens features flat even surface that sits flush with housing and includes diffusion properties to eliminate lamp image
- Parabolic louver with built-in light stop to prevent light leaks
- Asymmetric optic includes shielded drop-down optic for wall washing applications (available only in 1-lamp model)
- Asymmetric optics available with flat blade louver shielding (available only in 1-lamp Asymmetric model)
- Philips Lightolier FleX mounting clips for low cost, error free and lightweight installation, included with Recessed Flanged model for drywalls (e.g. SL4FA22UPG)
- Superior lighting output well suited to meeting sustainability objectives and IES/ASHRAE lighting power density requirements of LEED projects
- Many models (SL4_A12_PG, SL4_B12_PG & SL4_A22_PG) meets ANSI/IES RP1-2004 VDT-Normal maximum luminous intensity criteria
- Choice of energy-smart, dimmable 1- or 2-lamp T5/T5HO luminaires (available in 120V or 277V)
- Roto-tab sockets for easy lamp replacements
- Ballast access from below
- Suited for row mounting
- EZsensor control: Integrated sensor mounts at the luminaire extremity
- Certified to UL, cUL, and CSA standards.

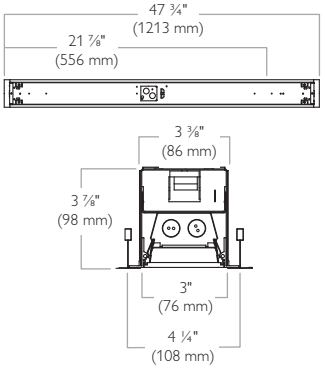
Superior asymmetric optics

Asymmetric optic includes shielded drop-down optic for wall washing applications (available only in 1-lamp model)

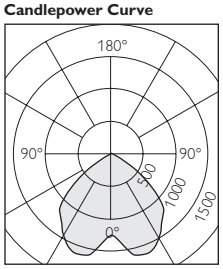


Also available with asymmetric optic with flat blade louver shielding (available only in 1-lamp model)

SL4GA221PG 4' H-Profile Parabolic louver 2-lamp 28W T5



Candlepower Curve



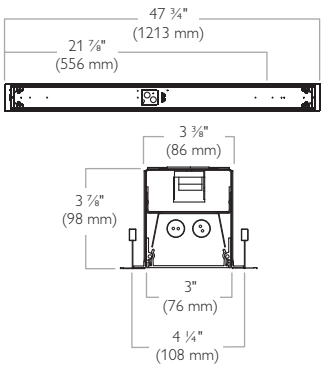
Reference data

Efficiency	66.4%
Candela at nadir	1249

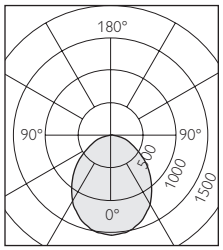
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.74	.72	.70
3	.64	.59	.55
5	.55	.48	.43
7	.47	.39	.34
10	.37	.28	.23

SL4GB22UPG 4' H-Profile flat lens 2-lamp 28W T5



Candlepower Curve



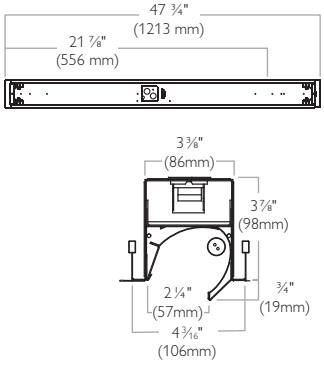
Reference data

Efficiency	69.9%
Candela at nadir	1528

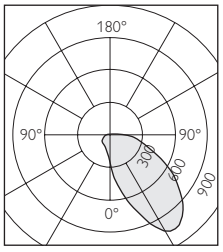
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.77	.74	.72
3	.65	.59	.54
5	.55	.47	.41
7	.47	.38	.32
10	.37	.28	.23

SL4GC12UPG 4' H-Profile asymmetric 1-lamp 28W T5



Candlepower Curve



Reference data

Efficiency	62.8%
Maximum Candela	1072

Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.67	.64	.61
3	.55	.48	.42
5	.45	.36	.30
7	.37	.28	.22
10	.29	.20	.14

H-Profile recessed

1- or 2-Lamp T5 direct luminaire symmetric & asymmetric distribution

Minimalist design meets affordability and lighting efficiency with H-Profile Recessed. Invisible hardware creates clean lines that blend well with modern interiors, including offices, boardrooms and retail outlets. There is no longer a need to sacrifice luminaire efficiency when specifying narrow linear recessed forms. H-Profile Recessed is the perfect complement to other H-Profile versions in wide area lighting configurations.

Ordering information

	Lum length*	Lum width	Recessed depth	No. of lamps	T5 (28W)	T5H0 (54W)
Parabolic louver Standard T-grid (or Narrow Slim T-grid)	48"	4 ¼"	3 ⅞"	1	**SL4GA12**	**SL4GA15**
	48"			2	**SL4GA22**	**SL4GA25**
Flat Lens Standard T-grid (or Narrow Slim T-grid)	48"	4 ¼"	3 ⅞"	1	**SL4GB12**	**SL4GB15**
	48"			2	**SL4GB22**	**SL4GB25**
Asymmetric Standard T-grid	48"	4 3⁄16"	3 ⅞"	1	**SL4GC12**	**SL4GC15**
Asymmetric-Flat White Blade Louver Standard T-grid	48"	4 3⁄16"	3 ⅞"	1	**SL4GD12**	**SL4GD15**

Main combinations shown here.
* For lengths other than 4', consult your Canlyte representative
For Slotted T-grid replace **G** with **T,** for Flanged Drywall replace **G** with **F** and for Flangeless replace **G** with **L.**

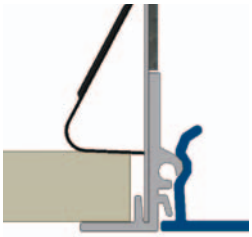
Example **SL4GA12** **U** **PG**

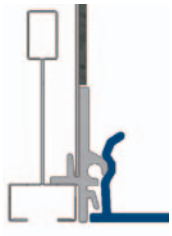
Luminaire

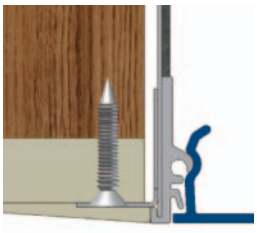
Voltage
1 = 120V
2 = 277V
U = 120-277V
3 = 347V

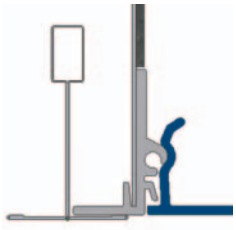
Ballast
PG = Electronic Program Start T5/T5H0
DA = DALI Addressable T5/ T5H0 (UNV only)
NW= EZsensor integral daylight sensor control with 1-10VDC ballast (120V or 277V only)

Options
E = T5/T5H0 Emergency Lighting system (n/a in 347V)
EM= Powerfeed c/w End caps, canopy end, MultiSense™ module

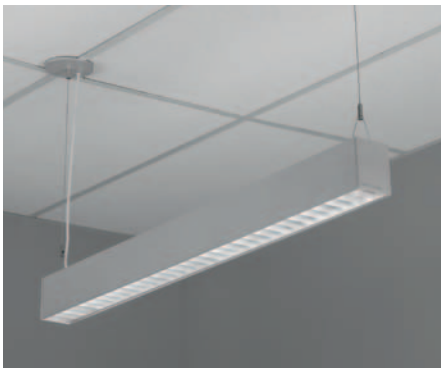

Drywall


Slot T


Flangeless drywall


Standard/ Slim T-grid

Philips Lightolier FleX mounting springs ensures uniform trim positioning and consistent look for an error-free installation process on all H-Profile Recessed Flanged model for drywalls (e.g. SL4FA22UPG). Fits drywall ceilings up to to 1 ½" thick.



H-Profile pendant

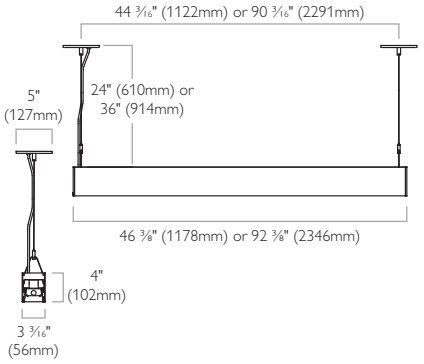
1-, 2- or 3- Lamp T5 direct/indirect luminaire

A pendant style uniting discreet, streamlined design and cost-effective lighting performance. With its hidden hardware and clean lines, H-Profile Pendant adds distinction to contemporary decors, including offices, boardrooms and retail outlets. It easily combines with other H-Profile versions to bring appeal and flexibility to architectural lighting configurations. Integrates the latest lighting control option including all-in-one MultiSense™ occupancy detection and daylight harvesting.

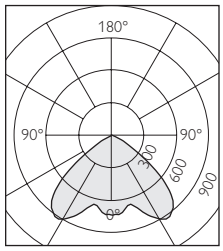
Features

- Slim 3" aperture
- Only 3 ¼" wide
- Compact lightweight design: 4' with 2-lamp version weighs only 10.5 lbs (4.75 kg)
- Available in 4 ft. and 8 ft. nominal length
- Choice of textured powder-coated paint finishes: textured White or Ano textured metallic paint finish to eliminate finger prints
- Sturdy aluminum pendant construction with die-cast End caps
- Five luminaire optics to choose from: Parabolic louver Downlight, Flat Lens Downlight, Indirect (1 lamp up), Parabolic louver Direct /Indirect (1 up / 1 down, 1 up / 2 down), Flat Lens Direct / Indirect (1 up / 1 down, 1 up / 2 down)
- Precision snap-in Frosted Acrylic Lens features flat even surface that sits flush with housing and includes diffusion properties to eliminate lamp image
- Parabolic louver with built-in light stop to prevent light leaks
- Superior lighting output well suited to meeting sustainability objectives and IES/ASHRAE lighting power density requirements of LEED projects
- SL4_BS12_PG model meets ANSI/IES RP1-2004 VDTIntensive maximum luminous intensity criteria. Many models (SL4_AS12_PG & SL4_AS22_PG) meets ANSI/IES RP1-2004 VDT-Normal maximum luminous intensity criteria
- Die-cast aluminum joining mechanism for strong, seamless row mounting
- Inverted "Y" leveling adjustment system with single suspension point at ceiling
- Choice of energy-smart, dimmable 1-, 2- or 3-lamp T5/T5HO luminaires (available in 120V or 277V)
- Roto-tab sockets for easy lamp replacements
- Double-circuit wiring standard on all H-Profile Pendant luminaires (additional network wiring available)
- Suited for row mounting
- EZsensor control: Integrated sensor mounts at the luminaire extremity
- MultiSense™ control: adjoining control module
- For Asymmetric Pendant, consult your Philips Lightolier representative
- Certified to UL, cUL, and CSA standards.

SL4AAS12UPG 4' H-Profile Parabolic louver down only 1-lamp 28W T5



Candlepower Curve



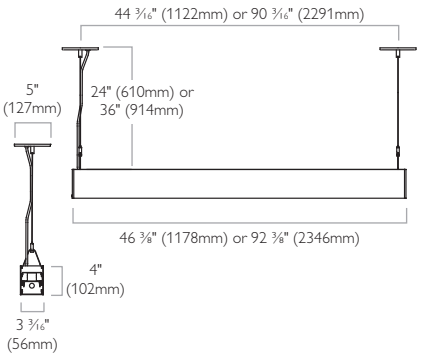
Reference data

Efficiency	76.7%
Candela at nadir	749

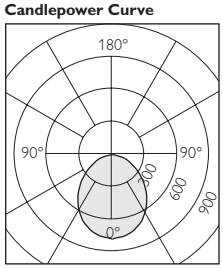
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.85	.83	.80
3	.73	.67	.62
5	.63	.54	.48
7	.53	.43	.37
10	.41	.31	.25

SL4WBS12UPG 4' H-Profile lens down only 1-lamp 28W T5



Candlepower Curve



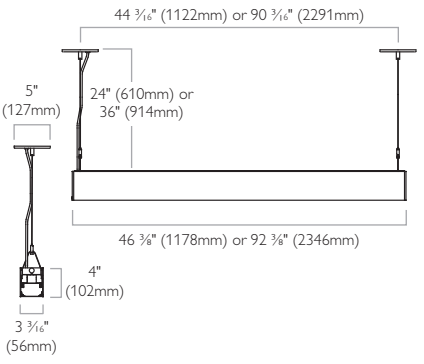
Reference data

Efficiency	63.2%
Candela at nadir	597

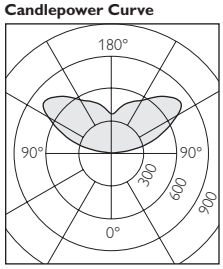
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.69	.67	.64
3	.58	.52	.47
5	.49	.41	.36
7	.42	.33	.28
10	.33	.25	.19

SL4WCS12UPG 4' H-Profile indirect up only 1-lamp 28W T5



Candlepower Curve



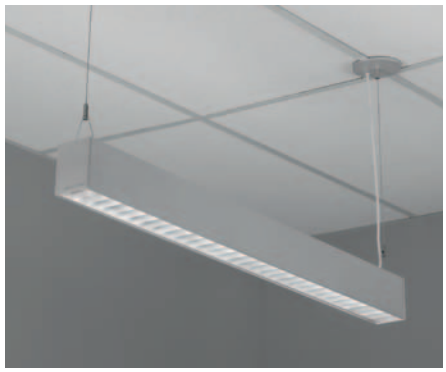
Reference data

Efficiency	92.5%
Max. indirect candela	793
Indirect peak at	125°

Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.80	.76	.73
3	.66	.58	.52
5	.55	.45	.39
7	.47	.36	.29
10	.37	.27	.21

H-Profile pendant



1-, 2- or 3- Lamp T5 direct/indirect luminaire

A pendant style uniting discreet, streamlined design and cost-effective lighting performance. With its hidden hardware and clean lines, H-Profile Pendant adds distinction to contemporary decors, including offices, boardrooms and retail outlets. It easily combines with other H-Profile versions to bring appeal and flexibility to architectural lighting configurations. Integrates the latest lighting control option including all-in-one MultiSense™ occupancy detection and daylight harvesting.

Ordering information

	Lum length*	Finish	Wiring	No. of lamps	T5 (28W)	T5H0 (54W)
Parabolic louver Down only	46⅜"	Textured white	Double circuit**	1	**SL4WAS12**	**SL4WAS15**
	46⅜"	textured white	Double circuit**	2	**SL4WAS22**	**SL4WAS25**
Lens Down only	46⅜"	Textured white	Double circuit**	1	**SL4WBS12**	**SL4WBS15**
	46⅜"	textured white	Double circuit**	2	**SL4WBS22**	**SL4WBS25**
Indirect Up only	46⅜"	Textured white	Double circuit**	1	**SL4WCS12**	**SL4WCS15**
Parabolic louver Down/Indirect Up	46⅜"	Textured white	Double circuit**	2	**SL4WHS22**	**SL4WHS25**
	46⅜"	textured white"	Double circuit**	3	**SL4WHS32**	**SL4WHS35**
Lens Down/ Indirect Up	46⅜"	Textured white	Double circuit**	2	**SL4WKS22**	**SL4WKS25**
	46⅜"	textured white	Double circuit**	3	**SL4WKS32**	**SL4WKS35**

Main combinations shown here.
* For 8' luminaire replace 4 by 8 in catalogue order (Length of 92⅜")
**Double Circuit Ready: all 2-lamp luminaires are shipped with single switching (one ballast). All 3-lamp luminaires are shipped with double switching (two ballasts).
For Ano textured metallic paint finish replace **W** with **A,** for Double Circuit Network Ready (DALI or Dimming) replace **S** with **N** , for Individual feed replace **S** with **I** and for Group feed replace **S** with **G.**

Example **SL4WHS22** | **U** | **PG** |

Luminaire

Voltage
1 = 120V
2 = 277V
U = 120-277V
3 = 347V

Ballast
PG = Electronic Program Start T5/T5H0
DA = DALI Addressable T5/ T5H0 (UNV only)
NW= EZsensor integral daylight sensor control with 1-10VDC ballast (120V or 277V only)

Options
E = T5/T5H0 Emergency Lighting system (n/a in 347V)
EM= Powerfeed c/w End caps, canopy end, MultiSense™ module
D= Double switching

H-Profile wall mount

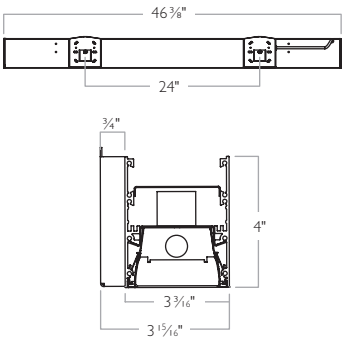
1-, 2- or 3- Lamp T5 direct or direct/indirect luminaire

A wall mount style uniting discreet, streamlined design and cost-effective lighting performance. With its hidden hardware and clean lines, H-Profile Wall Mount adds distinction to contemporary decors, including offices, boardrooms and retail outlets. It easily combines with other H-Profile versions to bring appeal and flexibility to architectural lighting configurations. Integrates the latest lighting control options including all-in-one MultiSense™ occupancy detection and daylight harvesting.

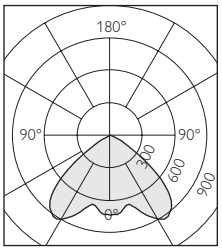
Features

- Slim 3" aperture
- Only 3-1/4" wide
- Compact lightweight design: 4' with 2-lamp version weighs only 10.5 lbs (4.75 kg)
- Available in 4 ft. and 8 ft. nominal length
- Choice of textured powder-coated paint finishes: textured White or Ano textured metallic paint finish to eliminate finger prints
- Sturdy aluminum construction with die-cast End caps
- Five luminaire optics to choose from: Parabolic louver Downlight, Flat Lens Downlight, Indirect (1 lamp up), Parabolic louver Direct /Indirect (1 up / 1 down, 1 up / 2 down), Flat Lens Direct / Indirect (1 up / 1 down, 1 up / 2 down)
- Precision snap-in Frosted Acrylic Lens features flat even surface that sits flush with housing and includes diffusion properties to eliminate lamp image
- Parabolic louver with built-in light stop to prevent light leaks
- Superior lighting output well suited to meeting sustainability objectives and IES/ASHRAE lighting power density requirements of LEED projects
- Die-cast aluminum joining mechanism for strong, seamless row mounting
- Inverted "Y" leveling adjustment system with single suspension point at ceiling
- Choice of energy-smart, dimmable 1-, 2- or 3-lamp T5/T5HO luminaires (available in 120V or 277V)
- Roto-tab sockets for easy lamp replacements
- Double-circuit wiring standard on all H-Profile Pendant luminaires (additional network wiring available)
- Suited for row mounting
- EZsensor control: Integrated sensor mounts at the luminaire extremity
- MultiSense™ control: adjoining control module
- Certified to UL, cUL, and CSA standards.

SL4BAAS12UPG 4' H-Profile Parabolic louver down only 1-lamp 28W T5



Candlepower Curve



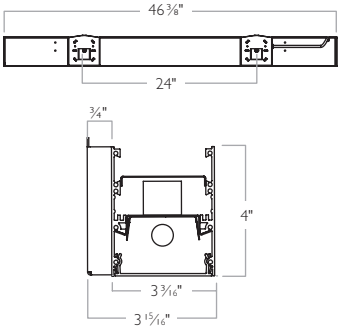
Reference data

Efficiency	76.7%
Candela at nadir	749

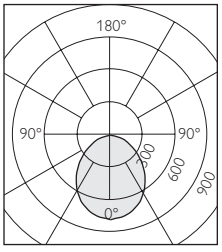
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.85	.83	.80
3	.73	.67	.62
5	.63	.54	.48
7	.53	.43	.37
10	.41	.31	.25

SL4BABS12UPG 4' H-Profile lens down only 1-lamp 28W T5



Candlepower Curve



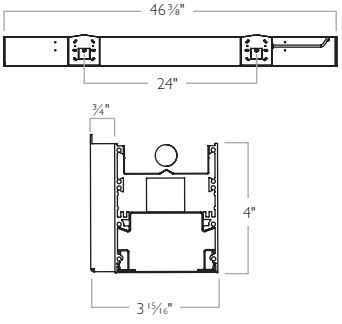
Reference data

Efficiency	63.2%
Candela at nadir	597

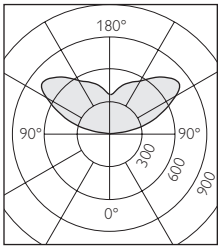
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.69	.67	.64
3	.58	.52	.47
5	.49	.41	.36
7	.42	.33	.28
10	.33	.25	.19

SL4BWCS12UPG 4' H-Profile indirect up only 1-lamp 28W T5



Candlepower Curve



Reference data

Efficiency	92.5%
Max. indirect candela	793
Indirect peak at	125°

Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.80	.76	.73
3	.66	.58	.52
5	.55	.45	.39
7	.47	.36	.29
10	.37	.27	.21

H-Profile wall mount

1-, 2- or 3- Lamp T5 direct or direct/indirect luminaire

A wall mount style uniting discreet, streamlined design and cost-effective lighting performance. With its hidden hardware and clean lines, H-Profile Wall Mount adds distinction to contemporary decors, including offices, boardrooms and retail outlets. It easily combines with other H-Profile versions to bring appeal and flexibility to architectural lighting configurations. Integrates the latest lighting control options including all-in-one MultiSense™ occupancy detection and daylight harvesting.

H-Profile wall mount can be easily installed; simply screw in the mounting brackets provided and then slide in the luminaire. Four and a half inch wide brackets provide room for maneuvering.

Ordering information

	Lum length*	Finish	Wiring	No. of lamps	T5 (28W)	T5H0 (54W)
Parabolic louver Down only	46⅜"	Textured white	Double circuit**	1	**SL4BWAS12**	**SL4BWAS15**
	46⅜"	textured white	Double circuit**	2	**SL4BWAS22**	**SL4BWAS25**
Lens Down only	46⅜"	Textured white	Double circuit**	1	**SL4BWBS12**	**SL4BWBS15**
	46⅜"	textured white	Double circuit**	2	**SL4BWBS22**	**SL4BWBS25**
Indirect Up only	46⅜"	Textured white	Double circuit**	1	**SL4BWCS12**	**SL4BWCS15**
Parabolic louver Down/Indirect Up	46⅜"	Textured white	Double circuit**	2	**SL4BWHS22**	**SL4BWHS25**
	46⅜"	textured white"	Double circuit**	3	**SL4BWHS32**	**SL4BWHS35**
Lens Down/ Indirect Up	46⅜"	Textured white	Double circuit**	2	**SL4BWKS22**	**SL4BWKS25**
	46⅜"	textured white	Double circuit**	3	**SL4BWKS32**	**SL4BWKS35**

Main combinations shown here.
* For 8' luminaire replace 4 by 8 in catalogue order (Length of 92⅜")
**Double Circuit Ready: all 2-lamp luminaires are shipped with single switching (one ballast). All 3-lamp luminaires are shipped with double switching (two ballasts).
For Ano textured metallic paint finish replace **W** with **A,** for Double Circuit Network Ready (DALI or Dimming) replace **S** with **N** , for Individual feed replace **S** with **I** and for Group feed replace **S** with **G.**

Example **SL4BWHS22** **U** **PG**

Luminaire

Voltage
1 = 120V
2 = 277V
U = 120-277V
3 = 347V

Ballast
PG = Electronic Program Start T5/T5H0
DA = DALI Addressable T5/ T5H0 (UNV only)
NW= EZsensor integral daylight sensor control with 1-10VDC ballast (120V or 277V only)

Options
E = T5/T5H0 Emergency Lighting system (n/a in 347V)
EM= Powerfeed c/w End caps, canopy end, MultiSense™ module
D**= Double switching

H-Profile surface mount

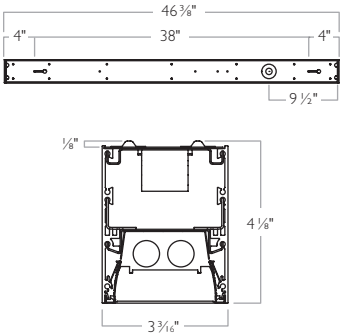
1- or 2- Lamp T5 direct luminaire

Minimalist design meets affordability and lighting efficiency with H-Profile surface mount. Invisible hardware creates clean lines that blend well with modern interiors, including offices, boardrooms and retail outlets. There is no longer a need to sacrifice luminaire efficiency when specifying narrow linear recessed forms. H-Profile surface is the perfect complement to other H-Profile versions in wide-area lighting configurations.

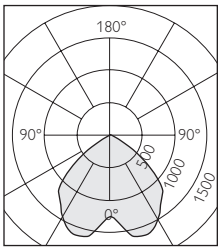
Features

- Slim 3" aperture
- Compact lightweight design: only 3-3/8" wide and weighs only 8.5 lbs (3.85 kg)
- Available in 4 ft. luminaires. For 8 ft. models, consult your Canlyte representative
- Sturdy steel body construction
- Precision extruded aluminum rails provide a full range of ceiling mounting options for standard T-grid, Slot T, Slim T, drywall and flangeless drywall applications
- Two luminaire optics to choose from: Parabolic louver or Flat Blade Asymmetric Downlight
- Precision snap-in Frosted Acrylic Lens features flat even surface that sits flush with housing and includes diffusion properties to eliminate lamp image
- Parabolic louver with built-in light stop to prevent light leaks
- Philips Lightolier FleX mounting clips for low cost, error-free and lightweight installation
- Superior lighting output well suited to meeting sustainability objectives and IES/ASHRAE lighting power density requirements of LEED projects
- Many models (SL4_A12_PG, SL4_B12_PG & SL4_A22_PG) meets ANSI/IES RP1-2004 VDT-Normal maximum luminous intensity criteria
- Choice of energy-smart, dimmable 1- or 2-lamp T5/T5HO luminaires (available in 120V or 277V)
- Roto-tab sockets for easy lamp replacements
- Ballast access from below
- Suited for row mounting
- EZsensor control: Integrated sensor mounts at the luminaire extremity
- Certified to UL, cUL, and CSA standards.

SL4SAAS221PG 4' H-Profile Parabolic louver 2-lamp 28W T5



Candlepower Curve



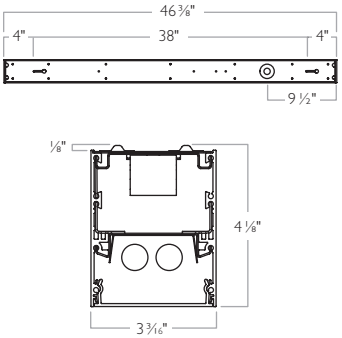
Reference data

Efficiency	66.4%
Candela at nadir	1249

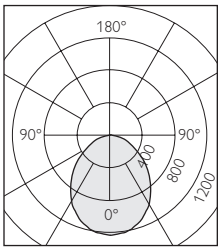
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.74	.72	.70
3	.64	.59	.55
5	.55	.48	.43
7	.47	.39	.34
10	.37	.28	.23

SL4SABS22UPG 4' H-Profile flat lens 2-lamp 28W T5



Candlepower Curve



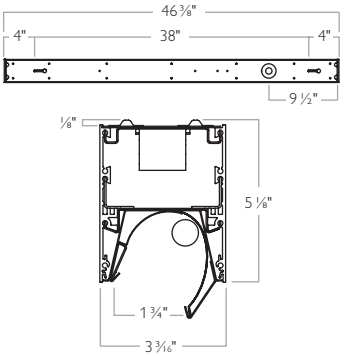
Reference data

Efficiency	54.5%
Candela at nadir	1210

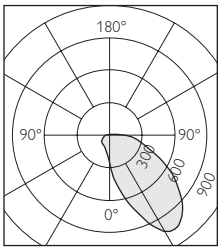
Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.60	.55	.56
3	.51	.46	.42
5	.43	.37	.32
7	.37	.30	.25
10	.29	.22	.18

SL4SAYS12UPG 4' H-Profile asymmetric 1-lamp 28W T



Candlepower Curve



Reference data

Efficiency	66.1%
Maximum Candela	931

Coefficient of utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.67	.64	.61
3	.55	.48	.42
5	.45	.36	.30
7	.37	.28	.22
10	.29	.20	.14

H-Profile surface mount

1- or 2- Lamp T5 direct luminaire

Minimalist design meets affordability and lighting efficiency with H-Profile surface mount. Invisible hardware creates clean lines that blend well with modern interiors, including offices, boardrooms and retail outlets. There is no longer a need to sacrifice luminaire efficiency when specifying narrow linear recessed forms. H-Profile surface is the perfect complement to other H-Profile versions in wide-area lighting configurations.

Ordering information

	Lum length*	Width	Depth	No. of lamps	T5 (28W)	T5H0 (54W)
Parabolic louver	48"	4 ¼"	3 ⅞"	1	**SL4SAAS12**	**SL4SAAS15**
	48"	4 ¼"	3 ⅞"	2	**SL4SAAS22**	**SL4SAAS25**
Flat Lens	48"	4 ¼"	3 ⅞"	1	**SL4SABS12**	**SL4SABS15**
	48"	4 ¼"	3 ⅞"	2	**SL4SABS22**	**SL4SABS25**

Main combinations shown here.
* For 8' luminaires, consult your Canlyte representative.
**Double Circuit Ready: all 2-lamp luminaires are shipped with single switching (one ballast). All 3-lamp luminaires are shipped with double switching (two ballasts).

Example **SL4SAAS12** **U** **PG**

Luminaire

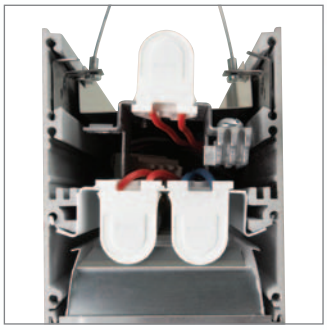
Voltage
1 = 120V
2 = 277V
U = 120-277V
3 = 347V

Ballast
PG = Electronic Program Start T5/T5H0
DA = DALI Addressable T5/T5H0 (UNV only)
NW= EZsensor integral daylight sensor control with 1-10VDC ballast (120V or 277V only)

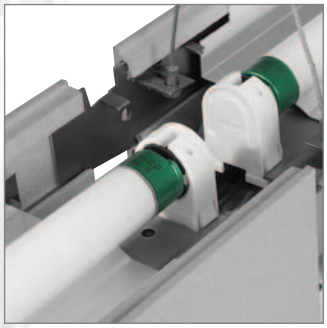
Options
E = T5/T5H0 Emergency Lighting system (n/a in 347V)
EM= Powerfeed c/w End caps, canopy end, MultiSense™ module
D**= Double switching

Shimmering statements Advanced optical design creates a fully illuminated lens without leaks.

Daylighting options
H-Profile stand-alone luminaires can be fitted with Philips Lightolier EZsensor or MultiSense™ sensors (respectively first and second sensor picture) to harvest natural light in window-adjacent locations and provide added energy savings.



Energy-efficient lighting
Dual-Optic H-Profile (pendant and wall mount versions) is ideal for "one luminaire per person" workstation lighting strategies, ensuring sufficient task lighting while providing occupant control and energy cost savings.



Elegant lines of light
Outstanding linear configurations can be created thanks to an easy-to-install joining mechanism ensuring superior connectability.

H-Profile features and accessories

Inverted "Y" suspension system

- "Y" leveling adjustment system uses single suspension point at ceiling

Color-matched suspension kits
- Choice of textured powder-coat paint finishes: White or Ano metallic
- Canopy and end-caps match luminaire finish
- Power Feed suspension kits available in UNV and 347V

EZsensor

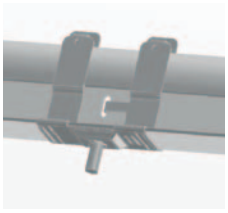
Features
- Mounts on the luminaire extremity for architectural integration
- Provides daylight control for each individual luminaire: simply wire as a normal fixture
- One sensor in one luminaire can control up to 20 additional luminaires (added control wires and dimming ballasts required between luminaires)

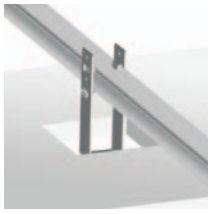
Factory preset 500 lux/45 footcandles (mid set point), assuming (standard reflectances (80/50/20), ceiling heights of 8'-10' and work surface at 2.5' high.
Available range 1/3 to 3 times the factory preset
Adjustability Hand rotation of diaphragm
Optimal positioning tips 6' to 10' from window, at least 5' between sensors, and over surfaces with average reflectivity

Use ballast suffix **NW** (e.g. SL4GAN22U**NW**)

- Provides light level dimming when additional daylight or other electric light is detected (not designed for maintaining a constant light level)
- Calibrated for 20% energy savings where standard office lighting is specified – Reduces 600 lux installed to 500 lux required levels

Mounting elements





AGTB One-piece T-bar wraparound clip for standard T or Slim T
AGSB One-piece T-bar wraparound clip for Slot T
AGOG Off-grid holding bar

MultiSense™

Features
- Sensor mounts in a separate adjoining compartment architecturally integrated. H-Profile Recessed: Consult your Canlyte representative.
- Exclusive all-in-one detection technology that combines occupancy sensing and daylight harvesting
- Plug'n play functionality including factory presets
- Integral addressable DALI ballast for stand-alone applications (also suitable for integration into wide-area lighting networks)

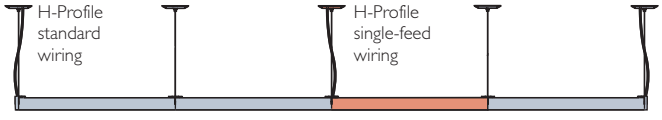
Occupancy detection Turns luminaire on and off using preset 12-minute delay.
Daylight harvesting Dims luminaire in response to available daylight to maintain a comfortable visual environment.

Use ballast suffix **DP** (e.g. SL4WAS22U**DP**)

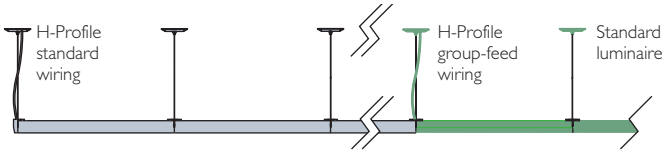
- Ideal for workstation-specific lighting (one luminaire per person) using, for example, dual-optic H-Profile Pendant with 2 (1 up / 1 down) or 3 lamps (1 up / 2 down)
- Programmable by using an infrared remote control (Cat. Number **DA-BR-CONT**) or via available pop-up dimming controls on the desktop

Wiring options

H-Profile pendant examples: single-feed wiring emergency application (Suffix: DI)



Application with multiple feed (Suffix: DG)



- Single-feed wiring enables emergency lighting at row extremity
- Group-feed wiring integrates a circuit/power feed within a row

H-Profile ordering logic

Recessed, pendant, surface and wall mount luminaires

1A Recessed luminaires

SL	4	G	A	1	5	U	PG	
Family	**Length**	**Mounting**	**Optics**	**Lamp qty in a cross section**	**Lamp**	**Voltage**	**Ballast**	**Options**
SL	**4** = 4' Additional lengths available. Contact your sales representative.	**G** = Recessed standard T-grid or recessed narrow (slim) T-grid **T** = Recessed slotted T-grid **F** = Recessed flanged drywall **L** = Recessed flangeless	**A** = Parabolic louver down **B** = Flat lens down **C** = Asymmetric down complete with kick plate (4-ft, 1-lamp only) **D** = Asymmetric louver down	**1** = 1 Lamp **2** = 2 Lamp	**2** = 28W T-5 **5** = 54W T-5H0	**U** = UNV, (120/277V) **1** = 120V **2** = 277V **3** = 347V	**PG** = Program Start **DA** = DALI ballast (UNV only) **NW**= EZsensor integral daylight sensor control downlight with Philips Advance Mark VII ballast (120V or 277V only)	**E** = T5/T5HO Emergency Lighting System (n/a in 347V) **EM** = Powerfeed c/w End caps, canopy end MultiSense™ module

1B Pendant luminaires

SL	4	W	A	S	2	2	U	PG	
Family	**Length**	**Pendant finish**	**Optics**	**Wiring**	**Lamp qty in a cross section**	**Lamp**	**Voltage**	**Ballast**	**Options**
SL	**4** = 4' **8** = 8'	**W** = Textured White finish **A** = Ano textured metallic paint finish	**A,B, C, D, E, H, J, K, L, O, T, V, Y** (See optics)	**S** = Double circuit ready* **N** = Double circuit network ready (DALI or dimming)† **I** = Individual feed **G** = Group feed	**1** = 1 Lamp **2** = 2 Lamp **3** = 3 Lamp	**2** = 28W T-5 **5** = 54W T-5H0	**U** = UNV, (120/277V) **1** = 120V **2** = 277V **3** = 347V	**PG** = Program Start **DA** = DALI ballast (UNV only) **NW**= EZsensor integral daylight sensor control uplight and downlight with Philips Advance Mark VII ballast (UNV only) **DP** = MultiSense™ Module	**E** = T5/T5HO Emergency Lighting System (n/a in 347V) **EM** = Powerfeed c/w end caps, canopy end MultiSense™ module **D** = Double Switch*

1C Surface luminaires

SL	4	S	A	A	S	1	2	U	PG	
Family	**Length**	**Mounting**	**Finish**	**Optics**	**Wiring**	**Lamp qty in a cross section**	**Lamp**	**Voltage**	**Ballast**	**Options**
SL	**4** = 4' **8** = 8'	**S** = Surface	**W** = Textured White finish **A** = Ano textured metallic paint finish	**A** = Parabolic louver down **B** = Flat lens down **D** = Asymmetric louver down **Y** = Asymmetric reflector down	**S** = Double circuit ready* **N** = Double circuit network ready (DALI or dimming)† **I** = Individual feed **G** = Group feed	**1** = 1 Lamp **2** = 2 Lamp	**2** = 28W T-5 **5** = 54W T-5H0	**U** = UNV, (120/277V) **1** = 120V **2** = 277V **3** = 347V	**PG** = Program Start **DA** = DALI ballast (UNV only) **NW**= EZsensor integral daylight sensor control uplight and downlight with Philips Advance Mark VII ballast (UNV only) **DP** = MultiSense™ Module	**E** = T5/T5HO Emergency Lighting System (n/a in 347V) **EM** = Powerfeed c/w end caps, canopy end MultiSense™ module **D** = Double Switch*

1D Wall mount luminaires

SL	4	B	A	A	S	1	2	U	PG	
Family	**Length**	**Mounting**	**Finish**	**Optics**	**Wiring**	**Lamp qty in a cross section**	**Lamp**	**Voltage**	**Ballast**	**Options**
SL	**4** = 4' **8** = 8'	**B** = Wall mounting (Brackets to be ordered separately)	**W** = Textured White finish **A** = Ano textured metallic paint finish	**A,B, C, H, J, K, L** (See optics)	**S** = Double circuit ready* **N** = Double circuit network ready (DALI or dimming)† **I** = Individual feed **G** = Group feed	**1** = 1 Lamp **2** = 2 Lamp **3** = 3 Lamp	**2** = 28W T-5 **5** = 54W T-5H0	**U** = UNV, (120/277V) **1** = 120V **2** = 277V **3** = 347V	**PG** = Program Start **DA** = DALI ballast (UNV only) **NW**= EZsensor integral daylight sensor control uplight and downlight with Philips Advance Mark VII ballast (UNV only) **DP** = MultiSense™ Module	**E** = T5/T5HO Emergency Lighting System (n/a in 347V) **EM** = Powerfeed c/w end caps, canopy end MultiSense™ module **D** = Double Switch*

† For maximum flexibility, S and N wiring options include continuous 2-circuit wiring: one circuit for upper compartment, one circuit for lower compartment (single and double compartment luminaires can be mixed).

* Double Circuit Ready: all 2-lamp luminaires are shipped with single switching (one ballast). All 3-lamp luminaires are shipped with double switching (two ballasts).

H-Profile accessories

Mounting kits, powerfeed kits, Mounting elements, ordering instructions

2 Mounting kits

SL	H	AC	24	XW
Family	**Product**	**Mounting type**	**Aircraft cable length**	**Canopy color**
SL	**H** = H-Profile	**AC** = Pendant Aircraft cable c/w canopy **AB** = Wall Mount Brackets**	**24** = 24" **36** = 36" **XX** = Wall Mount	**XW** = Textured White finish **XA** = Ano textured metallic paint finish

3 Powerfeed kits

SL	H	EC	24	A	A	U	DS
Family	**Product**	**Suspension type**	**Aircraft cable length**	**End cap color**	**Canopy color**	**Voltage**	**Wiring**
SL	**H** = H-Profile	**EC** = Powerfeed c/w End caps & canopy for Pendant **EB** = Powerfeed c/w End caps for Wall Mount*** **ES** = Powerfeed c/w End caps for Surface Mount† **EM** = Powerfeed c/w End caps canopy end MultiSense™ module	**24** = 24" **36** = 36" **XX** = Wall Mount & Surface	**W** = Textured White finish **A** = Ano textured metallic paint finish	**W** = Textured White finish **A** = Ano textured metallic paint finish	**U** = Universal voltage 120-277V **3** = 347V	**DS** = Double circuit ready* **DN** = Double circuit network ready

4 Mounting elements

AGTB One-piece T-bar wraparound clip for standard T or narrow T . One per Suspension Kit.
AGSB One-piece T-bar wraparound clip for slot T. One per Suspension Kit. (Consult your Canlyte representative for availability.)
AGOG Off-grid holding bar. One per Suspension Kit.

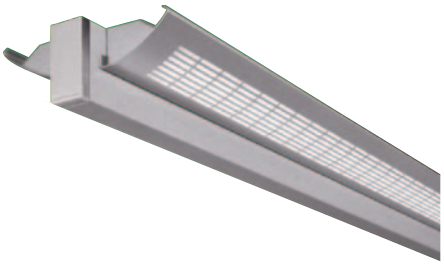
Ordering instructions

Step 1	Step 2	Step 3	Step 4
A. Choose H-Profile **Recessed** luminaire.			Choose mounting elements
B. Choose H-Profile **Pendant** luminaire.	Choose mounting kit.	Choose one power feed kit per individual luminaire or one per row at row extremity.	Choose mounting elements
C. Choose H-Profile **Surface Mount** luminaire.		Choose one power feed kit per individual luminaire or one per row at row extremity.	Choose mounting elements
D. Choose H-Profile **Wall Mount** luminaire.	Choose mounting kit.	Choose one power feed kit per individual luminaire or one per row at row extremity.	

Codes for the optics available in luminaires.

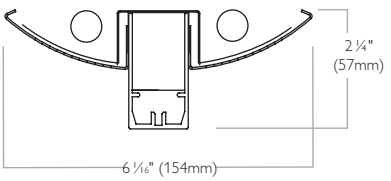
A = Parabolic louver down
B = Flat lens down
C = Indirect up
D = Asymmetric louver down
E = Asymmetric louver down/Indirect up and clear acrylic cover
H = Parabolic louver down/indirect up
J = Parabolic louver down/indirect up and clear acrylic cover
K = Flat lens down/indirect up
L = Flat lens down/Indirect up and clear acrylic cover
O = Asymmetric reflector down /Indirect up
T = Asymmetric reflector down /Indirect up and clear acrylic cover
V = Asymmetric louver down/Indirect up
Y = Asymmetric reflector down
Note : Direct (down), indirect. (up)

* 18-gauge wire. Maximum of 10A per breaker. 2 circuits using 2 breakers with common neutral.
** Includes 1 Wall mounting bracket.
*** Includes 1 Wall mounting bracket with power and 2 End caps.
† Includes 1 power canopy (one required per row) and 2 End caps. Listed as a standard electrical box for through-branch wiring.



Silhouette SD series

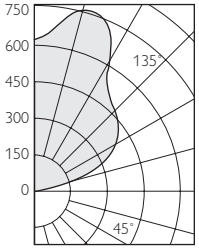
SD 2 Light T5 indirect/direct



Reference data

Report no:	LRL299-IF
Lamps:	2 F28T5
Lumens:	2900
Efficiency:	82.2%

Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	979	16.9	20.5
90-180	3790	65.3	79.5
0-180	4769	82.2	100.0

Features

Housing: Extruded aluminum. Die-cast end plate mechanically attached with no exposed fasteners.

Lamping: Two T5 (28 or 54 watt as specified) fluorescent lamps. Provided by others.

Reflector: Die-formed specular aluminum reflector.

Shielding: Die-formed perforated 18 gauge CRS.

Electrical: Specify 120 volt or 277 volt. For special circuiting, consult factory. Ballast is class "P" electronic, class "A" sound rating, less than 10% THD, thermally protected, end of lamp life cutoff.

EM Pack: Available in 28W only.

Mountings: Cable suspension (not shown) - 4 1/2" diameter flat canopy finished enamel white, 1/16" diameter stainless steel aircraft cable adjustable up to 36", adjustable cable gripper.

Finish: Powder coated baked white or aluminum enamel. Custom colors available, consult factory.

Options & Accessories: L, T, X and Inline joiner blocks available.

Approvals: Certified to UL, cUL, and CSA standards.

For complete product information please refer to brochure and specification sheets.

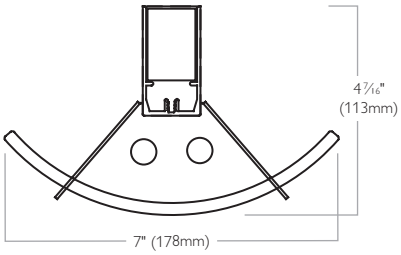
Module ordering information

SD	2		J				
Family	**Lamps**	**Length**	**Type**	**Wattage**	**Voltage**	**Finish**
SD	**2** = 2 Light	**4** = 4 ft **8** = 8 ft	**J** = Joiner	**28** = 28w **54** = 54w	**1** = 120v **2** = 277v	**W** = White **AL** = Aluminum

Silhouette SF series

Indirect/direct

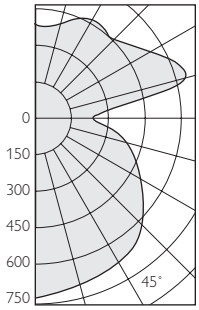
SF 2 Light T5 indirect/direct



Reference data

Report no:	LRL299-IH
Lamps:	2 F28T5
Lumens:	2900
Efficiency:	89.5%

Candlepower Curve



Features

Housing: Extruded aluminum. Die-cast end plate mechanically attached with no exposed fasteners.

Lamping: Two T5 (28 or 54 watt as specified) fluorescent lamps. Provided by others.

Electrical: Specify 120 volt or 277 volt. Color-coded quick connectors allow ease of connection for joiner modules. For special circuiting, consult factory. Ballast is class "P" electronic, class "A" sound rating, less than 10% THD, thermally protected, end of lamp life cutoff.

EM Pack: Available in 28W only.

Mountings: Cable suspension (not shown) – 4 1/2" diameter flat canopy finished enamel white, 1/16" diameter stainless steel aircraft cable adjustable up to 36", adjustable cable gripper.

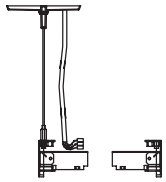
Finish: Powder coated baked white or aluminum enamel. Custom colors available, consult factory.

Options & accessories: L, T, X and Inline joiner blocks available.

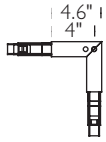
Approvals: Certified to UL, cUL, and CSA standards.

Mounting & joiner block accessories for SD and SF

Cable Assembly
SC36

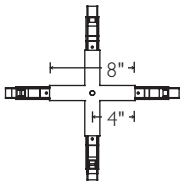


Power Feed End Set
SE36WH (white)
SE36AL (aluminum)

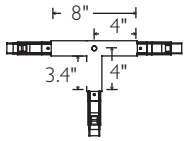


"L" Block with suspension
SL36WH (white)
SL36AL (aluminum)

12" Inline block available **(SI36WH or SI36AL)**



"X" Block with suspension
SX36WH (white)
SX36AL (aluminum)



"T" Block with suspension
ST36WH (white)
ST36AL (aluminum)

Silhouette blocks ship with one suspension cable.
No additional suspension is needed at the joint between the block and a fixture.

Suspended fixture ordering instructions:

Individual fixtures

1. Order one JOINER MODULE.
2. Order one END SET.
3. Order cable assembly.

Continuous rows

1. Determine run length.
2. Order the appropriate number of JOINER MODULES for the complete run.
3. Order one END SET per run.
4. Order cable assembly. (one per module in the run)

For complete product information please refer to brochure and specification sheets.

Module ordering information

SF	2		J			
Family	**Lamps**	**Length**	**Type**	**Wattage**	**Voltage**	**Finish**
SF	**2** = 2 Light	**4** = 4 ft **8** = 8 ft	**J** = Joiner	**28** = 28w **54** = 54w	**1** = 120v **2** = 277v	**W** = White **AL** = Aluminum

Silhouette 76 series

Features for suspended modules

Shielding: Series 76 is extruded opal lens Series 77 is a molded acrylic lens.

Lamp: 2 T5 linear fluorescent lamps in cross section. 28 or 54 watt (by others). Lamped from the top of the luminaire.

Top Reflector: Optional die-formed specular aluminum top reflector attaches to the top of the Series 76 housing directing the majority of the light down.

Electrical for wall and pendant

Ballast: Electronic and meets A.N.S.I. starting, end of life protection, T.H.D. and sound rating specifications.

Wiring: Standard module wiring harness has 3-conductor 18-gauge wire. Module includes a permanently installed plug and play cannon plug with a directional wiring harness pre-wired to customer specification. 2LT Cable and 1 LT wall can accommodate a ballast 1.25" wide by 1.2" high.

Dimming: Advance Mark X is standard for 54 watt applications. Use Advance compatible 2 wire control. No extra lead is required in the luminaire.

Emergency battery pack: 54 Watt: 390-700 Lumens for 90 minutes. 28 Watt: 370-520 Lumens for 90 minutes.

Dual Switching: Order DS option for separate switching of the lamp rows. DS option includes a 4th through wire.

Power Feed: Order X4 for standard module runs with an EM Battery Pack or Dual Switch options. Order X5 option for specified, 28 watt or DALI 54 watt dimming. Order X4 option for specified Lutron HiLume or ECO-10 54 Watt dimming. Consult factory for additional wiring conditions.

Mounting for suspended modules

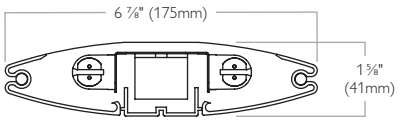
Cable suspension is on 4 or 8 foot centers and consists of a 4 1/2" diameter canopy finished white enamel and a 1/16" diameter stainless steel aircraft cable adjustable up to 36". Series 77 mounts on 4' centers only

Ordering instructions

Individual fixtures: Order one MODULE. Order one POWER FEED END SET.

Continuous Rows: Order the appropriate number of MODULES for the complete run. Order one POWER FEED END SET. Order one INTERMEDIATE CABLE SET per MODULE minus one. For runs that exceed amperage limits, order the appropriate number of INTERMEDIATE POWER CABLES.

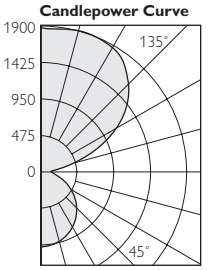
F7000-24 2 Light lens indirect/direct



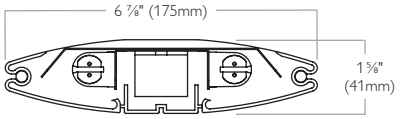
Distribution

Zone	Lumens	%Lamp	%Luminaire
0 - 90	2550	25.5	31.0
90 - 180	5581	56.1	69.0
0 - 180	8131	81.6	100.0

Candlepower Curve



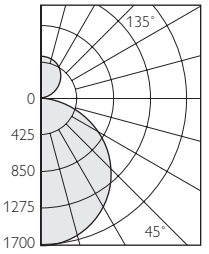
F7000-25 2 Light lens top reflector indirect/direct



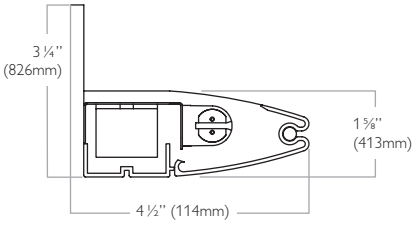
Distribution

Zone	Lumens	%Lamp	%Luminaire
0 - 90	5036	50.0	76.0
90 - 180	1557	16.0	24.0
0 - 180	6593	66.0	100.0

Candlepower Curve



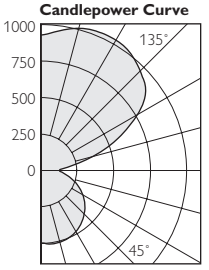
F7000-26 1 Light T5 lens wall mount indirect/direct



Distribution

Zone	Lumens	%Lamp	%Luminaire
0 - 90	1279	25.5	31.0
90 - 180	2790	56.1	69.0
0 - 180	4069	81.6	100.0

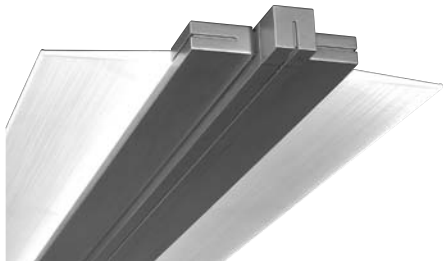
Candlepower Curve



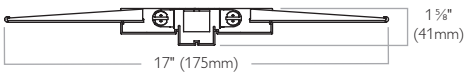
Module ordering information

Family	Lamps	Finish	Wattage	Voltage	Length	Options
F765 = Opal Lens Pendant	**1** = 1 Light	**WH** = White	**1** = 28w	**1** = 120v	**4** = 4 ft	**X4** = 4 through wires
FW765= Opal Lens Wall	**2** = 2 Light	**AL** = Aluminum	**2** = 54w	**2** = 277v		**X5** = 5 through wires
			3 = 28w Dimming			**X6** = 6 through wires
			4 = 28w EM			**DS** = Dual Switch
			5 = 54w Dimming			**TR** = Top Reflector
			6 = 54w EM			**T4** = TR + 4 wires
						T5 = TR + 5 wires
						TD = TR + Dual Switch

Silhouette 77 series



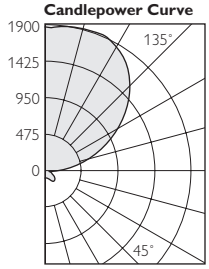
F7000-27 2 Light lens indirect/direct



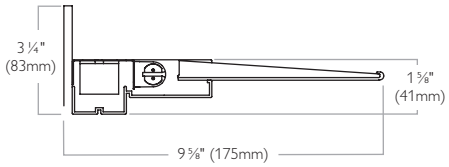
Distribution

Zone	Lumens	%Lamp	%Luminaire
0 - 90	571	6.0	8.0
90 - 180	6559	66.0	92.0
0 - 180	7129	71.0	100.0

Candlepower Curve



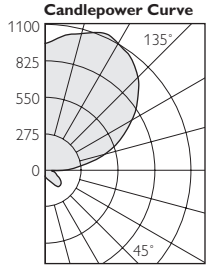
F7000-28 1 Light lens wall mount indirect/direct



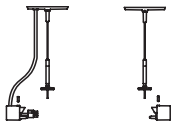
Distribution

Zone	Lumens	%Lamp	%Luminaire
0 - 90	1279	25.5	31.0
0 - 180	2790	56.1	69.0
0 - 180	4069	81.6	100.0

Candlepower Curve



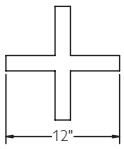
Pendant mounting accessories



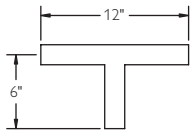
Power feed end set
S7EC36WH = White
S7EC36AL = Aluminum
S7EC36WHX4 = White 4 Wire
S7EC36ALX4 = Aluminum 4 Wire
S7EC36WHX5 = White 5 Wire
S7EC36ALX5 = Aluminum 5 Wire

Intermediate Power Cable
S7CC36 = 3 Wire
S7CC36X4 = 4 Wire

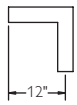
Intermediate Cable Set
S7C36



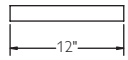
"X" Joiner Block
S7XWH = White
S7XAL = Aluminum



"T" Joiner Block
S7TWH = White
S7TAL = Aluminum



"L" Joiner Block
S7LWH = White
S7LAL = Aluminum



Inline Joiner Block
S7ILWH = White
S7ILAL = Aluminum

Module ordering information

Family	Lamps	Finish	Wattage	Voltage	Length	Options
F776 = Wedge Lens Pendant **FW776** = Wedge Lens Wall	**1** = 1 Light **2** = 2 Light	**WH** = White **AL** = Aluminum	**1** = 28w **2** = 54w **3** = 28w Dimming **4** = 28w EM **5** = 54w Dimming **6** = 54w EM	**1** = 120v **2** = 277v	**4** = 4 ft	**X4** = 4 through wires **X5** = 5 through wires **X6** = 6 through wires **DS** = Dual Switch **TR** = Top Reflector **T4** = TR + 4 wires **T5** = TR + 5 wires **TD** = TR + Dual Switch

Features for wall modules

Housing: High purity extruded aluminum, a portion being from recycled material. Finish is powder coat baked enamel and come standard in white or aluminum.

Housing end: Die-cast aluminum, welded to the housing. Finished to match housing. Contains the cannon plug power connection and Cable suspension system.

End cap: Die-cast aluminum.

Shielding: Series 76 is extruded opal lens. Series 77 is a molded acrylic lens.

Lamp: 1 T5 linear fluorescent lamps in cross section. 28 or 54 watt (by others). Lamped from the top of the luminaire.

Mounting for wall modules

Each module includes 2 wall-mounting brackets. Bracket hole pattern accommodates junction box (single gang box, rotated 90 degree) or other appropriate mounting method using customer supplied fasteners.

Ordering instructions

Individual fixtures: Order one MODULE. Order one END SET.

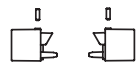
Continuous rows: Order the appropriate number of MODULES for the complete run. Order one END SET.

Finish

Powder coated White or Aluminum baked enamel. Custom colors are available, consult factory.

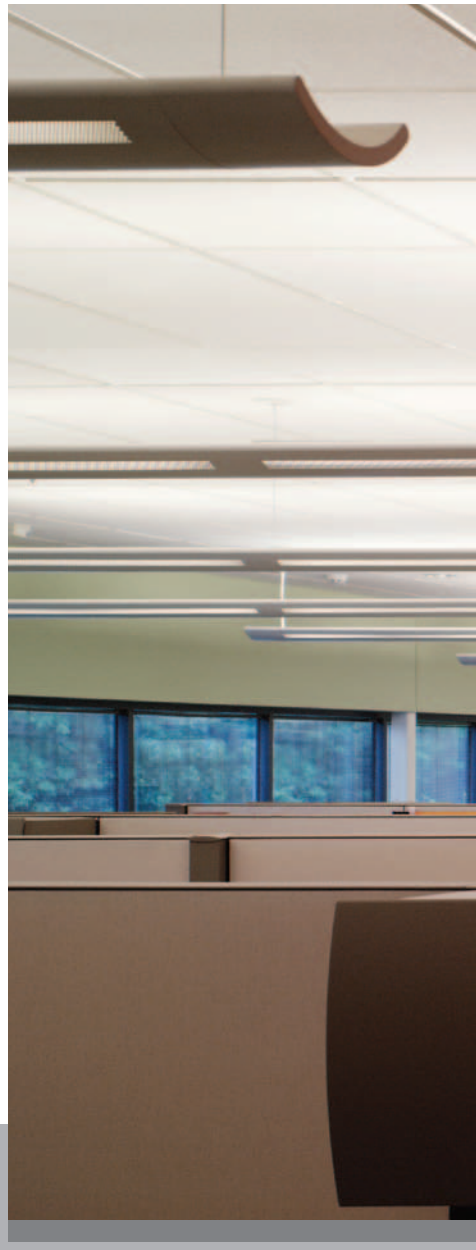
Approvals: Certified to UL, cUL, and CSA standards.

Wall mounting accessories



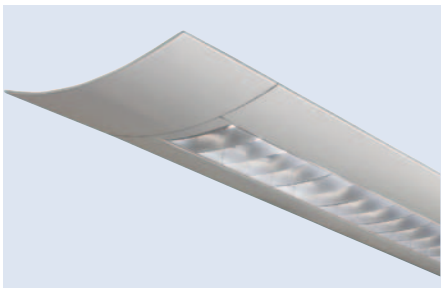
Wall mount end set
S7EWH = White
SW7EAL = Aluminum

Specification grade suspended and wall mounted systems



Contents

Energos > 5.46
LyteSpread > 5.54
LyteSpread Curved > 5.56
LyteSpread 9 Inch > 5.66
LyteSpread Elliptical > 5.76
RT6 > 5.86



Energos Louvered T8

Open top indirect/direct with 70% up and 30% down distribution

Features

Housing: 18 gauge steel. 6" cast aluminum End caps. No exposed fasteners or hardware.

Lamping: T5 or T8 fluorescent lamp. Lamps by Philips Lightolier as an option, see ordering information.

Reflector: Precision die-formed premium anti-iridescent, highly reflective anodized aluminum.

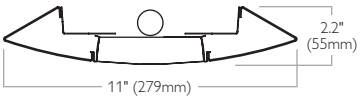
Louver: Parabolic louver, low iridescent semi-specular aluminum. 25° shielding lengthwise, blades are 1" tall and spaced 2.3" O.C. with a radius that matches the housing.

Mountings: Cable suspension is on 48" and 96" centers and consists of a 4 1/2" diameter canopy finished white enamel. A 1/16" diameter stainless steel aircraft cable accomplishes suspension and is adjustable from 12" to 36". Power feed is 18 gauge SJT white cord. For special circuiting consult factory.

Finish: Powder coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Approvals: Certified to UL, cUL, and CSA standards.

EG1-1



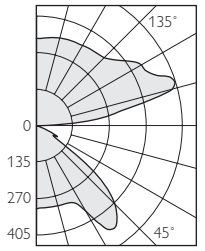
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	880	31.0	34.0
90-180	1708	60.0	66.0
0-180	2588	91.0	100.0

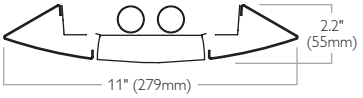
Reference data

Efficiency	91%
Up light	66%
Down light	34%
Peak CP	107.5°
Max/Zenith CP	1.66

Candlepower Curve



EG1-2



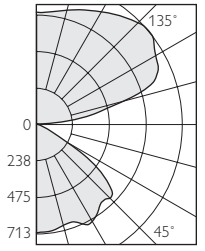
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1748	31.0	33.0
90-180	3534	60.0	67.0
0-180	5283	93.0	100.0

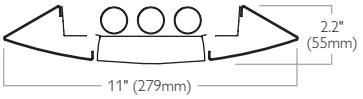
Reference data

Efficiency	93%
Up light	67%
Down light	33%
Peak CP	132.5°
Max/Zenith CP	1.30

Candlepower Curve



EG1-3



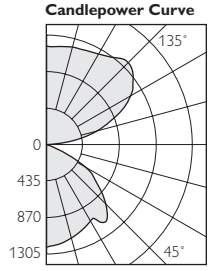
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2847	33.0	37.0
90-180	4860	57.0	63.0
0-180	7706	90.0	100.0

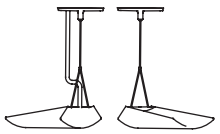
Reference data

Efficiency	90%
Up light	63%
Down light	37%
Peak CP	135°
Max/Zenith CP	1.18

Candlepower Curve



Energos suspensions



Power feed end sets

White	Aluminum	Cord
EG1EC36W	**EG1EC36A**	3 Wire
EG1EC36W4	**EG1EC36A4**	4 Wire
EG1EC36W5	**EG1EC36A5**	5 Wire

Cable/cord assemblies (power feeds)

White	Aluminum	Cord
ECC36	**ECC36A**	3 Wire
ECC36X4	**ECC36X4A**	4 Wire
ECC36X5	**ECC36X5A**	5 Wire

Cable assembly (no power feed)

EGC36

Note: All canopies 4 1/2" diameter and are supplied as white, unless otherwise specified. Cable suspension is 1/16" diameter stainless steel, field adjustable from 36" to 12".

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

EG1				L					
Family	**Lamping & distribution**	**Ballast**	**Lamp**	**Shielding**	**Length**	**Voltage**	**Finish**	**Options** (Blank)
EG1 = Energos	**1** = 1 Lamp Open Top **2** = 2 Lamp Open Top **3** = 3 Lamp Open Top **7** = 3T5-2 up 1 down	See ballast options chart	See lamp options chart	**P** = Parabolic louver	**4** = 4 Foot **8** = 8 Foot	**1** = 120V **2** = 277V	**A** = Alumin. **W** = White	**4** = 4 through wires **5** = 5 through wires **6** = 6 through wires **D** = Dual Switch **T** = Tandem Switch **E** = Emergency Pack

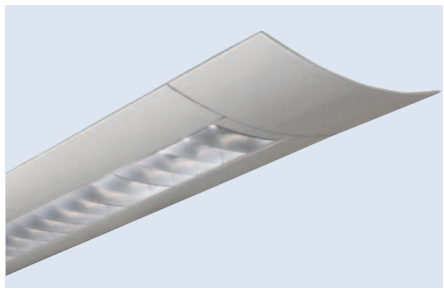
Constructing an Energos Run

A run of the Energos fixtures includes

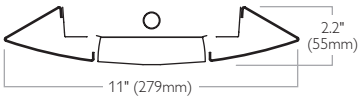
1. The appropriate number of modules.
2. One power feed end set per row, with the appropriate number of conductors.
3. One cable assembly per module, minus one, per row.
4. For individual fixture applications, order one module and one power feed end set.

Energos Louvered T5

Open top indirect/direct with 70% up and 30% down distribution



EG1-4



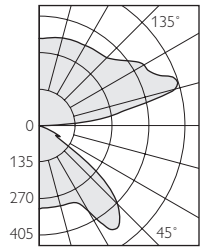
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1534	31.0	33.0
90-180	3134	63.0	67.0
0-180	4668	93.0	100.0

Reference data

Efficiency	94%
Up light	67%
Down light	33%
Peak CP	106°
Max/Zenith CP	1.91

Candlepower Curve



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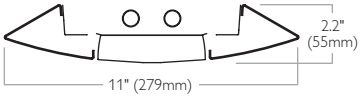


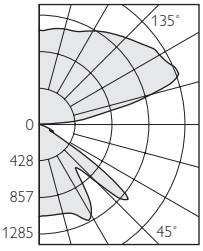
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2964	30.0	31.0
90-180	6466	65.0	69.0
0-180	9430	94.0	100.0

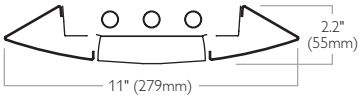
Reference data

Efficiency	94%
Up light	69%
Down light	31%
Peak CP	110°
Max/Zenith CP	1.58

Candlepower Curve



EG1-6



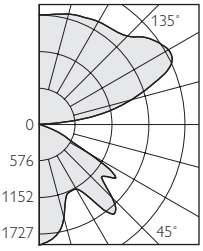
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	4467	30.0	33.0
90-180	9044	60.0	67.0
0-180	13511	90.0	100.0

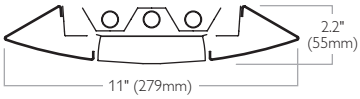
Reference data

Efficiency	90%
Up light	67%
Down light	33%
Peak CP	117.5°
Max/Zenith CP	1.36

Candlepower Curve



EG1-7



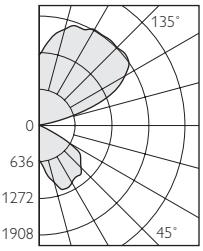
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3074	20.0	29.0
90-180	7431	50.0	71.0
0-180	10505	70.0	100.0

Reference data

Efficiency	70%
Up light	71%
Down light	29%
Peak CP	130°
Max/Zenith CP	1.70

Candlepower Curve



Electrical

Connections: Standard electrical connections are plug-and-play via 6-wire cannon plug connections.

Static Ballasts: Electronic, High Power Factor, Class A sound rating, Metal can.

Emergency battery pack: The battery packs operate for a minimum of 90 minutes via a rechargeable battery source. Emergency battery packs are available in the following outputs: 450 Lumens (Standard), 635 Lumens, 1100 Lumens and 1375 Lumens.

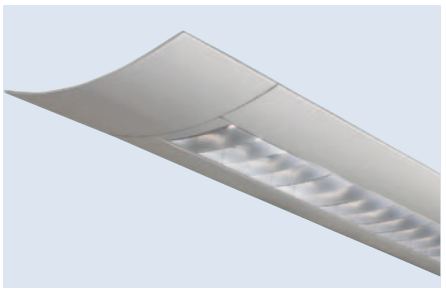
Dimming: T8 and T5 lamps are dimmed with two wire ballasts. T8 lamps can be dimmed down to 5% and T5 lamps can be dimmed down to 1%. A 5-wire power feed will be required for T5 (non-HO) dimming.

Energos ballast options

Code	Lamp Type	Ballast Type	Ballast Factor	THD
A	T8	Instant Start	0.78	<10%
B	T8	Instant Start	0.88	<10%
C	T8	Instant Start	1.2	<20%
F	T5	Program Start	1.0	<10%
G	T5HO	Program Start	1.0	<10%
H	T8	Dimming	1.0/.05	<10%
I	T5	Dimming	1.0/.01	<10%
J	T5HO	Dimming	1.0/.03	<10%
Z	T8	Instant Start	0.88	<20%

Energos lamp options

Code	Lamp Type	Wattage	Rated Lumens	Color
A	T8	28	2725	830
B	T8	28	2725	835
C	T8	28	2725	841
D	T8	30	2850	830
E	T8	30	2850	835
F	T8	30	2850	841
G	T8	32	3000	830
H	T8	32	3000	835
I	T8	32	3000	841
J	T8	32	3100	830
K	T8	32	3100	835
L	T8	32	3150	841
M	T5	28	2600	830
N	T5	28	2600	835
O	T5	28	2600	841
P	T5HO	54	4450	830
Q	T5HO	54	4450	835
R	T5HO	54	4450	841
Z	Lamps furnished by others			



Energos Louvered T8

Top reflector direct/Indirect with 20% up and 80% down distribution

Features

Housing: 18 gauge steel. 6" cast aluminum End caps. No exposed fasteners or hardware.

Lamping: T5 or T8 fluorescent lamp. Lamps by Philips Lightolier as an option, see ordering information.

Reflector: Precision die-formed premium anti-iridescent, highly reflective aluminum.

Louver: Parabolic louver, low iridescent semi-specular aluminum. 25° shielding lengthwise, blades are 1" tall and spaced 2.3" O.C. with a radius that matches the housing.

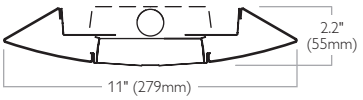
Top Reflector: Precision die-formed anti-iridescent, highly reflective aluminum.

Mountings: Cable suspension is on 48" and 96" centers and consists of a 4 1/2" diameter canopy finished white enamel. A 1/16" diameter stainless steel aircraft cable accomplishes suspension and is adjustable from 12" to 36". Power feed is 18 gauge SJT white cord. For special circuiting consult factory.

Finish: Powder coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Approvals: Certified to UL, cUL, and CSA standards.

EG1-1



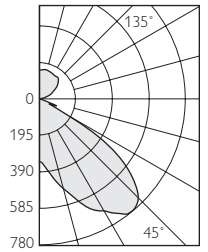
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1544	54.0	74.0
90-180	536	19.0	26.0
0-180	2081	73.0	100.0

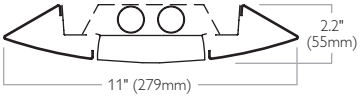
Reference data

Efficiency	73.0%
Up light	26%
Down light	74%
Peak CP	40°

Candlepower Curve



EG1-2



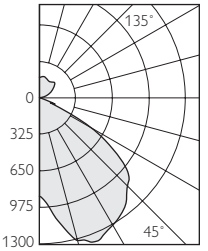
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3081	54.0	82.0
90-180	680	12.0	18.0
0-180	3761	66.0	100.0

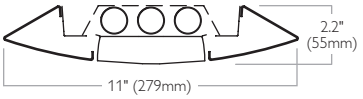
Reference data

Efficiency	66.0%
Up light	18%
Down light	82%
Peak CP	22.5°

Candlepower Curve



EG1-3



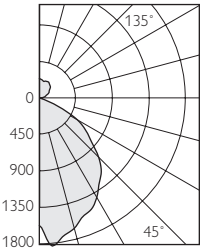
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3783	43.0	81.0
90-180	864	10.0	19.0
0-180	4647	53.0	100.0

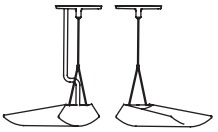
Reference data

Efficiency	53.4%
Up light	19%
Down light	81%
Peak CP	5°

Candlepower Curve



Energos suspensions



Power feed end sets

White	Aluminum	Cord
EG1EC36W	**EG1EC36A**	3 Wire
EG1EC36W4	**EG1EC36A4**	4 Wire
EG1EC36W5	**EG1EC36A5**	5 Wire

Cable/cord assemblies (power feeds)

White	Aluminum	Cord
ECC36	**ECC36A**	3 Wire
ECC36X4	**ECC36X4A**	4 Wire
ECC36X5	**ECC36X5A**	5 Wire

Cable assembly (no power feed)

EGC36

Note: All canopies 4 1/2" diameter and are supplied as white, unless otherwise specified. Cable suspension is 1/16" diameter stainless steel, field adjustable from 36" to 12".

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

EG1				L					
Family	**Lamping & distribution**	**Ballast**	**Lamp**	**Shielding**	**Length**	**Voltage**	**Finish**	**Options** (Blank)
EG1 = Energos	**4** = 1 Lamp Slotted Reflector **5** = 2 Lamp Slotted Reflector **6** = 3 Lamp Slotted Reflector **8** = 3T5-1 up 2 down	See ballast options chart	See lamp options chart	**P** = Parabolic louver	**4** = 4 Foot **8** = 8 Foot	**1** = 120V **2** = 277V	**A** = Alumin. **W** = White	**4** = 4 through wires **5** = 5 through wires **6** = 6 through wires **D** = Dual Switch **T** = Tandem Switch **E** = Emergency Pack

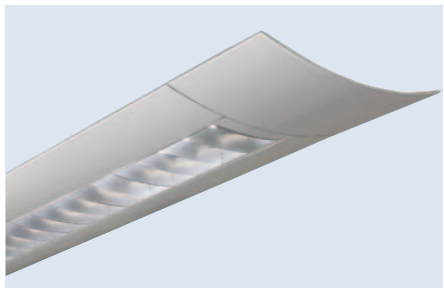
Constructing an Energos Run

A run of the Energos fixtures includes

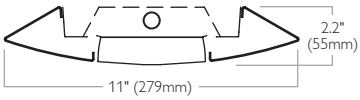
1. The appropriate number of modules.
2. One power feed end set per row, with the appropriate number of conductors.
3. One cable assembly per module, minus one, per row.
4. For individual fixture applications, order one module and one power feed end set.

Energos Louvered T5

Top reflector direct/Indirect with 20% up and 80% down distribution



EG1-4



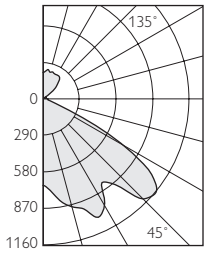
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1739	60.0	82.0
90-180	393	14.0	18.0
0-180	2132	74.0	100.0

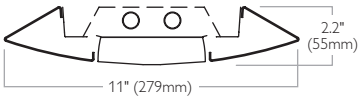
Reference data

Efficiency	73.5%
Up light	18%
Down light	82%
Peak CP	55°

Candlepower Curve



EG1-5



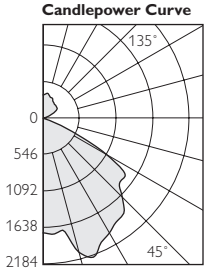
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3336	58.0	82.0
90-180	728	13.0	18.0
0-180	4064	70.0	100.0

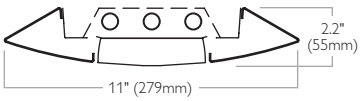
Reference data

Efficiency	70.1%
Up light	18%
Down light	82%
Peak CP	20°

Candlepower Curve



EG1-6



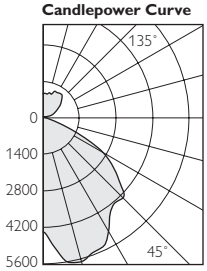
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	8842	59.0	78.0
90-180	2426	16.0	22.0
0-180	11267	75.0	100.0

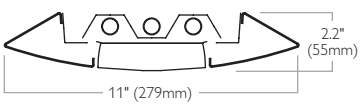
Reference data

Efficiency	75.1%
Up light	22%
Down light	78%
Peak CP	15°

Candlepower Curve



EG1-7



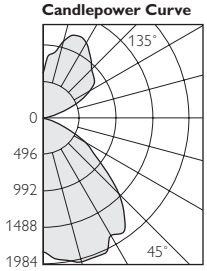
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	5478	37.0	58.0
90-180	3892	26.0	42.0
0-180	9370	62.0	100.0

Reference data

Efficiency	62.5%
Up light	42%
Down light	50%
Peak CP	25°

Candlepower Curve



Electrical

Connections:. Standard electrical connections are plug-and-play via 6-wire cannon plug connections.

Static Ballasts: Electronic, High Power Factor, Class A sound rating, Metal can.

Emergency battery pack: The battery packs operate for a minimum of 90 minutes via a rechargeable battery source. Emergency battery packs are available in the following outputs: 450 Lumens (Standard), 635 Lumens, 1100 Lumens and 1375 Lumens.

Dimming: T8 and T5HO lamps are dimmed with two wire ballasts. T8 lamps can be dimmed down to 5% and T5 lamps can be dimmed down to 1%. A 5-wire power feed will be required for T5 (non-HO) dimming.

Energos ballast options

Code	Lamp Type	Ballast Type	Ballast Factor	THD
A	T8	Instant Start	0.78	<10%
B	T8	Instant Start	0.88	<10%
C	T8	Instant Start	1.2	<20%
F	T5	Program Start	1.0	<10%
G	T5HO	Program Start	1.0	<10%
H	T8	Dimming	1.0/.05	<10%
I	T5	Dimming	1.0/.01	<10%
J	T5HO	Dimming	1.0/.03	<10%
Z	T8	Instant Start	0.88	<20%

Energos lamp options

Code	Lamp Type	Wattage	Rated Lumens	Color
A	T8	28	2725	830
B	T8	28	2725	835
C	T8	28	2725	841
D	T8	30	2850	830
E	T8	30	2850	835
F	T8	30	2850	841
G	T8	32	3000	830
H	T8	32	3000	835
I	T8	32	3000	841
J	T8	32	3100	830
K	T8	32	3100	835
L	T8	32	3150	841
M	T5	28	2600	830
N	T5	28	2600	835
O	T5	28	2600	841
P	T5HO	54	4450	830
Q	T5HO	54	4450	835
R	T5HO	54	4450	841
Z	Lamps furnished by others			

Energos Lensed T8

Open top indirect/direct with 80% up and 20% down distribution

Features

Housing: 18 gauge steel. 6" cast aluminum End caps. No exposed fasteners or hardware.

Lamping: T5 or T8 fluorescent lamp. Lamps by Philips Lightolier as an option, see ordering information.

Reflector: Precision die-formed premium anti-iridescent, highly reflective aluminum.

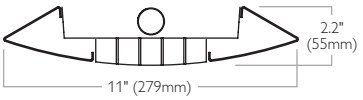
Lens: Clear plastic 5-cell honeycomb lens with linear prismatic face, and radius that matches housing.

Mountings: Cable suspension is on 48" and 96" centers and consists of a 4 1/2" diameter canopy finished white enamel. A 1/16" diameter stainless steel aircraft cable accomplishes suspension and is adjustable from 12" to 36". Power feed is 18-gauge SJT white cord. For special circuiting consult factory.

Finish: Powder coated, baked enamel, white or aluminum, as specified. Custom colors available, consult factory.

Approvals: Certified to UL, cUL, and CSA standards.

EG1-8



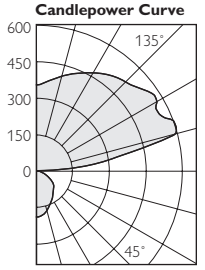
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	437	15.0	17.0
90-180	2126	75.0	83.0
0-180	2564	90.0	100.0

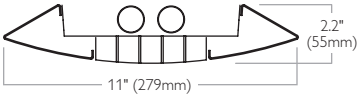
Reference data

Efficiency	90.0%
Up light	83%
Down light	17%
Peak CP	107.5°
Max/Zenith CP	1.71

Candlepower Curve



EG1-9



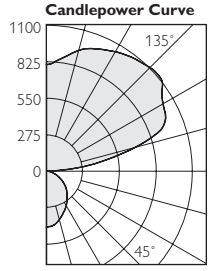
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	966	17.0	19.0
90-180	4108	72.0	81.0
0-180	5074	89.0	100.0

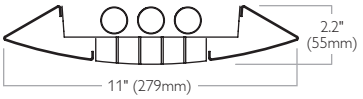
Reference data

Efficiency	89.0%
Up light	81%
Down light	19%
Peak CP	130°
Max/Zenith CP	1.39

Candlepower Curve



EG1-10



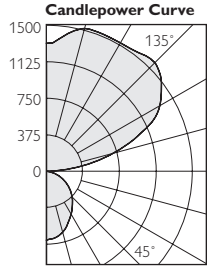
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1666	19.0	22.0
90-180	5803	68.0	78.0
0-180	7469	87.0	100.0

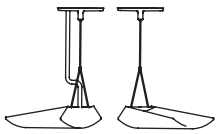
Reference data

Efficiency	87.4%
Up light	78%
Down light	22%
Peak CP	135°
Max/Zenith CP	1.20

Candlepower Curve



Energos suspensions



Power feed end sets

White	Aluminum	Cord
EG1EC36W	**EG1EC36A**	3 Wire
EG1EC36W4	**EG1EC36A4**	4 Wire
EG1EC36W5	**EG1EC36A5**	5 Wire

Cable/cord assemblies (power feeds)

White	Aluminum	Cord
ECC36	**ECC36A**	3 Wire
ECC36X4	**ECC36X4A**	4 Wire
ECC36X5	**ECC36X5A**	5 Wire

Cable assembly (no power feed)

EGC36

Note: All canopies 4 1/2" diameter and are supplied as white, unless otherwise specified. Cable suspension is 1/16" diameter stainless steel, field adjustable from 36" to 12".

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

EG1				L				
Family	**Lamping & distribution**	**Ballast**	**Lamp**	**Shielding**	**Length**	**Voltage**	**Finish**	**Options** (Blank)
EG1 = Energos	**1** = 1 Lamp Open Top **2** = 2 Lamp Open Top **3** = 3 Lamp Open Top	See ballast options chart	See lamp options chart	**L** = Duplex Lens	**4** = 4 Foot **8** = 8 Foot	**1** = 120V **2** = 277V	**A** = Alumin. **W** = White	**4** = 4 through wires **5** = 5 through wires **6** = 6 through wires **D** = Dual Switch **T** = Tandem Switch **E** = Emergency Pack

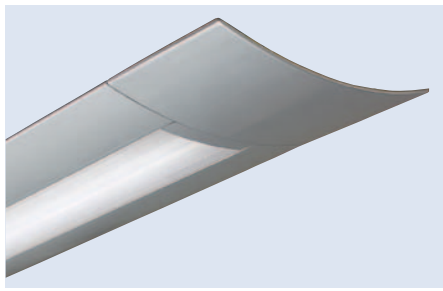
Constructing an Energos Run

A run of the Energos fixtures includes

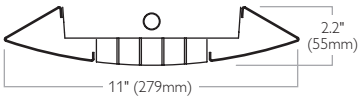
1. The appropriate number of modules.
2. One power feed end set per row, with the appropriate number of conductors.
3. One cable assembly per module, minus one, per row.
4. For individual fixture applications, order one module and one power feed end set.

Energos Lensed T5

Open top indirect/direct with 80% up and 20% down distribution



EG1-11



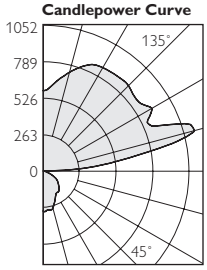
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	710	14.0	16.0
90-180	3838	77.0	84.0
0-180	4548	91.0	100.0

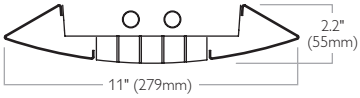
Reference data

Efficiency	91.0%
Up light	77%
Down light	14%
Peak CP	105°
Max/Zenith CP	1.95

Candlepower Curve



EG1-12



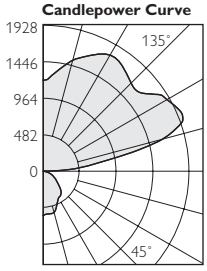
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1497	15.0	16.0
90-180	7756	78.0	84.0
0-180	9253	93.0	100.0

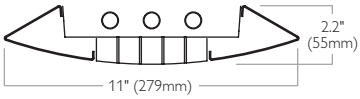
Reference data

Efficiency	92.5%
Up light	84%
Down light	16%
Peak CP	112.5°
Max/Zenith CP	1.65

Candlepower Curve



EG1-13



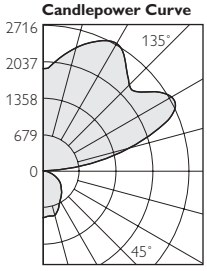
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2385	16.0	18.0
90-180	11152	74.0	82.0
0-180	13536	90.0	100.0

Reference data

Efficiency	90.2%
Up light	82%
Down light	18%
Peak CP	117.5°
Max/Zenith CP	1.46

Candlepower Curve



Electrical

Connections:. Standard electrical connections are plug-and-play via 6-wire cannon plug connections.

Static ballasts: Electronic, High Power Factor, Class A sound rating, Metal can.

Emergency battery pack: The battery packs operate for a minimum of 90 minutes via a rechargeable battery source. Emergency battery packs are available in the following outputs: 450 Lumens (Standard), 635 Lumens, 1100 Lumens and 1375 Lumens.

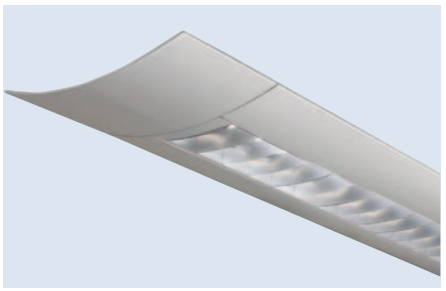
Dimming: T8 and T5HO lamps are dimmed with two wire ballasts. T8 lamps can be dimmed down to 5% and T5 lamps can be dimmed down to 1%. A 5-wire power feed will be required for T5 (non-HO) dimming.

Energos ballast options

Code	Lamp Type	Ballast Type	Ballast Factor	THD
A	T8	Instant Start	0.78	<10%
B	T8	Instant Start	0.88	<10%
C	T8	Instant Start	1.2	<20%
F	T5	Program Start	1.0	<10%
G	T5HO	Program Start	1.0	<10%
H	T8	Dimming	1.0/.05	<10%
I	T5	Dimming	1.0/.01	<10%
J	T5HO	Dimming	1.0/.03	<10%
Z	T8	Instant Start	0.88	<20%

Energos lamp options

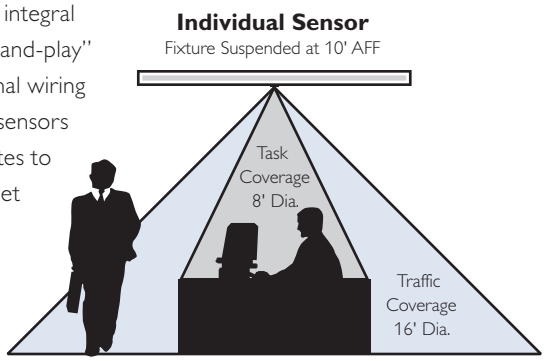
Code	Lamp Type	Wattage	Rated Lumens	Color
A	T8	28	2725	830
B	T8	28	2725	835
C	T8	28	2725	841
D	T8	30	2850	830
E	T8	30	2850	835
F	T8	30	2850	841
G	T8	32	3000	830
H	T8	32	3000	835
I	T8	32	3000	841
J	T8	32	3100	830
K	T8	32	3100	835
L	T8	32	3150	841
M	T5	28	2600	830
N	T5	28	2600	835
O	T5	28	2600	841
P	T5HO	54	4450	830
Q	T5HO	54	4450	835
R	T5HO	54	4450	841
Z	Lamps furnished by others			



Energos control system

Indirect/direct architectural profiles

The Energos Control System (ECS) of integral occupancy sensors provides the "plug-and-play" control that performs without additional wiring or on-site commissioning. Occupancy sensors have a field adjustability from 30 minutes to 30 seconds. Sensors can also be field set so that luminaires will not re-energize when sufficient daylight is present. To order fixtures with ECS functionality, simply follow the same ordering guidelines set forth on the previous pages, with a few alterations shown on the next page.



Daylight Harvesting now available.
Contact the factory for details.

Features

Occupancy sensing: Turning lights off when they are not needed is a fundamental strategy for Energy Smart Lighting. Where occupancy patterns are irregular, occupancy-based controls are a better choice than time-of-day switching. However, most occupancy controls require separate sensors as well as careful layout and commissioning to assure effective results, all of which adds cost and complexity. The Energos Control System (ECS) is different.

Sensors are built In: Energos ECS incorporates the entire occupancy sensing system directly into the luminaires. No additional installation or wiring Is needed with the basic ECS approach. The occupancy sensors and power pack are wired within the fixtures. The connections are made automatically when the Energos modules are joined together. ECS is thus truly "plug and play" with significant savings over "component" approaches.

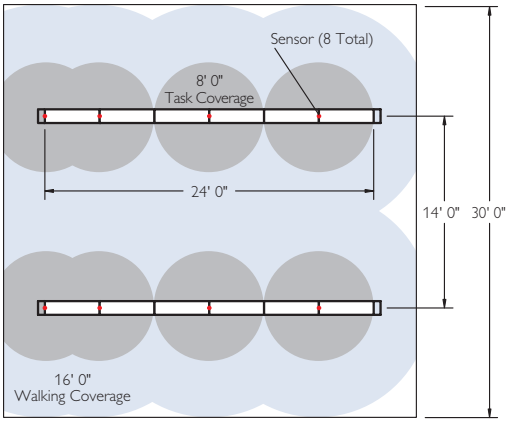
Effective coverage: The Energos ECS sensors use passive infrared technology and require direct line of sight to the controlled space. Located in the middle of 8' luminaire modules and End caps, the sensors provide overlapping coverage for both fine motion in task areas and large motion in traffic areas.

Energos ballast options

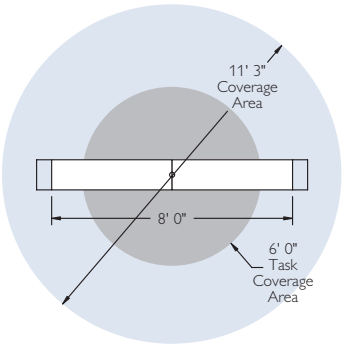
Code	Lamp Type	Ballast Type	Ballast Factor	THD
A	T8	Instant Start	0.78	<10%
B	T8	Instant Start	0.88	<10%
C	T8	Instant Start	1.2	<20%
F	T5	Program Start	1.0	<10%
G	T5HO	Program Start	1.0	<10%
H	T8	Dimming	1.0/.05	<10%
I	T5	Dimming	1.0/.01	<10%
J	T5HO	Dimming	1.0/.03	<10%
Z	T8	Instant Start	0.88	<20%

Energos lamp options

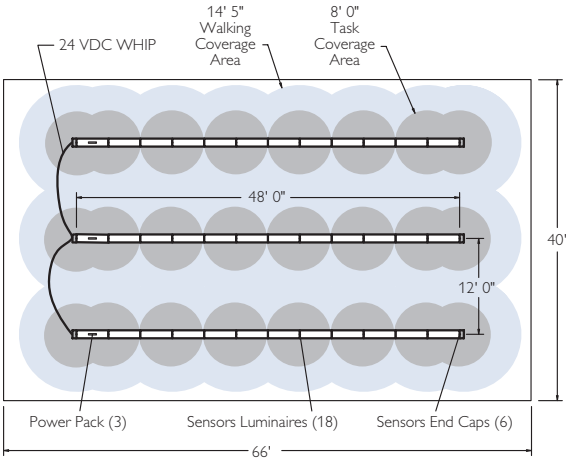
Code	Lamp Type	Wattage	Rated Lumens	Color
A	T8	28	2725	830
B	T8	28	2725	835
C	T8	28	2725	841
D	T8	30	2850	830
E	T8	30	2850	835
F	T8	30	2850	841
G	T8	32	3000	830
H	T8	32	3000	835
I	T8	32	3000	841
J	T8	32	3100	830
K	T8	32	3100	835
L	T8	32	3150	841
M	T5	28	2600	830
N	T5	28	2600	835
O	T5	28	2600	841
P	T5HO	54	4450	830
Q	T5HO	54	4450	835
R	T5HO	54	4450	841
Z	Lamps furnished by others			



Spaces where work groups have distinctly different schedules: Each row of Energos ECS is separately controlled and responds to the occupancy patterns of the workers under it.



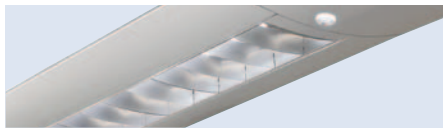
A single 8' Energos ECS luminaire provides effective sensor coverage for both task and traffic motion.



The ECS rows have been networked so that all lights stay on when any part of the area is occupied. Also applies to office area with common schedule.

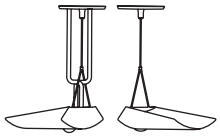
Energos control system

Indirect/direct architectural profiles



Energos ECS power feed end sets

End Sets can be ordered to include their own Sensor(s), thus extending the run's sensing capabilities out into the adjacent traffic area.



Standard (Discrete)

No Sensor	Single Sensor	Dual Sensor
EG1EC36W	EC1SE36W	EC1DE36W
EG1EC36W4	EC1SE36W4	EC1DE36W4
EG1EC36W5	EC1SE36W5	EC1DE36W5

Serial Row Linking

No Sensor	Single Sensor	Dual Sensor
EC1ER36W	EC1SR36W	EC1DR36W
EC1ER36W4	EC1SR36W4	EC1DR36W4
EC1ER36W5	EC1SR36W5	EC1DR36W5

Note: Energos ECS uses the standard Energos Cable Assembly (support only) and Cable/Cord (supplemental power feed).

Constructing an Energos ECS run

A continuous row includes:

1. One master module for up to 5 Amps of load (600W at 120V and 1300W at 277V).
2. Additional modules, as appropriate for the run.
3. One power feed end set per row, with desired sensor configuration and the appropriate wires.
4. One cable assembly per module, minus one, per row.
5. For long runs that exceed the amperage of the power feed end set, provide additional cable/cord assemblies, as needed. A single power feed can serve multiple master modules, subject to the capacity of the power feed cord.
6. Layout tip: Provide sufficient sensors for coverage, recognizing luminaire location, as well as task and traffic areas. Sensors in luminaire end caps may look into traffic zones and keep luminaires on when task areas are not occupied.

Typical Energos ECS layouts*

4' ECS: 4' Master Module + 1-Sensor End Set.
Coverage at 10': 16' diameter

8' ECS: 8' Master Module + No-Sensor End Set.
Coverage at 10': 16' diameter

8' ECS: 8' Master Module + 2-Sensor End Set.
Coverage at 10': 16' x 24'

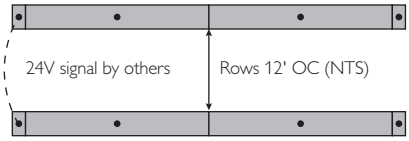
12' ECS: 8' Master Module + 4' Slave Module + 2-Sensor End Set.
Coverage at 10': 16' x 28'

16' ECS: 8' Master Module + 8' EC Slave Module + No-Sensor End Set.
Coverage at 10': 16' x 24'

16' ECS: 8' Master Module + 8' EC Slave Module + 1-Sensor End Set.
Coverage at 10': 16' x 28' (offset)

16' ECS: 8' Master Module + 8' EC Slave Module + 2-Sensor End Set.
Coverage at 10': 16' x 32'

2 16' ECS Rows: Two 8' Master Modules + Two 8' Slave Modules + Two 2-Sensor SRL End Sets.
Coverage at 10': 28' x 32'



* Coverage for traffic (large motion). See fold out for details.

Ordering information

EC1

Family
EC1 = ECS

Note the change from code EG to EC.

Lamping & distribution
1 = 1 lamp, open top
2 = 2 lamp, open top
3 = 3 lamp, open top
4 = 1 lamp, slotted reflector
5 = 2 lamp, slotted reflector
6 = 3 lamp, slotted reflector
7 = 3 lamp, 2up 1 down*
8 = 3 lamp, 2up 1 down*
*Segregated, T5 only

Ballast
See ballast options chart

Lamp
See lamp options chart

Be sure to reference the ballast and lamp options charts for ECS ballast options.

Shielding
P = Parabolic louver
L = Duplex Lens

Length
4 = 4 Foot
8 = 8 Foot

Voltage
6 = 120 VAC Master
7 = 277 VAC Master
8 = 120 VAC Slave
9 = 277 VAC Slave

ECS fixtures can be ordered as Master or Slave
4' Master: Includes Power Pack
4' Slave: ECS through wires only
8' Master: Power Pack and Sensor
8' Slave: Sensor only

Finish
A = Alumin.
W = White

Options (Blank)
4 = 4 through wires
5 = 5 through wires
6 = 6 through wires
D = Dual Switch
T = Tandem Switch
E = Emergency Pack

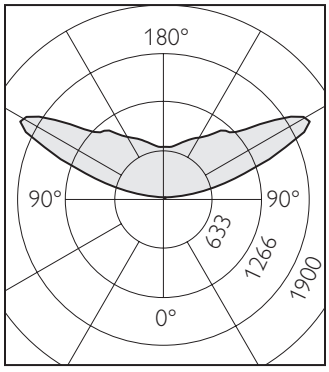
LyteSpread Performance

Much attention has been placed on the quality of light to improve worker performance and not just the quantity. Studies have shown that poor lighting increases fatigue, eye strain and low energy levels because of shadows and glare. LyteSpread provides a smooth expansive area of light designed to overcome these problems. It is a high performance line of linear fluorescent products available in indirect and bi-directional distributions. There are three distinct housing styles that include a 9" x 2½" rectangle, a 9" crescent and an 11" oval shape. The most dominant characteristic in LyteSpread is the performance of the luminaire.

Whether your application calls for T8 or T5 lamps, LyteSpread provides efficiencies in the 80 to 90 percentile. It's just as important to have high efficiency as it is to put the light exactly where it's needed. Low peek candela angles distribute the light out to the sides of the luminaire rather than straight up to the ceiling or down to the surface. If the horizontal angle is 90 degrees, LyteSpread Curved has peek candela angles as low as 25 degrees above horizontal. This kind of performance allows for an average of 45 foot candles on the work surface when 1 light T5HO fixtures are mounted as close as 12" from an 8' tall ceiling and placed in runs on 12' centers.

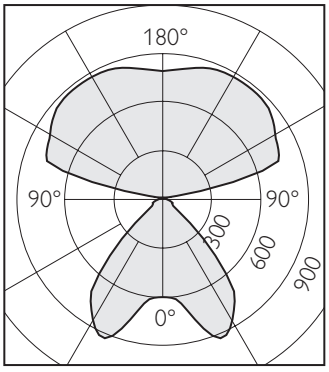
The housings are minimal in cross-section and aesthetically pleasing in appearance. They are made from skillfully designed, clean-lined aluminum extrusions. The connections between the housings are made by means of a concealed locking mechanism that provides a hairline joint in continuous row applications. Shielding includes perforations, slots and louvers. There are optional downlighting kits to direct more light to the work surface and optional dust covers.

Candlepower Curve



Indirect systems offer wide distribution for softer light, lower ceiling contrast and less glare.

Candlepower Curve



Bi-directional fixtures brighten ceilings and increased foot candles on the work surface.

	Efficiencies			Distribution
	1 Light T5	2 Light T5	2 Light T8	Up/Down light
LyteSpread Curve Indirect	91.9%	85.9%	86.1%	99/1
LyteSpread Curve Louver	90.7%	87.8%	89.8%	70/30
LyteSpread Elliptical	94.4%	90.8%	90.4%	65/35
LyteSpread 9 Inch	94.4%	90.8%	90.4%	65/35

LyteSpread Daylight Harvesting System (DHS)

Daylight controls have a major role in reducing energy costs and increasing productivity. In theory, it should be quite simple: increase daylight, reduce electric light, save energy and save money. In practice, however, the benefits of daylight controls have often been overshadowed by their shortcomings. They're too expensive, they're complicated to specify and difficult to commission. Philips Lightolier's Daylight Harvesting System (DHS) improves the difficulties associated with traditional daylight sensors. Integrated across the LyteSpread line of luminaires, DHS is extremely affordable and simple to install and commission.

Sensor specifications

Ballast control: Electronic dimming ballast using 0- 10VDC control signal. Controls up to 20 dimming ballasts.
Operating voltage: +1.5V to +10.5V control input to ballast. Control voltage variation is less than 0.5V.
Dimming performance: Sensor compensates for approximately 50% of additional daylight by dimming the luminaire until the minimum light output at 1.5V is reached. Light output at 1.5V may vary depending on ballast used.
Calibration: Factory calibrated to a set-point of 45 footcandles (fc), adjustable by 1/3 to 3 times the default setting by rotating the aperture.
Optical: Assuming standard room reflectances (80/50/20), a light level of 45fc on a work surface 2'6" high will result in approximately 2.5fc seen by the photosensor at 8'.
Environmental condition: Ambient temperature 41-131°F (5- 55°C). Relative humidity 15-90%.
Replacement: Sensor is field-replaceable.
Approvals: Certified to UL and CSA standards. Title 24 listed.

How to specify

Step 1: Chose any one of the LyteSpread products. All three of them will accommodate the Daylight Harvesting System (DHS).
Step 2: Add a two letter code to the end of the Catalog number you specify.
Step 3: Design your layout using the tools provided in the LyteSpread specification sheets. These can be found on the Philips Lightolier web site.

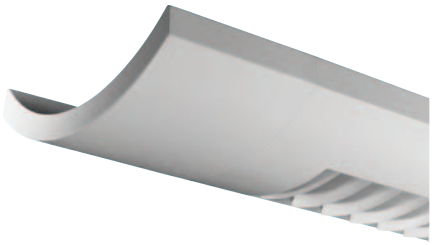
Installation

Just plug in the fixture. Late-night commissioning and costly third-party installers are a thing of the past. Daylight Harvesting System sensors are completely integrated in the luminaire and optimized for most typical lighting applications right out of the box. The sensors are factory pre-calibrated to 45fc assuming standard reflectances (80/50/20), ceiling heights (8'-10') and work surfaces (2'-6").

Commissioning

If the unique demands of the space or personal preferences of occupants require some fine-tuning, sensor settings can be easily adjusted onsite. Simply rotate the aperture until the desired light level is achieved. The aperture can be set within a range of one-third to three times the 45fc default set-point (approx 15-135fc). If the sensors ever need to be set back to their default setting, users can simply rotate the aperture until it clicks back into place.

LyteSpread Curve white louver



Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: Available in 1, 2 or 3 light T5 and T5HO or 2 or 3 light T8

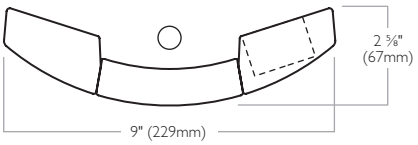
Optical system: Direct/Indirect: Constructed of 96% reflective white steel and specular aluminum to produce a direct/indirect distribution. White baffles are spaced 1-5/16" apart. Standard distribution is 70% up and 30% down. Optional field-installable Variable Optics kits provide additional downlight as required.

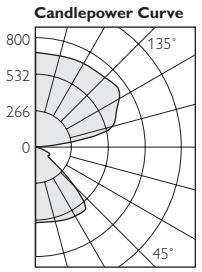
Endcaps: Available with die-cast sculptured endcaps that add 10" to the overall run length.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

Mounting: Fixture uses 1/16" steel sling-mounted aircraft cable for horizontal leveling. Aircraft cable gripper provides continuous vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

LC06H01WN 1LT T5H0

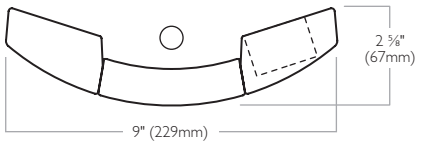


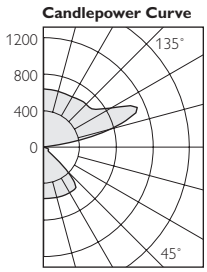


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1147.9	24.7	27.2
90-180	3066.6	65.9	72.8
0-180	4214.5	90.6	100.0

LC07H01WN 1LT T5H0 High performance

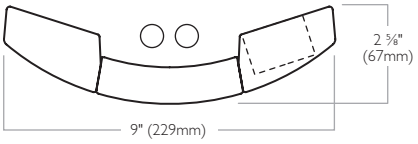


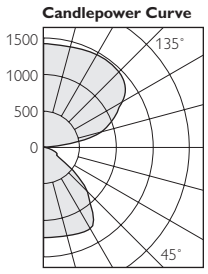


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1111.9	23.9	26.3
90-180	3109.7	66.9	73.7
0-180	4221.6	90.8	100.0

LC06H02WN 2LT T5H0



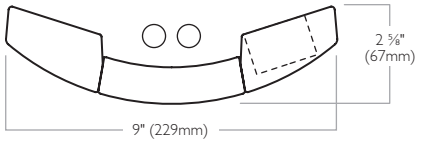


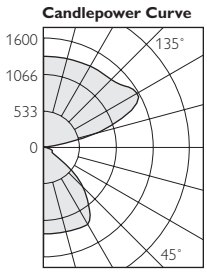
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2471.4	26.6	29.4
90-180	5803.8	62.4	70.1
0-180	8275.2	89.0	100.0

Available in T5 standard output.

LC07H02WN 2LT T5HO High performance



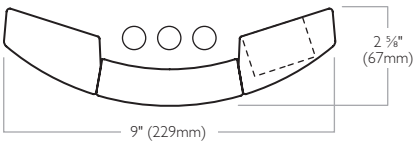


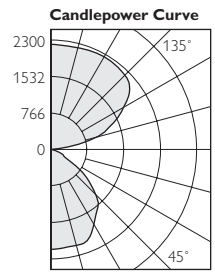
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2444.3	26.3	29.9
90-180	5722.5	61.5	70.1
0-180	8166.8	87.8	100.0

Available in T5 standard output.

LC06H03WN 3LT T5H0



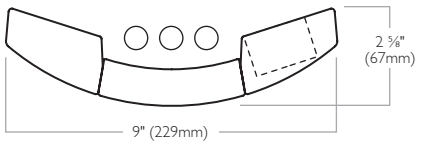


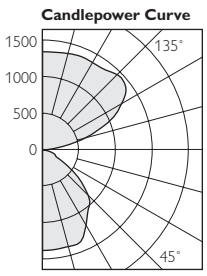
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	4005.9	28.7	31.9
90-180	8551.4	61.3	68.1
0-180	12557.3	90.0	100.0

Available in T5 standard output.

LC07F03WN 2LT T5 High performance





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2563.7	29.5	32.6
90-180	5295.1	60.9	67.4
0-180	7858.8	90.4	100.0

LyteSpread Curve white louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard textured matte white finish and a selection of other factory and customer specified colors. Consult factory for details.

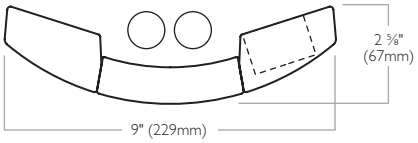
Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

Mount type

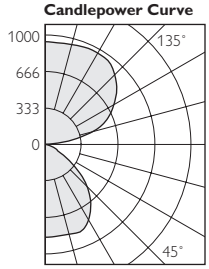
Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

LC06T02WN 2LT T8



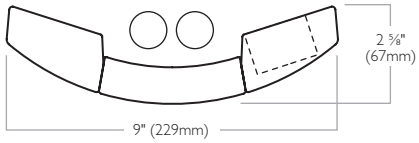
Candlepower Curve



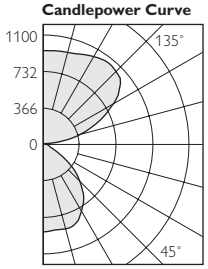
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1657.6	28.1	31.4
90-180	3627.3	61.5	68.6
0-180	5284.9	89.6	100.00

LC07T02WN 2LT T8 High performance



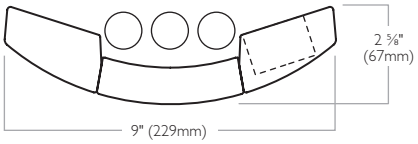
Candlepower Curve



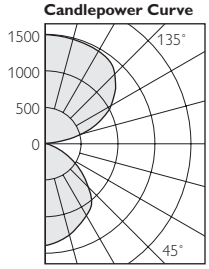
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1049.5	17.8	19.8
90-180	3661.3	62.1	69.1
0-180	5299.1	89.8	100.00

LC06T03WN 3LT T8



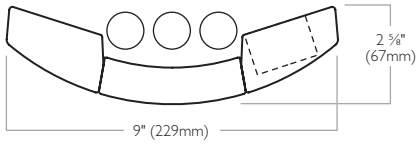
Candlepower Curve



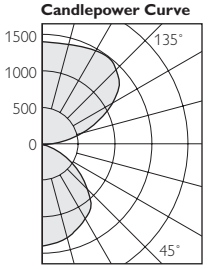
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2527.2	28.6	32.3
90-180	5306.7	60.0	67.7
0-180	7833.9	88.5	100.00

LC07T03WN 3LT T8 High performance



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2573.7	29.1	33.1
90-180	5198.1	58.7	66.9
0-180	7771.8	87.8	100.00

Additional information

Upper Optic Options

D 60% Down Kit

G 80% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

Z 1 Down / 2 Up

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LC			W						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LC	**06** = Standard Performance Dir/Ind **07** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**W** = White Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12 Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread Curve silver louver

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: Available in 1, 2 or 3 light T5 and T5HO or 2 or 3 light T8

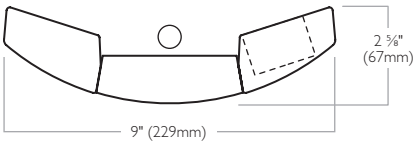
Optical system: Direct/Indirect: Constructed of 96% reflective white steel and specular aluminum to produce a direct/indirect distribution. Semi-specular louvers are aluminum and spaced 1-7/16" apart. Standard distribution is 70% up and 30% down. Optional field-installable Variable Optics kits provide additional downlight as required.

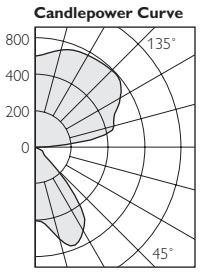
Endcaps: Available with die-cast sculptured endcaps that add 10" to the overall run length.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

Mounting: Fixture uses 1/16" steel sling-mounted aircraft cable for horizontal leveling. Aircraft cable gripper provides continuous vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

LC06H01PN 1LT T5H0

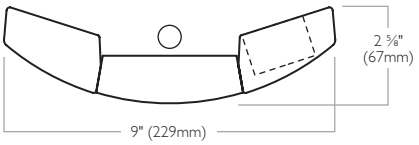


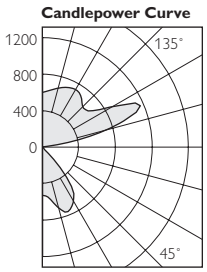


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1110.8	23.9	26.2
90-180	3122.9	67.2	73.8
0-180	4233.7	91.0	100.0

LC07H01PN 1LT T5H0 High performance

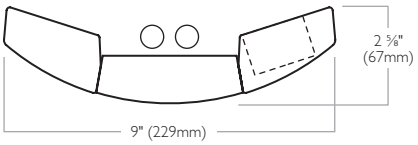


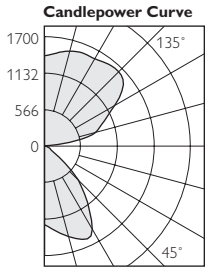


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1061.3	22.8	25.8
90-180	3052.3	65.6	74.2
0-180	4113.6	88.5	100.0

LC06H02PN 2LT T5H0



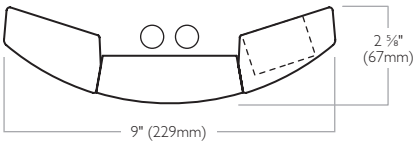


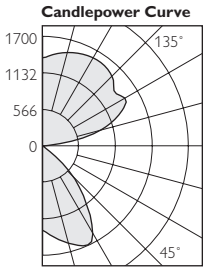
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2520.6	27.1	29.6
90-180	6002.9	64.5	70.4
0-180	8523.5	91.7	100.0

Available in T5 standard output.

LC07H02PN 2LT T5H0 High performance



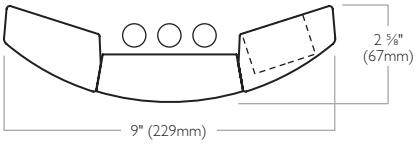


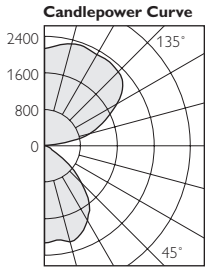
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2575.6	27.7	30.3
90-180	5913.7	63.6	69.7
0-180	8489.3	91.3	100.0

Available in T5 standard output.

LC06H03PN 3LT T5H0



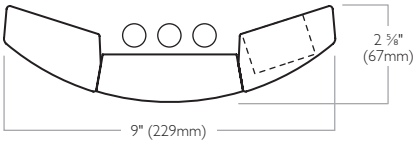


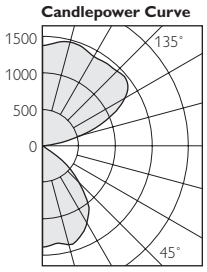
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3755.4	26.9	30.6
90-180	8526.7	61.1	69.4
0-180	12282.1	88.0	100.0

Available in T5 standard output.

LC07F03PN 3LT T5 High performance





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	7366.4	27.2	30.7
90-180	5336.0	61.3	69.3
0-180	7702.4	88.5	100.0

LyteSpread Curve silver louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard textured matte white finish and a selection of other factory and customer specified colors. Consult factory for details.

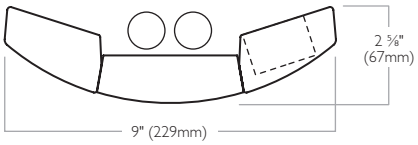
Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

Mount type

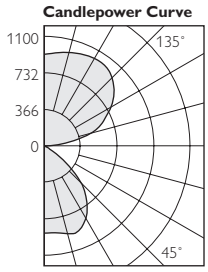
Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

LC06T02PN 2LT T8



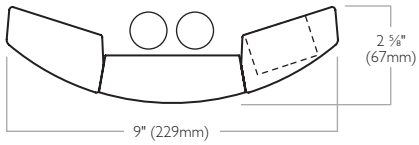
Candlepower Curve



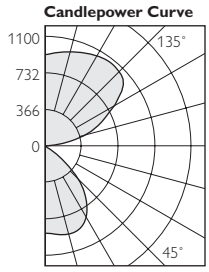
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1618.6	27.4	30.5
90-180	3681.8	62.4	69.5
0-180	5300.4	89.8	100.0

LC07T02PN 2LT T8 High performance



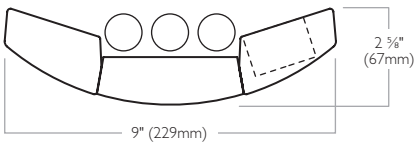
Candlepower Curve



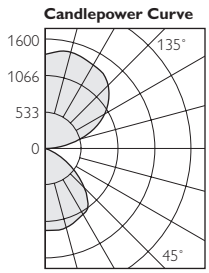
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1620.7	27.5	30.3
90-180	3725.7	63.1	69.7
0-180	5346.4	90.6	100.0

LC06T03PN 3LT T8



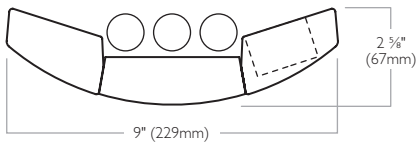
Candlepower Curve



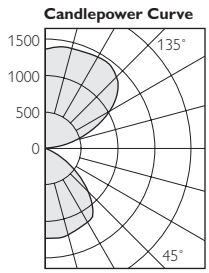
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2366.5	26.7	31.3
90-180	5188.2	58.6	68.7
0-180	7554.7	85.4	100.0

LC07T03PN 3LT T8 High performance



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2403.4	27.2	32.5
90-180	4996.5	56.5	67.5
0-180	7399.9	83.6	100.0

Additional information

Upper Optic Options

D 60% Down Kit

G 80% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

Z 1 Down / 2 Up

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LC			P						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LC	**06** = Standard Performance Dir/Ind **07** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**P** = Semi-Specular Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread Curve round and slot perforated

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: Available in 1, 2 or 3 light T5 and T5HO or 2 or 3 light T8

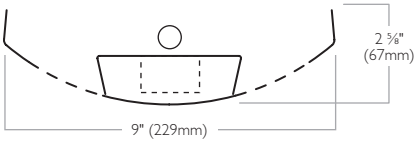
Optical system: Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns. High performance options use additional highly-specular aluminum reflectors.

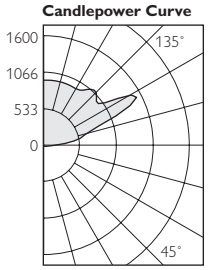
Endcaps: Available with die-cast sculptured endcaps that add 10" to the overall run length.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

Mounting: Fixture uses 1/16" steel sling-mounted aircraft cable for horizontal leveling. Aircraft cable gripper provides continuous vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

LC05H01LN 1LT T5H0

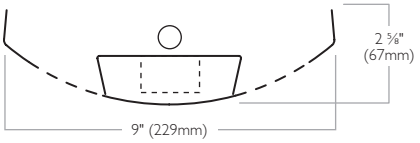


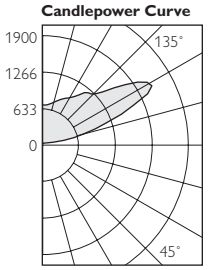


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	49.2	1.1	1.1
90-180	4363.2	93.8	98.9
0-180	4412.4	94.9	100.0

LC04H01LN 1LT T5H0 High performance

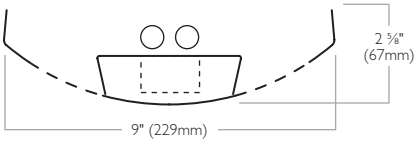


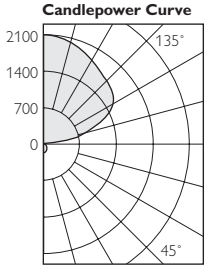


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	42.2	0.9	1.0
90-180	4230.5	91.0	99.0
0-180	4272.7	91.9	100.0

LC05H02LN 2LT T5H0



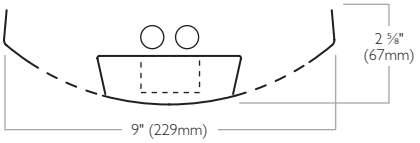


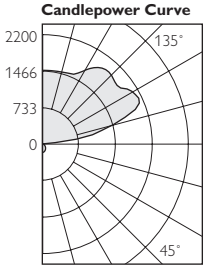
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	533.8	5.7	6.8
90-180	7269.3	78.2	93.2
0-180	7803.1	83.9	100.0

Available in T5 standard output.

LC04H02LN 2LT T5H0 High performance



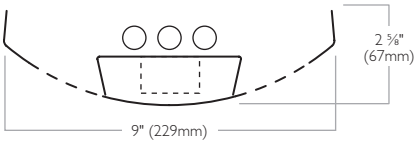


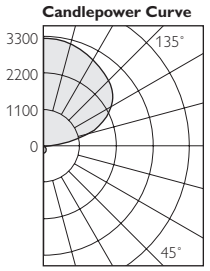
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	524.3	5.6	6.6
90-180	2893.5	80.3	93.4
0-180	7464.2	85.9	100.0

Available in T5 standard output.

LC05H03LN 3LT T5H0



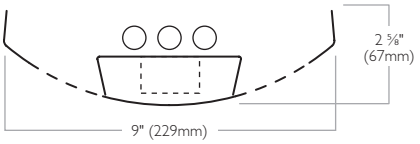


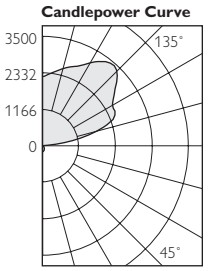
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	598.5	4.3	5.0
90-180	11344.6	81.3	95.0
0-180	11943.1	85.6	100.0

Available in T5 standard output.

LC04H03LN 3LT T5H0 High performance





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	602.7	4.3	5.0
90-180	11422.9	81.9	95.0
0-180	12025.6	86.2	100.0

Available in T5 standard output.

LyteSpread Curve round and slot perforated

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

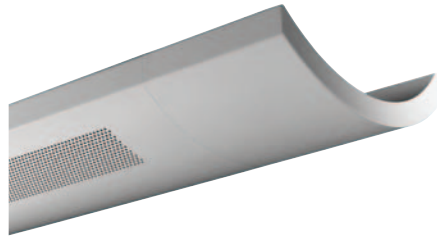
Finish: High-quality powder coat. Available in standard textured matte white finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

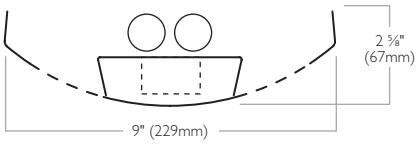
Mount type

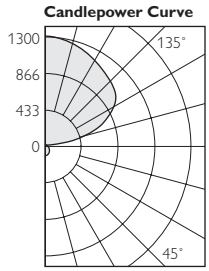
Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee



LC05T02LN 2LT T8

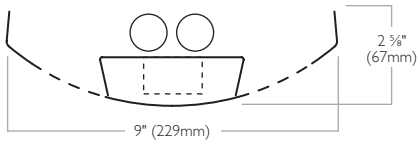


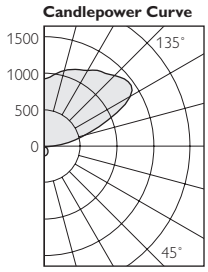


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	363.6	6.2	7.4
90-180	4532.9	76.8	92.6
0-180	4896.5	83.0	100.0

LC04T02LN 2LT T8 High performance

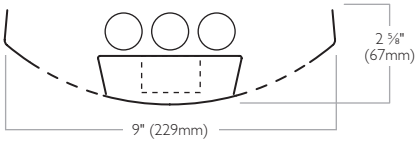


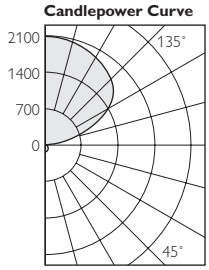


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	355.9	6.0	7.0
90-180	4728.4	80.1	93.0
0-180	5084.3	86.2	100.0

LC05T03LN 3LT T8

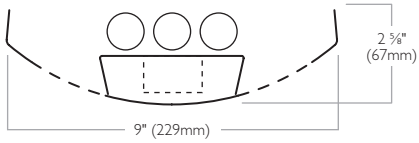


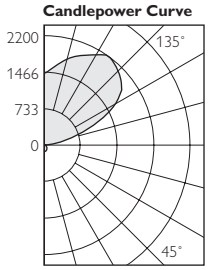


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	412.6	4.7	5.5
90-180	7042.5	79.6	94.5
0-180	7455.1	84.2	100.0

LC04T03LN 3LT T8 High performance





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	409.3	4.6	5.5
90-180	7048.8	79.6	94.5
0-180	7458.1	84.3	100.0

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LC				N					E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LC	**05** = Standard Performance Semi Indirect **04** = High Performance Semi Indirect	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**L** = Round Perf **I** = Slot Perf	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

LyteSpread Curve solid housing

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: Available in 1 or 2 light T5 and T5HO or 1 or 2 light T8

Optical system: Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

Endcaps: Available with die-cast sculptured endcaps that add 10" to the overall run length.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

Mounting: Fixture is mounted ½" off the wall by means of individual brackets. The brackets are specifically designed for ease of installation.

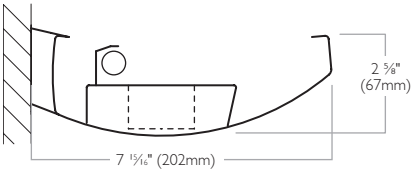
Electrical: Factory pre-wired to section ends with quick-wire connectors.

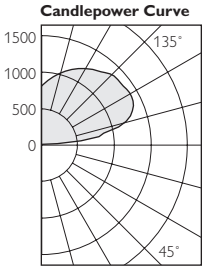
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard textured matte white finish and a selection of other factory and customer specified colors. Consult factory for details.

LC08H01EN 1LT T5H0



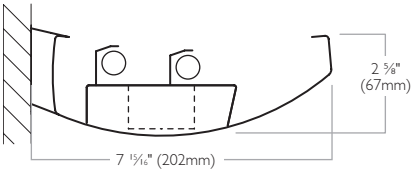


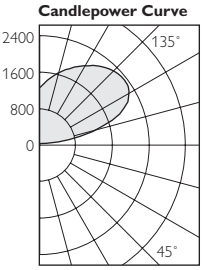
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	3461.8	74.4	100.0
0-180	3461.8	74.4	100.0

Available in T5 standard output.

LC08H02EN 2LT T5H0



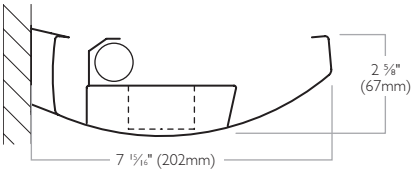


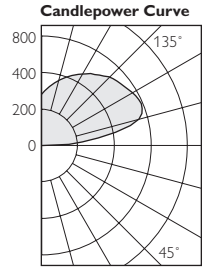
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	5450.9	58.6	100.0
0-180	5450.9	58.6	100.0

Available in T5 standard output.

LC08T01EN 1LT T8

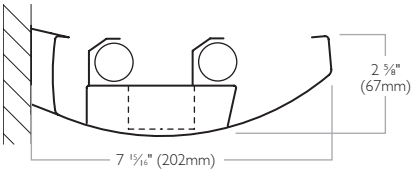


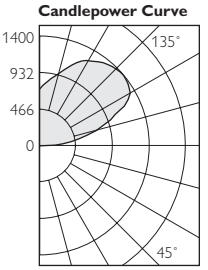


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	1816.0	61.6	100.0
0-180	1816.0	61.6	100.0

LC08T02EN 2LT T8





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	3308.4	56.1	100.0
0-180	3308.4	56.1	100.0

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

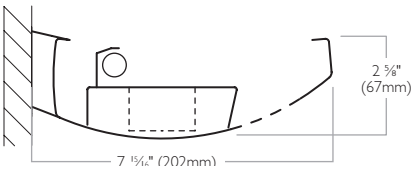
LC	08			N				E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LC	**08** = Wall Mount	**H01** = 1-T5HO **H02** = 2-T5HO **F01** = 1-T5 **F02** = 2-T5 **T01** = 1-T8 **T02** = 2-T8	**E** = Solid Housing	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

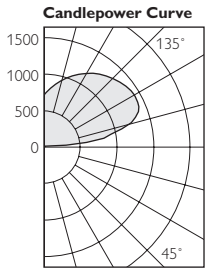
*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

LyteSpread Curve round or slot perforated housing

Wall systems are available in nominal 4ft, 8ft and 12ft modules for indirect and Semi-indirect distributions and 4ft and 8ft in direct/indirect distribution. Variable Wall mounting bracket can be positioned within 6" of the fixture end or joint.

LC08H01LN 1LT T5H0



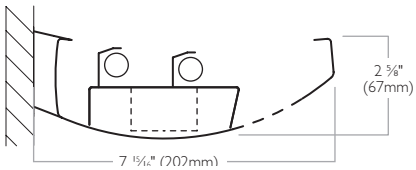


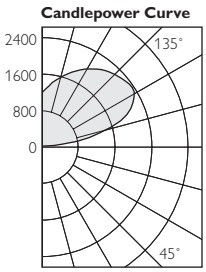
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	39.8	0.9	1.2
90-180	3350.1	72.0	98.8
0-180	3389.9	72.9	100.0

Available in T5 standard output.

LC08H02LN 2LT T5H0



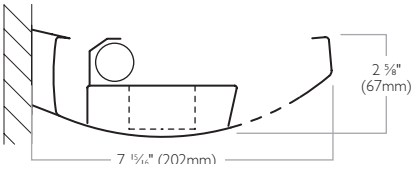


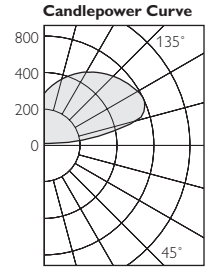
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	67.6	0.7	1.2
90-180	5491.3	59.0	98.8
0-180	5558.9	59.7	100.0

Available in T5 standard output.

LC08T01LN 1LT T8

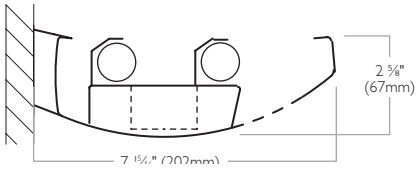


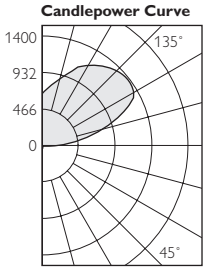


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	23.8	0.8	1.3
90-180	1822.9	61.8	98.7
0-180	1846.7	62.6	100.0

LC08T02LN 2LT T8





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	88.5	1.5	2.6
90-180	3251.2	55.1	97.4
0-180	3339.7	56.6	100.0

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LC	08			N				E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LC	**08** = Wall Mount	**H01** = 1-T5HO **H02** = 2-T5HO **F01** = 1-T5 **F02** = 2-T5 **T01** = 1-T8 **T02** = 2-T8	**L** = Round Perf **I** = Slot Perf	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

LyteSpread Curved white louver

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: Available in 1 or 2 light T5 and T5HO or 1 or 2 light T8

Optical system: Direct/Indirect: Constructed of 96% reflective white steel and specular aluminum to produce a direct/indirect distribution. White baffles are spaced 1-5/16" apart. Standard distribution is 70% up and 30% down.

Endcaps: Available with die-cast sculptured endcaps that add 10" to the overall run length.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

Mounting: Fixture is mounted ½" off the wall by means of individual brackets. The brackets are specifically designed for ease of installation.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

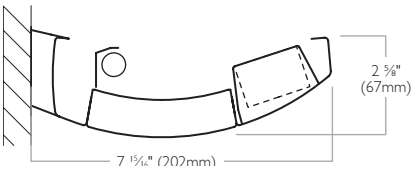
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

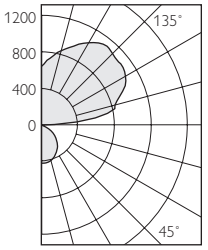
Finish: High-quality powder coat. Available in standard textured matte white finish and a selection of other factory and customer specified colors. Consult factory for details.

Mounting: Wall systems are available in nominal 4ft and 8ft modules for direct/indirect distribution. Variable Wall mounting bracket can be positioned within 6" of the fixture end or joint.

LC08H01WN 1LT T5H0



Candlepower Curve

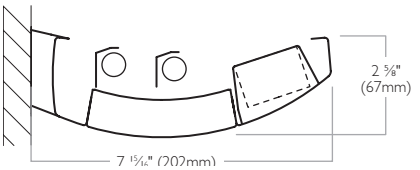


Distribution

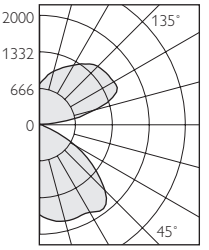
Zone	Lumens	% Lamp	% Luminaire
0-90	674.8	14.5	19.0
90-180	2872.3	61.8	81.0
0-180	3547.1	76.3	100.00

Available in T5 standard output.

LC08H02WN 2LT T5H0



Candlepower Curve

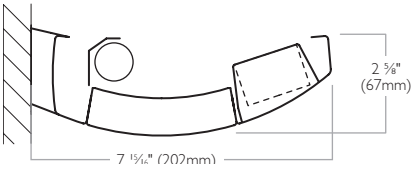


Distribution

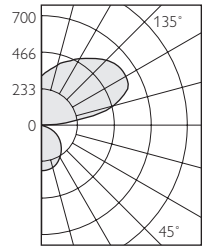
Zone	Lumens	% Lamp	% Luminaire
0-90	2968.8	31.9	44.6
90-180	3690.0	39.7	55.4
0-180	6658.8	71.6	100.00

Available in T5 standard output.

LC08T01WN 1LT T8



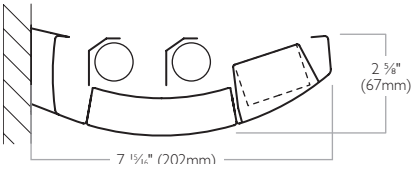
Candlepower Curve



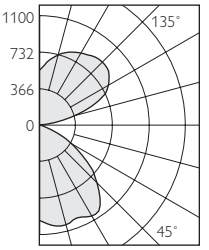
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	481.9	16.3	24.7
90-180	1469.6	49.8	75.3
0-180	1951.5	66.2	100.00

LC08T02WN 2LT T8



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1708.7	29.0	44.1
90-180	2164.6	36.7	55.9
0-180	3873.3	65.6	100.00

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LC	08			N					E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LC	**08** = Wall Mount	**H01** = 1-T5HO **H02** = 2-T5HO **F01** = 1-T5 **F02** = 2-T5 **T01** = 1-T8 **T02** = 2-T8	**W** = White Louver	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

LyteSpread Curved silver louver

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: Available in 1 or 2 light T5 and T5HO or 1 or 2 light T8

Optical system: Direct/Indirect: Constructed of 96% reflective white steel and specular aluminum to produce a direct/indirect distribution. Semi-specular louvers are aluminum and spaced 1-7/16" apart. Standard distribution is 70% up and 30% down.

Endcaps: Available with die-cast sculptured endcaps that add 10" to the overall run length.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

Mounting: Fixture is mounted ½" off the wall by means of individual brackets. The brackets are specifically designed for ease of installation.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

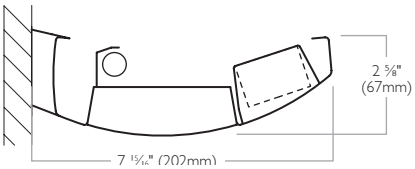
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

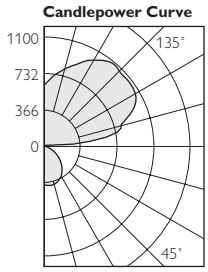
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard textured matte white finish and a selection of other factory and customer specified colors. Consult factory for details.

Mounting: Wall systems are available in nominal 4ft and 8ft modules for direct/indirect distribution. Variable Wall mounting bracket can be positioned within 6" of the fixture end or joint.

LC08H01PN 1LT T5H0



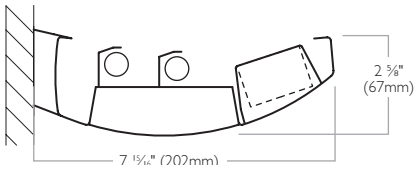


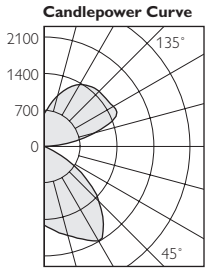
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	644.1	13.9	18.9
90-180	2762.2	59.4	81.1
0-180	3406.3	73.3	100.00

Available in T5 standard output.

LC08H02PN 2LT T5H0



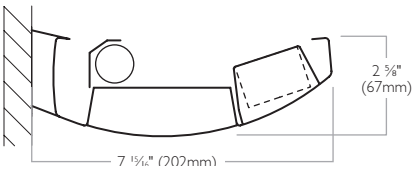


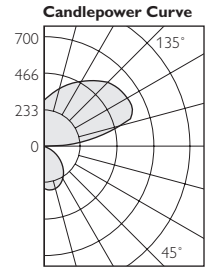
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2993.9	32.2	45.4
90-180	3602.3	38.7	54.6
0-180	6596.2	70.9	100.00

Available in T5 standard output.

LC08T01PN 1LT T8

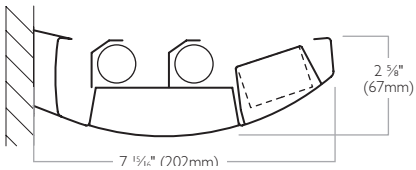


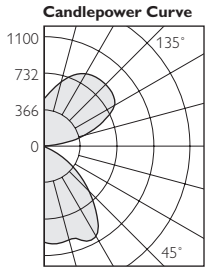


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	420.8	14.3	22.8
90-180	1428.0	48.4	77.2
0-180	1848.8	62.7	100.00

LC08T02PN 2LT T8





Distribution

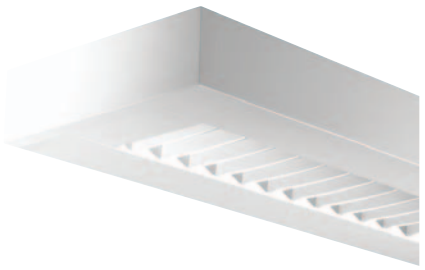
Zone	Lumens	% Lamp	% Luminaire
0-90	1688.2	28.6	45.4
90-180	2027.8	34.4	54.6
0-180	3716.0	63.0	100.00

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LC	08		P	N				E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LC	**08** = Wall Mount	**H01** = 1-T5HO **H02** = 2-T5HO **F01** = 1-T5 **F02** = 2-T5 **T01** = 1-T8 **T02** = 2-T8	**P** = Semi-Specular Louver	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.



LyteSpread 9" white louver

Housing: 6063 T5 extruded aluminum.

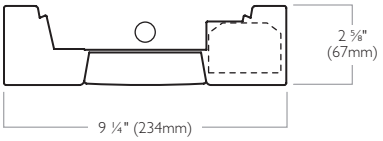
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. White louver blades are spaced 1.3" apart and are 1.1" deep (34 cells per 4ft section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

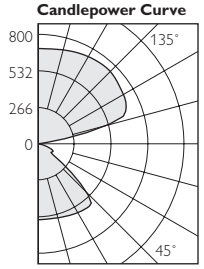
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

L916H01WN 1LT T5H0



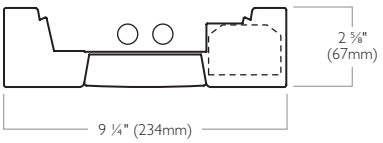
Candlepower Curve



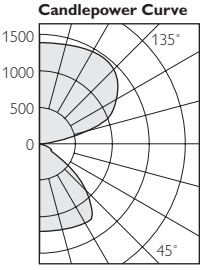
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1195.2	25.7	28.0
90-180	3080.4	66.2	72.0
0-180	4275.7	92.0	100.0

L916H02WN 2LT T5H0



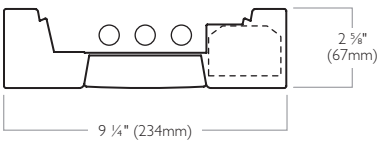
Candlepower Curve



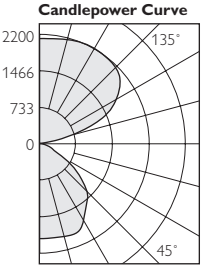
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2451.3	26.4	30.4
90-180	5609.9	60.3	69.6
0-180	8061.3	86.7	100.0

L916H03WN 2LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3853.9	27.6	32.0
90-180	8178.3	58.6	68.0
0-180	12032.2	86.3	100.0

LyteSpread 9" white louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

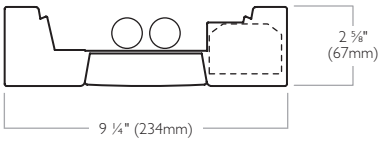
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

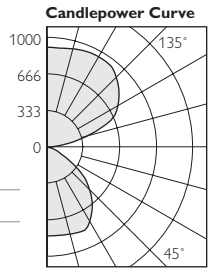
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

L916T02WN 2LT T8

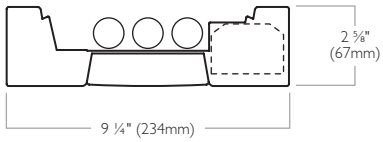


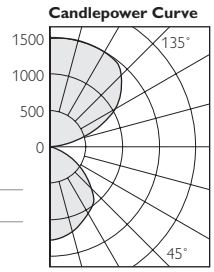


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1625.6	27.6	31.6
90-180	3522.5	59.7	68.4
0-180	5148.2	87.3	100.0

L916T03WN 3LT T8





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2358.9	26.7	31.2
90-180	5206.5	58.8	68.8
0-180	7565.5	85.5	100.0

Upper optics

D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

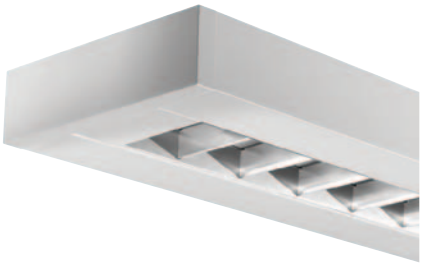
Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

L9	16		W					E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
L9	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**W** = White Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread 9" semi-specular louver



Housing: 6063 T5 extruded aluminum.

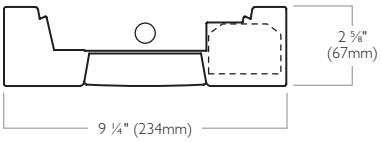
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Louver blades are spaced 3" apart and are 1" deep (15 cells per 4 ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

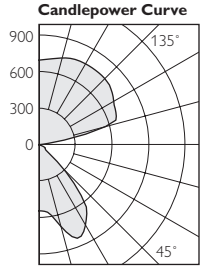
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

L916H01PN 1LT T5H0



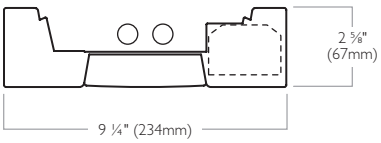
Candlepower Curve



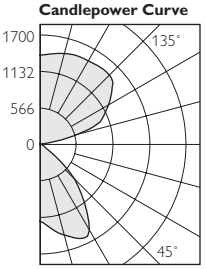
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1407.1	30.3	32.0
90-180	2987.5	64.2	68.0
0-180	4394.6	94.5	100.0

L916H02PN 2LT T5H0



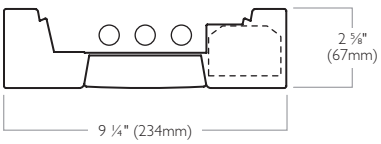
Candlepower Curve



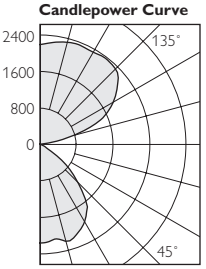
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2977.2	32.0	35.2
90-180	5470.2	58.8	64.8
0-180	8447.5	90.8	100.0

L916H03PN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	4549.9	32.6	35.2
90-180	8372.1	60.0	64.8
0-180	12922.0	92.6	100.0

LyteSpread 9" semi-specular louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

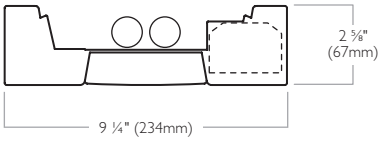
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

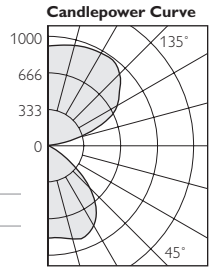
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

L916T02PN 2LT T8

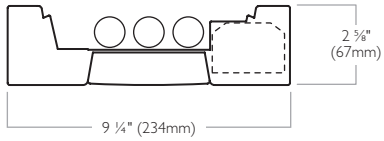


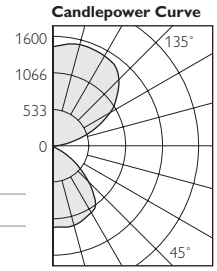


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1924.9	32.6	36.1
90-180	3413.9	57.9	63.9
0-180	5338.8	90.5	100.0

L616T03PN 3LT T8





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2700.0	30.5	34.2
90-180	5187.9	58.6	65.8
0-180	7887.9	89.1	100.0

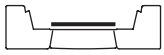
Upper Optics

D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit



U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

L9	16		P						E	
Series	**Type**	**Lamps**	**Lower Optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
L9	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**P** = Semi-Specular Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread 9" specular louver

Housing: 6063 T5 extruded aluminum.

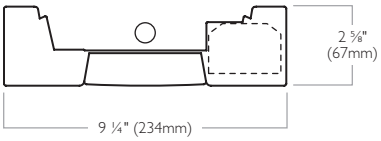
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Louver blades are spaced 3" apart and are 1" deep (15 cells per 4ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

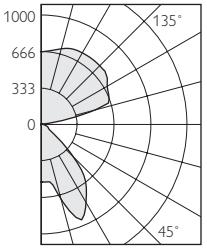
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

L916H01SN 1LT T5H0



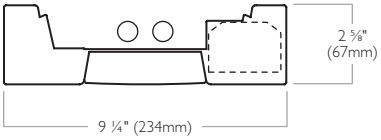
Candlepower Curve



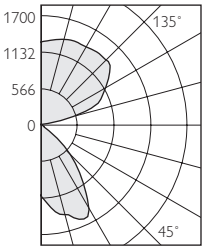
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1465.1	31.5	33.9
90-180	2863.1	61.6	66.1
0-180	4328.2	93.1	100.0

L916H02SN 2LT T5H0



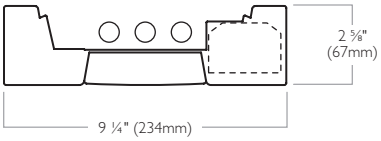
Candlepower Curve



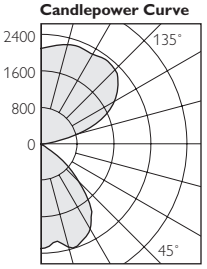
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2856.0	30.7	35.5
90-180	5180.3	55.7	64.5
0-180	8036.3	86.4	100.0

L916H03SN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	4776.4	34.2	36.7
90-180	8223.5	58.9	63.3
0-180	12999.9	93.2	100.0

LyteSpread 9" specular louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

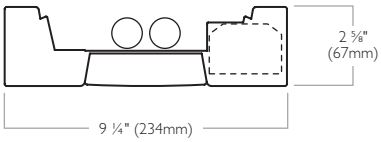
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

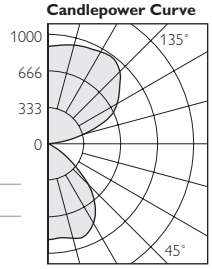
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

L916T02SN 2LT T8



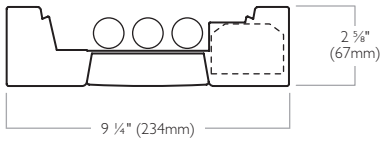
Candlepower Curve



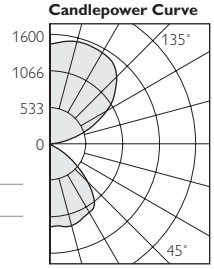
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1895.1	32.1	35.7
90-180	3416.1	57.9	64.3
0-180	5311.2	90.0	100.0

L916T03SN 3LT T8



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2780.7	31.4	34.9
90-180	5195.5	58.7	65.1
0-180	7976.2	90.1	100.0

Upper optics

D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

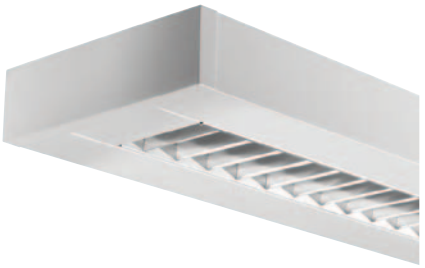
A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

L9	16		S						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
L9	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**S** = Specular Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.



LyteSpread 9" semi-specular VDT louver

Housing: 6063 T5 extruded aluminum.

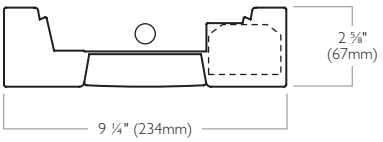
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Louver blades are spaced 1½" apart and are 1" deep (30 cells per 4ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

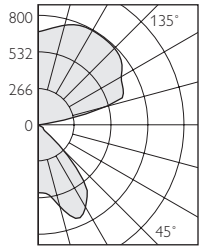
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

L916H01MN 1LT T5H0



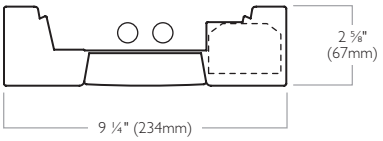
Candlepower Curve



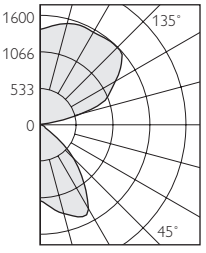
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1097.6	23.6	26.7
90-180	3014.7	64.8	73.3
0-180	4112.3	88.4	100.0

L916H02MN 2LT T5H0



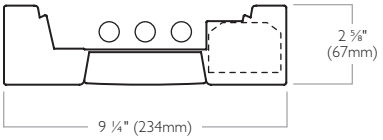
Candlepower Curve



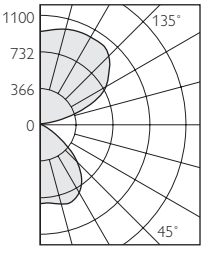
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2294.8	24.7	28.7
90-180	5706.9	61.4	71.3
0-180	8001.7	86.0	100.0

L916H03MN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3554.6	25.5	29.3
90-180	8596.4	61.6	70.7
0-180	12151.0	87.1	100.0

LyteSpread 9" semi-specular VDT louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

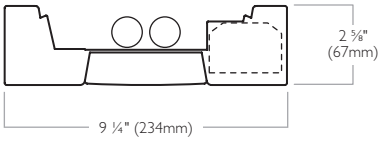
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

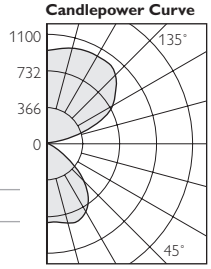
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

L916T02MN 2LT T8



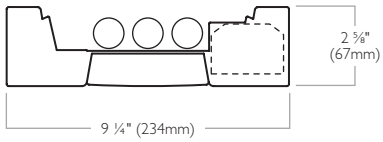
Candlepower Curve



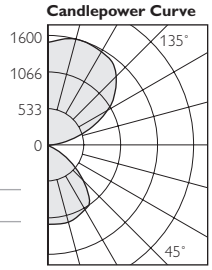
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1519.4	25.8	30.1
90-180	3527.6	59.8	69.9
0-180	5047.0	85.5	100.0

L916T03MN 3LT T8



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2212.9	25.0	29.5
90-180	5299.7	59.9	70.5
0-180	7512.7	84.9	100.0

Upper optics

D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

L9	16		M						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
L9	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**M** = Semi-Specular VDT Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread 9" specular VDT louver

Housing: 6063 T5 extruded aluminum.

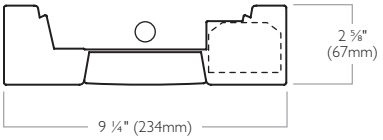
Optical system: Constructed of 96% reflective white steel to produce a Indirect/direct distribution. Louver blades are spaced 1½" apart and are 1" deep (30 cells per 4ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

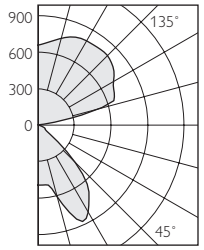
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

L916H01RN 1LT T5H0



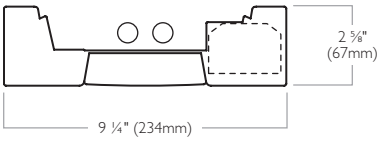
Candlepower Curve



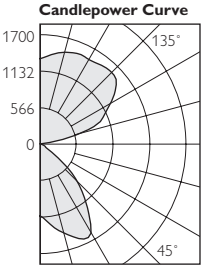
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1224.8	26.3	29.0
90-180	2997.1	64.5	71.0
0-180	4221.9	90.8	100.0

L916H02RN 2LT T5H0



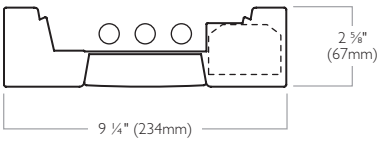
Candlepower Curve



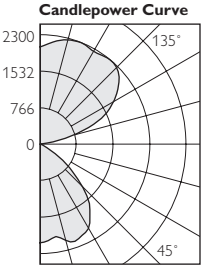
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2575.8	27.7	31.6
90-180	5564.2	59.8	68.4
0-180	8140.0	87.5	100.0

L916H03RN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3861.9	27.7	32.4
90-180	8073.0	57.9	67.6
0-180	11934.9	85.6	100.0

LyteSpread 9" specular VDT louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

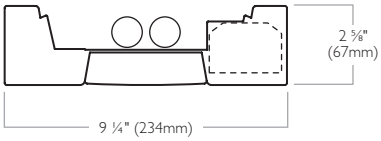
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

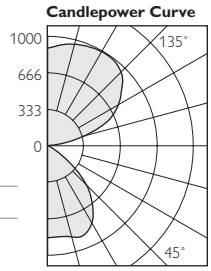
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

L916T02RN 2LT T8

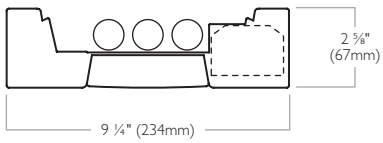


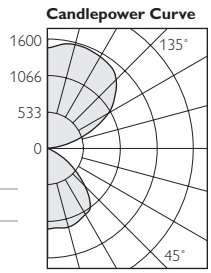


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2318.5	26.2	30.7
90-180	5233.9	59.1	69.3
0-180	7552.4	85.3	100.0

L916T03RN 3LT T8

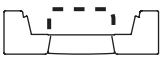




Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1562.6	26.5	30.9
90-180	3493.0	59.2	69.1
0-180	5055.6	85.7	100.0

Upper optics


D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

L9	16		R						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
L9	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**R** = Specular VDT Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread elliptical white louver

Housing: 6063 T5 extruded aluminum.

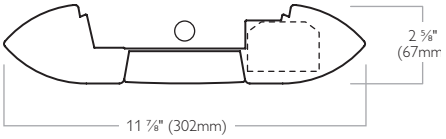
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. White louver blades are spaced 1.3" apart and are 1.1" deep (34 cells per 4ft section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

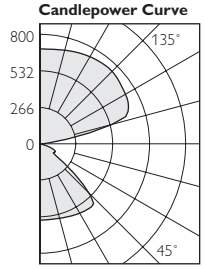
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

LE16H01WN 1LT T5H0



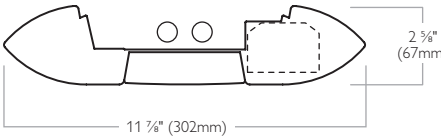
Candlepower Curve



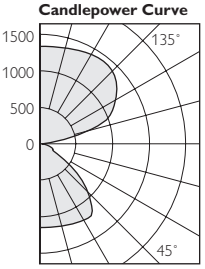
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1195.2	25.7	28.0
90-180	3080.4	66.2	72.0
0-180	4275.7	92.0	100.0

LE16H02WN 2LT T5H0



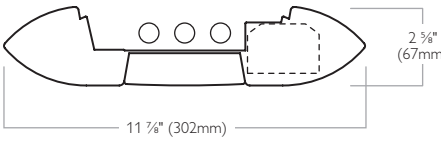
Candlepower Curve



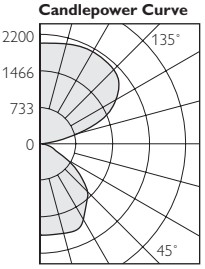
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2451.3	26.4	30.4
90-180	5609.9	60.3	69.6
0-180	8061.3	86.7	100.0

LE16H03WN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3853.9	27.6	32.0
90-180	8178.3	58.6	68.0
0-180	12032.2	86.3	100.0

LyteSpread elliptical white louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

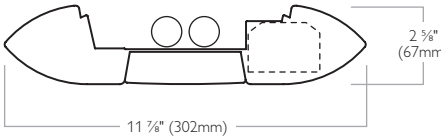
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

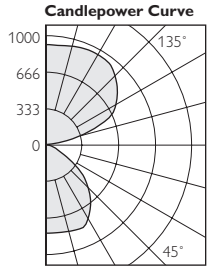
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

LE16T02WN 2LT T8

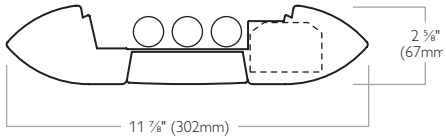


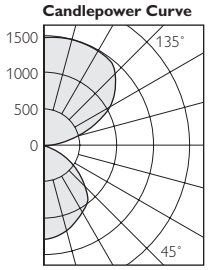


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1625.6	27.6	31.6
90-180	3522.5	59.7	68.4
0-180	5148.2	87.3	100.0

LE16T03WN 3LT T8

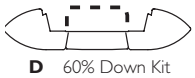


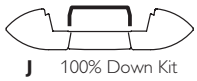


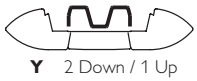
Distribution

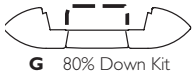
Zone	Lumens	% Lamp	% Luminaire
0-90	2358.9	26.7	31.2
90-180	5206.5	58.8	68.8
0-180	7565.5	85.5	100.0

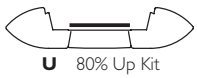
Upper optics

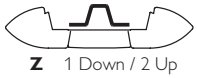

D 60% Down Kit


J 100% Down Kit


Y 2 Down / 1 Up


G 80% Down Kit


U 80% Up Kit


Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LE	16		W						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LE	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**W** = White Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread elliptical semi-specular louver

Housing: 6063 T5 extruded aluminum.

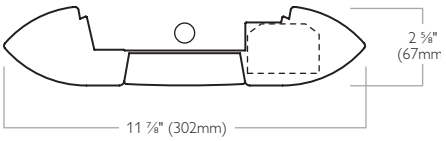
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Louver blades are spaced 3" apart and are 1" deep (15 cells per 4ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

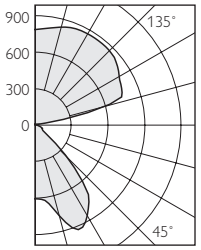
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

LE16H01PN 1LT T5H0



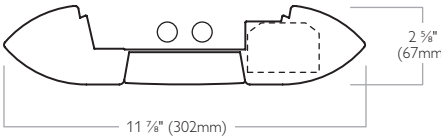
Candlepower Curve



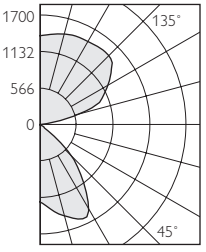
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1407.1	30.3	32.0
90-180	2987.5	64.2	68.0
0-180	4394.6	94.5	100.0

LE16H02PN 2LT T5H0



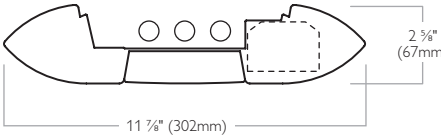
Candlepower Curve



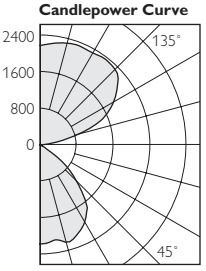
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2977.2	32.0	35.2
90-180	5470.2	58.8	64.8
0-180	8447.5	90.8	100.0

LE16H03PN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	4549.9	32.6	35.2
90-180	8372.1	60.0	64.8
0-180	12922.0	92.6	100.0

LyteSpread elliptical semi-specular louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

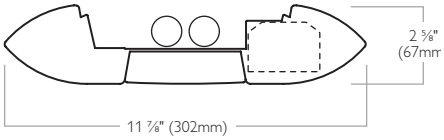
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

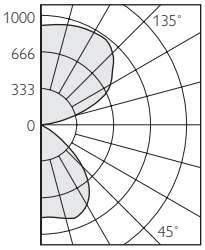
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

LE16T02PN 2LT T8



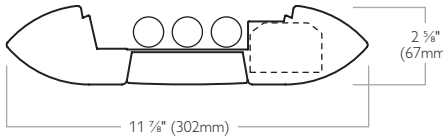
Candlepower Curve



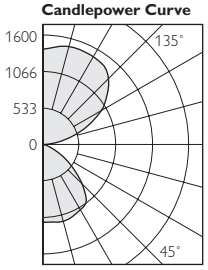
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1924.9	32.6	36.1
90-180	3413.9	57.9	63.9
0-180	5338.8	90.5	100.0

LE16T03PN 3LT T8



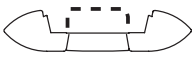
Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2700.0	30.5	34.2
90-180	5187.9	58.6	65.8
0-180	7887.9	89.1	100.0

Upper optics



D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

- A1 Non-accessible ceiling, 0°–15° slope
- A3 Non-accessible ceiling, 0°–90° slope
- A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
- A5 T-bar variable position mount (standard tee, standard tile)
- A6-1 T-bar on-grid mount 15/16" standard tee
- A6-2 T-bar on-grid mount 9/16" standard tee
- A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LE	16		P					E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LE	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**P** = Semi-Specular Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread elliptical specular louver

Housing: 6063 T5 extruded aluminum.

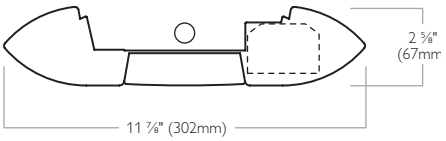
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Louver blades are spaced 3" apart and are 1" deep (15 cells per 4ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

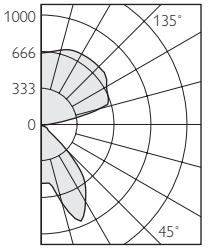
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

LE16H01SN 1LT T5H0



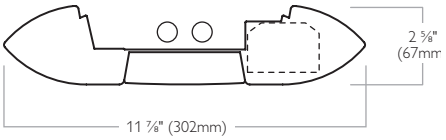
Candlepower Curve



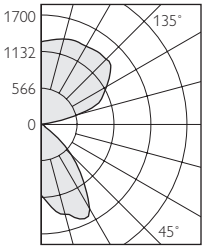
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1465.1	31.5	33.9
90-180	2863.1	61.6	66.1
0-180	4328.2	93.1	100.0

LE16H02SN 2LT T5H0



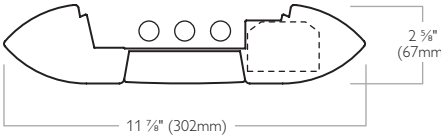
Candlepower Curve



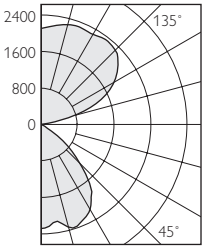
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2856.0	30.7	35.5
90-180	5180.3	55.7	64.5
0-180	8036.3	86.4	100.0

LE16H03SN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	4776.4	34.2	36.7
90-180	8223.5	58.9	63.3
0-180	12999.9	93.2	100.0

LyteSpread elliptical specular louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

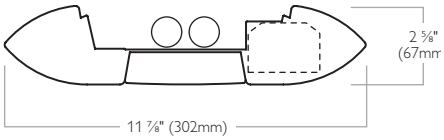
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

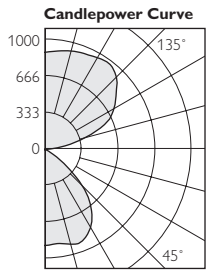
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

LE16T02SN 2LT T8

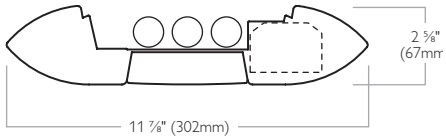


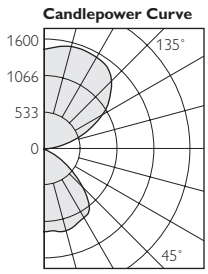


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1895.1	32.1	35.7
90-180	3416.1	57.9	64.3
0-180	5311.2	90.0	100.0

LE16T03SN 3LT T8

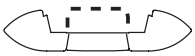




Distribution

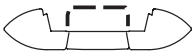
Zone	Lumens	% Lamp	% Luminaire
0-90	2780.7	31.4	34.9
90-180	5195.5	58.7	65.1
0-180	7976.2	90.1	100.0

Upper optics


D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up


G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LE	16		S						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LE	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**S** = Specular Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread elliptical semi-specular VDT louver

Housing: 6063 T5 extruded aluminum.

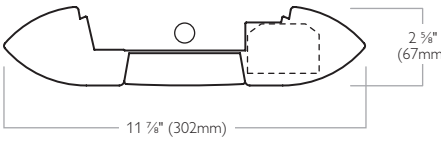
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Louver blades are spaced 3" apart and are 1" deep (15 cells per 4ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

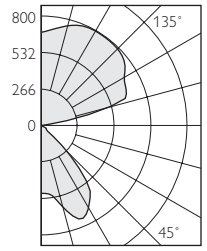
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

LE16H01MN 1LT T5H0



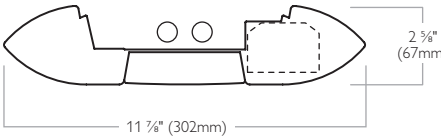
Candlepower Curve



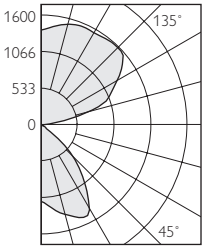
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1097.6	23.6	26.7
90-180	3014.7	64.8	73.3
0-180	4112.3	88.4	100.0

LE16H02MN 2LT T5H0



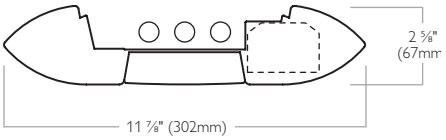
Candlepower Curve



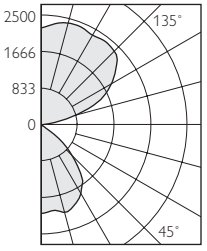
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2294.8	24.7	28.7
90-180	5706.9	61.4	71.3
0-180	8001.7	86.0	100.0

LE16H03MN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3554.6	25.5	29.3
90-180	8596.4	61.6	70.7
0-180	12151.0	87.1	100.0

LyteSpread elliptical semi-specular VDT louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

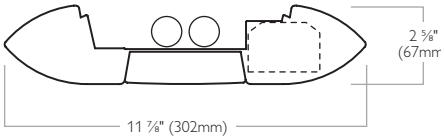
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

Approvals: Certified to UL and CSA standards.

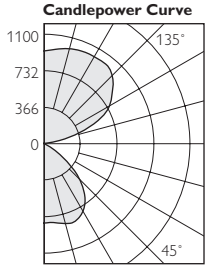
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

LE16T02MN 2LT T8



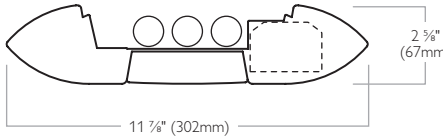
Candlepower Curve



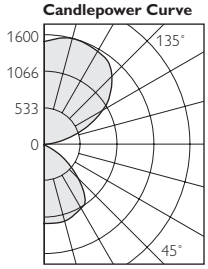
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1519.4	25.8	30.1
90-180	3527.6	59.8	69.9
0-180	5047.0	85.5	100.0

LE16T03MN 3LT T8



Candlepower Curve

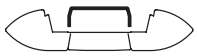


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2212.9	25.0	29.5
90-180	5299.7	59.9	70.5
0-180	7512.7	84.9	100.0

Upper optics

D 60% Down Kit



J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LE	16		M						E	
Series	**Type**	**Lamps**	**Lower Optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
LE	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**M** = Semi-Specular VDT Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

LyteSpread elliptical specular VDT louver

Housing: 6063 T5 extruded aluminum.

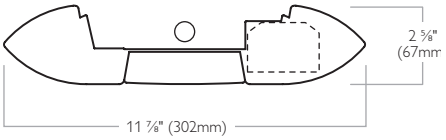
Optical system: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Louver blades are spaced 1½" apart and are 1" deep (30 cells per 4ft. section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps: Aluminum die-cast endcaps, baked powder coat finish for color.

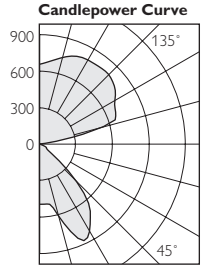
Joints: Self-aligning joining system.

Mounting: Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

LE16H01RN 1LT T5H0



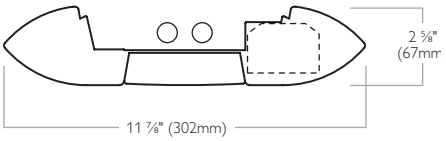
Candlepower Curve



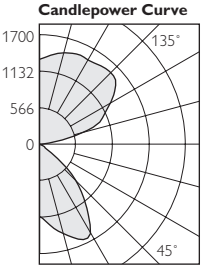
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1224.8	26.3	29.0
90-180	2997.1	64.5	71.0
0-180	4221.9	90.8	100.0

LE16H02RN 2LT T5H0



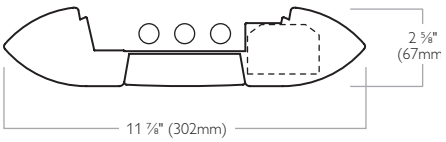
Candlepower Curve



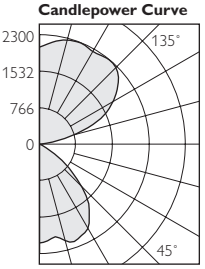
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2575.8	27.7	31.6
90-180	5564.2	59.8	68.4
0-180	8140.0	87.5	100.0

LE16H03RN 3LT T5H0



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3861.9	27.7	32.4
90-180	8073.0	57.9	67.6
0-180	11934.9	85.6	100.0

LyteSpread elliptical specular VDT louver

Electrical: Factory pre-wired to section ends with quick-wire connectors.

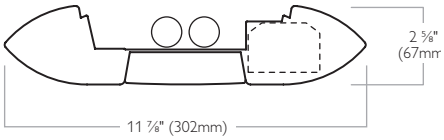
Ballast: Electronic. Dimming is Advance Mark 7 for T8 and T5H0 or Universal SuperDim for T5.

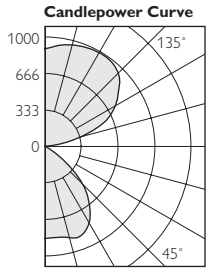
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options include a dust cover for fixtures with T8 lamps, a lamp guard between the louver and the lamp for all fixtures without a upper optic option U (80% uplight kit), lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

LE16T02RN 2LT T8

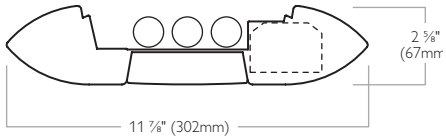


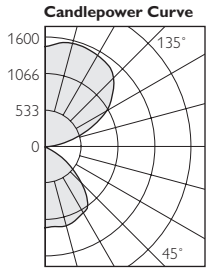


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2318.5	26.2	30.7
90-180	5233.9	59.1	69.3
0-180	7552.4	85.3	100.0

LE16T03RN 3LT T8





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1562.6	26.5	30.9
90-180	3493.0	59.2	69.1
0-180	5055.6	85.7	100.0

Upper optics

D 60% Down Kit

J 100% Down Kit

Y 2 Down / 1 Up

G 80% Down Kit

U 80% Up Kit

Z 1 Down / 2 Up

Downlight kits and lamp separators are not recommended with white louvers (Lower optics option W), due to potential for excessive louver brightness or shadowing.

Mount type

Aircraft cable mounts

- A1 Non-accessible ceiling, 0°–15° slope
- A3 Non-accessible ceiling, 0°–90° slope
- A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
- A5 T-bar variable position mount (standard tee, standard tile)
- A6-1 T-bar on-grid mount 15/16" standard tee
- A6-2 T-bar on-grid mount 9/16" standard tee
- A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

LE	16		R						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**		**Voltage**	**Ballast**	**Color & finish**
LE	**16** = High Performance Dir/Ind	**H01** = 1-T5HO **H02** = 2-T5HO **H03** = 3-T5HO **F01** = 1-T5 **F02** = 2-T5 **F03** = 3-T5 **T02** = 2-T8 **T03** = 3-T8	**R** = Specular VDT Louver	**N** = None **D** = 60% Down Kit **G** = 80% Down Kit **J** = 100% Down Kit **Y** = 2 Down / 1 Up **Z** = 1 Down / 12Up		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

RT6

Housing: 6063 T5 extruded aluminum.

Optical system: Constructed of highly reflective 24 gauge metal. Reflectors are highly specular aluminum. Curved baffles are 13/16" deep and 2" on center. Curved lens is constructed of acrylic.

Endcaps: Mitered aluminum extrusion. Endcaps add 3-1/2 inches to the overall length of the run.

Joints & intersections: All joints accomplished using a quick locking joining system. Optional mitered aluminum extrusion intersections available in L, T or X configurations. Consult factory for assistance with ordering.

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Nominal mounting length for individually mounted modules are 4'2" for a 4' fixture, 8'2" for an 8' fixture and 12'2" for a 12' fixture.

Wall: Mounts variable within 6" of end or joint. Minimum one mount per fixture end or joint. Mount is not continuous, and therefore fixture is not flush with wall. Side-mounted 4" x 2-1/2" utility box (supplied by others).

Electrical: All luminaires factory pre-wired to section ends with quick-connect plugs.

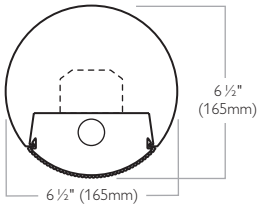
Ballast: Electronic.

Approvals: Certified to UL & CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options are lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

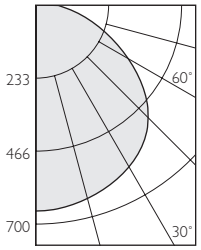
RT61T10AE 1 Light lens



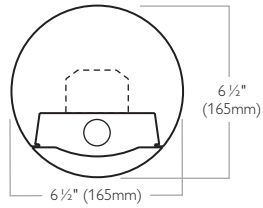
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1908.2	65.8	100.0
90-180	0.0	0.0	0.0
0-180	1908.2	65.8	100.0

Candlepower Curve



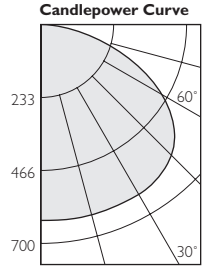
RT61T10CE 1 Light baffle



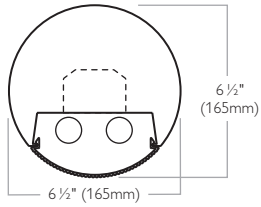
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1932.1	66.6	100.0
90-180	0.0	0.0	0.0
0-180	1932.1	66.6	100.0

Candlepower Curve



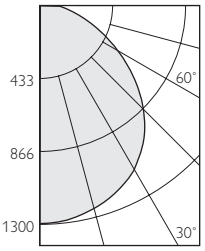
RT61T20AE 2 Light lens



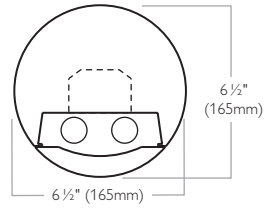
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3528.5	60.8	100.0
90-180	0.0	0.0	0.0
0-180	3528.5	60.8	100.0

Candlepower Curve



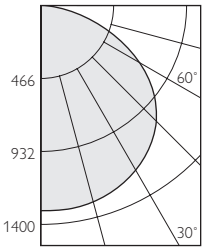
RT61T20CE 2 Light baffle



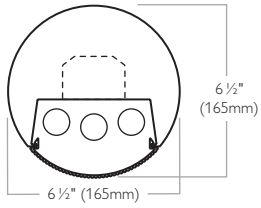
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3618.0	62.4	100.0
90-180	0.0	0.0	0.0
0-180	3618.0	62.4	100.0

Candlepower Curve



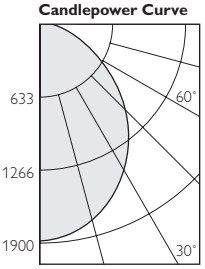
RT61T30AE 3 Light lens



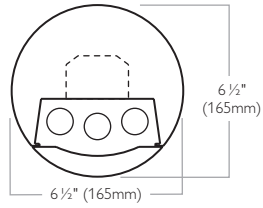
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	4555.0	42.4	100.0
90-180	0.0	0.0	0.0
0-180	4555.0	42.4	100.0

Candlepower Curve



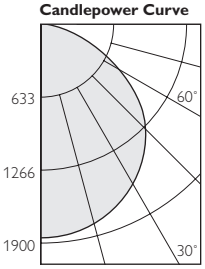
RT61T30CE 3 Light baffle



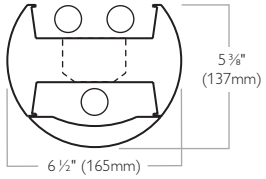
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	4612.0	53.0	100.0
90-180	0.0	0.0	0.0
0-180	4612.0	53.0	100.0

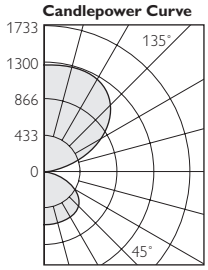
Candlepower Curve



RT65T12CN 3 Light Open/Baffle



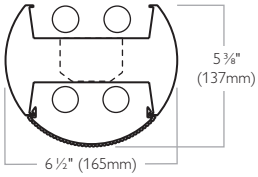
Candlepower Curve



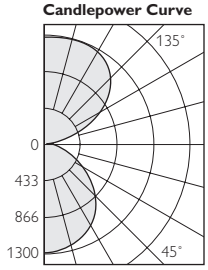
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1932.9	22.2	31.2
90-180	4266.0	49.0	68.8
0-180	6198.9	71.3	100.00

RT65T22AN 4 Light open/lens



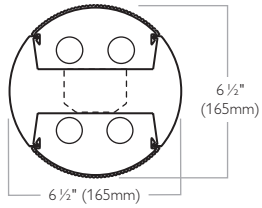
Candlepower Curve



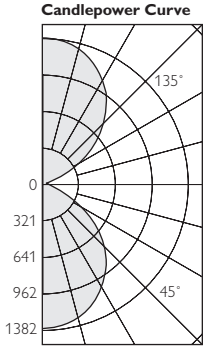
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3529.3	30.4	45.2
90-180	4272.1	36.8	54.8
0-180	7801.4	67.2	100.00

RT65T22AA 4 Light lens/lens



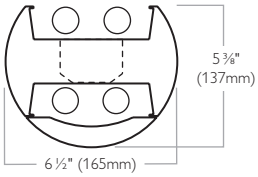
Candlepower Curve



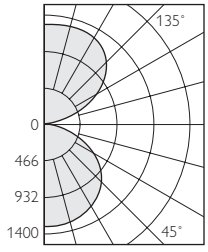
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3537.6	30.5	50.0
90-180	3537.6	30.5	50.0
0-180	7075.2	61.0	100.00

RT65T22CN 4 Light open/baffle



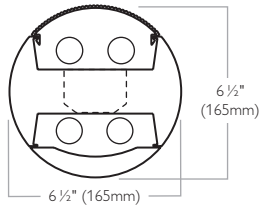
Candlepower Curve



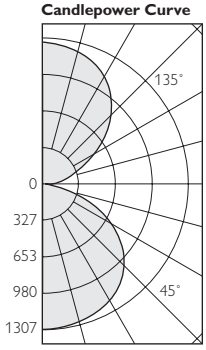
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3618.5	31.2	45.9
90-180	4268.7	36.8	54.1
0-180	7887.2	68.0	100.00

RT65T22CA 4 Light lens/baffle



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3626.9	31.3	50.6
90-180	3534.2	30.5	49.4
0-180	7161.1	61.8	100.00

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

Series	Type	Lamps	Lower optics	Upper optics	Run length*	Wiring	Voltage	Ballast	Color & finish
RT	**61** = Direct **65** = Direct/ Indirect	**T10** = 1 T8-1 Dn / 0 Up **T20** = 2 T8-2 Dn / 0 Up **T30** = 3 T8-3 Dn / 0 Up **T12** = 3 T8-1 Dn / 2 Up **T22** = 4 T8-2 Dn / 2 Up **T11** = 2 T8-1 Dn / 1 Up **T21** = 3 T8-2 Dn / 1 Up	**A** = Curved Acrylic Lens **C** = Curved Baffle	**E** = Solid Housing **A** = Curved Acrylic Lens **N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D**= Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W**= Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

RT6

Housing: 6063 T5 extruded aluminum.

Optical system: Constructed of highly reflective 24 gauge metal. Reflectors are highly specular aluminum. Curved baffles are 13/16" deep and 2" on center. Curved lens is constructed of acrylic.

Endcaps: Mitered aluminum extrusion. Endcaps add 3-1/2 inches to the overall length of the run.

Joints & intersections: All joints accomplished using a quick locking joining system. Optional mitered aluminum extrusion intersections available in L, T or X configurations. Consult factory for assistance with ordering.

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Nominal mounting length for individually mounted modules are 4'2" for a 4' fixture, 8'2" for an 8' fixture and 12'2" for a 12' fixture.

Wall: Mounts variable within 6" of end or joint. Minimum one mount per fixture end or joint. Mount is not continuous, and therefore fixture is not flush with wall. Side-mounted 4" x 2-1/2" utility box (supplied by others).

Electrical: All luminaires factory pre-wired to section ends with quick-connect plugs.

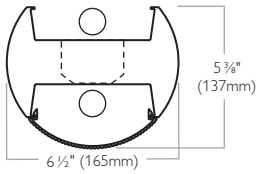
Ballast: Electronic.

Approvals: Certified to UL & CSA standards.

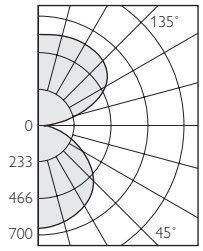
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Options: Available upgrade options are lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

RT65T11AN 2 Light open/lens



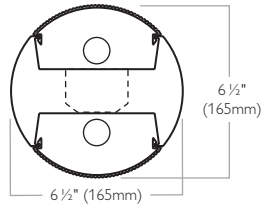
Candlepower Curve



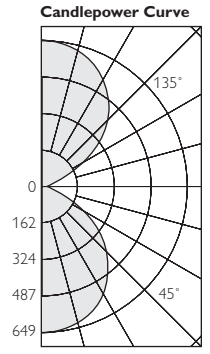
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1908.7	32.9	46.1
90-180	2227.8	38.4	53.9
0-180	4136.5	71.3	100.0

RT65T11AA 2 Light lens/lens



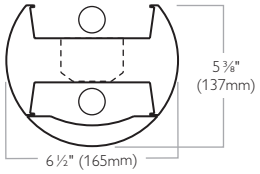
Candlepower Curve



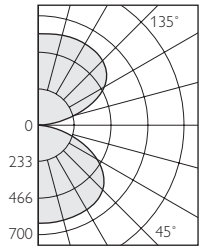
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1913.6	33.0	50.0
90-180	1913.6	33.0	50.0
0-180	3827.2	66.0	100.0

RT65T11CN 2 Light open/baffle



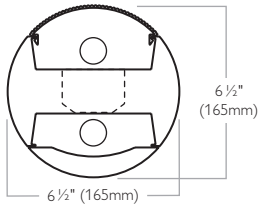
Candlepower Curve



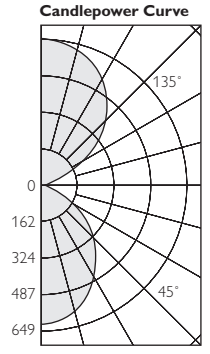
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1932.5	33.3	46.5
90-180	2225.5	38.4	53.5
0-180	4158.0	71.7	100.0

RT65T11CA 2 Light lens/baffle



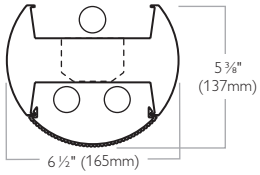
Candlepower Curve



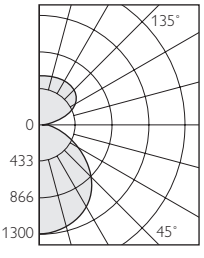
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1937.5	33.4	50.3
90-180	1911.2	33.0	49.7
0-180	3848.7	66.4	100.0

RT65T21AN 3 Light open/lens



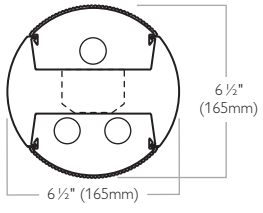
Candlepower Curve



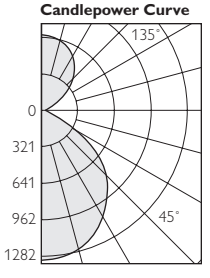
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3528.9	40.6	61.3
90-180	2231.6	25.7	38.7
0-180	5760.5	66.3	100.0

RT65T21AA 3 Light lens/lens



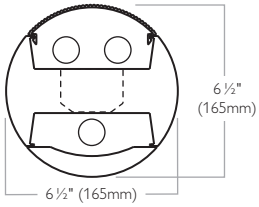
Candlepower Curve

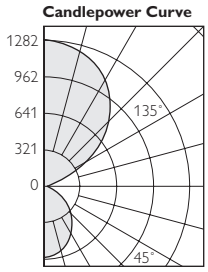


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3533.8	40.6	64.8
90-180	1917.3	22.0	35.2
0-180	5451.1	62.6	100.0

RT65T12CA 3 Light lens/baffle

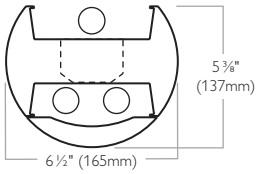


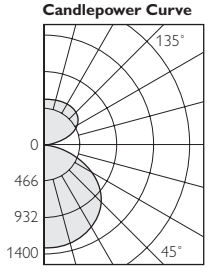


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1941.0	22.3	35.5
90-180	3531.4	40.6	64.5
0-180	5472.4	62.9	100.0

RT65T21CN 3 Light open/baffle

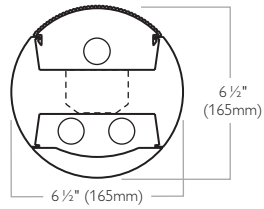


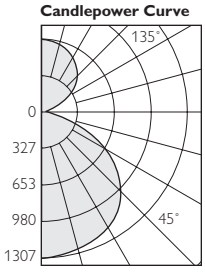


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1941.2	22.3	35.5
90-180	3531.5	40.6	64.5
0-180	5472.7	62.9	100.0

RT65T21CA 3 Light lens/baffle

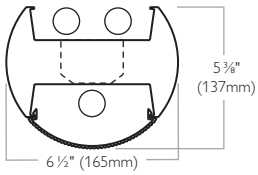


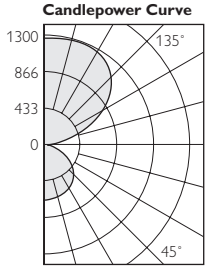


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	3623.1	41.6	65.4
90-180	1913.9	22.0	34.6
0-180	5537.0	63.6	100.0

RT65T12AN 3 Light open/lens

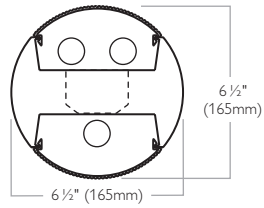


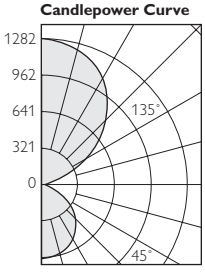


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1909.0	21.9	30.9
90-180	4268.4	49.1	69.1
0-180	6177.4	71.0	100.0

RT65T12AA 3 Light lens/lens





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1917.3	22.0	35.2
90-180	3533.8	40.6	64.8
0-180	5451.1	62.7	100.0

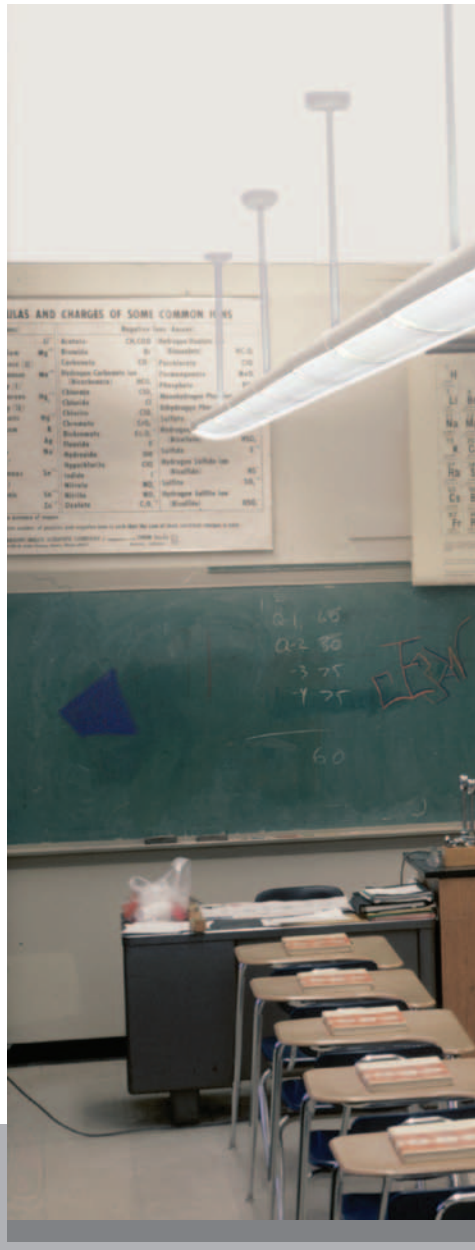
Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

RT									
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
RT	**61** = Direct **65** = Direct/ Indirect	**T10** = 1 T8-1 Dn / 0 Up **T20** = 2 T8-2 Dn / 0 Up **T30** = 3 T8-3 Dn / 0 Up **T12** = 3 T8-1 Dn / 2 Up **T22** = 4 T8-2 Dn / 2 Up **T11** = 2 T8-1 Dn / 1 Up **T21** = 3 T8-2 Dn / 1 Up	**A** = Curved Acrylic Lens **C** = Curved Baffle	**E** = Solid Housing **A** = Curved Acrylic Lens **N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D**= Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W**= Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

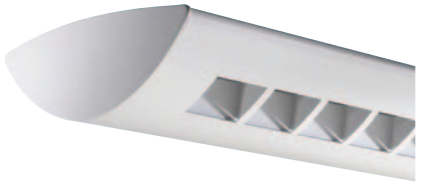
Standard



Contents

BaseLyte > 5.92
SQ6 > 5.112
Eye-Q > 5.118

Baselyte 2 light T8



Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 2 Light T8

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Run lengths are optimized with 4ft, 8ft and 12ft modules.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

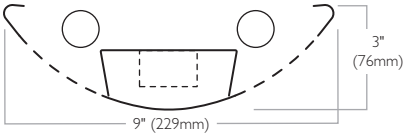
Approvals: Certified to UL and CSA standards.

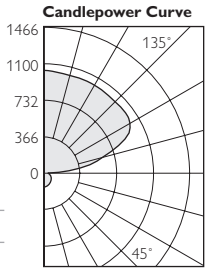
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL04T02IN Slot perf housing

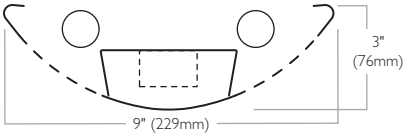


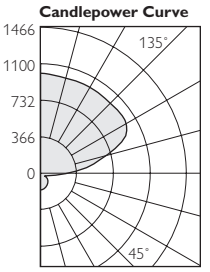


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	421.0	7.1	9.2
90-180	4145.2	70.3	90.8
0-180	4566.2	77.4	100.00

BL04T02LN Round perf housing

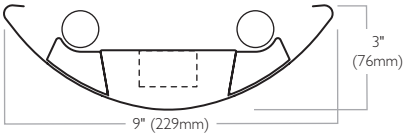


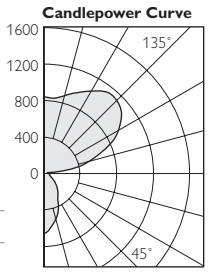


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	421.0	7.1	9.2
90-180	4145.2	70.3	90.8
0-180	4566.2	77.4	100.00

BL07T02CN Solid housing solid baffle

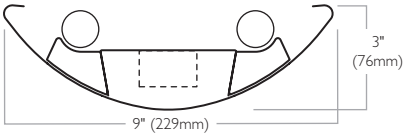


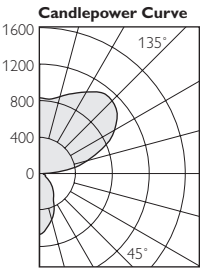


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1101.2	18.7	21.8
90-180	3951.2	67.0	78.2
0-180	5052.4	85.6	100.00

BL07T02RN Solid housing round perf baffle

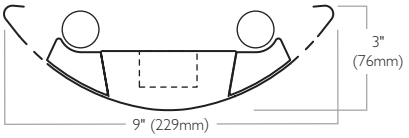


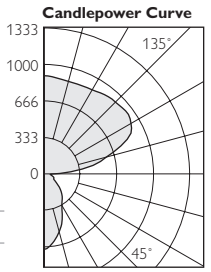


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1101.2	18.7	21.8
90-180	3951.2	67.0	78.2
0-180	5052.4	85.6	100.00

BL07T02MN Round perf housing solid baffle

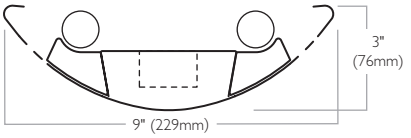


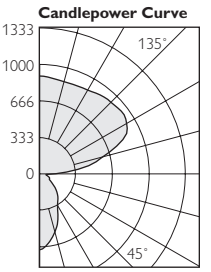


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1191.1	20.2	24.1
90-180	3759.0	63.7	75.9
0-180	4950.1	83.9	100.00

BL07T02TN Round perf housing round perf baffle





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1191.1	20.2	24.1
90-180	3759.0	63.7	75.9
0-180	4950.1	83.9	100.00

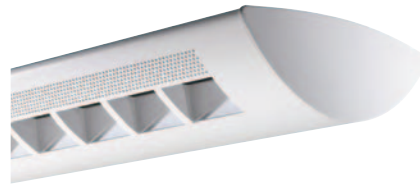
Baselyte 2 light T8

Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

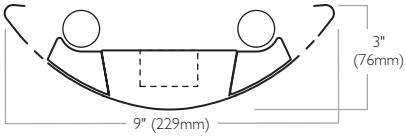
Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

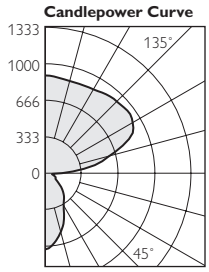
Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.



BL07T02UN Slot perf housing solid baffle



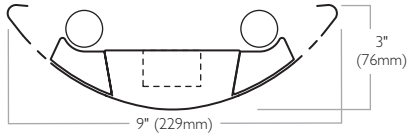
Candlepower Curve



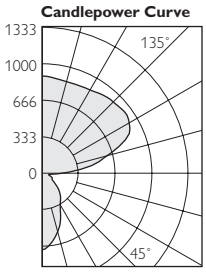
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1191.1	20.2	24.1
90-180	3759.0	63.7	75.9
0-180	4950.1	83.9	100.00

BL07T02ZN Slot perf housing round baffle



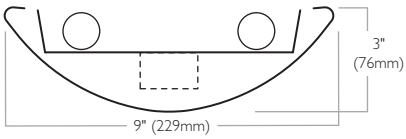
Candlepower Curve



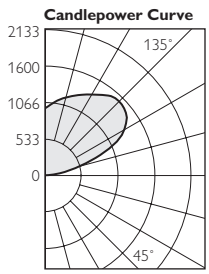
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1191.1	20.2	24.1
90-180	3759.0	63.7	75.9
0-180	4950.1	83.9	100.00

BL02T02EN Solid housing



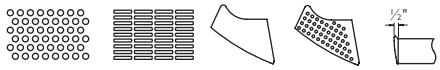
Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	5068.8	85.9	100.0
0-180	5068.8	85.9	100.00

Additional information



Round perf housing | Slot perf housing | Solid baffle | Round perf baffle | Flat endcap

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL		T02		N				E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance **03** = Indirect Standard Performance **04** = Semi-indirect High Performance **05** = Semi-indirect Standard Performance **06** = Direct/Indirect Standard Performance **07** = Direct/ Indirect High Performance	**T02** = 2-T8	**I** = Slot Perf Housing **L** = Round Perf Housing **C** = Solid Baffle **R** = Round Perf Baffle **M** = Round Perf Housing/Solid Baffle **T** = Round Perf Housing/ Round Perf Baffle **U** = Slot Perf Housing / Solid Baffle **Z** = Slot Perf Housing/ Round Perf Baffle **E** = Solid Housing	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

Baselyte 3 light T8

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 3 light T8

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Run lengths are optimized with 4ft, 8ft and 12ft modules.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

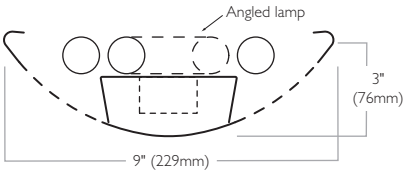
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

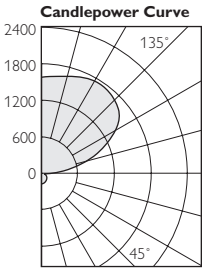
Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL04T03IN Slot perf housing



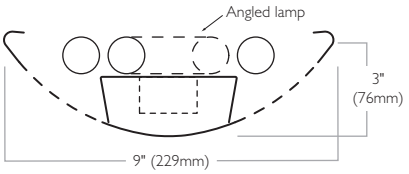
Candlepower Curve



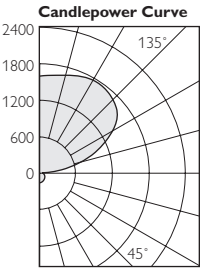
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	499.1	5.6	7.3
90-180	6368.9	72.0	92.7
0-180	6868.0	77.6	100.00

BL04T03LN Round perf housing



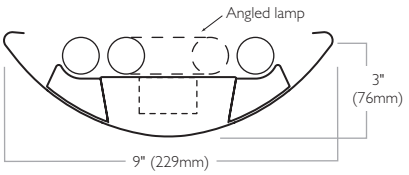
Candlepower Curve



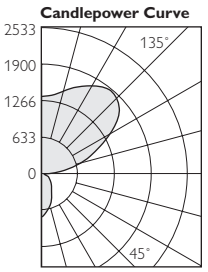
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	499.1	5.6	7.3
90-180	6368.9	72.0	92.7
0-180	6868.0	77.6	100.00

BL07T03CN Solid housing solid baffle



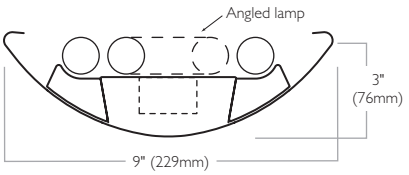
Candlepower Curve



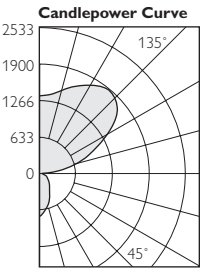
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1281.0	14.5	17.2
90-180	6167.9	69.7	82.8
0-180	7448.9	84.2	100.00

BL07T03RN Solid housing round perf baffle



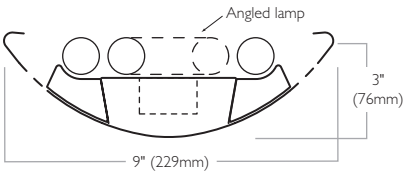
Candlepower Curve



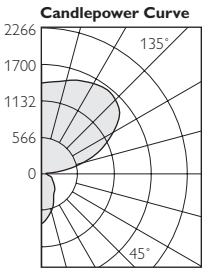
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1281.0	14.5	17.2
90-180	6167.9	69.7	82.8
0-180	7448.9	84.2	100.00

BL07T03MN Round perf housing solid baffle



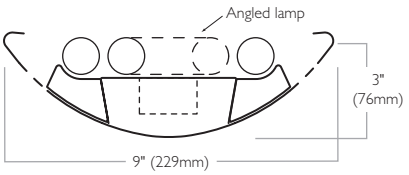
Candlepower Curve



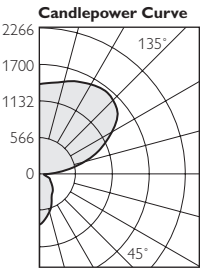
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1438.7	16.3	19.7
90-180	5879.6	66.4	80.3
0-180	7318.3	82.7	100.00

BL07T03TN Round perf housing round perf baffle



Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1438.7	16.3	19.7
90-180	5879.6	66.4	80.3
0-180	7318.3	82.7	100.00

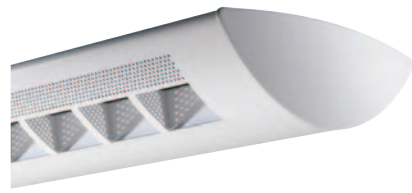
Baselyte 3 light T8

Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

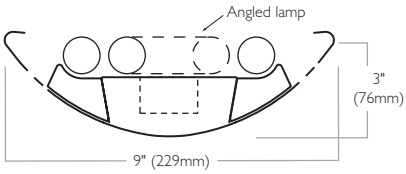
Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

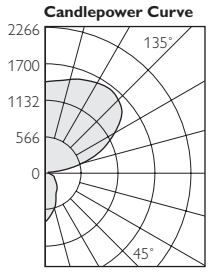
Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.



BL07T03UN Slot perf housing solid baffle

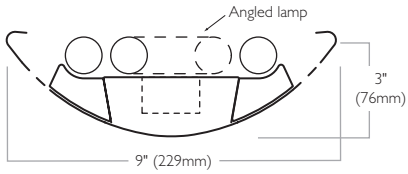


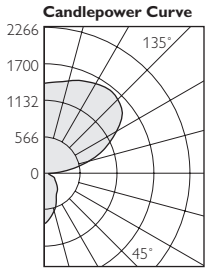


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1438.7	16.3	19.7
90-180	5879.6	66.4	80.3
0-180	7318.3	82.7	100.00

BL07T03ZN Slot perf housing round baffle

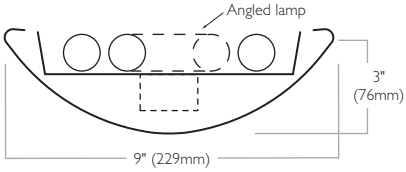


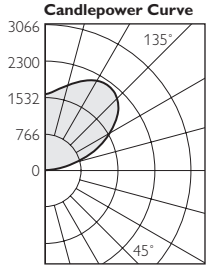


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1438.7	16.3	19.7
90-180	5879.6	66.4	80.3
0-180	7318.3	82.7	100.00

BL02T03EN Solid housing

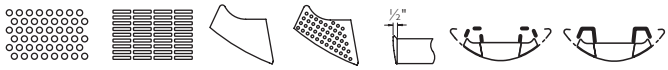




Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	7303.6	82.5	100.0
0-180	7303.6	82.5	100.00

Additional information



Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL		T03							E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance **03** = Indirect Standard Performance **04** = Semi-indirect High Performance **05** = Semi-indirect Standard Performance **06** = Direct/Indirect Standard Performance **07** = Direct/ Indirect High Performance	**T03** = 3-T8	**I** = Slot Perf Housing **L** = Round Perf Housing **C** = Solid Baffle **R** = Round Perf Baffle **M** = Round Perf Housing/Solid Baffle **T** = Round Perf Housing/ Round Perf Baffle **U** = Slot Perf Housing / Solid Baffle **Z** = Slot Perf Housing/ Round Perf Baffle **E** = Solid Housing	**N** = None **D** = Downlight Kit **Y** = Lamp separator		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D**= Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W**= Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

Baselyte 4 light T8

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 4 light T8

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Run lengths are optimized with 4ft, 8ft and 12ft modules.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

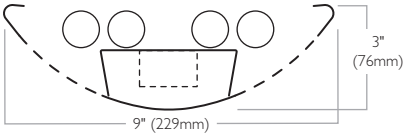
Approvals: Certified to UL and CSA standards.

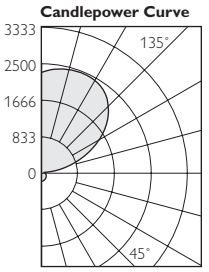
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL04T04IN Slot perf housing

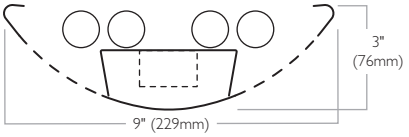


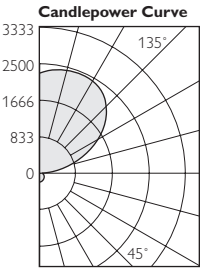


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	615.3	5.2	6.9
90-180	8308.1	70.4	93.1
0-180	8923.4	75.6	100.00

BL04T04LN Round perf housing

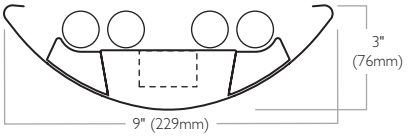


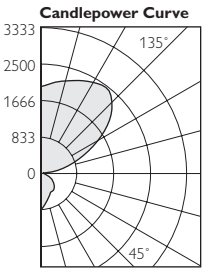


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	615.3	5.2	6.9
90-180	8308.1	70.4	93.1
0-180	8923.4	75.6	100.00

BL07T04CN Solid housing solid baffle

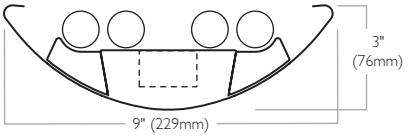


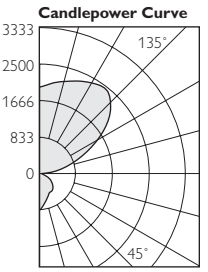


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1692.6	14.3	17.5
90-180	7959.1	67.5	82.5
0-180	9651.7	81.8	100.00

BL07T04RN Solid housing round perf baffle

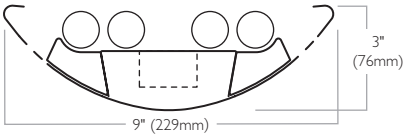


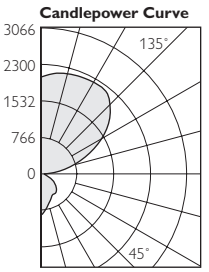


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1692.6	14.3	17.5
90-180	7959.1	67.5	82.5
0-180	9651.7	81.8	100.00

BL07T04MN Round perf housing solid Baffle

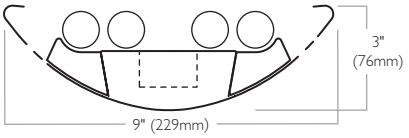


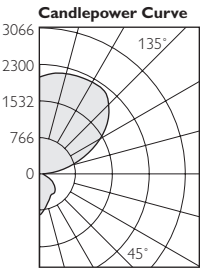


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1788.1	15.2	18.8
90-180	7736.5	65.6	81.2
0-180	9388.8	80.7	100.00

BL07T04TN Round perf housing round perf baffle





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1788.1	15.2	18.8
90-180	7736.5	65.6	81.2
0-180	9388.8	80.7	100.00

Baselyte 4 light T8

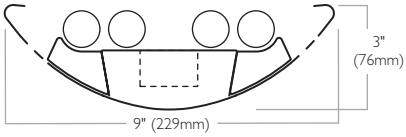
Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

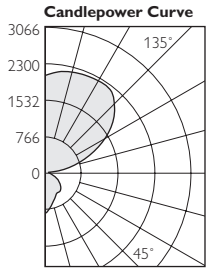
Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

BL07T04UN Slot perf housing solid baffle

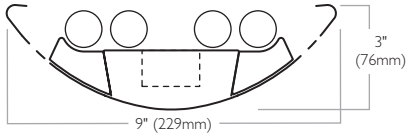


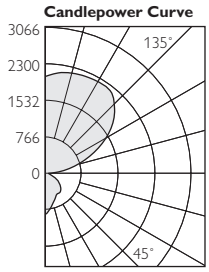


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1788.1	15.2	18.8
90-180	7736.5	65.6	81.2
0-180	9388.8	80.7	100.00

BL07T04ZN Slot perf housing round baffle

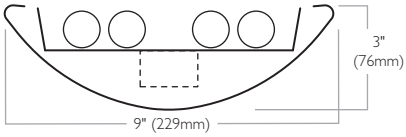


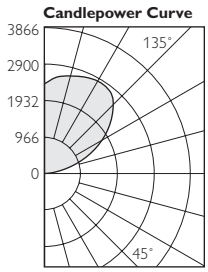


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1788.1	15.2	18.8
90-180	7736.5	65.6	81.2
0-180	9388.8	80.7	100.00

BL02T04EN Solid housing

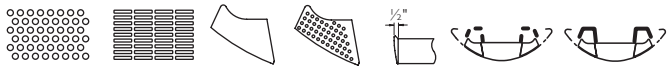




Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	9388.8	79.6	100.0
0-180	9388.8	79.6	100.00

Additional information



Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL		T04							E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance **03** = Indirect Standard Performance **04** = Semi-indirect High Performance **05** = Semi-indirect Standard Performance **06** = Direct/Indirect Standard Performance **07** = Direct/ Indirect High Performance	**T04** = 4-T8	**I** = Slot Perf Housing **L** = Round Perf Housing **C** = Solid Baffle **R** = Round Perf Baffle **M** = Round Perf Housing/Solid Baffle **T** = Round Perf Housing/ Round Perf Baffle **U** = Slot Perf Housing / Solid Baffle **Z** = Slot Perf Housing/ Round Perf Baffle **E** = Solid Housing	**N** = None **D** = Downlight Kit **Y** = Lamp separator		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D**= Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W**= Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

Baselyte 1 light T5HO

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 1 light T5HO

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Run lengths are optimized with 4ft, 8ft and 12ft modules.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

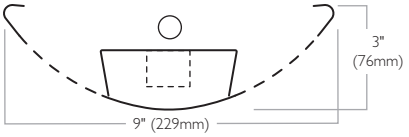
Approvals: Certified to UL and CSA standards.

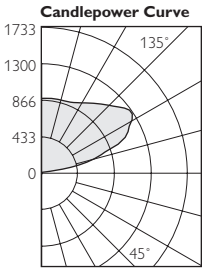
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL04H01IN Slot perf housing

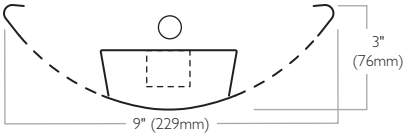


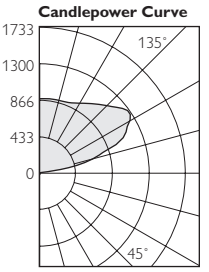


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	68.6	1.5	1.6
90-180	4175.7	89.8	98.4
0-180	4244.3	91.3	100.00

BL04H01LN Round perf housing

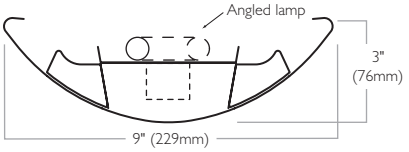


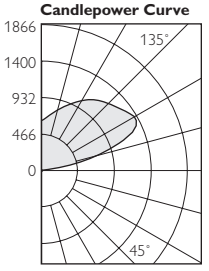


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	68.6	1.5	1.6
90-180	4175.7	89.8	98.4
0-180	4244.3	91.3	100.00

BL07H01CN Solid housing solid baffle

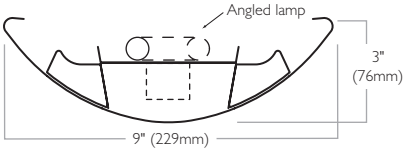


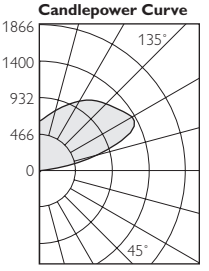


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	44.7	1.0	1.1
90-180	4210.6	90.5	98.9
0-180	4255.3	91.5	100.00

BL07H01RN Solid housing round perf baffle

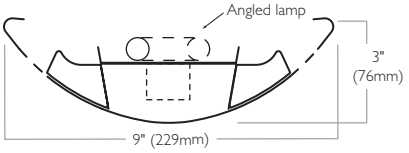


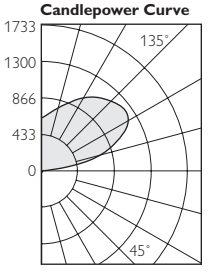


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	44.7	1.0	1.1
90-180	4210.6	90.5	98.9
0-180	4255.3	91.5	100.00

BL07H01MN Round perf housing solid baffle

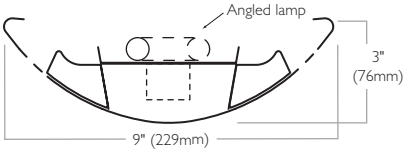


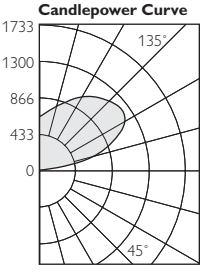


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	40.3	0.9	1.0
90-180	3984.8	85.7	99.0
0-180	4025.1	86.6	100.00

BL07H01TN Round perf housing round perf baffle





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	40.3	0.9	1.0
90-180	3984.8	85.7	99.0
0-180	4025.1	86.6	100.00

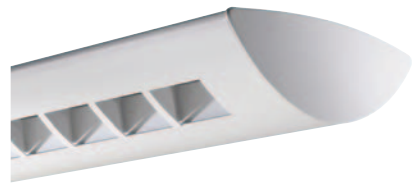
Baselyte 1 light T5HO

Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

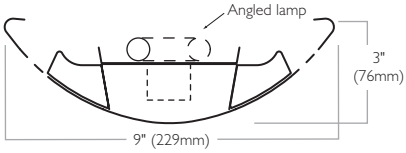
Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

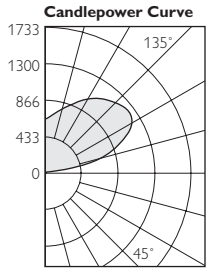
Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.



BL07H01UN Slot perf housing solid baffle

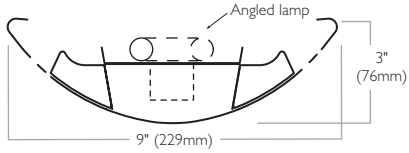


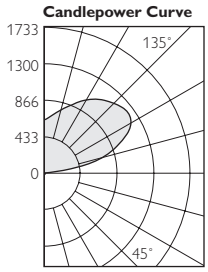


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	40.3	0.9	1.0
90-180	3984.8	85.7	99.0
0-180	4025.1	86.6	100.00

BL07H01ZN Slot perf housing round baffle

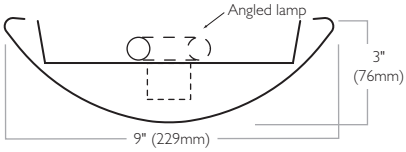


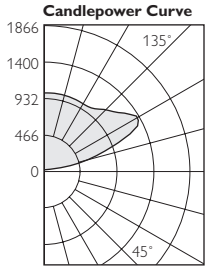


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	40.3	0.9	1.0
90-180	3984.8	85.7	99.0
0-180	4025.1	86.6	100.00

BL02H01EN Solid housing

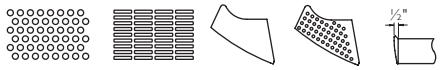




Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	4393.6	94.5	100.0
0-180	4393.6	94.5	100.00

Additional information



Round perf housing | Slot perf housing | Solid baffle | Round perf baffle | Flat endcap

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL — **Series**: **Baselyte**

Type: **02** = Indirect High Performance; **03** = Indirect Standard Performance; **04** = Semi-indirect High Performance; **05** = Semi-indirect Standard Performance; **06** = Direct/Indirect Standard Performance; **07** = Direct/Indirect High Performance

H01 — **Lamps**: **H01** = 1-T5HO

Lower optics: **I** = Slot Perf Housing; **L** = Round Perf Housing; **C** = Solid Baffle; **R** = Round Perf Baffle; **M** = Round Perf Housing/Solid Baffle; **T** = Round Perf Housing/ Round Perf Baffle; **U** = Slot Perf Housing / Solid Baffle; **Z** = Slot Perf Housing/ Round Perf Baffle; **E** = Solid Housing

N — **Upper optics**: **N** = None

Run length*

Wiring: **1** = 1 cct; **3** = 1 cct w/ Emergency cct; **5** = 1 cct w/ Battery Pack; **7** = 1 cct Dimming

Voltage: **1** = 120v Dimming; **2** = 277v Dimming; **D** = Dual 120/277v; **3** = 347v

E — **Ballast**: **E** = Standard Ballast

Color & finish: **W** = Standard White; **C** = Factory Color; **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

Baselyte 2 light T5HO

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 2 light T5HO

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Run lengths are optimized with 4ft, 8ft and 12ft modules.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

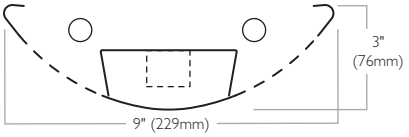
Approvals: Certified to UL and CSA standards.

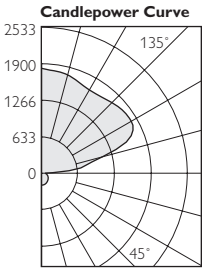
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL04H02IN Slot perf housing

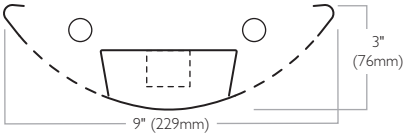


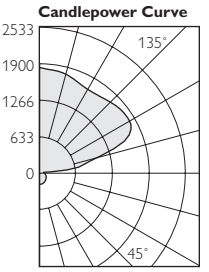


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	661.0	7.1	8.5
90-180	7145.7	76.8	91.5
0-180	7806.7	83.9	100.00

BL04H02LN Round perf housing

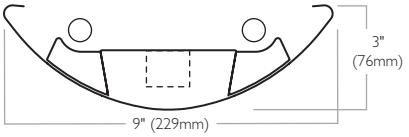


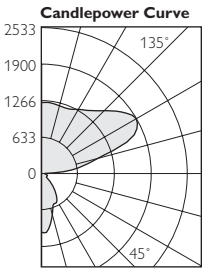


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	661.0	7.1	8.5
90-180	7145.7	76.8	91.5
0-180	7806.7	83.9	100.00

BL07H02CN Solid housing solid baffle

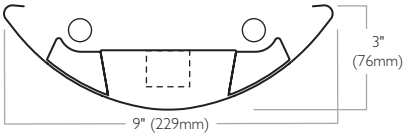


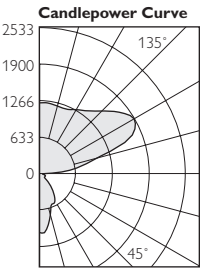


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1616.8	17.4	21.0
90-180	6083.7	65.4	79.0
0-180	7700.5	82.8	100.00

BL07H02RN Solid housing round perf baffle

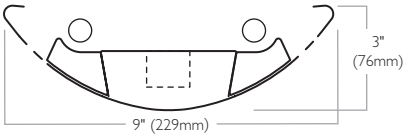


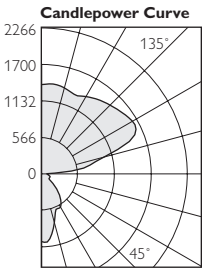


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1616.8	17.4	21.0
90-180	6083.7	65.4	79.0
0-180	7700.5	82.8	100.00

BL07H02MN Round perf housing solid baffle

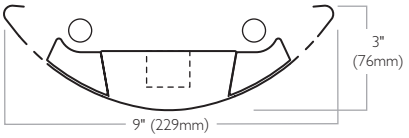


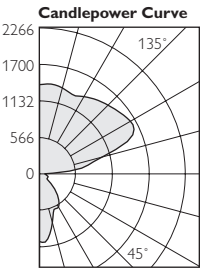


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1801.9	19.4	22.6
90-180	6166.6	66.3	77.4
0-180	7968.5	85.7	100.00

BL07H02TN Round perf housing round perf baffle





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1801.9	19.4	22.6
90-180	6166.6	66.3	77.4
0-180	7968.5	85.7	100.00

Baselyte 2 light T5HO

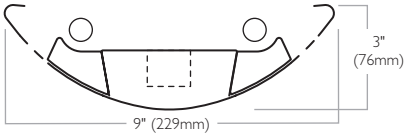
Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

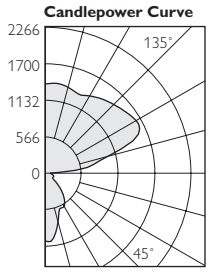
Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

BL07H02UN Slot perf housing solid baffle

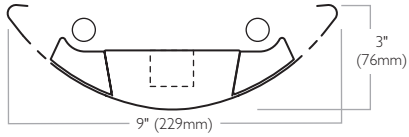


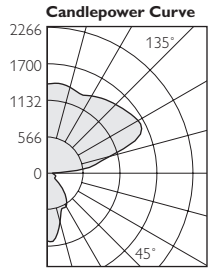


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1801.9	19.4	22.6
90-180	6166.6	66.3	77.4
0-180	7968.5	85.7	100.00

BL07H02ZN Slot perf housing round baffle

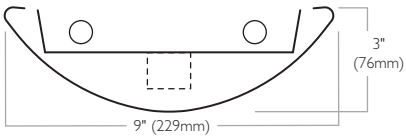


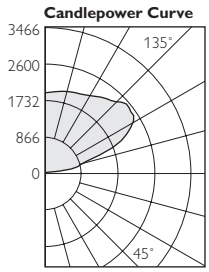


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1801.9	19.4	22.6
90-180	6166.6	66.3	77.4
0-180	7968.5	85.7	100.00

BL02H02EN Solid housing

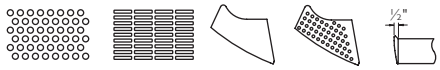




Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	8660.9	93.1	100.0
0-180	8660.9	93.1	100.00

Additional information



Round perf housing | Slot perf housing | Solid baffle | Round perf baffle | Flat endcap

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL — **Series**: **Baselyte**

Type
- **02** = Indirect High Performance
- **03** = Indirect Standard Performance
- **04** = Semi-indirect High Performance
- **05** = Semi-indirect Standard Performance
- **06** = Direct/Indirect Standard Performance
- **07** = Direct/Indirect High Performance

H02 — **Lamps**: **H02** = 2-T5HO

Lower optics
- **I** = Slot Perf Housing
- **L** = Round Perf Housing
- **C** = Solid Baffle
- **R** = Round Perf Baffle
- **M** = Round Perf Housing/Solid Baffle
- **T** = Round Perf Housing/ Round Perf Baffle
- **U** = Slot Perf Housing / Solid Baffle
- **Z** = Slot Perf Housing/ Round Perf Baffle
- **E** = Solid Housing

N — **Upper optics**: **N** = None

Run length*

Wiring
- **1** = 1 cct
- **2** = 2 cct
- **3** = 1 cct w/ Emergency cct
- **4** = 2 cct w/ Emergency cct
- **5** = 1 cct w/ Battery Pack
- **6** = 2 cct w/ Battery Pack
- **7** = 1 cct Dimming

Voltage
- **1** = 120v Dimming
- **2** = 277v Dimming
- **D** = Dual 120/277v
- **3** = 347v

E — **Ballast**: **E** = Standard Ballast

Color & finish
- **W** = Standard White
- **C** = Factory Color
- **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

Baselyte 3 light T5HO

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 3 light T5HO

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Run lengths are optimized with 4ft, 8ft and 12ft modules.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

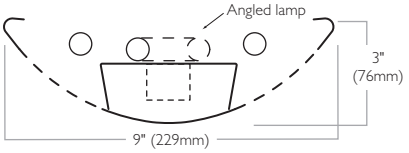
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

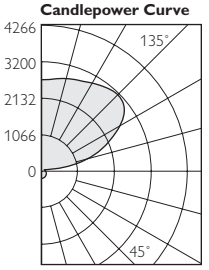
BL04H03IN Slot perf housing



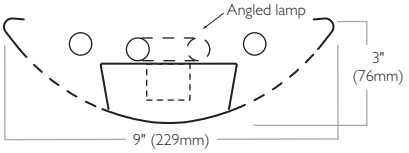
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	804.9	5.8	6.7
90-180	11224.9	80.5	93.3
0-180	12029.7	86.2	100.00

Candlepower Curve



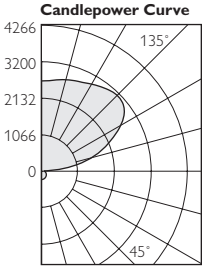
BL04H03LN Round perf housing



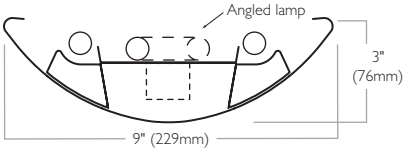
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	804.9	5.8	6.7
90-180	11224.9	80.5	93.3
0-180	12029.7	86.2	100.00

Candlepower Curve



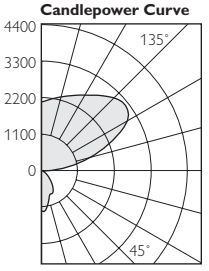
BL07H03CN Solid housing solid baffle



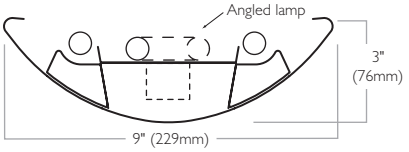
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2233.3	16.0	17.3
90-180	10668.7	76.5	82.7
0-180	12902.0	92.5	100.00

Candlepower Curve



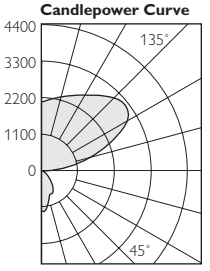
BL07H03RN Solid housing round perf baffle



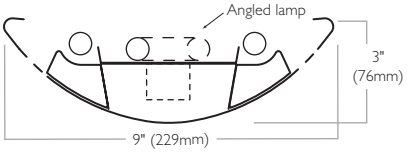
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2233.3	16.0	17.3
90-180	10668.7	76.5	82.7
0-180	12902.0	92.5	100.00

Candlepower Curve



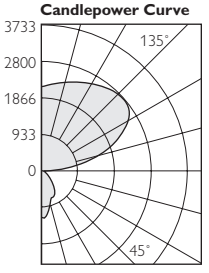
BL07H03MN Round perf housing solid baffle



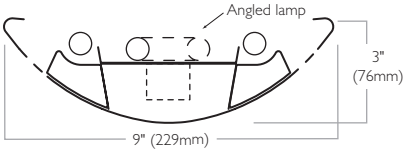
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2211.9	15.9	17.7
90-180	10252.9	73.5	82.3
0-180	12464.8	89.4	100.00

Candlepower Curve



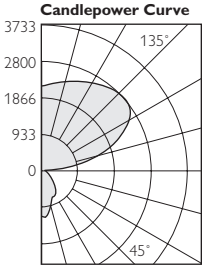
BL07H03TN Round perf housing round perf baffle



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2211.9	15.9	17.7
90-180	10252.9	73.5	82.3
0-180	12464.8	89.4	100.00

Candlepower Curve



Baselyte 3 light T5HO

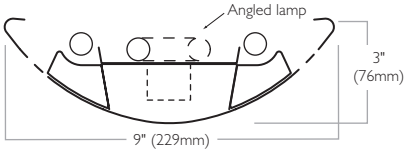
Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

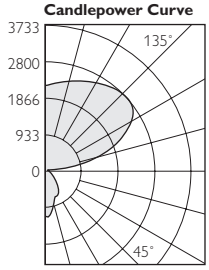
Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

BL07H03UN Slot perf housing solid baffle

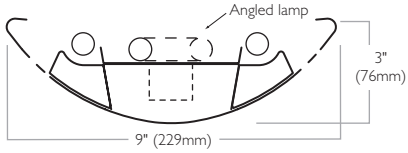


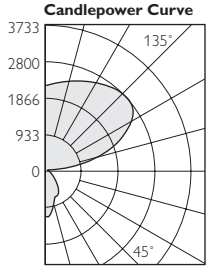


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2211.9	15.9	17.7
90-180	10252.9	73.5	82.3
0-180	12464.8	89.4	100.00

BL07H03ZN Slot perf housing round baffle

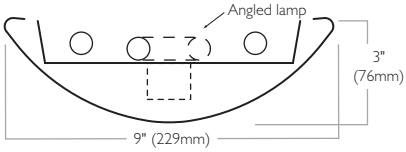


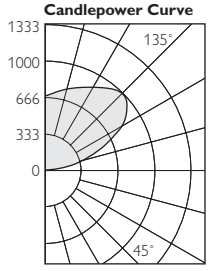


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2211.9	15.9	17.7
90-180	10252.9	73.5	82.3
0-180	12464.8	89.4	100.00

BL02H03EN Solid housing

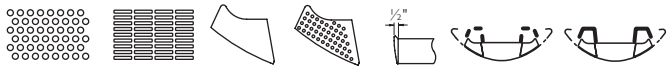




Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	12988.7	93.1	100.0
0-180	12988.7	93.1	100.00

Additional information



Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL		H03						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance	**H03** = 3-T5H0	**I** = Slot Perf Housing	**N** = None		**1** = 1 cct	**1** = 120v Dimming	**E** = Standard Ballast	**W** = Standard White
	03 = Indirect Standard Performance		**L** = Round Perf Housing	**D** = Downlight Kit		**2** = 2 cct	**2** = 277v Dimming		**C** = Factory Color
	04 = Semi-indirect High Performance		**C** = Solid Baffle	**Y** = Lamp separator		**3** = 1 cct w/ Emergency cct	**D** = Dual 120/277v		**X** = Custom Color
	05 = Semi-indirect Standard Performance		**R** = Round Perf Baffle			**4** = 2 cct w/ Emergency cct	**3** = 347v		
	06 = Direct/Indirect Standard Performance		**M** = Round Perf Housing/Solid Baffle			**5** = 1 cct w/ Battery Pack			
	07 = Direct/ Indirect High Performance		**T** = Round Perf Housing/ Round Perf Baffle			**6** = 2 cct w/ Battery Pack			
			U = Slot Perf Housing / Solid Baffle			**7** = 1 cct Dimming			
			Z = Slot Perf Housing/ Round Perf Baffle						
			E = Solid Housing						

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

Baselyte 4 light T5HO

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 4 light T5HO

Mounting: Pendant: Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements. Run lengths are optimized with 4ft, 8ft and 12ft modules.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

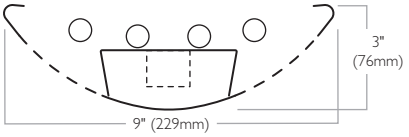
Approvals: Certified to UL and CSA standards.

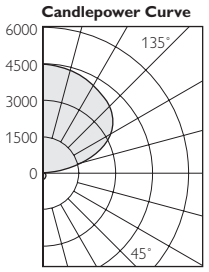
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL05HO4IN Slot perf housing

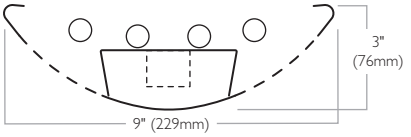


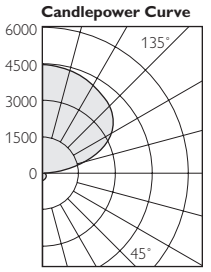


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	936.1	5.0	5.6
90-180	15760.2	84.7	94.4
0-180	16696.3	89.8	100.00

BL05HO4LN Round perf housing

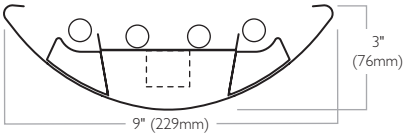


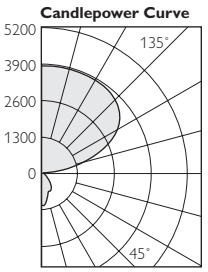


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	936.1	5.0	5.6
90-180	15760.2	84.7	94.4
0-180	16696.3	89.8	100.00

BL06HO4CN Solid housing solid baffle

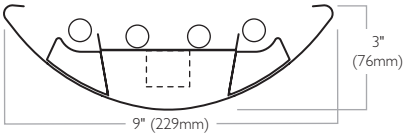


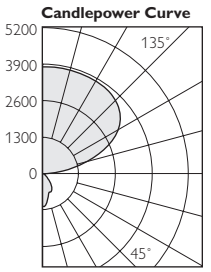


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2137.7	11.5	13.0
90-180	14326.4	77.0	87.0
0-180	1646.1	88.5	100.00

BL06HO4RN Solid housing round perf baffle

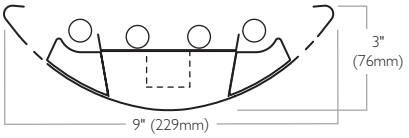


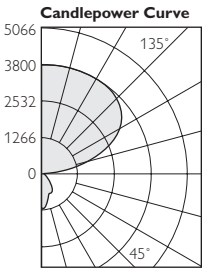


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2137.7	11.5	13.0
90-180	14326.4	77.0	87.0
0-180	1646.1	88.5	100.00

BL06HO4MN Round perf housing solid baffle

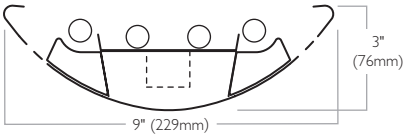


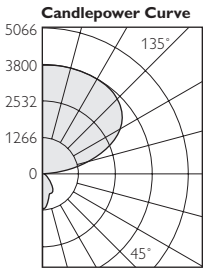


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2301.5	12.4	13.8
90-180	14337.2	77.1	86.2
0-180	16638.7	89.5	100.00

BL06HO4TN Round perf housing round perf baffle





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2301.5	12.4	13.8
90-180	14337.2	77.1	86.2
0-180	16638.7	89.5	100.00

Baselyte 4 light T5HO

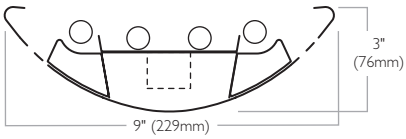
Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

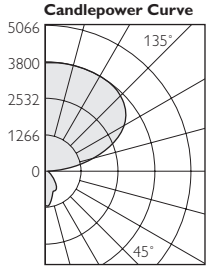
Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

BL06HO4UN Slot perf housing solid baffle



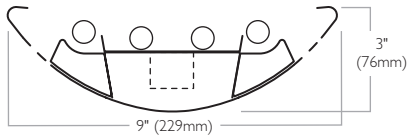
Candlepower Curve



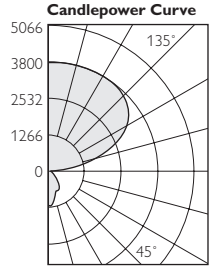
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2301.5	12.4	13.8
90-180	14337.2	77.1	86.2
0-180	16638.7	89.5	100.00

BL06HO4ZN Slot perf housing round baffle



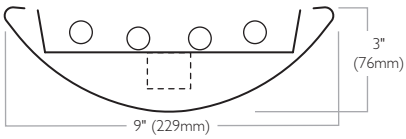
Candlepower Curve



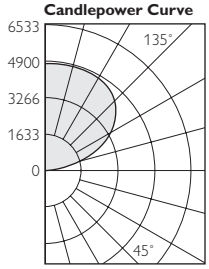
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	2301.5	12.4	13.8
90-180	14337.2	77.1	86.2
0-180	16638.7	89.5	100.00

BL03HO4EN Solid housing



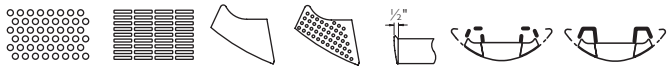
Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	17097.0	91.9	100.0
0-180	17097.0	91.9	100.00

Additional information



Round perf housing | Slot perf housing | Solid baffle | Round perf baffle | Flat endcap | Down kit | Lamp separator

Mount type

Aircraft cable mounts

A1 Non-accessible ceiling, 0°–15° slope
A3 Non-accessible ceiling, 0°–90° slope
A2 T-bar fixed position mount (standard tee, slot tee, regular tile)
A5 T-bar variable position mount (standard tee, standard tile)
A6-1 T-bar on-grid mount 15/16" standard tee
A6-2 T-bar on-grid mount 9/16" standard tee
A6-3 T-bar on-grid mount 9/16" x 15/16" slot tee

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL		H04						E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance **03** = Indirect Standard Performance **04** = Semi-indirect High Performance **05** = Semi-indirect Standard Performance **06** = Direct/Indirect Standard Performance **07** = Direct/ Indirect High Performance	**H04** = 4-T5H0	**I** = Slot Perf Housing **L** = Round Perf Housing **C** = Solid Baffle **R** = Round Perf Baffle **M** = Round Perf Housing/Solid Baffle **T** = Round Perf Housing/ Round Perf Baffle **U** = Slot Perf Housing / Solid Baffle **Z** = Slot Perf Housing/ Round Perf Baffle **E** = Solid Housing	**N** = None **D** = Downlight Kit **Y** = Lamp separator		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D**= Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W**= Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.
The downlight kit and lamp separator are available with any baffle fixture.

Baselyte 1 light T5HO wall

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 1 light T5HO

Mounting: Wall: Brackets attach to the existing structure, variable within 6" of end or joint. Minimum of one mount per fixture end or joint. Mount is not continuous therefore the fixture is not flush to the wall.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

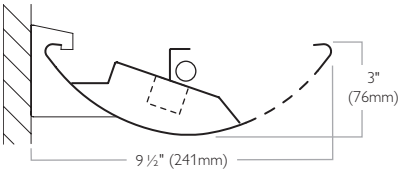
Approvals: Certified to UL and CSA standards.

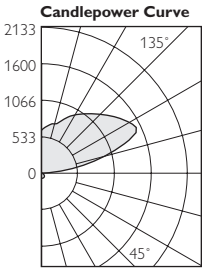
Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL08HO1IN Slot perf housing

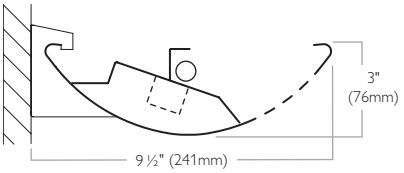


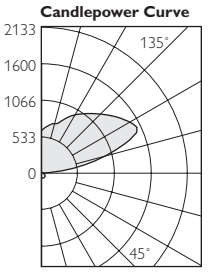


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	200.8	4.3	6.3
90-180	2977.2	64.0	93.7
0-180	3178.0	68.3	100.00

BL08HO1LN Round perf housing

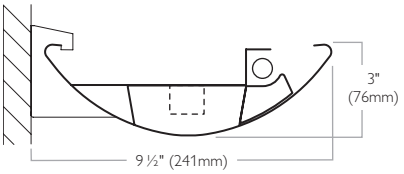


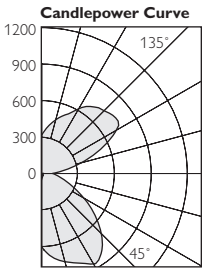


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	200.8	4.3	6.3
90-180	2977.2	64.0	93.7
0-180	3178.0	68.3	100.00

BL08HO1CN Solid housing solid baffle

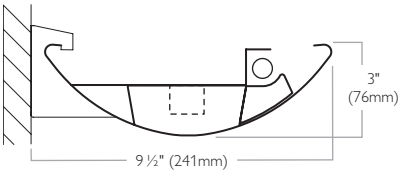


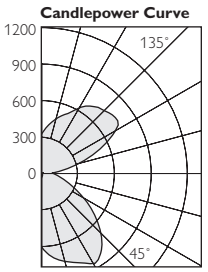


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1301.4	28.0	44.9
90-180	1598.9	34.4	55.1
0-180	2900.3	62.4	100.00

BL08HO1RN Solid housing round perf baffle

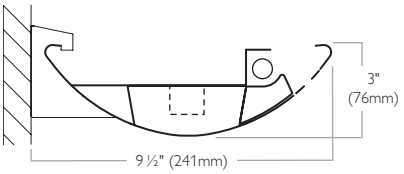


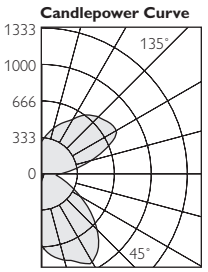


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1301.4	28.0	44.9
90-180	1598.9	34.4	55.1
0-180	2900.3	62.4	100.00

BL08HO1MN Round perf housing solid baffle

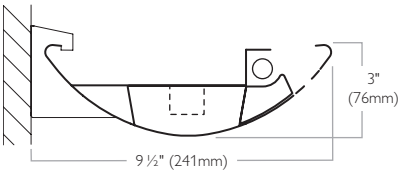


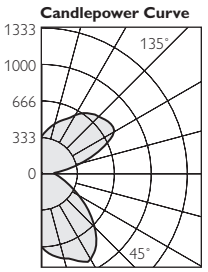


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1410.5	30.3	45.6
90-180	1682.1	36.2	54.4
0-180	3092.6	66.5	100.00

BL08HO1TN Round perf housing round perf baffle





Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1410.5	30.3	45.6
90-180	1682.1	36.2	54.4
0-180	3092.6	66.5	100.00

Baselyte 1 light T5HO wall

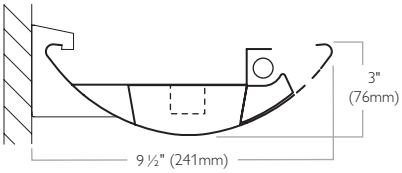
Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a direct/indirect distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

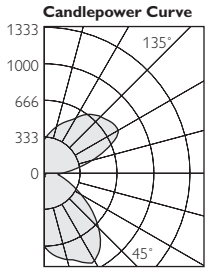
Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

BL08HO1UN Slot perf housing solid baffle



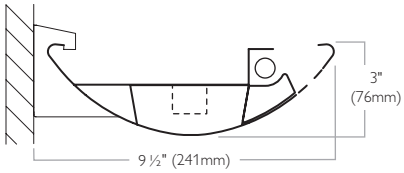
Candlepower Curve



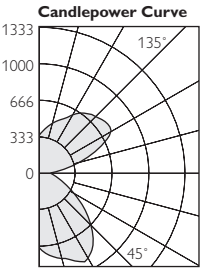
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1410.5	30.3	45.6
90-180	1682.1	36.2	54.4
0-180	3092.6	66.5	100.00

BL08HO1ZN Slot perf housing round baffle



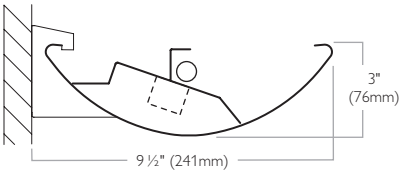
Candlepower Curve



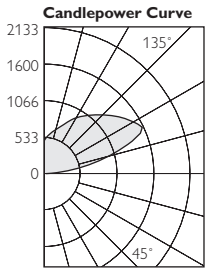
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	1410.5	30.3	45.6
90-180	1682.1	36.2	54.4
0-180	3092.6	66.5	100.00

BL08HO1EN Solid housing



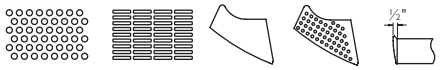
Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	2706.6	58.2	100.0
0-180	2706.6	58.2	100.00

Additional information



Round perf housing | Slot perf housing | Solid baffle | Round perf baffle | Flat endcap

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL		H01		N				E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance **03** = Indirect Standard Performance **04** = Semi-indirect High Performance **05** = Semi-indirect Standard Performance **06** = Direct/Indirect Standard Performance **07** = Direct/ Indirect High Performance	1-T5H0	**I** = Slot Perf Housing **L** = Round Perf Housing **C** = Solid Baffle **R** = Round Perf Baffle **M** = Round Perf Housing/Solid Baffle **T** = Round Perf Housing/ Round Perf Baffle **U** = Slot Perf Housing / Solid Baffle **Z** = Slot Perf Housing/ Round Perf Baffle **E** = Solid Housing	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

Baselyte 1 light T8 wall

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 1 light T8

Mounting: Wall: Brackets attach to the existing structure, variable within 6" of end or joint. Minimum of one mount per fixture end or joint. Mount is not continuous therefore the fixture is not flush to the wall.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

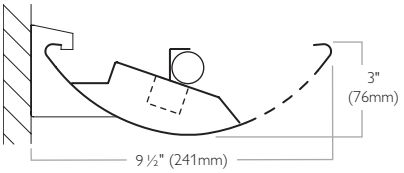
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

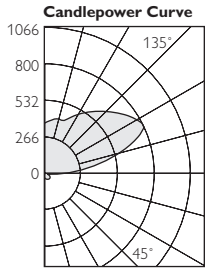
Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL08TO1IN Slot perf housing

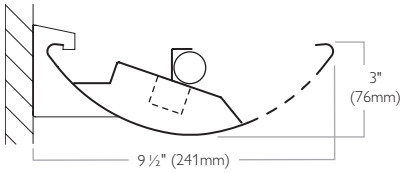


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	99.9	3.4	5.8
90-180	1631.6	55.3	94.2
0-180	1731.5	58.7	100.00

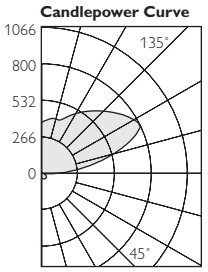


BL08TO1LN Round perf housing

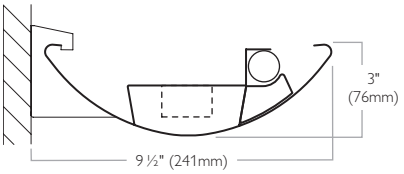


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	99.9	3.4	5.8
90-180	1631.6	55.3	94.2
0-180	1731.5	58.7	100.00

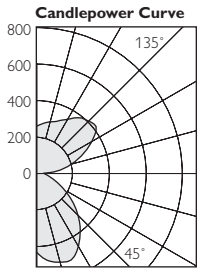


BL08TO1CN Solid housing solid baffle

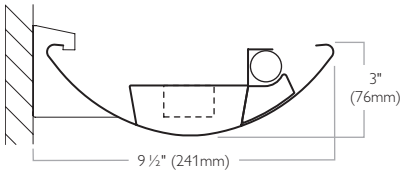


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	787.3	26.7	44.7
90-180	973.3	33.0	55.3
0-180	1760.6	59.7	100.00

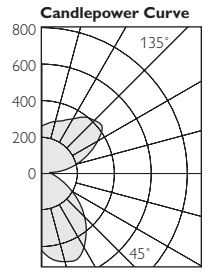


BL08TO1RN Solid housing round perf baffle

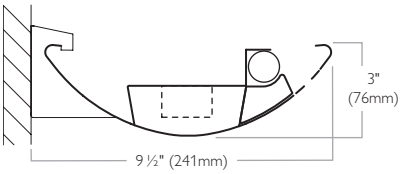


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	787.3	26.7	44.7
90-180	973.3	33.0	55.3
0-180	1760.6	59.7	100.00

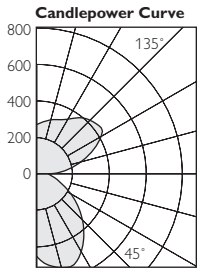


BL08TO1MN Round perf housing solid baffle

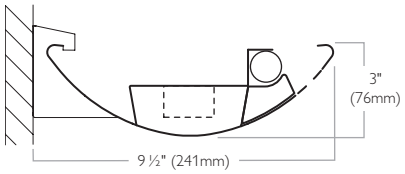


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	844.9	28.6	44.6
90-180	1048.5	35.5	55.4
0-180	1893.4	64.2	100.00

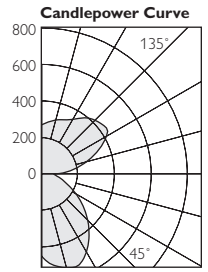


BL08TO1TN Round perf housing round perf baffle



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	844.9	28.6	44.6
90-180	1048.5	35.5	55.4
0-180	1893.4	64.2	100.00



Baselyte 1 light T8 wall

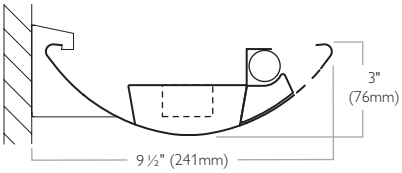
Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a direct/indirect distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

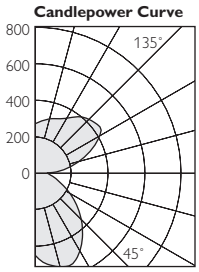
Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

BL08TO1UN Slot perf housing solid baffle

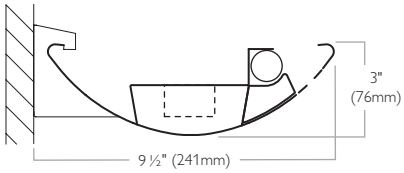


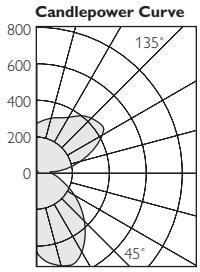


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	844.9	28.6	44.6
90-180	1048.5	35.5	55.4
0-180	1893.4	64.2	100.00

BL08TO1ZN Slot perf housing round baffle

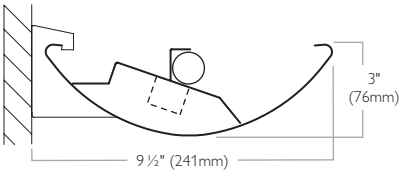


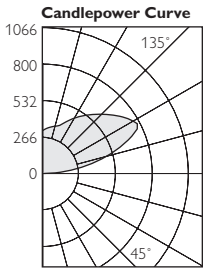


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	844.9	28.6	44.6
90-180	1048.5	35.5	55.4
0-180	1893.4	64.2	100.00

BL08TO1EN Solid housing

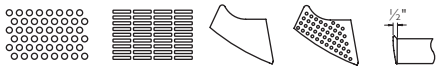




Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	1477.4	50.1	100.0
0-180	1477.4	50.1	100.00

Additional information



Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

BL		T01		N				E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance **03** = Indirect Standard Performance **04** = Semi-indirect High Performance **05** = Semi-indirect Standard Performance **06** = Direct/Indirect Standard Performance **07** = Direct/ Indirect High Performance	**T01** = 1-T8	**I** = Slot Perf Housing **L** = Round Perf Housing **C** = Solid Baffle **R** = Round Perf Baffle **M** = Round Perf Housing/Solid Baffle **T** = Round Perf Housing/ Round Perf Baffle **U** = Slot Perf Housing / Solid Baffle **Z** = Slot Perf Housing/ Round Perf Baffle **E** = Solid Housing	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

Baselyte 2 light T8 wall

Housing: Die-formed 20 gauge cold-rolled steel.

Lamps: 2 light T8

Mounting: Wall: Brackets attach to the existing structure, variable within 6" of end or joint. Minimum of one mount per fixture end or joint. Mount is not continuous therefore the fixture is not flush to the wall.

Electrical: Factory pre-wired to section ends with quick-wire connectors.

Ballast: Electronic.

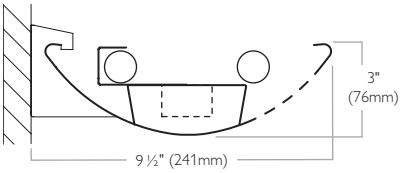
Approvals: Certified to UL and CSA standards.

Finish: High-quality powder coat. Available in standard white textured matte finish and a selection of other factory and customer specified colors. Consult factory for details.

Endcaps: Die-cast endcap. Endcaps add 1in to the overall length of the run.

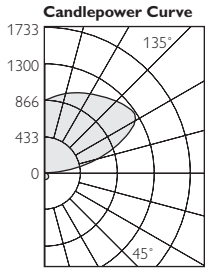
Joints: Self-aligning joining system with hands-free pre-joining wire access.

BL08TO2IN Slot perf housing

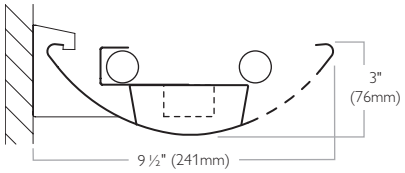


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	211.0	3.6	5.1
90-180	3886.6	65.9	94.9
0-180	4097.6	69.5	100.00

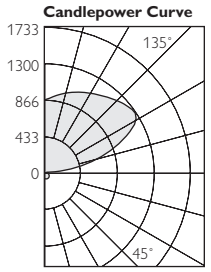


BL08TO2LN Round perf housing

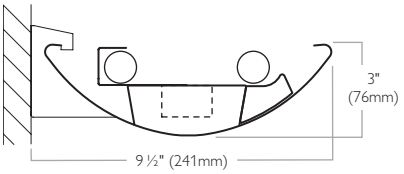


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	211.0	3.6	5.1
90-180	3886.6	65.9	94.9
0-180	4097.6	69.5	100.00

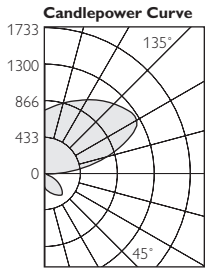


BL08TO2CN Solid housing solid baffle

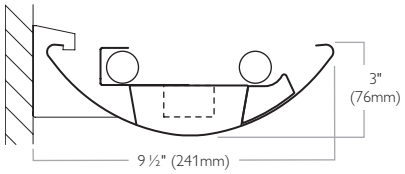


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	449.3	7.6	10.9
90-180	3672.4	62.2	89.1
0-180	4121.7	69.9	100.00

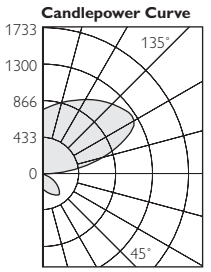


BL08TO2RN Solid housing round perf baffle

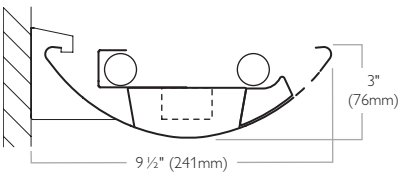


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	449.3	7.6	10.9
90-180	3672.4	62.2	89.1
0-180	4121.7	69.9	100.00

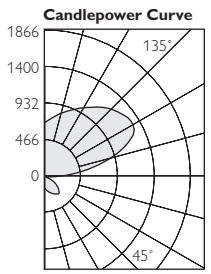


BL08TO2MN Round perf housing solid baffle

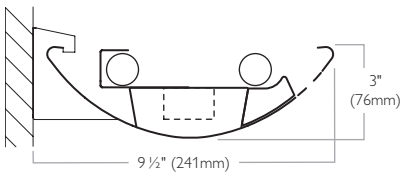


Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	399.1	6.8	10.1
90-180	3553.1	60.2	89.9
0-180	3952.2	67.0	100.00

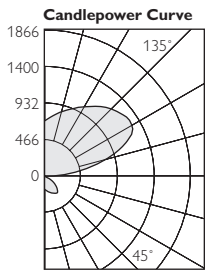


BL08TO2TN Round perf housing round perf baffle



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	399.1	6.8	10.1
90-180	3553.1	60.2	89.9
0-180	3952.2	67.0	100.00



Baselyte 2 light T8 wall

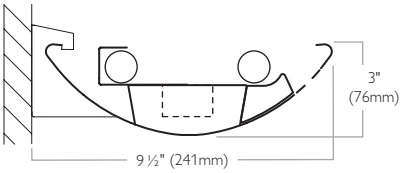
Optical system: Direct/Indirect: Constructed of 96% reflective white steel to produce a indirect/direct distribution. Baffles are white blades spaced 2-7/16" apart and are 3/4" deep (18 cells per 4ft section). Perforation of baffles and housing is optional. Perforated housing options include acrylic overlay. Optional field-installable variable optics kits provide additional downlight as required for 3 and 4 light T5 or T8 fixtures.

Semi-indirect: Constructed of 96% reflective white steel with perforated housing and acrylic overlay to produce a Semi-indirect distribution. Perforated housing available in round or slot perforation patterns.

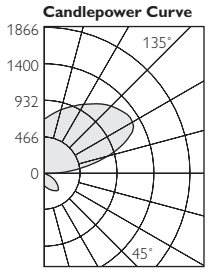
Indirect: Constructed of 96% reflective white steel to produce an indirect distribution. High performance options use additional highly-specular aluminum reflectors.

Options: Available upgrade options include dust cover, lamps included and lamps installed. These upgrades can be ordered using the specification sheets.

BL08TO2UN Slot perf housing solid baffle



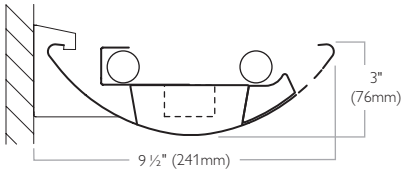
Candlepower Curve



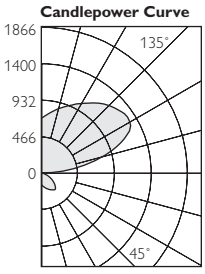
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	399.1	6.8	10.1
90-180	3553.1	60.2	89.9
0-180	3952.2	67.0	100.00

BL08TO2ZN Slot perf housing round baffle



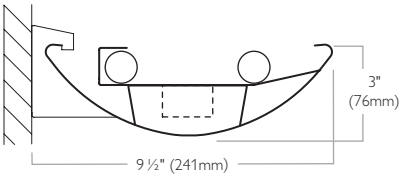
Candlepower Curve



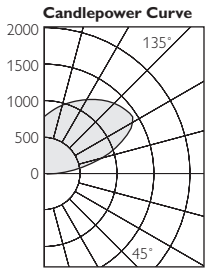
Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	399.1	6.8	10.1
90-180	3553.1	60.2	89.9
0-180	3952.2	67.0	100.00

BL08TO2EN Solid housing



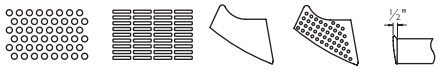
Candlepower Curve



Distribution

Zone	Lumens	% Lamp	% Luminaire
0-90	0.0	0.0	0.0
90-180	3859.9	65.4	100.0
0-180	3859.9	65.4	100.00

Additional information



Round perf housing | Slot perf housing | Solid baffle | Round perf baffle | Flat endcap

Ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

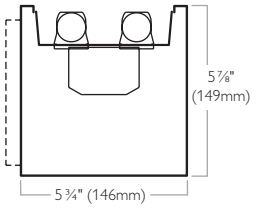
BL		T02		N				E	
Series	**Type**	**Lamps**	**Lower optics**	**Upper optics**	**Run length***	**Wiring**	**Voltage**	**Ballast**	**Color & finish**
Baselyte	**02** = Indirect High Performance **03** = Indirect Standard Performance **04** = Semi-indirect High Performance **05** = Semi-indirect Standard Performance **06** = Direct/Indirect Standard Performance **07** = Direct/ Indirect High Performance	**T02** = 2-T8	**I** = Slot Perf Housing **L** = Round Perf Housing **C** = Solid Baffle **R** = Round Perf Baffle **M** = Round Perf Housing/Solid Baffle **T** = Round Perf Housing/ Round Perf Baffle **U** = Slot Perf Housing / Solid Baffle **Z** = Slot Perf Housing/ Round Perf Baffle **E** = Solid Housing	**N** = None		**1** = 1 cct **2** = 2 cct **3** = 1 cct w/ Emergency cct **4** = 2 cct w/ Emergency cct **5** = 1 cct w/ Battery Pack **6** = 2 cct w/ Battery Pack **7** = 1 cct Dimming	**1** = 120v Dimming **2** = 277v Dimming **D** = Dual 120/277v **3** = 347v	**E** = Standard Ballast	**W** = Standard White **C** = Factory Color **X** = Custom Color

*Run length in feet (4 ft increments).
For runs with battery packs or dimming the voltage must be dedicated 1, 2 or 3.

SQ6

Architectural profiles

SQ6-1 2 Light T8 indirect pendant or wall mounted



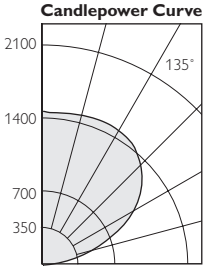
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	0	0.0	0.0
90-180	4998	84.7	100.0
80-180	4998	84.7	100.0

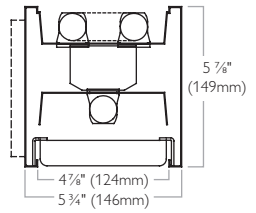
Reference data

Report no:	TL53182	Lumens:	2950
Cat no:	SQ624IPN1	Efficiency:	84.7%
Lamps:	2-F32T8		

Candlepower Curve



SQ6-2 2 Light T8 bi-directional pendant or wall mounted



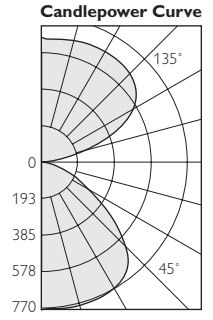
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1739	29.5	41.3
90-180	2471	41.9	58.7
0-180	4210	71.4	100.0

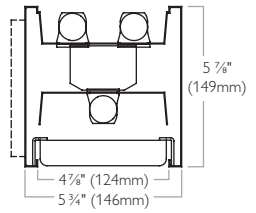
Reference data

Report no:	ITL53185	Lumens:	2950
Cat no:	SQ624BPS1	Efficiency:	71.4%
Lamps:	2-F32T8		

Candlepower Curve



SQ6-3 3 Light T8 bi-directional pendant or wall mounted



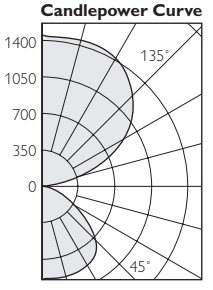
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2104	23.8	29.9
90-180	4932	55.7	70.1
0-180	7036	79.5	100.0

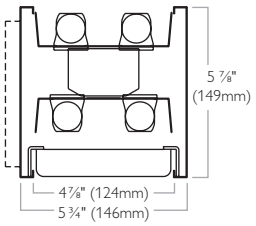
Reference data

Report no:	ITL53185	Lumens:	2950
Cat no:	SQ634BPS1	Efficiency:	79.5%
Lamps:	3-F32T8		

Candlepower Curve



SQ6-4 4 Light T8 bi-directional pendant or wall mounted



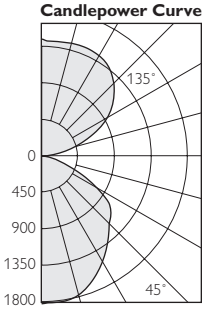
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3900	33.0	44.1
90-180	4953	42.0	55.9
0-180	8854	75.0	100.0

Reference data

Report no:	ITL53180	Lumens:	2950
Cat no:	SQ644BPS1	Efficiency:	75.0%
Lamps:	4-F32T8		

Candlepower Curve



Features

Housing: 20 gauge die formed steel. Weldless, die-cast bulkheads allowing casting-to-casting luminaire connection. ABS Cast plastic End caps, finished white to match housing, fastenerless attachment.

Lamping: Two, three, four or five F32T8 fluorescent lamps per 4' section. Provided by others.

Reflector: Precision die-formed high reflectance white pre-painted steel.

Louver: Lift and shift straight blade louver constructed from die-formed aluminum and finished to match the housing. Louver blades are 1: high on 1 1/8" centers.

Lens: Standard frosted white lens.

Paracube louver: Lift and shift, injection molded metalized louver with 1/2" X 1/2" cubes.

Approvals: Certified to UL, cUL, and CSA standards.

Mounting

Cable suspension: 4 1/2" diameter canopy finished white enamel, 1/16" diameter stainless steel aircraft cable adjustable up to 36". Draw-tight connector to create hairline seam between joiner modules.

Stem suspension: 4 1/2" diameter canopy finished white enamel, 1/2" O.D. stem. Standard length is 24" from the ceiling to the top of the lighting fixture. Can be cut to length on the job. Self-aligning swivel provides adjustability for up to 42 degree slopes.

Wall mounting: Precision die-formed steel bracket system that hooks and locks onto the wall, painted white.

Module ordering information

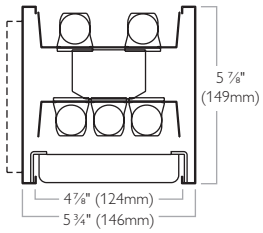
Not all options are available in all fixtures. Refer to the specification sheets for specific options.

SQ6								
Family	**Lamps**	**Length**	**Type**	**Mounting**	**Shielding**	**Voltage**	**Options**
SQ6	**2** = 2 Light **3** = 3 Light **4** = 4 Light	**4** = 4 ft **8** = 8 ft	**B** = Bi-Directional **D** = Direct **I** = Indirect	**P** = Suspended **W** = Wall	**S** = Straight Blade Louver **L** = Lens K19 **C** = Paracube 1/2" **N** = None **P** = Parabolic louver	**1** = 120v **2** = 277v **3** = 347v **D1** = Dimming 120v **D2** = Dimming 277v **D3** = Dimming 347v **E1** = Emergency 120v **E2** = Emergency 277v	**X4** = 4 through wires **X5** = 5 through wires **DS** = Dual Switch **Blank** = No options

SQ6

Architectural profiles

SQ6-5 5 Light T8 bi-directional pendant or wall mounted



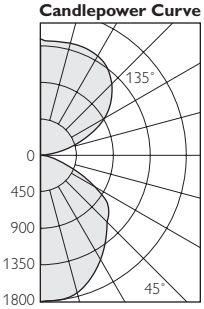
Distribution

Zone	Lumens	%Barelamp	%Luminaire
0-90	5328	36.1	53.0
90-180	4726	32.1	47.0
0-180	10054	68.2	100.0

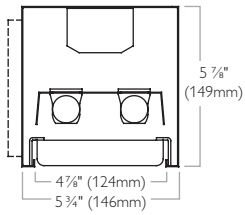
Reference data

Report no:	ITL53181	Lumens:	2950
Cat no:	SQ654BPS1	Efficiency:	68.2%
Lamps:	5-F32T8		

Candlepower Curve



SQ6-6 2 Light T8 direct pendant or wall mounted



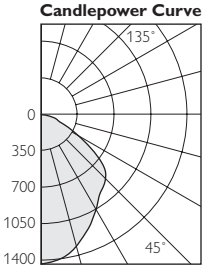
Distribution

Zone	Lumens	%Barelamp	%Luminaire
0-90	3424	58.0	100.0
90-180	0	0.0	0.0
0-180	3424	58.0	100.0

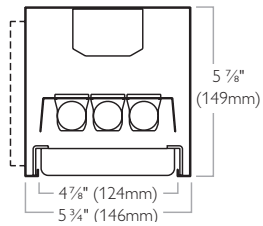
Reference data

Report no:	ITL53177	Lumens:	2950
Cat no:	SQ624DPS1	Efficiency:	58.0%
Lamps:	2-F32T8		

Candlepower Curve



SQ6-7 3 Light T8 direct pendant or wall mounted



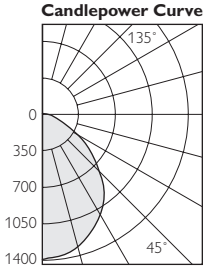
Distribution

Zone	Lumens	%Barelamp	%Luminaire
0-90	4577	51.7	100.0
90-180	0.0	0.0	0.0
0-180	4577	51.7	100.0

Reference data

Report no:	ITL53184	Lumens:	2950
Cat no:	SQ634DPS1	Efficiency:	51.7%
Lamps:	3-F32T8		

Candlepower Curve



Features (continued)

Electrical

Electronic ballast, Rapid start, 3 conductor, 18 gauge wire. Color-coded quick connectors allow easy connection for modular fixtures. Power feed is 18 gauge white cord.

Dimming: Advance Mark X, use Advance compatible two-wire control (no extra lead required).

Emergency battery pack: 450 Lumens @ 90 min.

Options and accessories

Dual switching: Order the DS option for separate row switching. DS option comes complete with the 4th through wire option.

4 and 5 wire: Order X4 for EM battery. For non-standard dimming options; order X5 option for Advance Mark VII and DALI . Order X4 for Lutron Hi-Lume and ECO-10. Consult factory for any additional wiring conditions.

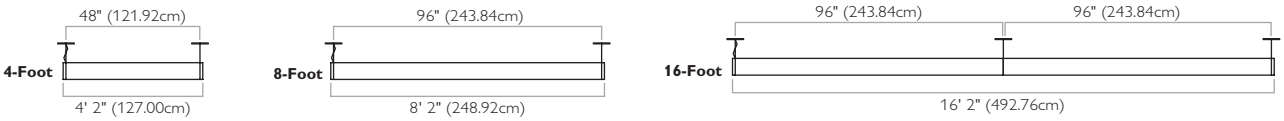
Ordering instructions for pendant mounted fixtures:

- Order number of fixtures required to complete the run.
- Order one power feed end set or end set stem per run.
- Order one intermediate suspension assembly per fixture MINUS one per run.

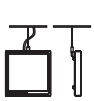
Ordering instructions for wall mounted fixtures:

- Order number of fixtures required to complete the run.
- Order one end set wall per run.

Pendant mounting locations



Accessories



Power feed end set:
3 Wire Cord: **SQ6EC36**
4 Wire Cord*: **SQ6EC36X4**
5 Wire Cord*: **SQ6EC36X5**

End set stem:
SQ6ES24

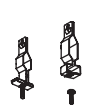
End set wall:
SQ6E

Intermediate cable suspension:
SQ6C36

Intermediate cable cord assembly:
3 Wire Cord: **SQ6CC36**
4 Wire Cord*: **SQ6CC36X4**
5 Wire Cord*: **SQ6CC36X5**

Intermediate suspension stem:
SQ6S24

*Use for dimming or EM pack.



Ceiling grid kit:
CGK
Includes both standard 1" Tee and Slot Tee Clip. Order one for every non-powered suspension point.

Ceiling grid kit power:
CGKP
Includes the hardware necessary to install a power feed above a suspended ceiling. J-box and Flex not included. Order one for every powered suspension point.

SQ6

Architectural profiles

Features

Housing: 20 gauge die formed steel. Weldless, die-cast bulkheads allowing casting-to-casting luminaire connection. ABS Cast plastic End caps, finished white to match housing, fastenerless attachment.

Lamping: One or two F32T8 fluorescent lamps per 4' section. Provided by others.

Reflector: Precision die-formed high reflectance white pre-painted steel.

Louver: Lift and shift straight blade louver constructed from die-formed aluminum and finished to match the housing. Louver blades are 1: high on 1 1/8" centers.

Lens: 100% acrylic clear prismatic lens.

Paracube louver: Lift and shift, injection molded metalized louver with 1/2" X 1/2" cubes.

Approvals: Certified to UL, cUL, and CSA standards.

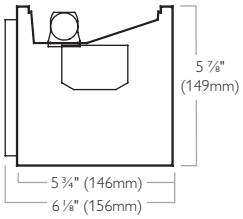
Accessories and ordering instructions for wall mount

End Set Wall:
SQ6E

Ordering instructions

- Order number of fixtures required to complete the run.
- Order one end set wall per run.

SQ6-8 1 Light T8 asymmetric indirect wall mounted



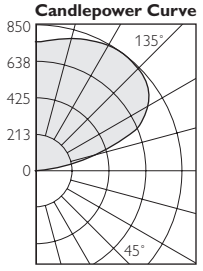
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	0	0	0
90-180	2652	89.9	100
0-180	2652	89.9	100

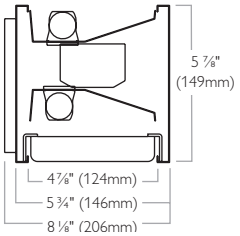
Reference data

Report no:	ITL53176	Lumens:	2950
Cat no:	SQ614AIWNS1	Efficiency:	89.9%
Lamps:	1-F32T8		

Candlepower Curve



SQ6-9 2 Light T8 asymmetric bi-directional wall mounted



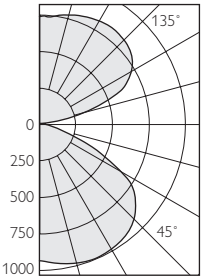
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	1987	33.7	43.8
90-180	2544	43.1	56.2
0-180	4531	76.8	100.0

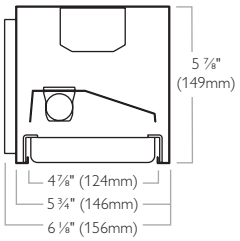
Reference data

Report no:	ITL53183	Lumens:	2950
Cat no:	SQ624ABWS1	Efficiency:	76.8%
Lamps:	2-F32T8		

Candlepower Curve



SQ6-10 1 Light T8 asymmetric direct wall mounted



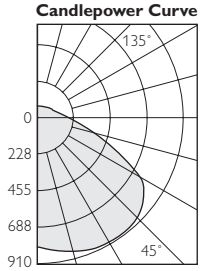
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2296	77.8	100.0
90-180	0	0.0	0.0
0-180	2296	77.8	100.0

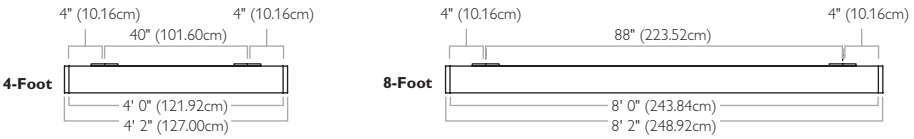
Reference data

Report no:	ITL53178	Lumens:	2950
Cat no:	SQ614ADWS1	Efficiency:	77.8%
Lamps:	1-F32T8		

Candlepower Curve



Wall mounting locations



Module ordering information

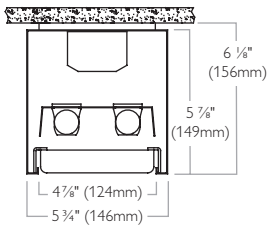
Not all options are available in all fixtures. Refer to the specification sheets for specific options.

SQ6								
Family	**Lamps**	**Length**	**Type**	**Mounting**	**Shielding**	**Voltage**	**Options**
SQ6	**1** = 1 Light **2** = 2 Light	**4** = 4 ft **8** = 8 ft	**AI** = Asymmetric Indirect **AB** = Asymmetric Bi-Directional **I** = Indirect	**W** = Wall	**S** = Straight Blade Louver **L** = Lens K19 **C** = Paracube 1/2" **N** = None **P** = Parabolic louver	**1** = 120v **2** = 277v **3** = 347v **D1** = Dimming 120v **D2** = Dimming 277v **D3** = Dimming 347v **E1** = Emergency 120v **E2** = Emergency 277v	**X4** = 4 through wires **X5** = 5 through wires **DS** = Dual Switch

SQ6

Architectural profiles

SQ6-11 2 Light T8 direct surface mounted



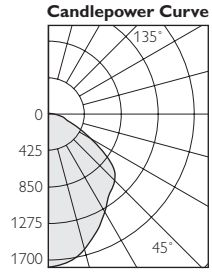
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3424	58.0	100.0
90-180	0	0.0	0.0
0-180	3424	58.0	100.0

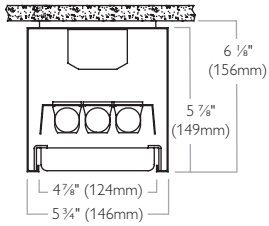
Reference data

Report no:	ITL53177	Lumens:	2950
Cat no:	SQ624DSS1	Efficiency:	58.0%
Lamps:	2-F32T8		

Candlepower Curve



SQ6-12 3 Light T8 direct surface mounted



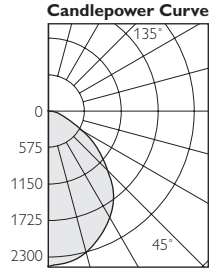
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	4577	51.7	100.0
90-180	0	0.0	0.0
0-180	4577	51.7	100.0

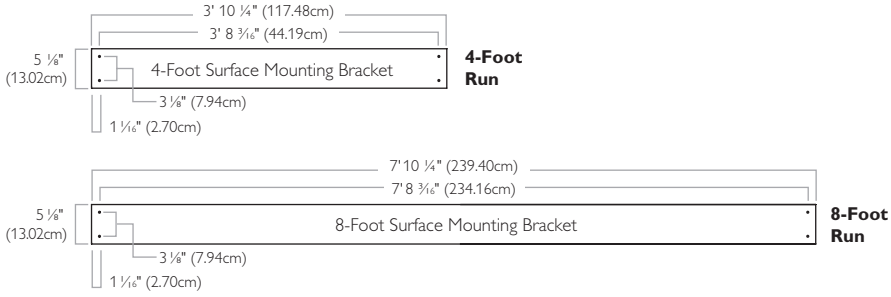
Reference data

Report no:	ITL53184	Lumens:	2950
Cat no:	SQ634DSS1	Efficiency:	51.7%
Lamps:	3-F32T8		

Candlepower Curve



Surface mounting locations



Features (continued)

Electrical

Electronic ballast, 3 conductor, 18 gauge wire.

Color-coded quick connectors allow easy connection for modular fixtures. Power feed is 18 gauge white cord.

Dimming: Advance Mark X, use Advance compatible two-wire control (no extra lead required).

Emergency battery pack: 450 Lumens @ 90 min.

Options and accessories

Dual switching: Order the DS option for separate row switching. DS option comes complete with the 4th through wire option.

4 and 5 wire: Order X4 for EM battery. For non-standard dimming options; order X5 option for Advance Mark VII and DALI. Order X4 for Lutron Hi-Lume and ECO-10. Consult factory for any additional wiring conditions.

Accessories and ordering instructions for surface mount

End Set Wall:
SQ6E

Ordering instructions

- Order number of fixtures required to complete the run.
- Order one end set wall per run.

Module ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

SQ6								
Family	**Lamps**	**Length**	**Type**	**Mounting**	**Shielding**	**Voltage**	**Options**
SQ6	**2** = 2 Light **3** = 3 Light	**4** = 4 ft **8** = 8 ft	**D** = Direct	**S** = Surface	**S** = Straight Blade Louver **L** = Lens K19 **C** = Paracube 1/2" **N** = None **P** = Parabolic louver	**1** = 120v **2** = 277v **3** = 347v **D1** = Dimming 120v **D2** = Dimming 277v **D3** = Dimming 347v **E1** = Emergency 120v **E2** = Emergency 277v	**X4** = 4 through wires **X5** = 5 through wires **DS** = Dual Switch

SQ6

Architectural profiles

Features

Housing: 20 gauge pre-painted die formed steel. Weldless,die-cast bulkheads allowing casting-to-casting luminaire connection. ABS Cast plastic End caps, finished white to match housing, fastenerless attachment.

Lamping: Two or three F32T8 fluorescent lamps per 4' section. Provided by others.

Reflector: Precision die-formed high reflectance white pre-painted steel.

Louver: Lift and shift straight blade louver constructed from die-formed aluminum and finished to match the housing. Louver blades are 1: high on 1 1/8" centers.

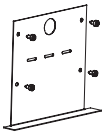
Lens: 100% acrylic clear prismatic lens.

Paracube louver: Lift and shift, injection molded metalized louver with 1/2" X 1/2" cubes.

Mounting

Flange Mounting: Precision die-formed pre-painted white steel brackets.

Accessories and ordering instructions for recessed drywall mount

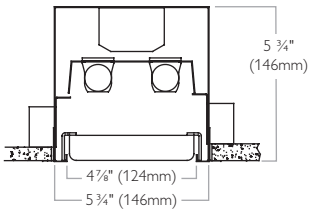


End set flange:
SQ6EF

Ordering instructions

- Order number of fixtures required to complete the run.
- Order one end set flange per run.
- Ceiling cutout size is 6" wide and ¼" longer than the run.

SQ6-13 2 Light T8 direct recessed drywall mounted



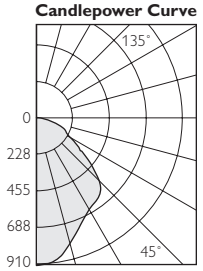
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3450	58.5	100.0
90-180	0	0.0	0.0
0-180	3450	58.5	100.0

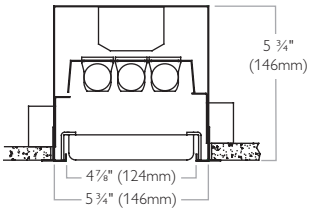
Reference data

Report no:	ITL53175	Lumens:	2950
Cat no:	SQ624DFS1	Efficiency:	58.5%
Lamps:	2-F32T8		

Candlepower Curve



SQ6-14 3 Light T8 direct recessed drywall mounted



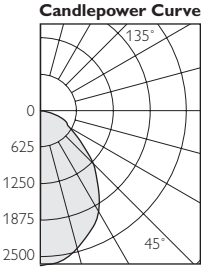
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	4793	54.2	100.0
90-180	0	0.0	0.0
0-180	4793	54.2	100.0

Reference data

Report no:	ITL53174	Lumens:	2950
Cat no:	SQ634DFS1	Efficiency:	54.2%
Lamps:	3-F32T8		

Candlepower Curve



Module ordering information

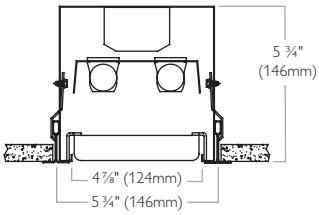
Not all options are available in all fixtures. Refer to the specification sheets for specific options.

SQ6								
Family	**Lamps**	**Length**	**Type**	**Mounting**	**Shielding**	**Voltage**	**Options**
SQ6	**2** = 2 Light **3**= 3 Light	**4** = 4 ft **8** = 8 ft	**D** = Direct	**F** = Flange	**S** = Straight Blade Louver **L** = Lens K19 **C** = Paracube 1/2" **N** = None **P** = Parabolic louver	**1** = 120v **2** = 277v **3** = 347v **D1** = Dimming 120v **D2** = Dimming 277v **D3** = Dimming 347v **E1** = Emergency 120v **E2** = Emergency 277v	**X4** = 4 through wires **X5** = 5 through wires **DS** = Dual Switch

SQ6

Architectural profiles

SQ6-15 2 Light T8 direct recessed grid mounted



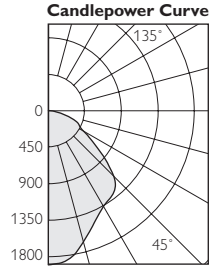
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	3450	58.5	100.0
90-180	0	0.0	0.0
0-180	3450	58.5	100.0

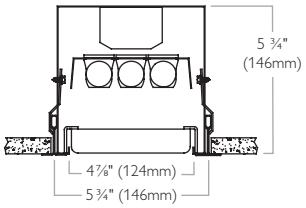
Reference data

Report no:	ITL53175	Lumens:	2950
Cat no:	SQ624DGS1	Efficiency:	58.5%
Lamps:	2-F32T8		

Candlepower Curve



SQ6-16 3 Light T8 direct recessed grid mounted



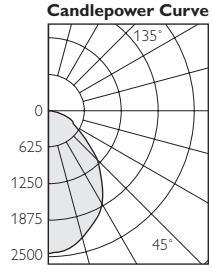
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	4793	54.2	100.0
90-180	0.0	0.0	0.0
0-180	4793	54.2	100.0

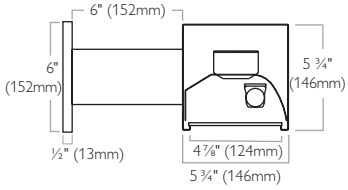
Reference data

Report no:	ITL53174	Lumens:	2950
Cat no:	SQ634DGS1	Efficiency:	54.2%
Lamps:	3-F32T8		

Candlepower Curve



SQ6-17 1 Light T8 asymmetric direct extended wall mounted



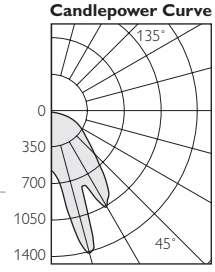
Distribution

Zone	Lumens	%Lamp	%Luminaire
0-90	2019	68.5	100
90-180	0	0	0
0-180	2019	68.5	100

Reference data

Report no:	ITL53186	Lumens:	2950
Cat no:	SQ614ADWA1	Efficiency:	68.5%
Lamps:	1-F32T8		

Candlepower Curve



4' fixtures are mounted on 40" centers
8' fixtures are mounted on 80" centers
Order one SQ6E endset per run

Features (continued)

Mounting

Grid mounting: Precision die-formed pre-painted white steel brackets.

Electrical

Electronic ballast, 3 conductor, 12 gauge wire. Color-coded quick connectors allow easy connection for modular fixtures.

Dimming: Advance Mark X, use Advance compatible two-wire control (no extra lead required).

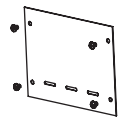
Emergency battery pack: 450 Lumens @ 90 min.

Options and accessories

Dual switching: Order the DS option for separate row switching. DS option comes complete with the 4th through wire option.

4 and 5 wire: Order X4 for EM battery. For non-standard dimming options; order X5 option for Advance Mark VII, DALI and ESI. Order X4 for Lutron Hi-Lume and ECO-10. Consult factory for any additional wiring conditions.

Accessories and ordering instructions for recessed grid mount



End Set Grid:
SQ6EG

Ordering instructions

- Order number of fixtures required to complete the run.
- Order one end set grid per run.

Module ordering information

Not all options are available in all fixtures. Refer to the specification sheets for specific options.

SQ6

Family
SQ6

Lamps
1 = 1 Light
2 = 2 Light
3 = 3 Light

Length
4 = 4 ft
8 = 8 ft

Type
D = Direct

Mounting
W = Wall
G = Grid

Shielding
S = Straight Blade Louver
L = Lens K19
C = Paracube 1/2"
N = None
P = Parabolic louver
A = Asymmetric Lens

Voltage
1 = 120v
2 = 277v
3 = 347v
D1 = Dimming 120v
D2 = Dimming 277v
D3 = Dimming 347v
E1 = Emergency 120v
E2 = Emergency 277v

Options
X4 = 4 through wires
X5 = 5 through wires
DS = Dual Switch

Note: SQ6-15 and SQ6-16 come in 4' Individual fixtures only. The T-bar centers are 6" x 48".

Eye-Q

Indirect/direct luminaires for schools, offices or stores

Eye-Q is a highly efficient, energy saving, 60% uplight/40% downlight luminaire that utilizes 4 foot T8 lamps and Electronic ballast. Primarily designed for pendant or cable mounted installations, Eye-Q can be surface mounted when used with top reflectors. The ideal luminaire for schools, offices or store applications.

Features

- 60% uplight, 40% downlight distribution.
- 88.6% efficient with 33° x 25° louver.
- 87.5% efficient with 33° x 35° louver.
- Can be pendant or surface mounted.
- Top reflectors available for Down light only.
- Can be stem or cable mounted at fixture joints.
- 48" or 96" modular length.
- Louver hinges from either side.
- Louver safety chain.
- Electronic ballast for 4' T8 lamps is standard.
- Heavy duty coupler available.
- Slide grip hangers available.
- 1 3/4" x 2" easy tear-out flush KO for thru wiring.
- Meets NYC Code Requirement.
- Certified to UL, cUL, and CSA standards.

Options/accessories

Louver Finish Post painted white acrylic baked enamel is standard.

Ballast	Electronic	1-4 Lamp Elec
<20THD	T8: **SO**	T8: **O4** (8' only)
<10THD	T8: **HI**	T8: **H4** (8' only)

Fusing Internal fast-blow fusing. SUFFIX. **A**.
Internal slow-blow fusing. SUFFIX. **C.**

Emergency Pack Factory-installed emergency power battery pack with charger and inverter. LP400 or equal, 120 or 277 volt. Suffix: **LP400.**

For metallic silver finish consult factory.

Ordering information

Indirect/direct – solid side shields (standard)

Fixture Length	Lamps qty/type	Louver shielding	Catalog number
4'	2-T8	33° x 25°	**EYS425FX232UNVHI**
4'	2-T8	33° x 35°	**EYS435FX232UNVHI**
8'	2-T8 in tandem (4 lamps)	33° x 25°	**EYS825FX232UNVH4****
8'	2-T8 in tandem (4 lamps)	33° x 35°	**EYS835FX232UNVH4****

Direct - solid side shields (standard)

Fixture Length	Lamps qty/type	Louver shielding	Catalog number
4'	2-T8	33° x 25°	**EYS425FS232UNVHI**
4'	2-T8	33° x 35°	**EYS435FS232UNVHI**
8'	2-T8 in tandem (4 lamps)	33° x 25°	**EYS825FS232UNVH4****
8'	2-T8 in tandem (4 lamps)	33° x 35°	**EYS835FS232UNVH4****

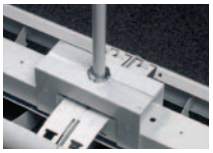
Indirect/direct - perforated side shields

Fixture Length	Lamps qty/type	Louver shielding	Catalog number
4'	2-T8	33° x 25°	**EYP425FX232UNVHI**
4'	2-T8	33° x 35°	**EYP435FX232UNVHI**
8'	2-T8 in tandem (4 lamps)	33° x 25°	**EYP825FX232UNVH4****
8'	2-T8 in tandem (4 lamps)	33° x 35°	**EYP835FX232UNVH4****

Direct - perforated side shields

Fixture Length	Lamps qty/type	Louver shielding	Catalog number
4'	2-T8	33° x 25°	**EYP425FS232UNVHI**
4'	2-T8	33° x 35°	**EYP435FS232UNVHI**
8'	2-T8 in tandem (4 lamps)	33° x 25°	**EYP825FS232UNVH4****
8'	2-T8 in tandem (4 lamps)	33° x 35°	**EYP835FS232UNVH4****

** 1-4 lamp Electronic ballast.
(2-2 lamp Electronic ballast substitute **HI** for H4, eg: EYS825FX232120**HI**.)



Slide grip hanger
Can be used at joint or along channel. Catalog number: **EY SLIDE GRIP**

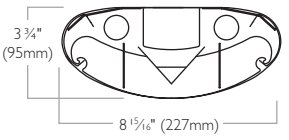
Heavy duty coupler
Required for continuous row mounting. Catalog number: **EY COUPLER**

Stem/canopy sets
Can also be positioned at fixture joint.
Catalog number:
ASC6 CSP (6")
ASC12 CSP (12")
ASC18 CSP (18")
ASC24 CSP (24")

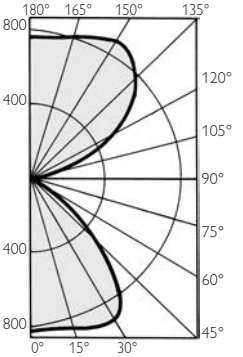
Cable mount
Single Cable/Canopy. Catalog number: **WC60**
Single Cable/Straight Cord & Canopy. Catalog number: **WCC60**
Single Cable/Coiled Cord and Canopy. Catalog number: **WCCC60**

Cable Adjustable 6" to 60".

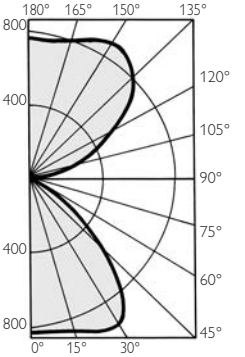
Dimensions



EYS425FX232UNVHI
Candlepower curve



EYS425FX232UNVHI
Candlepower curve



Eye-QL

Indirect/direct fluorescent w/linear prismatic lens

Eye-QL is a highly efficient, energy saving, uplight downlight luminaire that utilizes 4 foot T8 lamps and Electronic ballast. Primarily designed for pendant or cable mounted installations, Eye-QL can be surface mounted when used with top reflectors. An optional top spread lens is also available.

Ordering information

Direct/indirect

Open top

Fixture Length	Lamps qty/type	Solid side shields (std.)	Perforated side shields
4'	2-T8	**EYS4LFX232**	**EYP4LFX232**
8'	2-T8 in tandem (4 lamps)	**EYS8LFX232**	**EYP8LFX232**

Spread lens top enclosure

Fixture Length	Lamps qty/type	Solid side shields	Perforated side shields
4'	2-T8	**EYS4LFL232**	**EYP4LFL232**
8'	2-T8 in tandem (4 lamps)	**EYS8LFL232**	**EYP8LFL232**

Direct Only

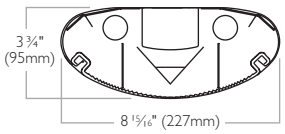
Steel Top Reflectors

Fixture Length	Lamps qty/type	Solid side shields	Perforated side shields
4'	2-T8	**EYS4LFS232**	**EYP4LFS232**
8'	2-T8 in tandem (4 lamps)	**EYS8LFS232**	**EYP8LFS232**

EYS4LFX232	UNV	HI	A
(Example)			
Basic catalog number: Eye-Q lens	**Voltage:** 120, 277 or UNV	**Ballast:** See Page 5.119	**Options:** See Page 5.119

For Metallic Silver Finish consult factory

EYS4LFL232120SO



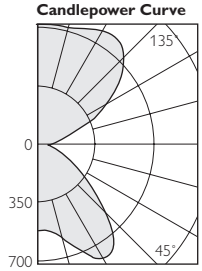
Reference data

Efficiency	81.6%
Spacing Ratio	1.8

Electronic ballast

Input Watts (120V)	51.8W

Candlepower Curve



Features

- Direct/Indirect or direct.
- Prismatic DR acrylic lens.
- 45% downlight. 55% uplight.
- 81.6% efficient.
- 2.0 spacing to mounting ratio.
- Lens hinges from either side.
- Optional spread top lens.
- Cold rolled steel top reflector available for downlight only.
- Can be pendant or surface mounted.
- 20 gauge steel housing and 18 gauge steel fixture ends.
- 22 gauge perforated steel side reflectors with translucent white acrylic liner, available.
- Meets NYC Code requirements.

Options/accessories

Louver finish post painted white acrylic baked enamel is standard.

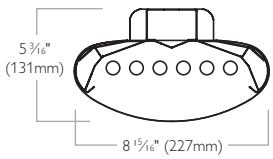
Ballast	Electronic	1-4 Lamp Elec
<20THD	T8: **SO**	T8: **O4** (8' only)
<10THD	T8: **HI**	T8: **H4** (8' only)

Fusing Internal fast-blow fusing. SUFFIX. **A**.
Internal slow-blow fusing. SUFFIX. **C**.

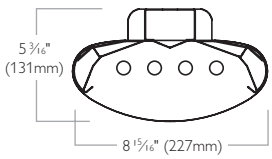
Hanging options consult page 5.118.

Eye-QLB Open LowBay

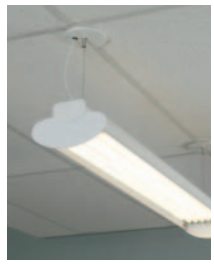
Indirect/direct luminaire



6 Lamp



4 Lamp



Ordering information

Indirect/direct – solid side shields, 10% Uplight / 90% Downlight T5 units
95% Reflective specular aluminum top reflector

Fixture Length	Lamps qty/type	Lamp watts	Catalog number
4'	6-T5HO	54W	**EYS4XXFC654UNVP6****
4'	4-T5HO	54W	**EYS4XXFC454UNVPV**
4'	3-T5HO	54W	**EYS4XXFC354UNVPU**
4'	2-T5HO	54W	**EYS4XXFC254UNVPG**
8'	8-T5HO	54W	**EYS8XXFC454UNVPV**
8'	6-T5HO	54W	**EYS8XXFC354UNVPU**
8'	4-T5HO	54W	**EYS8XXFC254UNVPG**

* For 28w t5 substitute 54 with 28 (eg: eys4xxfc228unvpg)
** 6 Lamp eye-qlb open is only available in 4' fixture length.

Eye-QLB Open

Eye-QLB Open is a high efficient 10% uplight / 90% downlight luminaire that utilizes T5 lamps. This Suspended or Surface Fluorescent is ideal for stores, labs and warehouses and can be used as a energy savings replacements for HID low bays.

Features

- Energy Savings replacement for HID low bays.
- 22 gauge steel side reflectors and louvers.
- Removable upper End cap for through wiring.
- 93.2% efficient (4 lamp T5HO). 85.2% (6 lamp T5HO).
- 1.2 spacing to mounting ratio (4 lamp T5).
- 95% specular aluminum top reflector.
- 48" or 96" modular length.
- Can be pendant or surface mounted.
- 20 gauge steel housing.
- Meets NYC Code requirements.

Options/accessories

Housing Post painted white acrylic baked enamel is standard.

Type	<20THD	<10THD
Electronic T5 PS. (28W or 54W)		**PG**
1-3 or 2-3 Elec PS. T5 (54W)		**PU**
1-4 or 2-4 Elec PS. T5 (54w)		**PV**
1-2 or 1-4 Elec PS. T5 (54w)		**P6**

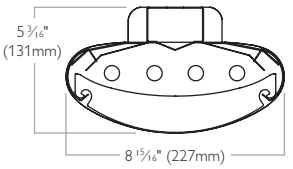
Eye-QLB louver lowbay

Indirect/direct luminaire

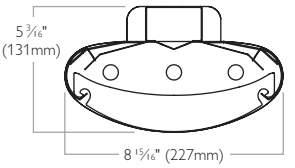
Eye-QLB Louver is a high efficient 10% uplight / 90% downlight or 45% uplight / 55% downlight luminaire that utilizes T5 or T8 lamps. This Suspended or Surface Fluorescent is ideal for stores, labs and warehouses and can be used as a energy savings replacements for HID low bays.

Features

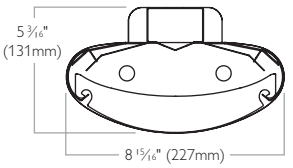
- Energy Savings replacement for HID low bays.
- Ideal for stores, labs or warehouses.
- 22 gauge steel side reflectors.
- 22 gauge steel louver with safety chain.
- Removable upper End cap for through wiring.
- 79.4% efficient (4 lamp T8 10/90 split, 14 cell).
- 89.0% efficient (4 lamp T5HO 10/90 split, 14 cell).
- 1.2 spacing to mounting ratio (4 lamp T5).
- 95% specular aluminum top reflector.
- 48" or 96" modular length.
- Can be pendant or surface mounted.
- Can be stem or cabled mounted at fixture joints.
- 20 gauge steel housing.
- Flat white acrylic baked enamel post painted.
- Meets NYC Code requirements.



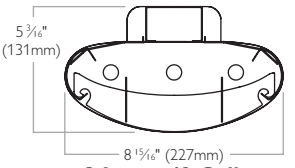
4 Lamp 14 Cell



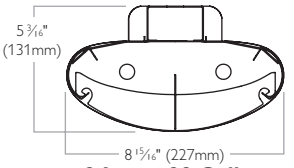
3 Lamp 14 Cell



2 Lamp 14 Cell



3 Lamp 42 Cell



2 Lamp 28 Cell

Options/accessories

Housing and Louver Finish Post painted white acrylic baked enamel is standard.

Type	<20THD	<10THD
Electronic T8	**SO**	**HI**
1-3 or 2-3 Lamp Elec T8	**O3**	**H3**
1-4 or 2-4 Lamp Elec T8	**O4**	**H4**
Elect T5 P.S (28w or 54w)		**PG**
1-3 or 2-3 Elec PS. T5 (54w)		**PU**
1-4 or 2-4 Elec PS. T5 (54w)		**PV**

Luminaire-mounted motion sensor

360° coverage, up to 45 ft. mounting distance. Field installed. Catalog number: **FHB360**

- Line voltage accepts 120 through 347 volt applications.
- Uses passive infrared (PIR) technology shielded by a fresnel lens; upon detection of infrared energy levels, the sensor is triggered and switches the light on.
- Light shuts off after a time-delay that is a factory preset at 10 minutes, manually adjustable from 30 sec. to 20 min. using tool included.
- Mounts on either end 7/8" knockouts provided.

Hanging options consult page 5.121.

Ordering information

Indirect/direct – solid side shields, 10% uplight / 90% downlight T5 units

Fixture Length	Lamps qty/type	Lamp watts	Louver shielding	Catalog number
4'	4-T5HO	54W	14 Cells	**EYS414FR454UNVPV**
4'	3-T5HO	54W	14 Cells	**EYS414FR354UNVPU**
4'	3-T5HO	54W	42 Cells	**EYS442FR354UNVPU**
4'	2-T5HO	54W	14 Cells	**EYS414FR254UNVPG**
4'	2-T5HO	54W	28 Cells	**EYS428FR254UNVPG**
8'	8-T5HO	54W	14 Cells	**EYS814FR454UNVPV**
8'	6-T5HO	54W	14 Cells	**EYS814FR354UNVPU**
8'	6-T5HO	54W	42 Cells	**EYS842FR354UNVPU**
8'	4-T5HO	54W	14 Cells	**EYS814FR254UNVPG**
8'	4-T5HO	54W	28 Cells	**EYS828FR254UNVPG**

Indirect/direct – solid side shields, 10% uplight / 90% downlight T8 units

4'	4-T8	32W	14 Cells	**EYS414FR432UNVH4**
4'	3-T8	32W	14 Cells	**EYS414FR332UNVH3**
4'	3-T8	32W	42 Cells	**EYS442FR332UNVH3**
4'	2-T8	32W	14 Cells	**EYS414FR232UNVHI**
4'	2-T8	32W	28 Cells	**EYS428FR232UNVHI**
8'	8-T8	32W	14 Cells	**EYS814FR432UNVH4**
8'	6-T8	32W	14 Cells	**EYS814FR332UNVH3**
8'	6-T8	32W	42 Cells	**EYS842FR332UNVH3**
8'	4-T8	32W	14 Cells	**EYS814FR232UNVHI**
8'	4-T8	32W	28 Cells	**EYS828FR232UNVHI**

Indirect/direct – solid side shields, 45% uplight / 55% downlight T5 units

4'	3-T5	54W	14 Cells	**EYS414FX354UNVPU**
4'	3-T5	54W	42 Cells	**EYS442FX354UNVPU**
8'	6-T5	54W	14 Cells	**EYS814FX354UNVPU**
8'	6-T5	54W	42 Cells	**EYS842FX354UNVPU**

Indirect/direct – solid side shields, 45% uplight / 55% downlight T8 units

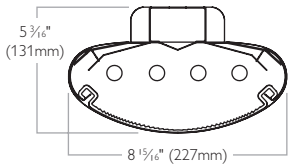
4'	3-T8	32W	14 Cells	**EYS414FX332UNVH3**
4'	3-T8	32W	42 Cells	**EYS442FX332UNVH3**
8'	6-T8	32W	14 Cells	**EYS814FX332UNVH3**
8'	6-T8	32W	42 Cells	**EYS842FX332UNVH3**

* For 28 WT5 substitute 54 with **28** (eg: EYS414FR**228**UNVPG)

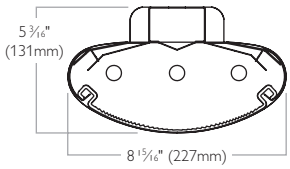
Eye-QLB lens lowbay

Indirect/direct luminaire

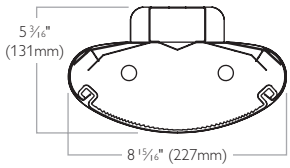
Eye-QLB Lens is a high efficient 10% uplight / 90% downlight or 45% uplight / 55% downlight luminaire that utilizes T5 or T8 lamps. This Suspended or Surface Fluorescent is ideal for stores, labs and warehouses and can be used as a energy savings replacements for HID low bays.



4 Lamp lens



3 Lamp lens



2 Lamp lens

Features

- Energy Savings replacement for HID low bays.
- Ideal for stores, labs or warehouses.
- 22 gauge steel side reflectors.
- Prismatic DR acrylic with safety chain.
- Removable upper End cap for through wiring.
- 74.2 % efficient (3 lamp T8 10/90 split, perforated side).
- 77.8 % efficient (3 lamp T5HO 10/90 split, perforated side).
- 1.2 spacing to mounting ratio (4 lamp T5).
- 95% specular aluminum top reflector.
- 48" or 96" modular length.
- Can be pendant or surface mounted.
- Can be stem or cabled mounted at fixture joints.
- 20 gauge steel housing.
- Flat white acrylic baked enamel post painted.
- Meets NYC Code requirements.

Ordering information

Indirect/direct – solid side shields, 10% uplight / 90% downlight T5 units

Fixture Length	Lamps qty/type	Lamp watts	Catalog number
4'	4-T5HO	54W	**EYS4LNFR454UNVPV**
4'	3-T5HO	54W	**EYS4LNFR354UNVPU**
4	2-T5HO	54W	**EYS4LNFR254UNVPG**
8'	8-T5HO	54W	**EYS8LNFR454UNVPV**
8'	6-T5HO	54W	**EYS8LNFR354UNVPU**
8'	4-T5HO	54W	**EYS8LNFR254UNVPG**

Indirect/direct – perforated side shields, 10% uplight / 90% downlight T5 units

4'	4-T5HO	54W	**EYP4LNFR454UNVPV**
4'	3-T5HO	54W	**EYP4LNFR354UNVPU**
4'	2-T5HO	54W	**EYP4LNFR254UNVPG**
8'	8-T5HO	54W	**EYP8LNFR454UNVPV**
8'	6-T5HO	54W	**EYP8LNFR354UNVPU**
8'	4-T5HO	54W	**EYP8LNFR254UNVPG**

Indirect/direct – solid side shields, 10% uplight / 90% downlight T8 units

4'	4-T8	32W	**EYS4LNFR432UNVH4**
4'	3-T8	32W	**EYS4LNFR332UNVH3**
4'	2-T8	32W	**EYS4LNFR232UNVHI**
8'	8-T8	32W	**EYS8LNFR432UNVH4**
8'	6-T8	32W	**EYS8LNFR332UNVH3**
8'	4-T8	32W	**EYS8LNFR232UNVHI**

Indirect/direct – perforated side shields, 10% uplight / 90% downlight T8 units

4'	4-T8	32W	**EYP4LNFR432UNVH4**
4'	3-T8	32W	**EYP4LNFR332UNVH3**
4'	2-T8	32W	**EYP4LNFR232UNVHI**
8'	8-T8	32W	**EYP8LNFR432UNVH4**
8'	6-T8	32W	**EYP8LNFR332UNVH3**
8'	4-T8	32W	**EYP8LNFR232UNVHI**

Indirect/direct – solid side shields, 45% uplight / 55% downlight T5 units

4'	3-T5	54W	**EYS4LNFX354UNVPU**
8'	6-T5	54W	**EYS8LNFX354UNVPU**

Indirect/direct – perforated side shields, 45% uplight / 55% downlight T5 units

4'	3-T5	54W	**EYP4LNFX354UNVPU**
8'	6-T5	54W	**EYP8LNFX354UNVPU**

Indirect/direct – solid side shields, 45% uplight / 55% downlight T8 units

4'	3-T8	32W	**EYS4LNFX332UNVH3**
8'	6-T8	32W	**EYS8LNFX332UNVH3**

Indirect/direct – perforated side shields, 45% uplight / 55% downlight T8 units

4'	3-T8	32W	**EYP4LNFX332UNVH3**
8'	6-T8	32W	**EYP8LNFX332UNVH3**

*For 28WT5 substitute 54 with **28**(eg: EYS4LNFR**228**UNVPG)

Options/accessories

Housing finish Post painted white acrylic baked enamel is standard.

Type	<20THD	<10THD
Electronic T8	**SO**	**HI**
1-3 or 2-3 Lamp Elec T8	**O3**	**H3**
1-4 or 2-4 Lamp Elec T8	**O4**	**H4**
Elect T5 P.S (28w or 54w)		**PG**
1-3 or 2-3 Elec PS. T5 (54w)		**PU**
1-4 or 2-4 Elec PS. T5 (54w)		**PV**

Luminaire-Mounted Motion Sensor on Page 5.120 is available also on Eye-QLB Lens Low Bay.

Chain hanger kit
Catalog number: **AH5 CSP**

Heavy duty coupler
Required for continuous row mounting. Catalog number: **EY COUPLER**

Stem/canopy sets
Can also be positioned at fixture joint.
Catalog number:
ASC6 CSP (6")
ASC12 CSP (12")
ASC18 CSP (18")
ASC24 CSP (24")

Cable mount
Single Cable/Canopy. Catalog number: **WC60**
Single Cable/Straight Cord & Canopy. Catalog number: **WCC60**
Single Cable/Coiled Cord and Canopy. Catalog number: **WCCC60**

Cable Adjustable 6" to 60"

Decorative lighting

Section 6

Architect: Torchia Associates, Inc
Photograph: Padgett and Company

Philips Lightolier Decorative – a product line up that makes it easy to find a visual compliment to your space.

The decorative luminaires are designed to complement the architecture with elegant lines and forms that add elements of light for visual interest to the space or, when used repetitively, as a rhythm of light.

We offer numerous ADA-compliant wall mounted designs, pendants in a variety of styles and scale, as well as a wide array of architectural ceiling mount fixtures. Integral emergency battery packs are also available in wall, ceiling, and pendant luminaires.

The implementation of LED technology across our fixture lines provides our products with superior and state of the art performance, related to life, light output and color stability and consistency.

Flexible design, modular construction, and multi-voltage ballasts enable us to supply architectural requirements rapidly and reliably.

We focus on delivering a wide range of standard products but will modify designs for large-scale projects.

Contents

Architectural decorative > 6.2
Transitional > 6.40
Contemporary > 6.52
Traditional > 6.80
Basic > 6.86
Wet location > 6.94

Architectural decorative

Corridor

LED luminaire

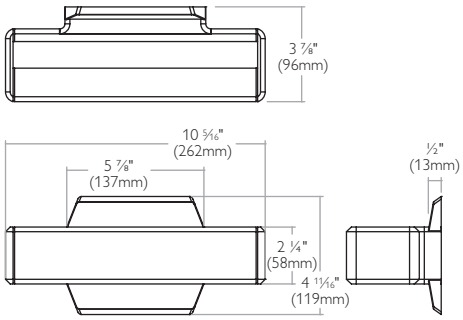
The Philips Lightolier Architectural Decorative design team introduces its first performance driven LED corridor application. The fixture utilizes phosphor film technology, providing superior color stability and consistency, while maintaining a clean visual finish, elegant lines and forms, and an exceptional rhythm of light, to any corridor application.

Corridor

Corridor Lights*

Cat. no.	Finish	Wattage	CCT	Voltage
CDL27SAU	Satin AL	20W Max	2700K	120/
CDL27WHU	White			277V
CDL30SAU	Satin AL	20W Max	3000K	120/
CDL30WHU	White			277V
CDL35SAU	Satin AL	20W Max	3500K	120/
CDL35WHU	White			277V
CDL40SAU	Satin AL	20W Max	4000K	120/
CDL40WHU	White			277V

* Reference specification sheet CDL for all available Decorative accessories.



The use of J-Box mounting (hardware provided) is an optional alternative to the conduit cable and direct to wall installation. The J-Box cover dimensions are shown above.

Features

- ADA compliant
- CRI in the high 80's
- Utilizes two linear FR4 circuit boards
- ELU dimming capability

White sleeve wave accessory

Cat. no.	Description
CDLS01	White sleeve straight accessory
CDLS02	White sleeve wave accessory
CDLA	Acrylic flat diffuser
CDLG	Glass flat diffuser

* The white sleeve accessories are paintable.

Vetro 4¾" pendants

PM Series

Clean lines, elegant proportions, honest use of materials, and a basic element of light. To be suspended in space or mounted flush to a ceiling. The basic construction elements consist of an extruded and cast aluminum housing, triple layered hand blown glass.

Features

Power head housing: Two-piece die cast and extruded aluminum.

Glass

Inner: Hand-Blown Triplex glass maximizes diffusion of light evenly along length of glass.

Outer: Extruded and Hand-Blown clear glass.

Lampholders

Incandescent: Mini-can (E11) Base, nickel plated screw shell.

Compact fluorescent: 4-pin, 26/32 watt base: GX24q-3

Suspension kits

Cord and Cable: Supplied with 18-3 SVT straight clear jacketed steel braided power cord and metal aircraft cable and includes aluminum canopy. Also included are solid aluminum lobster claws to neatly secure the clear jacket power cord to the aircraft cable.

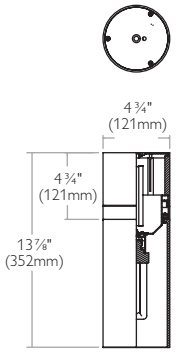
Stem: Supplied with (3) 18 GA. wire, 3/8" diameter satin aluminum stem and matching die cast aluminum canopy.

Surface Mount Kit: Mounts the PM Series only to the ceiling.

Close-to-Ceiling: Supplied with 3" stem and matching die cast aluminum canopy.

Track mount: Kit includes clear jacketed steel braided power cord and metal aircraft cable. Finish of adapter body is silver powder coat. Adapter mounts to Philips Lightolier Lytespan Track.

All units are cULus listed, suitable for damp locations.



Ordering information for PM series

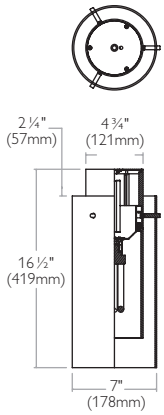
Power head	Inner glass	Outer glass	Lamp	Volts	Finish
PM32SA	**PG01**	NA	CFL 26/32W	120V-277V	Satin Aluminum
PM32MX1SA	**PG01**	NA	Mark X Dimming 26/32W	120V	Satin Aluminum
PM32MX2SA	**PG01**	NA	Mark X Dimming 26/32W	277V	Satin Aluminum
PM150SA	**PG01**	NA	T-4 Mini-Can 150W	120V	Satin Aluminum
PM01L27SA1	**PG01**	NA	LED 10W 27K	120V	Satin Aluminum
PM01L27SA2	**PG01**	NA	LED 10W 27K	277V	Satin Aluminum
PM01L30SA1	**PG01**	NA	LED 10W 30K	120V	Satin Aluminum
PM01L30SA2	**PG01**	NA	LED 10W 30K	277V	Satin Aluminum
PM01L35SA1	**PG01**	NA	LED 10W 35K	120V	Satin Aluminum
PM01L35SA2	**PG01**	NA	LED 10W 35K	277V	Satin Aluminum
PM01L40SA1	**PG01**	NA	LED 10W 40K	120V	Satin Aluminum
PM01L40SA2	**PG01**	NA	LED 10W 40K	277V	Satin Aluminum
PM02L27SA1	**PG01**	NA	LED 20W 27K	120V	Satin Aluminum
PM02L27SA2	**PG01**	NA	LED 20W 27K	277V	Satin Aluminum
PM02L30SA1	**PG01**	NA	LED 20W 30K	120V	Satin Aluminum
PM02L30SA2	**PG01**	NA	LED 20W 30K	277V	Satin Aluminum
PM02L35SA1	**PG01**	NA	LED 20W 35K	120V	Satin Aluminum
PM02L35SA2	**PG01**	NA	LED 20W 35K	277V	Satin Aluminum
PM02L40SA1	**PG01**	NA	LED 20W 40K	120V	Satin Aluminum
PM02L40SA2	**PG01**	NA	LED 20W 40K	277V	Satin Aluminum

Must order Power Head and Glass separately.
For Inner Acrylic option, order **PA01**.

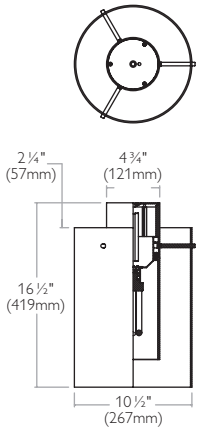
Vetro 4¾" pendants

PM Series

A simple but dynamic luminaire whose appearance will change along with the viewing angle and the incidence of light. The basic construction elements consist of an extruded and cast aluminum housing, triple layered hand blown glass. The fixture is encased by a cylinder of clear polished glass which is supported by a set of solid aluminum machined arms.



For the above configuration, order **GL01** for Outer Glass option or **GL01A** for Outer Acrylic option.



For the above configuration, order **GL02** for Outer Glass option or **GL02A** for Outer Acrylic option.

Mounting options for PM series

Cat. no.	Finish	Description
SK01	Satin Aluminum	120" Length, Cable/Cord
SK02	Satin Aluminum	300" Length, Cable/Cord
SMK	Satin Aluminum	Surface mount- PM32SA Only
ST01	Satin Aluminum	36" Length, 3/8" Stem
ST02	Satin Aluminum	60" Length, 3/8" Stem
CTC	Satin Aluminum	Close to Ceiling
TM01	Silver	Track Mounting Kit 1- Adapter System

All Suspension kits conform to California Earthquake Codes.
Also all suspension kits, except **SMK** and **CTC** are field cuttable.

Vetro 2 3/8" pendants

PS Series

A blend of slender and classic proportions. Clean lines with an extruded and cast aluminum housing, and triple layered hand blown glass. This is a fixture to be used as a solitary pendant, or suspended in patterns. Provides elegant proportions, ambient illumination, and a soft glow to a space. A sophisticated pendant presented under glass. Layers, space, light, and basic geometry provide the depth and visual interest suited to enhance a variety of architectural styles.

Glass

Inner: Hand-Blown Triplex glass maximizes diffusion of light evenly along length of glass.

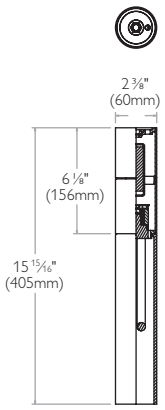
Outer: Extruded and Hand-Blown clear glass.

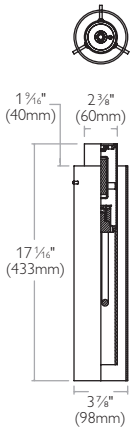
Additional options

To order the OSRAM 4-pin twin tube 41K lamp, please use Philips Lightolier **56964.**

For Fixtures that use 13W Quad tube lamp, add **Q** to the suffix. Example **PS13QSA**.

All units are cULus listed, suitable for damp locations.





For the above configuration order **GLS01** for Outer Glass option or **GLS01A** for Outer Acrylic option.

Ordering information for PS series

Power head	Inner glass	Outer glass	Lamp	Volts
PS13SA	**SG01L**	NA	4-pin Electric Twin Tube 13W	120V
PS132SA	**SG01L**	NA	4-pin Electric Twin Tube 13W	277V
PS50SA	**SG01L**	NA	T-4 Mini-Can 50W	120V
PS01L27SAU	**SG01L**	NA	LED 6W 27K	120V-277V
PS01L30SAU	**SG01L**	NA	LED 6W 30K	120V-277V
PS01L35SAU	**SG01L**	NA	LED 6W 35K	120V-277V
PS01L40SAU	**SG01L**	NA	LED 6W 40K	120V-277V

Must order Power Head and Glass separately.
For Inner Acrylic option, order **SA01L**.

Mounting options for PM series

Cat. no.	Finish	Description
SK01	Satin Aluminum	120" Length, Cable/Cord
SK02	Satin Aluminum	300" Length, Cable/Cord
ST01	Satin Aluminum	36" Length, 3/8" Stem
ST02	Satin Aluminum	60" Length, 3/8" Stem
CTC	Satin Aluminum	Close to Ceiling
TM01	Silver	Track Mounting Kit 1- Adapter System

All suspension kits conform to California Earthquake Codes.
Also, all suspension kits except **CTC** are field cuttable.

Vetro ADA wall sconce

PW Series

The cylindrical portion of the power compartment gently nests within the cast aluminum wall bracket to keep the wall fixture in compliance with ADA guidelines. Three layers of hand blown glass gently diffuse either the compact fluorescent, or the incandescent light source.

Ordering information for PW series

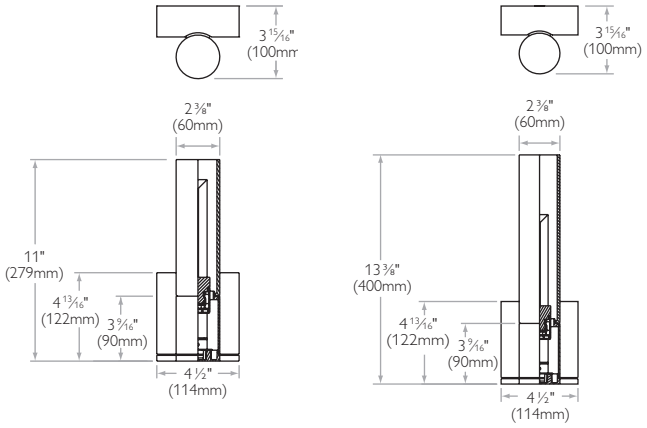
Chassis	Inner glass	Outer glass	Lamp	Volts
PW13SA	**SG01L**	NA	4-pin Electric Twin Tube 13W	120V
PW132SA	**SG01L**	NA	4-pin Electric Twin Tube 13W	277V
PW50SA	**SG01L**	NA	T-4 Mini-Can 50W	120V
PW01L27SAU	**SG01L**	NA	LED 6W 27K	120V-277V
PW01L30SAU	**SG01L**	NA	LED 6W 30K	120V-277V
PW01L35SAU	**SG01L**	NA	LED 6W 35K	120V-277V
PW01L40SAU	**SG01L**	NA	LED 6W 40K	120V-277V

Must order Wall Chassis and Glass separately.
For Inner Acrylic option, order **SA01L**.

Ordering information for PW series

Chassis	Inner glass	Outer glass	Lamp	Volts
PW13SA	**SG02L**	NA	4-pin Electric Twin Tube 13W	120V
PW132SA	**SG02L**	NA	4-pin Electric Twin Tube 13W	277V
PW50SA	**SG02L**	NA	T-4 Mini-Can 50W	120V
PW01L27SAU	**SG02L**	NA	LED 6W 27K	120V-277V
PW01L30SAU	**SG02L**	NA	LED 6W 30K	120V-277V
PW01L35SAU	**SG02L**	NA	LED 6W 35K	120V-277V
PW01L40SAU	**SG02L**	NA	LED 6W 40K	120V-277V

Must order Wall Chassis and Glass separately.
For Inner Acrylic option, order **SA02L**.



Features

ADA Compliant wall sconce

Power housing: Two-piece die cast aluminum.

Glass: Hand-Blown Triplex glass maximizes diffusion of light evenly along length of glass.

Additional options

To order the OSRAM 4-pin twin tube 41K lamp, please use Philips Lightolier **56964.**

For Fixtures that use 13W Quad tube lamp, add **Q** to the suffix. Example **PW13QSA.**

Vetro 5 ½" conical pendants

PS Series

A combination of two basic geometric forms, the cylinder and the cone. A source of ambient illumination and an object of visual interest. The FA01 presented under a conical section of glass.

Glass

Inner: Hand-Blown Triplex glass maximizes diffusion of light evenly along length of glass.

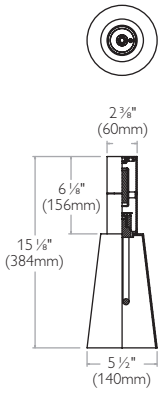
Outer: Extruded and Hand-Blown clear glass.

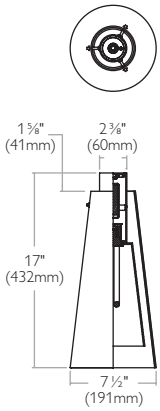
Additional options

To order the OSRAM 4-pin twin tube 41K lamp, please use Philips Lightolier **56964.**

For fixtures that use 13W Quad tube lamp, add **Q** to the suffix. Example **PS132QSA.**

All units are cULus listed, suitable for damp locations.





For the above configuration, order **GLS02** for Outer Glass option

Ordering information for PS series

Power head	Inner glass	Outer glass	Lamp	Volts
PS13SA	**SG03L**	NA	4-pin Electric Twin Tube 13 W	120V
PS132SA	**SG03L**	NA	4-pin Electric Twin Tube 13 W	277V
PS26SA	**SG03L**	NA	Quad 26W	120V
PS262SA	**SG03L**	NA	Quad 26W	277V
PS50SA	**SG03L**	NA	T-4 Mini-Can 50W	120V
PS01L27SAU	**SG03L**	NA	LED 6W 27K	120V-277V
PS01L30SAU	**SG03L**	NA	LED 6W 30K	120V-277V
PS01L35SAU	**SG03L**	NA	LED 6W 35K	120V-277V
PS01L40SAU	**SG03L**	NA	LED 6W 40K	120V-277V

Must order Power Head and Glass separately.

Mounting options for PS series

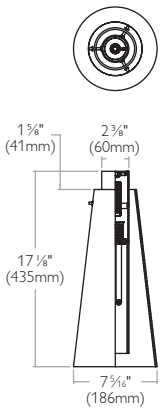
Cat. no.	Finish	Description
SK01	Satin Aluminum	120" Length, Cable/Cord
SK02	Satin Aluminum	300" Length, Cable/Cord
ST01	Satin Aluminum	36" Length, 3/8" Stem
ST02	Satin Aluminum	60" Length, 3/8" Stem
CTC	Satin Aluminum	Close to Ceiling
TM01	Silver	Track Mounting Kit 1- Adapter System

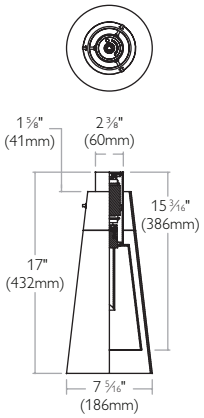
All suspension kits conform to California Earthquake Codes.
Also, all suspension kits except **CTC** are field cuttable.

Vetro 7 5⁄16" pendants

PS Series

The FS01 presented under a conical section of glass. Basic shapes combine to form a geometric presence.





For the above configuration, order **GLS03** for Outer Glass option

Glass

Inner: Hand-Blown Triplex glass maximizes diffusion of light evenly along length of glass.

Outer: Extruded and Hand-Blown clear glass.

Additional options

To order the Osram 4-pin twin tube 41K lamp, please use Philips Lightolier **56964.**

For fixtures that use 13W Quad tube lamp, add **Q** to the suffix. Example **PS13QSA**.

Ordering information for PS series

Power head	Inner glass	Outer glass	Lamp	Volts
PS13SA	**SG01L**	**GL02**	4-pin Electric Twin Tube 13 W	120V
PS132SA	**SG01L**	**GL02**	4-pin Electric Twin Tube 13 W	277V
PS26SA	**SG01L**	**GL02**	Quad 26W	120V
PS262SA	**SG01L**	**GL02**	Quad 26W	277V
PS50SA	**SG01L**	**GL02**	T-4 Mini-Can 50W	120V
PS01L27SAU	**SG01L**	**GL02**	LED 6W 27K	120V-277V
PS01L30SAU	**SG01L**	**GL02**	LED 6W 30K	120V-277V
PS01L35SAU	**SG01L**	**GL02**	LED 6W 35K	120V-277V
PS01L40SAU	**SG01L**	**GL02**	LED 6W 40K	120V-277V

Must order Power Head and Glass separately.
For Inner Acrylic option, order **SA01L**

Vetro decorative downlight

D01, D02, D03, D13, D04, & D14 Series

A definitive design statement utilizing balance and proportions. With uncompromising style and the look of clean, spare elegance, Vetro Downlights open a world of creative potential. Designed for stand-out style or a reserved minimal look, the Downlights offer unlimited scope for a broad variety of applications – all within the same design family.

Crescent Wells Fargo
Photograph: Nick Merrick © Hedrich Blessing

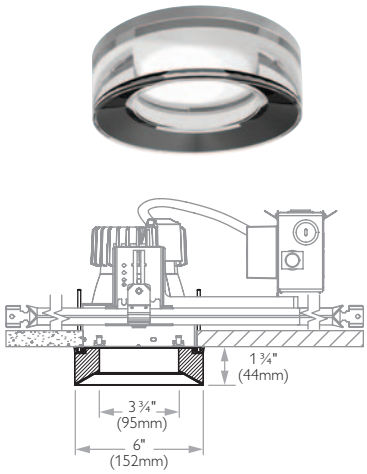
Vetro decorative downlight

D01 Series

A solid translucent form with aluminum beveled insert and minimal satin ring. A clean geometric form combines a solid translucence with diverging layers and internal reflections to create interest in light. Subtle light patterns are revealed as light emanates in differing ways when viewed from different angles. The layered lighting delivers a contrasting bright with an inner glow offset by the matte satin ring. Any space is enhanced by placement and position.

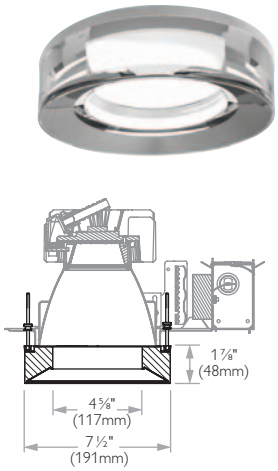
4" LED

D4A01: Vetro decorative accessory



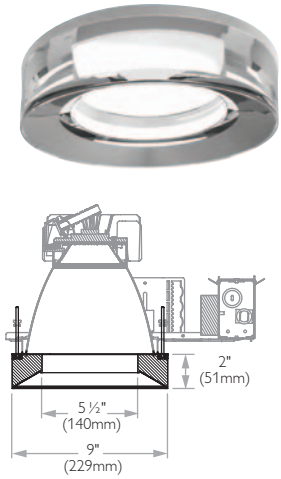
6" LED

D6A01: Vetro decorative accessory



7" LED

D7A01: Vetro decorative accessory



Ordering information for LED

For the 4" LED
D4A01 + C4L05 or C4L10 Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 6" LED
D6A01 + C6L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 7" LED
D7A01 + C7L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

Ordering information for HID & CFL

For CFL and Metal Halide options below, reference "Calculite trim and frame-in kit compatibility" on page 6.17 for applicable Calculite frame-in kit and trim ordering information and options.

Ordering example:
D4A01 + 8011CL + 4118VU = Complete fixture
8011CL Calculite trim sold separately and 4118VU Calculite frame sold separately

4" CFL
D4A01: Vetro decorative accessory

6" CFL
D6A01: Vetro decorative accessory

7" CFL
D7A01: Vetro decorative accessory

4" Metal halide
D4A01: Vetro decorative accessory

6" Metal halide
D6A01: Vetro decorative accessory

3" Evolution
D3MR01: Trim kit and decorative accessory (CL Reflector)

4" Evolution
D4MR01: Trim kit and decorative accessory (CL Reflector)

Note: For 3" and 4" Evolution combinations only, Decorative accessory includes Entire Trim Kit. For 4" CFL, 6" CFL, 7" CFL, 4" Metal Halide, 6" Metal Halide, the Calculite Trim Kit must be ordered separately. All combinations require the appropriate Calculite Frame-In Kit. Consult factory for metal halide availability. All units are cULus listed, suitable for damp locations.

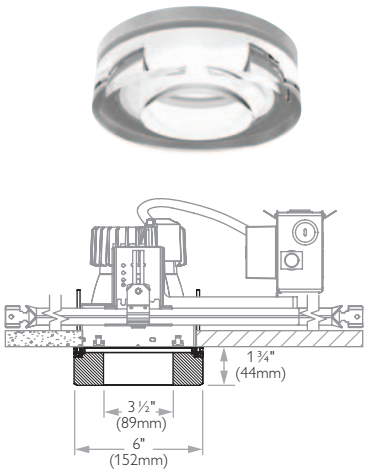
Vetro decorative downlight

D02 Series

Solid translucent disk with frosted interior and minimal satin ring. Light is released in layered complexity from this semi-recessed luminaire. A solid form of decorative transparency teamed with frosted layers and lighting present an elegant look. Light floats upward to create a soft ceiling wash which adds yet more interest and definition to a space.

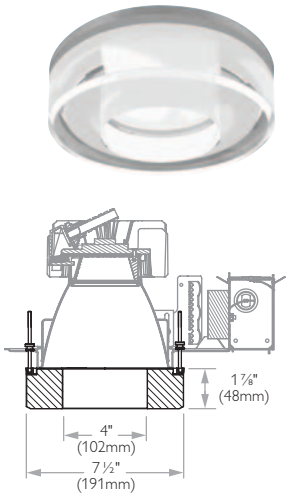
4" LED

D4A02: Vetro decorative accessory



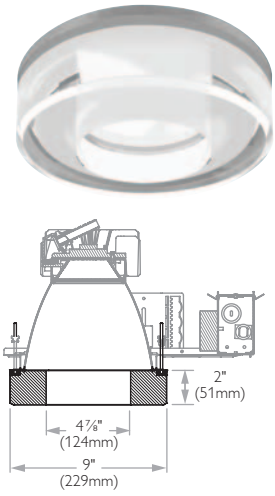
6" LED

D6A02: Vetro decorative accessory



7" LED

D7A02: Vetro decorative accessory



Ordering information for LED

For the 4" LED
D4A02 + C4L05 or C4L10 Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 6" LED
D6A02 + C6L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 7" LED
D7A02 + C7L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

Ordering information for HID & CFL

For CFL and Metal Halide options below, reference "Calculite trim and frame-in kit compatibility" on page 6.17 for applicable Calculite frame-in kit and trim ordering information and options.

Ordering example:
D4A02 + 8011CL + 4118VU = Complete fixture
8011CL Calculite trim sold separately and 4118VU Calculite frame sold separately

4" CFL
D4A02: Vetro decorative accessory

6" CFL
D6A02: Vetro decorative accessory

7" CFL
D7A02: Vetro decorative accessory

4" Metal halide
D4A02: Vetro decorative accessory

6" Metal halide
D6A02: Vetro decorative accessory

3" Evolution
D3MR02: Trim kit and decorative accessory (CL Reflector)

4" Evolution
D4MR02: Trim kit and decorative accessory (CL Reflector)

Note: For 3" and 4" Evolution combinations only, Decorative accessory includes Entire Trim Kit. For 4" CFL, 6" CFL, 7" CFL, 4" Metal Halide, 6" Metal Halide, the Calculite Trim Kit must be ordered separately. All combinations require the appropriate Calculite Frame-In Kit. Consult factory for metal halide availability. All units are cULus listed, suitable for damp locations.

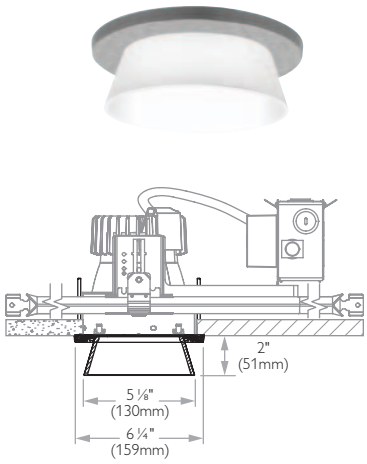
Vetro decorative downlight

D03 Series

Angled double opal glass accessory with satin aluminum ring. The ultimate in elegance, the flared luminaire delivers soft, glowing light diffused by frosted opal glass. The setting of satin aluminum adds a distinct design element.

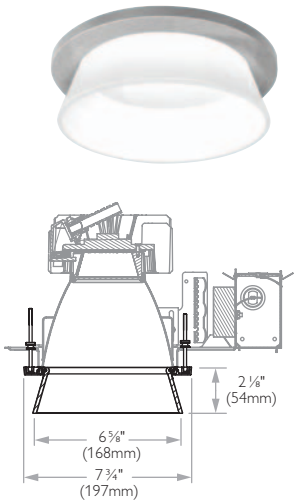
4" LED

D4A03: Vetro decorative accessory



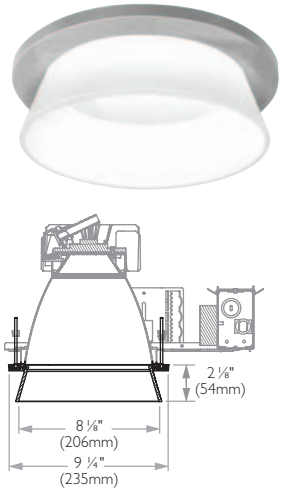
6" LED

D6A03: Vetro decorative accessory



7" LED

D7A03: Vetro decorative accessory



Ordering information for LED

For the 4" LED
D4A03 + C4L05 or C4L10 Series Calculite Frame-In Kits and Flangeless Trims
(sold separately)

For the 6" LED
D6A03 + C6L Series Calculite Frame-In Kits and Flangeless Trims
(sold separately)

For the 7" LED
D7A03 + C7L Series Calculite Frame-In Kits and Flangeless Trims
(sold separately)

Ordering information for HID & CFL

For CFL and Metal Halide options below, reference "Calculite trim and frame-in kit compatibility" on page 6.17 for applicable Calculite frame-in kit and trim ordering information and options.

Ordering example:
D4A03 + 8011CL + 4118VU = Complete fixture
8011CL Calculite trim sold separately and 4118VU Calculite frame sold separately

4" CFL
D4A03: Vetro decorative accessory

6" CFL
D6A03: Vetro decorative accessory

7" CFL
D7A03: Vetro decorative accessory

4" Metal halide
D4A03: Vetro decorative accessory

6" Metal halide
D6A03: Vetro decorative accessory

3" Evolution
D3MR03: Trim kit and decorative accessory (CL Reflector)

4" Evolution
D4MR03: Trim kit and decorative accessory (CL Reflector)

Note: For 3" and 4" Evolution combinations only, Decorative accessory includes Entire Trim Kit. For 4" CFL, 6" CFL, 7" CFL, 4" Metal Halide, 6" Metal Halide, the Calculite Trim Kit must be ordered separately. All combinations require the appropriate Calculite Frame-In Kit. Consult factory for metal halide availability. All units are cULus listed, suitable for damp locations.

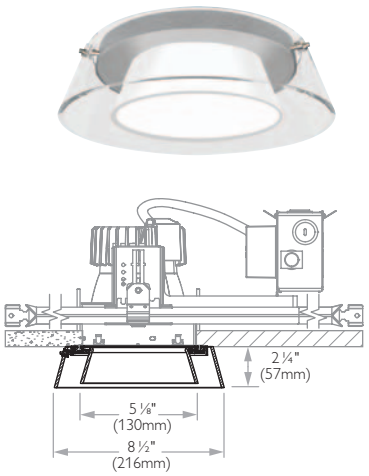
Vetro decorative downlight

D13 Series

Angled double opal glass in angled clear glass with satin aluminum ring. The striking design of opal encased in clear angled glass creates a stunning luminaire with exceptional interest. The simple pin supports on the satin aluminum ring add an understated element to the design.

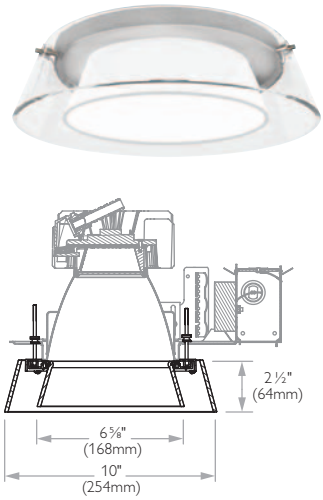
4" LED

D4A13: Vetro decorative accessory



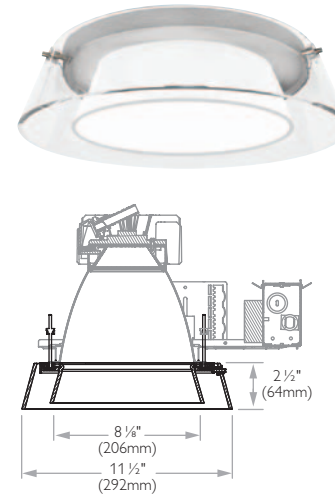
6" LED

D6A13: Vetro decorative accessory



7" LED

D7A13: Vetro decorative accessory



Ordering information for LED

For the 4" LED
D4A13 + C4L05 or C4L10 Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 6" LED
D6A13 + C6L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 7" LED
D7A13 + C7L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

Ordering information for HID & CFL

For CFL and Metal Halide options below, reference "Calculite trim and frame-in kit compatibility" on page 6.17 for applicable Calculite frame-in kit and trim ordering information and options.

Ordering Example:
D4A13 + 8011CL + 4118VU = Complete Fixture
8011CL Calculite trim sold separately and 4118VU Calculite frame sold separately

4" CFL
D4A13: Vetro decorative accessory

6" CFL
D6A13: Vetro decorative accessory

7" CFL
D7A13: Vetro decorative accessory

4" Metal halide
D4A13: Vetro decorative accessory

6" Metal halide
D6A13: Vetro decorative accessory

3" Evolution
D3MR13: Trim kit and decorative accessory (CL Reflector)

4" Evolution
D4MR13: Trim kit and decorative accessory (CL Reflector)

Note: For 3" and 4" Evolution combinations only, Decorative accessory includes Entire Trim Kit. For 4" CFL, 6" CFL, 7" CFL, 4" Metal Halide, 6" Metal Halide, the Calculite Trim Kit must be ordered separately. All combinations require the appropriate Calculite Frame-In Kit. Consult factory for metal halide availability. All units are cULus listed, suitable for damp locations.

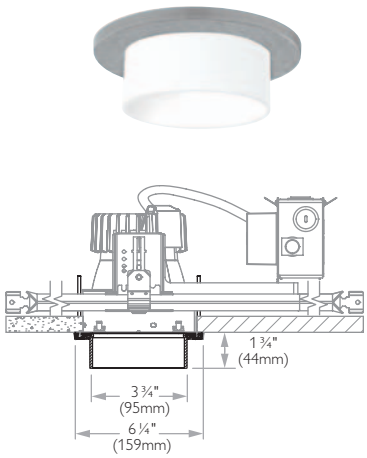
Vetro decorative downlight

D04 Series

Opal glass accessory with satin aluminum ring. Perfectly smooth opalescent cylinder highlights the clean design. A satin aluminum ring adds to the finely engineered look.

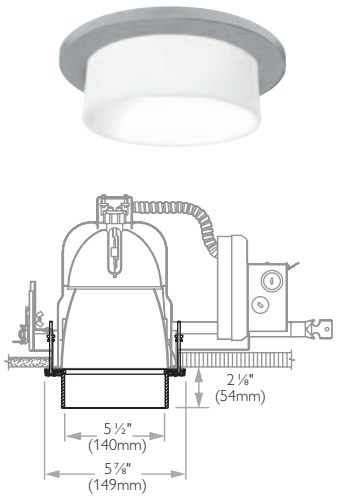
4" LED

D4A04: Vetro decorative accessory



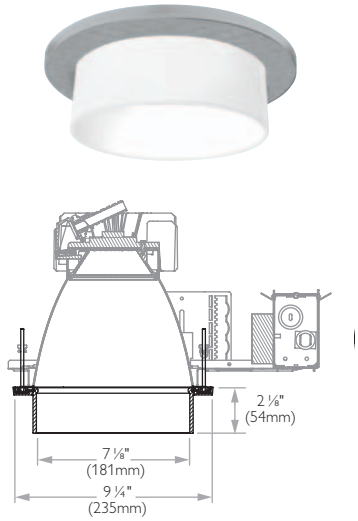
6" LED

D6A04: Vetro decorative accessory



7" LED

D7A04: Vetro decorative accessory



Ordering information for LED

For the 4" LED
D4A04 + C4L05 or C4L10 Series Calculite Frame-In Kits and Flangeless Trims
(sold separately)

For the 6" LED
D6A04 + C6L Series Calculite Frame-In Kits and Flangeless Trims
(sold separately)

For the 7" LED
D7A04 + C7L Series Calculite Frame-In Kits and Flangeless Trims
(sold separately)

Ordering information for HID & CFL

For CFL and Metal Halide options below, reference "Calculite trim and frame-in kit compatibility" on page 6.17 for applicable Calculite frame-in kit and trim ordering information and options.

Ordering Example:
D4A04 + 8011CL + 4118VU = Complete Fixture
8011CL Calculite trim sold separately and 4118VU Calculite frame sold separately

4" CFL
D4A04: Vetro decorative accessory

6" CFL
D6A04: Vetro decorative accessory

7" CFL
D7A04: Vetro decorative accessory

4" Metal halide
D4A04: Vetro decorative accessory

6" Metal halide
D6A04: Vetro decorative accessory

3" Evolution
D3MR04: Trim kit and decorative accessory (CL Reflector)

4" Evolution
D4MR04: Trim kit and decorative accessory (CL Reflector)

Note: For 3" and 4" Evolution combinations only, Decorative accessory includes Entire Trim Kit. For 4" CFL, 6" CFL, 7" CFL, 4" Metal Halide, 6" Metal Halide, the Calculite Trim Kit must be ordered separately. All combinations require the appropriate Calculite Frame-In Kit. Consult factory for metal halide availability. All units are cULus listed, suitable for damp locations.

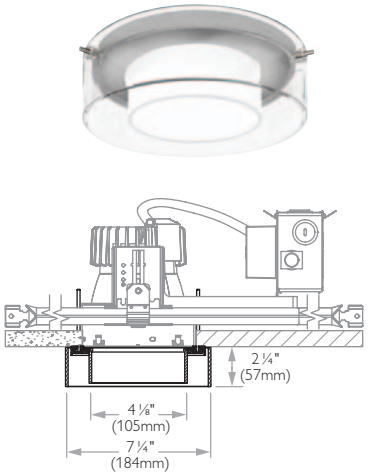
Vetro decorative downlight

D14 Series

Opal glass in clear glass with satin aluminum ring. The perfectly illuminated design of opal encased in a layer of clear glass lends an added element of design for heightened interest. Simple pin supports on the satin aluminum ring create an understated visual element.

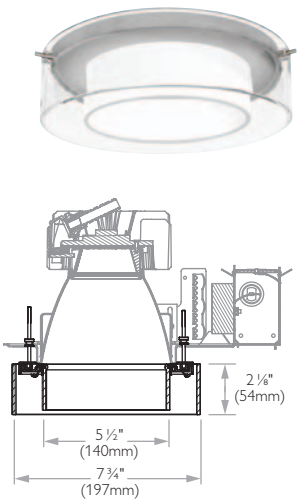
4" LED

D4A14: Vetro decorative accessory



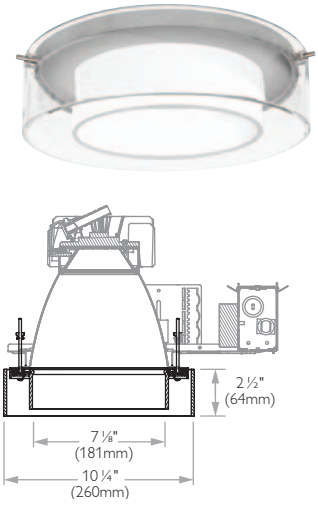
6" LED

D6A14: Vetro decorative accessory



7" LED

D7A14: Vetro decorative accessory



Ordering information for LED

For the 4" LED
D4A14 + C4L05 or C4L10 Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 6" LED
D6A14 + C6L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

For the 7" LED
D7A14 + C7L Series
Calculite Frame-In Kits
and Flangeless Trims
(sold separately)

Ordering information for HID & CFL

For CFL and Metal Halide options below, reference "Calculite trim and frame-in kit compatibility" on page 6.17 for applicable Calculite frame-in kit and trim ordering information and options.

Ordering Example:
D4A14 + 8011CL + 4118VU = Complete Fixture
8011CL Calculite trim sold separately and 4118VU Calculite frame sold separately

4" CFL
D4A14: Vetro decorative accessory

6" CFL
D6A14: Vetro decorative accessory

7" CFL
D7A14: Vetro decorative accessory

4" Metal halide
D4A14: Vetro decorative accessory

6" Metal halide
D6A14: Vetro decorative accessory

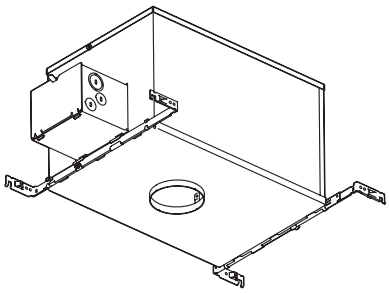
3" Evolution
D3MR14: Trim kit and decorative accessory (CL Reflector)

4" Evolution
D4MR14: Trim kit and decorative accessory (CL Reflector)

Note: For 3" and 4" Evolution combinations only, Decorative accessory includes Entire Trim Kit. For 4" CFL, 6" CFL, 7" CFL, 4" Metal Halide, 6" Metal Halide, the Calculite Trim Kit must be ordered separately. All combinations require the appropriate Calculite Frame-In Kit. Consult factory for metal halide availability. All units are cULus listed, suitable for damp locations.

Vetro decorative downlight

Calculite trim and frame-in kit compatibility



4" CFL

Ordering information

1 **D4A01:** Vetro decorative accessory
2 Order Trim Separately: 8011CL
3 For use with Frame-In Kits: 4118VU Family

4" Metal Halide

Ordering information

1 For HID:
D4A01: Vetro decorative accessory
2 Order Trim Separately: C4T4VWCL
3 For use with Frame-In Kits:
C420T4EU; VC439T4E1; VC439T4E2

1 For 4" PAR20 Metal halide:
D4A01: Vetro decorative accessory
2 Order Trim: C4P20MHCL
3 Order Frame-In Kit: C439P20E1 / E2

39W max. consult factory for other options.

3" Evolutions

Ordering information

1 **D3MR04:** Trim kit and decorative accessory (CL reflector)
2 For use with Frame-In Kits:
C3LV; C3AICLV; C3ALV; C3LVE1; C3LVE2; C3ALVE1; C3ALVE2; C3AICLVE1

6" CFL

Ordering information

1 For Vertical CFL:
D6A01: Vetro decorative accessory
2 Order Trim Separately: 8021CL; 8031CL; 8091PCL
3 For use with Frame-In Kits: S6132BU Family

1 For 13W Horizontal CFL:
D6A01: Vetro decorative accessory
2 Order Trim Separately: 8025CL
3 For use with Frame-In Kits: 6213HU Family

1 For 18W Horizontal CFL:
D6A01: Vetro decorative accessory
2 Order Trim Separately: 8056CL, 8096PCL
3 For use with Frame-In Kits: 6218HU Family

6" Metal Halide

Ordering information

1 For HID:
D6A01: Vetro decorative accessory
2 Order Trim Separately: C6T6VWCL
3 For use with Frame-In Kits: C639T6E1; C639T6E2

1 For 6" PAR30 Metal halide:
D6A01: Vetro decorative accessory
2 Order Trim: C6P30MHCL
3 Order Frame-In Kit: C639MHE1 / E2; C639MHU

39W max. consult factory for other options.

4" Evolutions

Ordering information

1 **D3MR04:** Trim kit and decorative accessory (CL reflector)
2 For use with Frame-In Kits:
C4LV; C4ALV; C4AICLV

7" CFL

Ordering information

1 For Vertical CFL:
D7A01: Vetro decorative accessory
2 Order Trim Separately: 8022CL; 8037CL; 8097PCL
3 For use with Frame-In Kits: S7142BU Family

1 For 2 Lamp Horizontal CFL:
D7A01: Vetro decorative accessory
2 Order Trim Separately: 8056CL, 8096PCL
3 For use with Frame-In Kits: 7218HU, S7226HU Fam.

1 For 1 Lamp Horizontal CFL:
D7A01: Vetro decorative accessory
2 Order Trim Separately: 8056CL
3 For use with Frame-In Kits: 7126HU Family

For more information on Applicable Trims and Frame-in-Kits, see Calculite specification sheets.

Optimo surface mount

Round & square series

Optimo, available in three main sizes: 12", 16", 22", utilizes basic geometry of round and squares. Opal composite diffusers are injection molded polycarbonate and polished acrylic for sleek luminous planes on the forward face. Each luminaire utilizes energy efficient, electronic compact fluorescent lamps that offer the most even and architecturally desirable illumination.

Each luminaire has a solidly manufactured, true aluminum body. This design is superior in both mechanical durability and results in a sleeker visual offering. Optimo truly combines form and function. The end result is a varied array of design tools available to enhance the most discerning interiors.

Optimo is designed with the luminaire floating off the mounting plane, creating a ribbon of standard white light to the back of each body. Accessory kits are available in three additional shades: garnet, sapphire, and citrine. The total effect creates a weightless design entity that adds a sophisticated element to the space.

Optimo round reveal

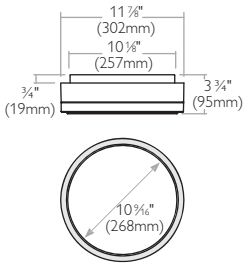
RR Series

Classic satin aluminum housing displays a continuous Side Spill Reveal of light.
Opal composite diffusers provide a clean geometric interest of light.

Ordering information: Order Diffuser + Backplate for a complete fixture.

RR12AL

Round reveal · 12-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K

ADA Compliant

Diffuser assembly
RR12AL
Housing: 12" Side Spill Reveal Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

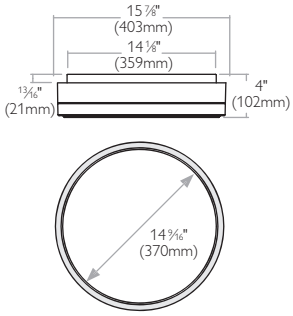
CFL Backplate
R122U
Backplate: 12" Round
Ballast: 120V-277V
Lamp: 22W Circline (2GX13 Base)

LED Backplate
R01L12
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
RACC12 Citrine Garnet Sapphire

RR16AL

Round reveal · 16-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
56958 40W Circline 3000K
56965 40W Circline 3500K

ADA Compliant

Diffuser assembly
RR16AL
Housing: 16" Side Spill Reveal Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate
R16140U*
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 40W Circline (2GX13 Base)

R2240U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 22W & 40W Circline (2GX13 Base)

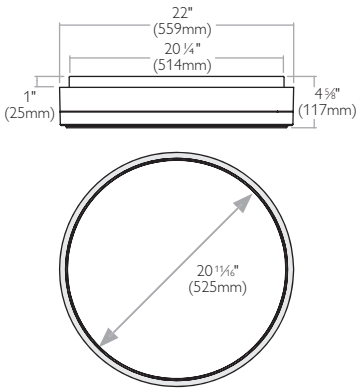
R318U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: (3) 18W Twin Tube (2G11 Base)

LED Backplate
R01L16
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
RACC16 Citrine Garnet Sapphire

RR22AL

Round reveal · 22-inch



Diffuser assembly
RR22AL
Housing: 16" Side Spill Reveal Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate
R2436U
Backplate: 22" Round
Ballast: 120V-277V
Lamp: (2) 24W and (2) 36W Twin Tube (2G11 Base)

R222436U*
Backplate: 22" Round
Ballast: 120V-277V
Lamp: (2) 24W and (1) 36W Twin Tube (2G11 Base)

LED Backplate
R01L22
Backplate: 22" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
RACC22 Citrine Garnet Sapphire

Please consult specification sheets for **EM** and additional lamping options.

* Add **E** to SKU for emergency option.

Optimo round taper

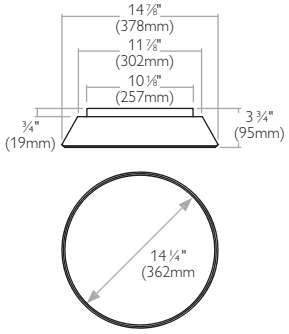
RT Series

True aluminum body transition adds a contemporary element to a space.
Ornate diffusers offer even illumination for a sleek visual offering.

Ordering information: Order Diffuser + Backplate for a complete fixture.

RT12AL

Round taper · 12-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K

ADA Compliant

Diffuser assembly

RT12AL
Housing: 12" Tapered Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate

R122U
Backplate: 12" Round
Ballast: 120V-277V
Lamp: 22W Circline (2GX13 Base)

LED Backplate

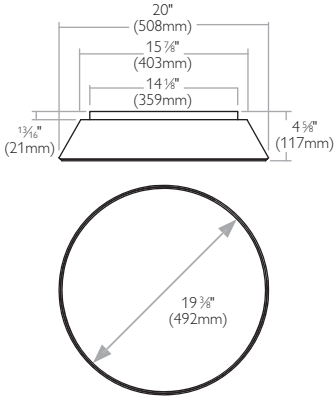
R01L12
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)

RACC12 Citrine Garnet Sapphire

RT16AL

Round taper · 16-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
56958 40W Circline 3000K
56965 40W Circline 3500K

Diffuser assembly

RT16AL
Housing: 16" Tapered Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate

R16140U*
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 40W Circline (2GX13 Base)

R2240U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 22W & 40W Circline (2GX13 Base)

R318U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: (3) 18W Twin Tube (2G11 Base)

LED Backplate

R01L16
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)

RACC16 Citrine Garnet Sapphire

Please consult specification sheets for **EM** and additional lamping options.

* Add **E** to SKU for emergency option.

Optimo round curve

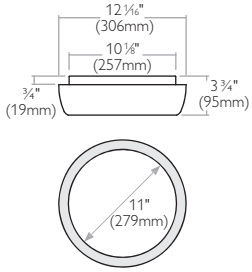
RC Series

Polished diffusers offer sleek luminous planes on the forward face.
Die-cast aluminum body offers a weightless design.

Ordering information: Order Diffuser + Backplate for a complete fixture.

RC12AL

Round curve · 12-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
ADA Compliant

Diffuser assembly
RC12AL
Housing: 12" Curved Satin Aluminum
Diffuser: Opal Flat Acrylic

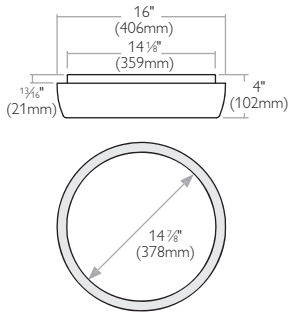
CFL Backplate
R122U
Backplate: 12" Round
Ballast: 120V-277V
Lamp: 22W Circline (2GX13 Base)

LED Backplate
R01L12
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
RACC12 Citrine Garnet Sapphire

RC16AL

Round curve · 16-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
56958 40W Circline 3000K
56965 40W Circline 3500K
ADA Compliant

Diffuser assembly
RC16AL
Housing: 16" Curved Satin Aluminum
Diffuser: Opal Flat Acrylic

CFL Backplate
R16140U*
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 40W Circline (2GX13 Base)

R2240U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 22W & 40W Circline (2GX13 Base)

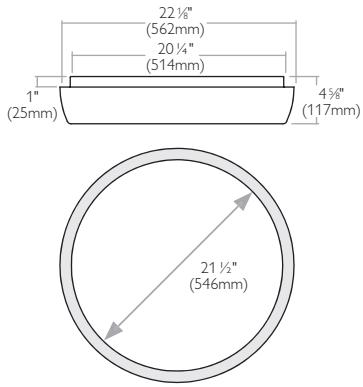
R318U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: (3) 18W Twin Tube (2G11 Base)

LED Backplate
R01L16
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
RACC16 Citrine Garnet Sapphire

RC22AL

Round curve · 22-inch



Diffuser assembly
RC22AL
Housing: 22" Curved Satin Aluminum
Diffuser: Opal Flat Acrylic

CFL Backplate
R2436U
Backplate: 22" Round
Ballast: 120V-277V
Lamp: (2) 24W and (2) 36W Twin Tube (2G11 Base)

R222436U*
Backplate: 22" Round
Ballast: 120V-277V
Lamp: (2) 24W and (1) 36W Twin Tube (2G11 Base)

LED Backplate
R01L22
Backplate: 22" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
RACC22 Citrine Garnet Sapphire

Please consult specification sheets for **EM** and additional lamping options.

* Add **E** to SKU for emergency option.

Optimo square reveal

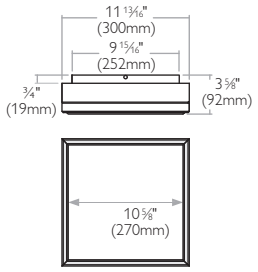
SR Series

Side Spill Reveal of light offers an added level of architectural sophistication to a space. Designed for even illumination.

Ordering information: Order Diffuser + Backplate for a complete fixture.

SR12AL

Square reveal · 12-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
ADA Compliant

Diffuser assembly
SR12AL
Housing: 12" Side Spill Reveal Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

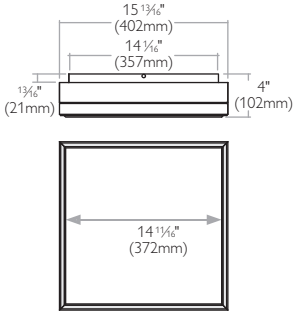
CFL Backplate
S122U
Backplate: 12" Round
Ballast: 120V-277V
Lamp: 22W Circline (2GX13 Base)

LED Backplate
S01L12
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
SACC12 Citrine Garnet Sapphire

SR16AL

Square reveal · 16-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
56958 40W Circline 3000K
56965 40W Circline 3500K
ADA Compliant

Diffuser assembly
SR16AL
Housing: 16" Side Spill Reveal Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate
S16140U*
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 40W Circline (2GX13 Base)

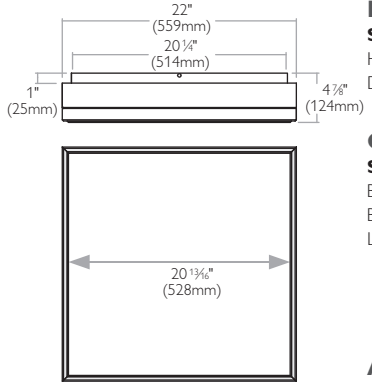
S2240U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 22W & 40W Circline (2GX13 Base)

LED Backplate
S01L16
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
SACC16 Citrine Garnet Sapphire

SR22AL

Square reveal · 22-inch



Diffuser assembly
SR22AL
Housing: 22" Side Spill Reveal Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate
S336U
Backplate: 22" Round
Ballast: 120V-277V
Lamp: (3) 36W Twin Tube (2G11 Base)

S22324U*
Backplate: 22" Round
Ballast: 120V-277V
Lamp: (3) 24W Twin Tube (2G11 Base)

LED Backplate
S01L22
Backplate: 22" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)
SACC22 Citrine Garnet Sapphire

Please consult specification sheets for **EM** and additional lamping options.

* Add **E** to SKU for emergency option.

Optimo square taper

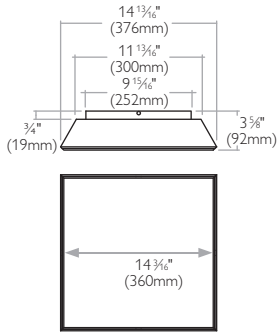
ST Series

The tapered detail adds a distinct design element, simple but expressive. Standard back reveal of white light creates an accentuated level of class.

Ordering information: Order Diffuser + Backplate for a complete fixture.

ST12AL

Square taper · 12-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K

ADA Compliant

Diffuser assembly

ST12AL
Housing: 12" Tapered Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate

S122U
Backplate: 12" Round
Ballast: 120V-277V
Lamp: 22W Circline (2GX13 Base)

LED Backplate

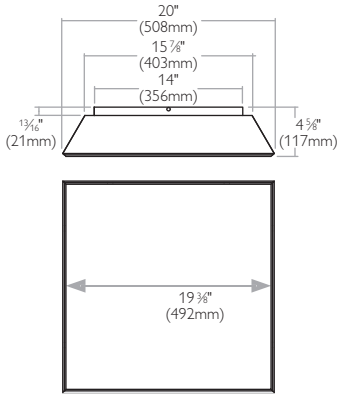
S01L12
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)

SACC12 Citrine Garnet Sapphire

ST16AL

Square taper · 16-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
56958 40W Circline 3000K
56965 40W Circline 3500K

Diffuser assembly

ST16AL
Housing: 16" Tapered Satin Aluminum
Diffuser: White Chamfered Injection Molded Polycarbonate

CFL Backplate

S16140U*
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 40W Circline (2GX13 Base)

S2240U
Backplate: 16" Round
Ballast: 120V-277V
Lamp: 22W & 40W Circline (2GX13 Base)

LED Backplate

S01L16
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)

SACC12 Citrine Garnet Sapphire

Please consult specification sheets for **EM** and additional lamping options.

* Add **E** to SKU for emergency option.

Optimo curved square reveal

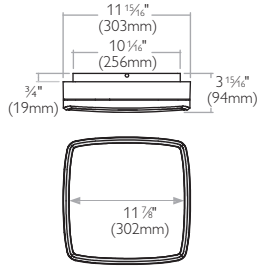
CSR Series

Curved Optimo is both a simple and pure design tool. Elegant ribbon of light to the back of each body.

Ordering information: order diffuser + backplate for a complete fixture.

CSR12AL

Curved square reveal · 12-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K

ADA Compliant

Diffuser assembly

CSR12AL

Housing: 12" Side Spill Reveal Curved Satin Aluminum
Diffuser: White Injection Molded Polycarbonate

CFL Backplate

S122U

Backplate: 12" Round
Ballast: 120V-277V
Lamp: 22W Circline (2GX13 Base)

LED Backplate

S01L12

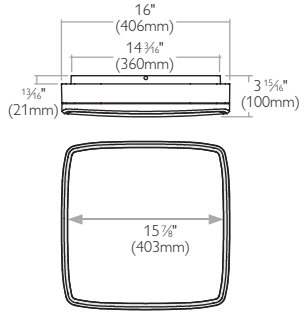
Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)

SQACC12 Citrine Garnet Sapphire

CSR16AL

Curved square reveal · 16-inch



Circline lamp

56949 22W Circline 3000K
56951 22W Circline 3500K
56958 40W Circline 3000K
56965 40W Circline 3500K

Diffuser assembly

CSR16AL

Housing: 16" Side Spill Reveal Curved Satin Aluminum
Diffuser: White Injection Molded Polycarbonate

CFL Backplate

S16140U*

Backplate: 16" Round
Ballast: 120V-277V
Lamp: 40W Circline (2GX13 Base)

S2240U

Backplate: 16" Round
Ballast: 120V-277V
Lamp: 22W & 40W Circline (2GX13 Base)

LED Backplate

S01L16

Backplate: 12" Round
Power Supply: 120V electronic (24V DC Output)
Lamp: 4.5W White LED Boards

Accessory color kit (includes all 3 colors)

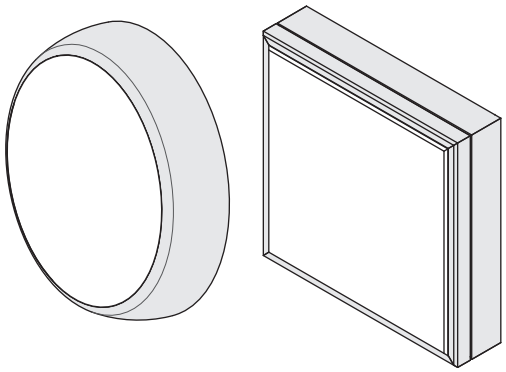
SQACC16 Citrine Garnet Sapphire

* Add **E** to SKU for emergency option.

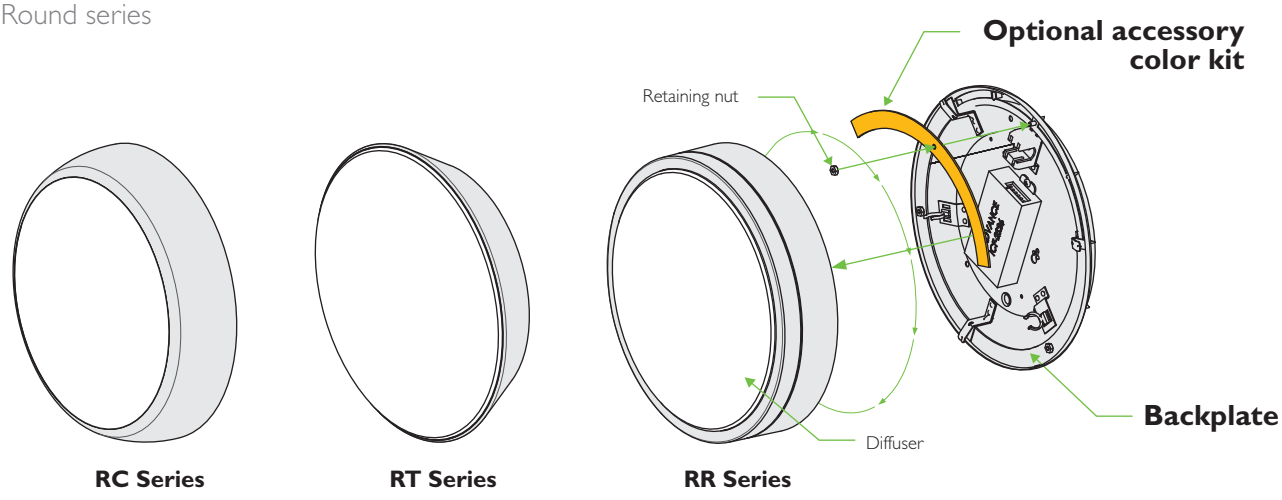
Please consult specification sheets for **EM** and additional lamping options.

Optimo deconstructed

Round & square series



Round series

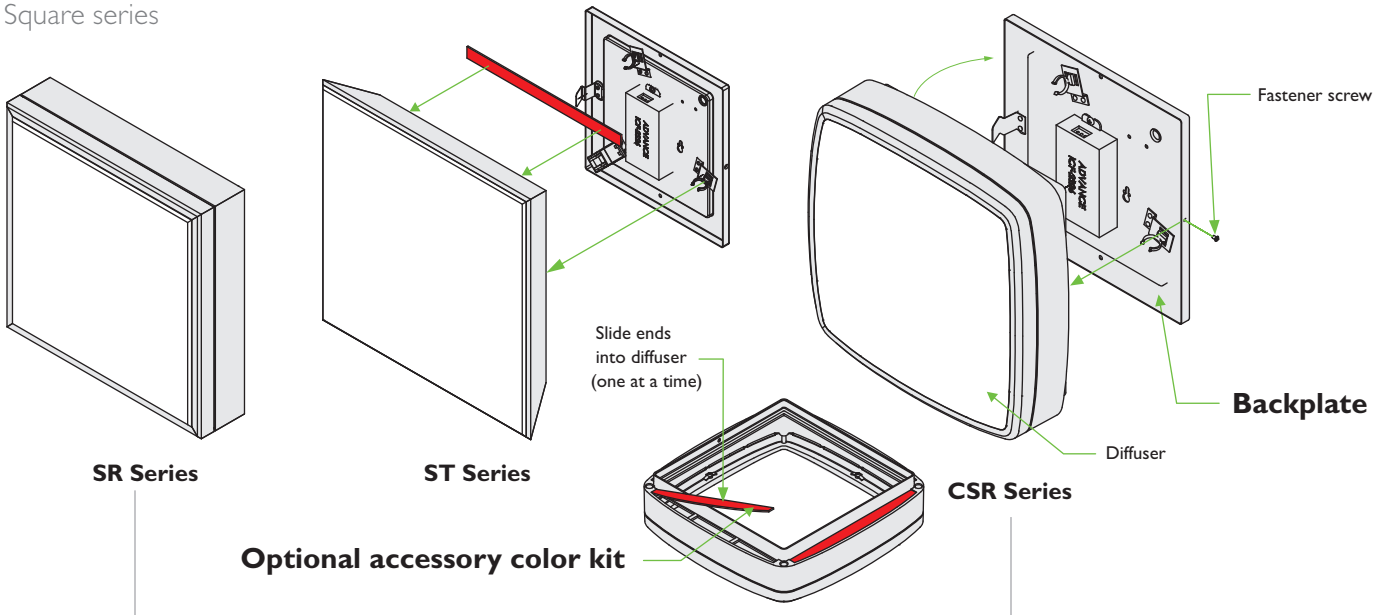


Ordering part #1: Diffuser assembly

Ordering part #2: Backplate

Optional ordering part #3: Optional accessory color kit

Square series



Ordering part #1: Diffuser assembly

Ordering part #2: Backplate

Optional ordering part #3: Optional accessory color kit

Brisa surface mounted ADA

Bow, Curve and Planar series

Brisa offers three discrete designs—Bow, Curve and Planar—ideal for numerous architectural requirements. Minimal, distinct forms define the collection. Proportions range from intimate to dramatic. Quality materials embody the designs. Opal glass evenly diffuses light while clear float glass highlights reflections. Brushed aluminum creates dramatic profiles and lines.

The minimal, clean aesthetic provides timeless options in light. Brisa provides a diverse set of tools for the Architect, Lighting Designer and Interior Designer. The designs stand alone as feature elements or blend seamlessly into the environment. Mounting options are ample—wall or ceiling, horizontal or vertical. Brisa is ADA compliant. Energy efficient T5 lamping meets today's sustainability needs. The Brisa package provides solutions with light.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed for dry location only.

Bow series

Curve series

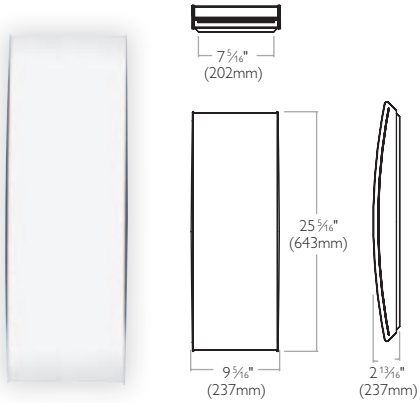
Planar series

Brisa surface mounted ADA

Bow series

9" Wide

FB9114: Fluorescent bow · 3 x 14W



Multiple lamp

Housing	Description	Volts	Lamp
FB9314U	Surface mount	120V-277V	(3) T5
FB9314UEM	Surface mount / emergency	120V-277V	(3) T5
FB9314LEC1	Surface mount / dimming*	120V	(3) T5
FB9314LEC2	Surface mount / dimming*	277V	(3) T5
FB9314UDA	Surface mount / dali dimming	120V-277V	(3) T5

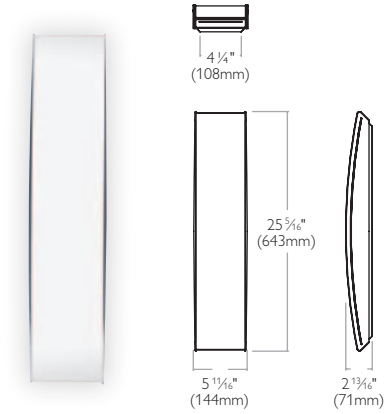
Note: FB9314LECI & **FB9314LEC2** are wall mount only.

Diffuser	Description	Finish	Dim.
FBA9	Acrylic Bow	Opal	9" x 24"
FBG9	Glass Bow	Opal	9" x 24"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

5" Wide

FB5114: Fluorescent bow · 14W



Single lamp

Housing	Description	Volts	Lamp
FB5114U	Surface mount	120V-277V	(1) T5
FB5114UEM	Surface mount / emergency	120V-277V	(1) T5
FB5114LEC1	Surface mount / dimming*	120V	(1) T5
FB5114LEC2	Surface mount / dimming*	277V	(1) T5
FB5114UDA	Surface mount / dali dimming	120V-277V	(1) T5

Diffuser	Description	Finish	Dim.
FBA5	Acrylic bow	Opal	5" x 24"
FBG5	Glass bow	Opal	5" x 24"

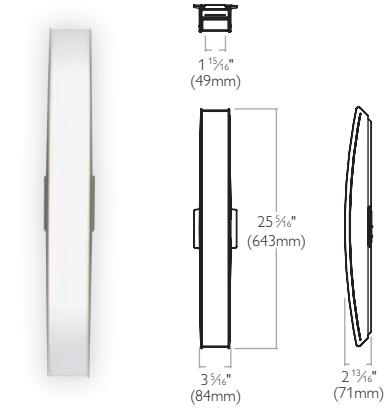
Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

Multiple lamp

Housing	Description	Volts	Lamp
FB5214U	Surface mount	120V-277V	(2) T5
FB5214LEC1	Surface mount / dimming*	120V	(2) T5
FB5214LEC2	Surface mount / dimming*	277V	(2) T5
FB5214UDA	Surface mount / dali dimming	120V-277V	(2) T5

3" Wide

FB3114: Fluorescent bow · 14W



Single lamp

Housing	Description	Volts	Lamp
FB3114E1	Surface mount	120V	(1) T5
FB3114E2	Surface mount	277V	(1) T5

Note: Bow 3" Series includes die-cast junction box cover.

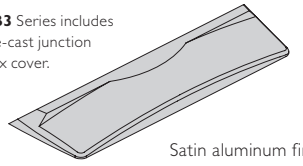
Diffuser	Description	Finish	Dim.
FBA3	Acrylic Bow	Opal	3" x 24"
FBG3	Glass Bow	Opal	3" x 24"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

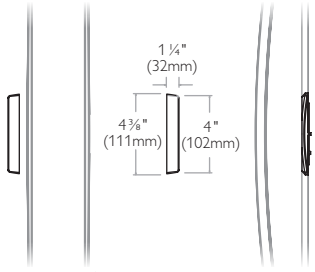
J-Box cover

1 ¼" wide · FB Covers

FB3 Series includes die-cast junction box cover.



Satin aluminum finish



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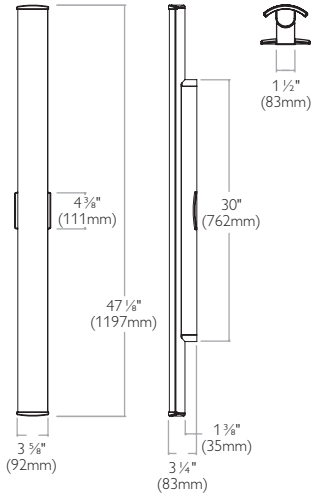
Brisa surface mounted ADA

Curved series

48" Long

FC28: Fluorescent curve · 28W



Single lamp

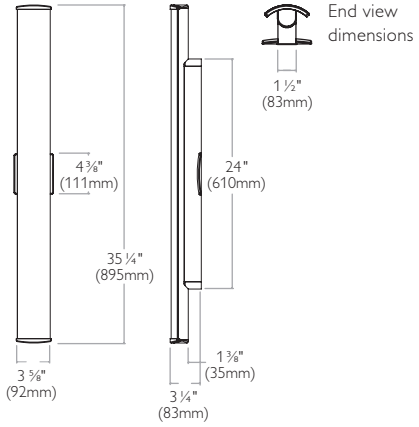
Housing	Description	Volts	Lamp
FC28U	Surface mount	120V-277V	(1) T5
FC28LEC1	Surface mount / dimming*	120V	(1) T5
FC28LEC2	Surface mount / dimming*	277V	(1) T5

Diffuser	Description	Finish	Dimensions
FCA3	Acrylic curve	Opal	4" x 48"
FCG3	Glass curve	Opal	4" x 48"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

36" Long

FC21: Fluorescent curve · 21W



Single lamp

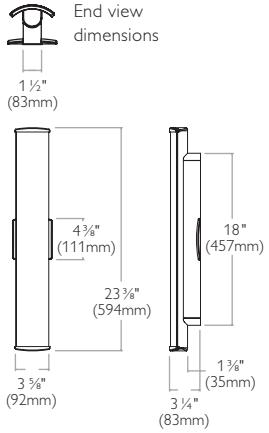
Housing	Description	Volts	Lamp
FC21U	Surface mount	120V-277V	(1) T5
FC21LEC1	Surface mount / dimming*	120V	(1) T5
FC21LEC2	Surface mount / dimming*	277V	(1) T5

Diffuser	Description	Finish	Dimensions
FCA2	Acrylic curve	Opal	4" x 36"
FCG2	Glass curve	Opal	4" x 36"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

24" Long

FC14: Fluorescent curve · 14W



Single Lamp

Housing	Description	Volts	Lamp
FC14U	Surface mount	120V-277V	(1) T5

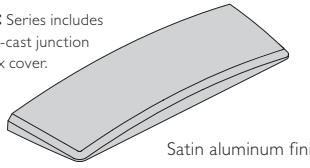
Diffuser	Description	Finish	Dimensions
FCA1	Acrylic curve	Opal	4" x 24"
FCG1	Glass curve	Opal	4" x 24"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

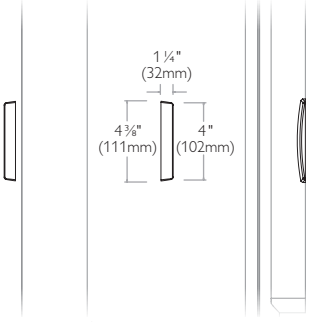
J-Box cover

1 ¼" wide · FC Covers

FC Series includes die-cast junction box cover.



Satin aluminum finish



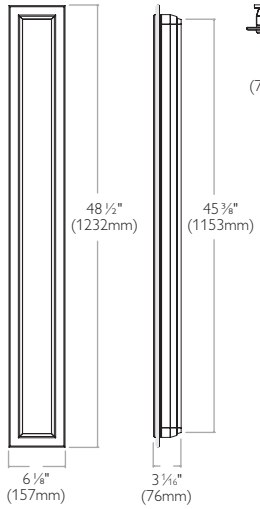
All units are cULus listed, suitable for damp locations. Emergency units are UL listed for dry location only.

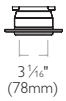
Brisa surface mounted ADA

Planar series

48" Long

FP28: Fluorescent planar · 28W





End view dimensions

Single lamp

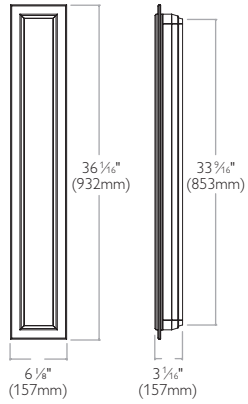
Housing	Description	Volts	Lamp
FP28U	Surface mount	120V-277V	(1) T5
FP28UEM	Surface mount / emergency	120V-277V	(1) T5
FP28LEC1	Surface mount / dimming*	120V	(1) T5
FP28LEC2	Surface mount / dimming*	277V	(1) T5
FP28UDA	Surface mount / dali dimming	120V-277V	(1) T5

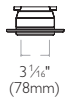
Diffuser	Description	Finish	Dimensions
FPA3	Acrylic planar	Opal	6" x 48"
FPG3	Glass planar	Opal	6" x 48"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

36" Long

FP21: Fluorescent planar · 21W





End view dimensions

Single lamp

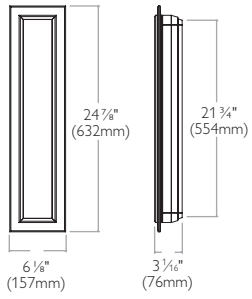
Housing	Description	Volts	Lamp
FP21U	Surface mount	120V-277V	(1) T5
FP21UEM	Surface mount / emergency	120V-277V	(1) T5
FP21LEC1	Surface mount / dimming*	120V	(1) T5
FP21LEC2	Surface mount / dimming*	277V	(1) T5
FP14UDA	Surface mount / dali dimming	120V-277V	(1) T5

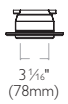
Diffuser	Description	Finish	Dimensions
FPA2	Acrylic planar	Opal	6" x 36"
FPG2	Glass planar	Opal	6" x 36"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

24" Long

FP14: Fluorescent planar · 14W





End view dimensions

Single lamp

Housing	Description	Volts	Lamp
FP14U	Surface mount	120V-277V	(1) T5
FP14UEM	Surface mount / emergency	120V-277V	(1) T5
FP14LEC1	Surface mount / dimming*	120V	(1) T5
FP14LEC2	Surface mount / dimming*	277V	(1) T5
FP14UDA	Surface mount / dali dimming	120V-277V	(1) T5

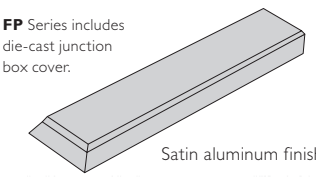
Diffuser	Description	Finish	Dimensions
FPA1	Acrylic planar	Opal	6" x 24"
FPG1	Glass planar	Opal	6" x 24"

Note: Must order both housing and diffuser for complete fixture.
* Lutron Eco-10 Dimming.

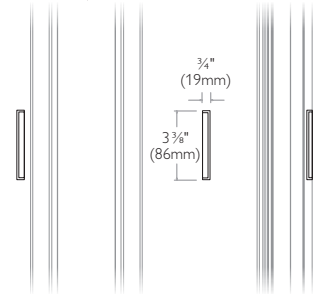
J-Box cover

¾" wide · FP Covers

FP Series includes die-cast junction box cover.



Satin aluminum finish



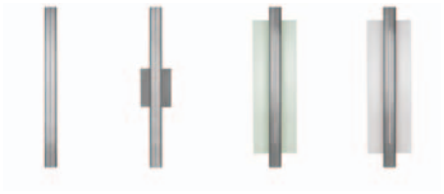
Soli surface mounted ADA

T5 Series

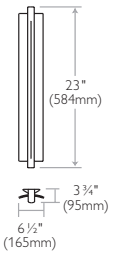
ADA compliant, energy efficient T5 linear fluorescent lamping, two diffuser options. Units can be wall mounted vertically, horizontally, or on the ceiling. The finish is a powder coat paint. Soli is light in equilibrium: a pure linear statement that accents interior elements through light and silhouette. Light filters through and reflects off the curvature of the etched glass, spilling onto the surrounding surface. A single brilliant line in the center of the silhouetted body maintains the balance between light and dark.

2' Long

T5 Surface mounted



2-Foot line | 2-Foot | 2-Foot Glow glass | 2-Foot Glow acrylic



Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48021ALU	2-Foot line	1 x 14W T5 LF	Electronic	120V-277V
48021AL24U	2-Foot line HO	1 x 24W T5 LFHO	Electronic	120V-277V
40874	2-Foot glow glass			
40914	2-Foot glow acrylic			

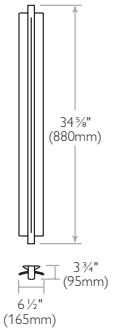
Note: Order glass/diffuser separately.

LF = Linear fluorescent.
HO = High output lamp.

3' Long

T5 Surface mounted

3-Foot line | 3-Foot | 3-Foot Glow glass | 3-Foot Glow acrylic



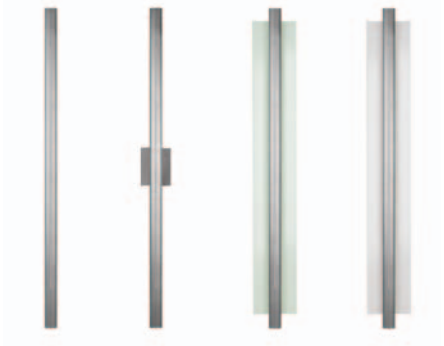
Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48022ALU	3-Foot line	1 x 21W T5 LF	Electronic	120V-277V
48022AL39U	3-Foot line HO	1 x 39W T5 LF HO	Electronic	120V-277V
40875	3-Foot glow glass			
40915	3-Foot glow acrylic			

Note: Order glass/diffuser separately.

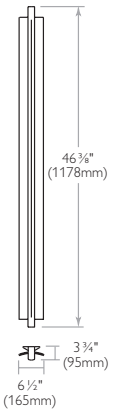
LF = Linear fluorescent.
HO = High output lamp.

4' Long

T5 Surface mounted



4-Foot line | 4-Foot | 4-Foot Glow glass | 4-Foot Glow acrylic



Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48023ALU	4-Foot line	1 x 28W T5 LF	Electronic	120V-277V
48023AL54U	4-Foot line HO	1 x 54W T5 LF HO	Electronic	120V-277V
40876	4-Foot glow glass			
40916	4-Foot glow acrylic			

Note: Order glass/diffuser separately.

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48023ALUE	Emergency	1 x 28W T5	Electronic	120V-277V
48023AL54UE	Emergency HO	1 x 54W T5 HO	Electronic	120V-277V

Note: Bodine® integral emergency pack rated for 90 minutes of operation.

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48023AL54MX1*	Dimming HO	1 x 54W T5 HO	Electronic	120V
48023AL54MX2*	Dimming HO	1 x 54W T5 HO	Electronic	277V
48023AL28DA	DALI	1 x 28W T5	Electronic	120V-277V
48023AL54DA	DALI HO	1 x 54W T5 HO	Electronic	120V-277V

Note: Order glass/diffuser separately.
* Advance Mark X

LF = Linear fluorescent.
HO = High output lamp.

Digital Addressable Lighting Interface (DALI)

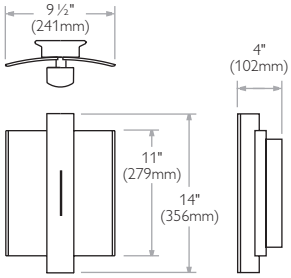
DALI is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Philips Lightolier IGEN Product Series.

Soli surface mounted ADA

Wall sconce & Continuum series

ADA compliant, Energy efficient CFL (compact fluorescent lighting) lamping. The finish is a powder coat paint. A design that evokes the illusion of floating, Soli Sconce meets all ADA requirements. Light emanating from within, plays through a gently curved diffuser spreading softly on the wall.

Wall sconce



Digital Addressable Lighting Interface (DALI)

DALI is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Philips Lightolier IGEN Product Series.

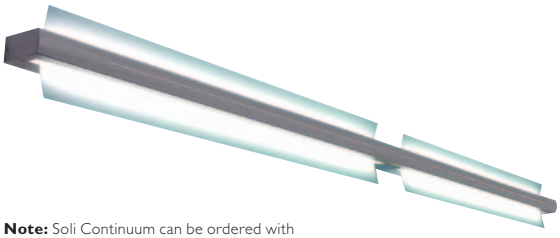
Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48020ALU	Soli CFL wall sconce	1 x 26/32/42W TTT CFL	Electronic	120V-277V
40873	Glass			
40913	Acrylic			

Note: Order glass/diffuser separately.

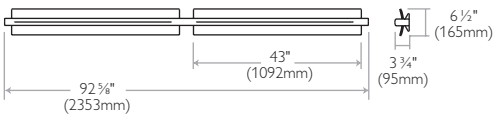
Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48020ALMX1*	Mark X dimming	1 x 26/32/42W TTT CFL	Electronic	120V
48020ALMX2*	Mark X dimming	1 x 26/32/42W TTT CFL	Electronic	277V
48020ALE3	Canada version	1 x 26/32/42W TTT CFL	Electronic	347V
48020ALUDA	DALI	1 x 26/32/42W TTT CFL	Electronic	120V-277V

Note: Order glass/diffuser separately.
* Advance Mark 10

Continuum



Note: Soli Continuum can be ordered with or without diffusers. Order diffusers separately.



Digital Addressable Lighting Interface (DALI)

DALI is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Philips Lightolier IGEN Product Series.

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48024ALU	Continuum line	2 x 28W T5 LF	Electronic	120V-277V
48024AL54U	Continuum line HO	2 x 54W T5 LF HO	Electronic	120V-277V
40876	Glass diffuser			
40916	Acrylic diffuser			

Note: Max width of 4.5" includes cast J-Box cover. (Covers included with Soli Continuum)
If ordering glass/acrylic remember to order two of each.

LF = Linear fluorescent.
HO = High output lamp.

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48024ALUE	Emergency	2 x 28W T5	Electronic	120V-277V
48024AL54UE	Emergency HO	2 x 54W T5 HO	Electronic	120V-277V

Note: Bodine® integral emergency pack rated for 90 minutes of operation.

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48024AL54MX1*	Dimming HO	2 x 54W T5 HO	Electronic	120V
48024AL54MX2*	Dimming HO	2 x 54W T5 HO	Electronic	277V
48024ALUDA	DALI	2 x 28W T5	Electronic	120V-277V
48024AL54UDA	DALI HO	2 x 54W T5 HO	Electronic	120V-277V

* Advance Mark X

LF = Linear fluorescent.
HO = High output lamp.

Soli pendant

Zontio series

Energy efficient 2 x T5 linear fluorescent lamping provides significant ambient and reflected light. Three stem lengths are included with overall lengths of 21", 27", and 33" center mount. The finish is a powder coat paint. Clean lines, purity of light and an icy edge are all elements of the Soli Zontio that will accent contemporary spaces. The slim profile belies the stretch of illuminated glass suspended within a rectilinear form. The Zontio 2 lamp design provides enough ambient illumination for a typical small office.

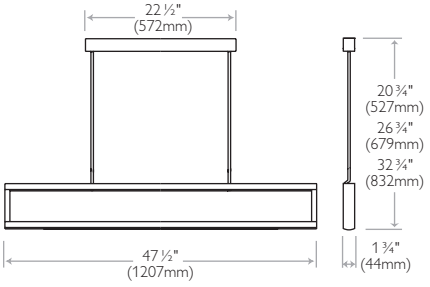
Zontio

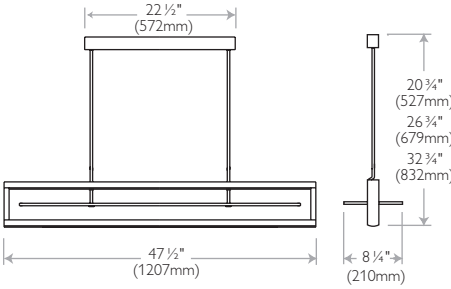
Pendant

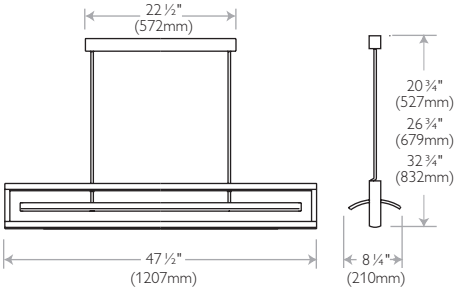
Zontio line

Zontio line
With flat glass diffuser

Zontio line
With curved glass diffuser







Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48228ALU	Zontio line	2 x 28W T5 LF	Electronic	120V-277V
48254ALU	Zontio line HO	2 x 54W T5 LF HO	Electronic	120V-277V
40800	Flat glass diffuser			
40810	Curved glass diffuser			

Note: Order glass/diffuser separately.

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48228ALUE	Emergency	2 x 28W T5	Electronic	120V-277V
48254ALUE	Emergency HO	2 x 54W T5 HO	Electronic	120V-277V

Note: Bodine® integral emergency pack rated for 90 minutes of operation.

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48254ALMX1*	Dimming HO	2 x 54W T5 HO	Electronic	120V
48254ALMX2*	Dimming HO	2 x 54W T5 HO	Electronic	277V
48254ALUDA	DALI∞	2 x 54W T5 HO	Electronic	120V-277V
48228ALUDA	DALI∞-HO*	2 x 28W T5 HO	Electronic	120V-277V

Note: Order glass/diffuser separately.
* Advance Mark X

LF = Linear fluorescent.
HO = High output lamp.

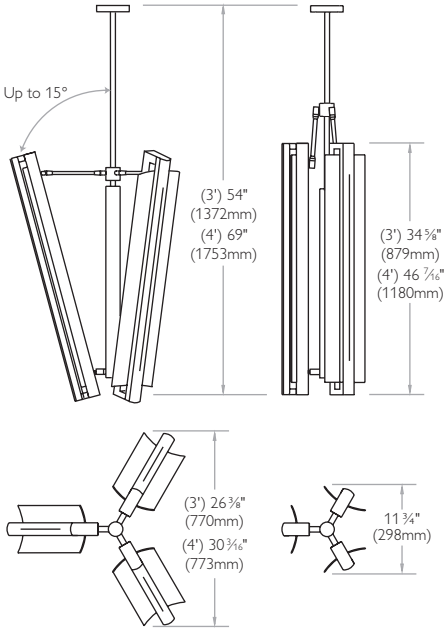
Soli pendant

Atria series

Energy efficient 3 x T5 linear fluorescent lamping provides ambient light, and intriguing visual sparkle. Three arms articulate between vertical and 15 degrees. E-Z Mount System, California approved swivel mount. The finish is a powder coat paint. A commanding visual statement in light and structure, Soli Atria underscores the geometric elements of architecture. Visual intrigue is created in a large space with a play of white light, negative space, and bold form.

Atria

Pendant



Atria 3

Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48339ALU	Atria 3-pendant	3 x 39W T5 HO LF	Electronic	120V-277V
40875	Atria 3-foot glass			
40915	Atria 3-foot acrylic			

Atria 4

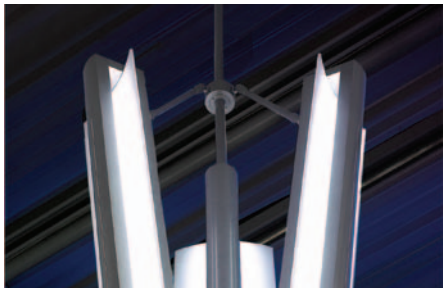
Catalog number	Description	Lamp (qty/type)	Ballast	Voltage
48354ALU	Atria 4-pendant	3 x 54W T5 HO LF	Electronic	120V-277V
40876	Atria 4-foot glass			
40916	Atria 4-foot acrylic			

Atria Stems

Catalog number	Description
4SXT48AL	48" Length stem
4SXT96AL	96" Length stem

Note: Soli Atria requires 3 diffusers to be ordered separately per luminaire. Stems are field cuttable.

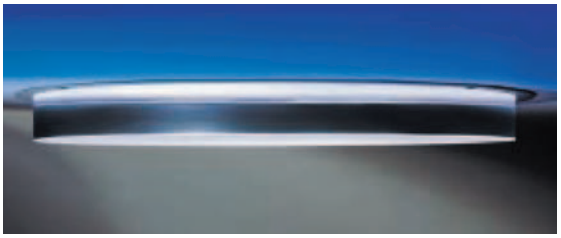
LF = Linear fluorescent.
HO = High output lamp.

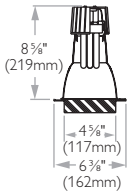


Spectral Floating Paper

Architectural luminaire

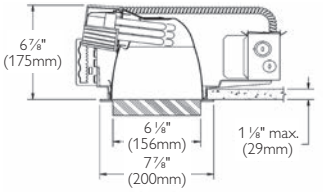
Subtle Downlighting Elegance: Floating Paper is the first full downlight in the Philips Lightolier Spectral collection. The slim, discreet presence is especially effective in corridors and public spaces, including lobbies and reception areas.

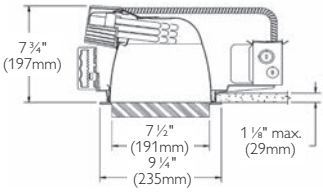




Design award
Industrie Forum
Design Hanover 1998

Round Floating Paper





Cat No. frame	Lamp qty/type	Wattage	Voltage	Ballast	Luminaire dimension	Cat no. trim	Flange finish
SL205AFTAU	1-TTT	18	120V-277V	Electronic	Round 4 ½"	**SL205AT SL205ATWH**	Brushed Stainless Steel Flange or White Flange
SL205BFTEU	1-TTT	26/32	120V-277V	Electronic	Round 6"	**SL205BT SL205BTWH**	
SL205BFPMU	1-TTT	26/32	120V-277V	Electronic Dimming PowerSpec			
SL205BFTQ1	1-TTT	26/32	120V	Electronic Dimming Mark 10			
SL205BFTQ2	1-TTT	26/32	277V	Electronic Dimming Mark 10			
SL205CFTEU	1-TTT	26/32/42	120V-277V	Electronic	Round 7 3/8"	**SL205CT SL205CTWH**	
SL205CFPKU	1-TTT	26/32/42	120V-277V	Electronic Dimming PowerSpec			
SL205CFTS1	1-TTT	26/32/42	120V	Electronic Dimming Mark 10			
SL205CFTS2	1-TTT	26/32/42	277V	Electronic Dimming Mark 10			

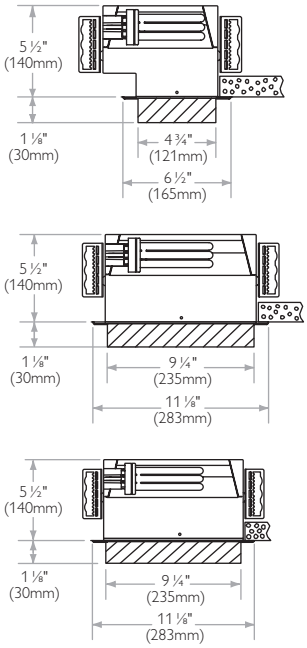
For technical details, mounting information and options, please consult Spec sheet No **SL205A**, **SL205B**, **SL205C**.

Spectral Floating Paper

Architectural luminaire

Subtle Downlighting Elegance: Floating Paper is the first full downlight in the Philips Lightolier Spectral collection. The slim, discreet presence is especially effective in corridors and public spaces, including lobbies and reception areas.

Square Floating Paper



Cat No. frame	Lamp qty/type	Wattage	Voltage	Ballast	Luminaire dimension	Cat no. trim	Flange finish
SL207AFTCU	1-TTT	26/32	120V-277V	Electronic	4" x 4" Square	**SL207AT** **SL207ATWH**	Brushed Stainless Steel Flange or White Flange
SL207AFPMU	1-TTT	26/32	120V-277V	Electronic Dimming PowerSpec			
SL207AFTQ1	1-TTT	26/32	120	Electronic Dimming Mark 10			
SL207AFTQ2	1-TTT	26/32	277	Electronic Dimming Mark 10			
SL207BFTEU	1-TTT	26/32/42	120V-277V	Electronic	4" x 9" Rectangular	**SL207BT** **SL207BTWH**	
SL207BFPKU	1-TTT	26/32/42	120V-277V	Electronic Dimming PowerSpec			
SL207BFTS1	1-TTT	26/32/42	120	Electronic Dimming Mark 10			
SL207BFTS2	1-TTT	26/32/42	277	Electronic Dimming Mark 10			
SL207CFTEU	2-TTT	26/32/42	120V-277V	Electronic	9" x 9" Square	**SL207CT** **SL207CTWH**	
SL207CFPPU	2-TTT	26	120V-277V	Electronic Dimming PowerSpec			
SL207CFPOU	2-TTT	32/42	120V-277V	Electronic Dimming PowerSpec			
SL207CFTZ1	2-TTT	26	120	Electronic Dimming Mark 10			
SL207CFTZ2	2-TTT	26	277	Electronic Dimming Mark 10			
SL207CFTR1	2-TTT	32/42	120	Electronic Dimming Mark 10			
SL207CFTR2	2-TTT	32/42	277	Electronic Dimming Mark 10			

For technical details, mounting information and options, please consult Spec sheet No **SL207A**, **SL207B**, **SL207C**.

Ultra Slimlite single sided sconce

Translite sconce

USC Remote and integral ballast single lamp sconce

Sample order code
USC-S-S-120-R-N-A

Ordering Code [ ] – **S** – [ ] – [ ] – [ ] – [ ] – [ ] – [ ]

Fixture

USC Ultra Slimlite Sconce	**USP** Ultra Slimlite Palomar

Style

S Single sided

Ballast

S Standard	**H** High output (no lens)

Voltage

1 120V	**2** 277V

Canopy

R Remote ballast	**B** Integral ballast

Lens (for use with USC) **Diffuser** (for use with USP)

Lenses *(for use with USC)*

N No lens	**C** Clear lens	**O** White opaque lens	**P** Prismatic acrylic

Diffusers *(for use with USP)*

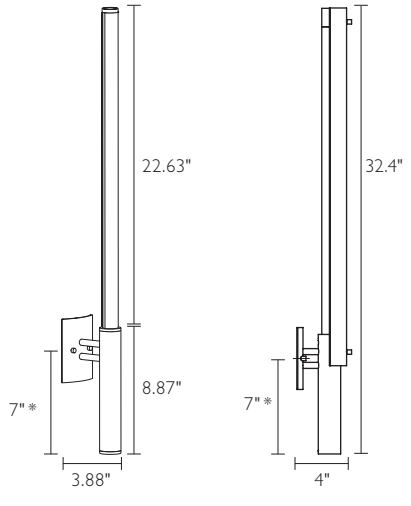
FT Flute	**LN** Linear	**RD** Reed	**PS** Prismatic	**SQ** Square	**RN** Rain	**OW** Opal acrylic	**SS** Sunset

Finish

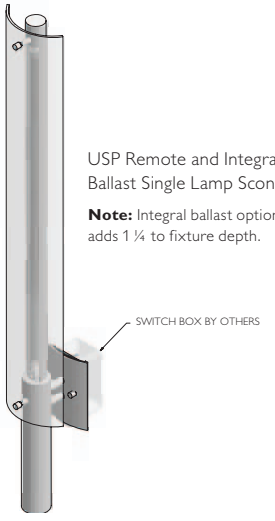
A Aluminum	**N** Satin nickel	**R** Bronze

- ADA compliant Ultra Slimlite Sconces are constructed of a 1.125" extruded aluminum tube
- Designed for a single 14 watt or 24 watt T5 lamp
- May be powered with an integral or remote ballast
- Each fixture requires a separate power feed and ballast
- May be mounted in any orientation
- Sconces mount easily to a 2" x 3" single-gang utility box

Refer to Ultra Slimlite in the Local Area Task and Display section for additional information, pages 7.10-7.15.



* Dimension depicts on-center measurements for mounting.



USP Remote and Integral Ballast Single Lamp Sconce

Note: Integral ballast option adds 1 ¼ to fixture depth.

Ultra Slimlite double sided sconce

Translite sconce

Sample order code
USC-D-S-120-R-N-A

Ordering Code [ ] – **D** – [ ] – [ ] – [ ] – [ ] – [ ] – [ ]

Fixture

USC Ultra slimlite sconce	**USP** Ultra slimlite Palomar

Style

D Double sided

Ballast

S Standard	**H** High output (no lens)

Voltage

1 120V	**2** 277V

Canopy

R Remote ballast	**B** Integral ballast

Lens (for use with USC) **Diffuser** (for use with USP)

Lenses *(for use with USC)*

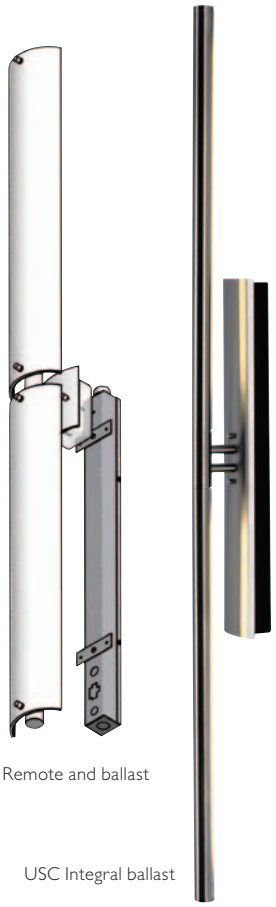
N No lens	**C** Clear lens	**O** White opaque lens	**P** Prismatic acrylic	**FT** Flute

Diffusers *(for use with USP)*

LN Linear	**RD** Reed	**PS** Prismatic	**SQ** Square	**RN** Rain	**OW** Opal acrylic	**SS** Sunset

Finish

A Aluminum	**N** Satin nickel	**R** Bronze



USP Remote and ballast

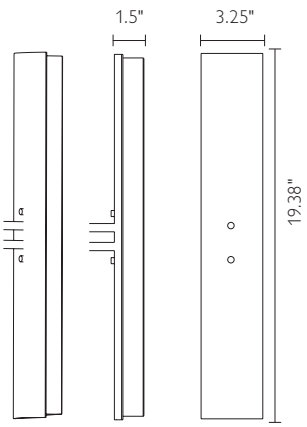
USC Integral ballast

- ADA compliant Ultra Slimlite Sconces are constructed of a 1.125" extruded aluminum tube
- Designed for dual 14 watt or 24 watt T5 lamps
- May be powered with an integral or remote ballast
- Each fixture requires a separate power feed and ballast
- May be mounted in any orientation
- Sconces mount easily to a 2" x 3" single-gang utility box

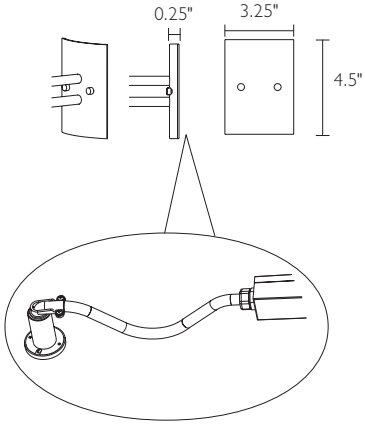
Refer to Ultra Slimlite in the Local Area Task and Display section for additional information, pages 7.10-7.15.

Canopy options

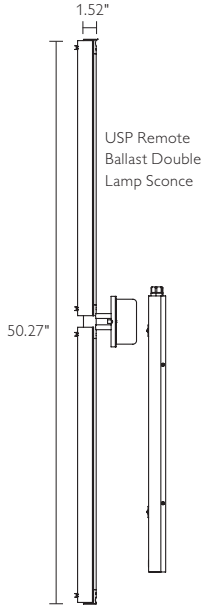
Integral ballast

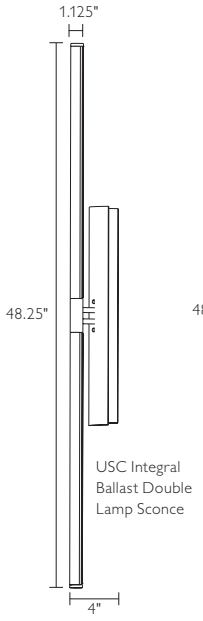


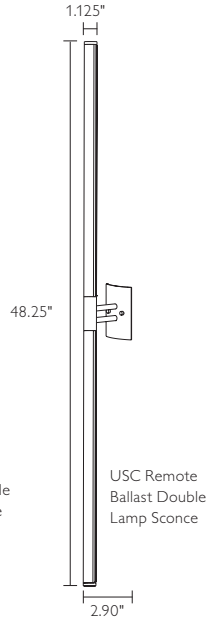
Remote ballast



Note: Remote ballast canopy is provided with a ballast box (conduit by others).







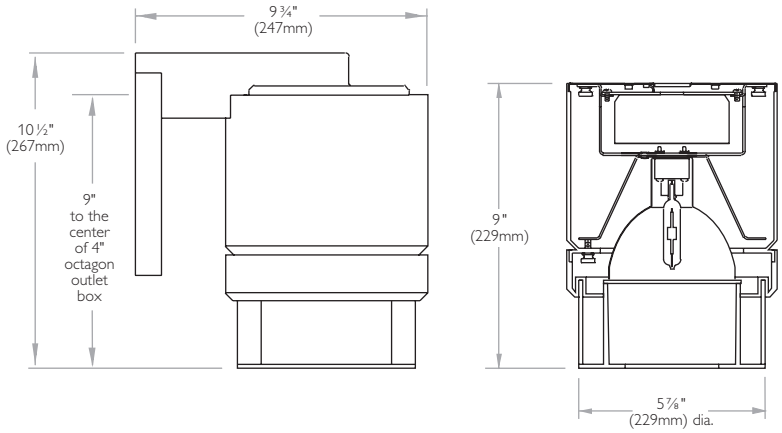
Inno

T4.5 metal halide surface cylinders

Features

- Die-cast aluminum
- Silver powder coated or satin aluminum finish
- Etched glass diffuser
- Uncompromising high-performance optics
- Versatile mounting options
- Energy efficient

Wall mount kit



How to specify

Cylinder (complete unit)

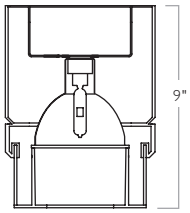
C4CIN20T4EUA

Inno decorative cylinder

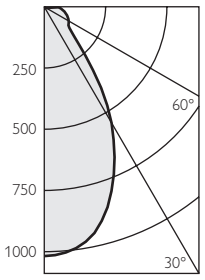
Cat. no.	Finish	Ballast	Lamp	Voltage	Luminaire Input Watts
C4CIN20T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	20W (23W)
C4CIN20BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	20W (23W)
C4CIN20T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	20W (23W)
C4CIN39T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	39W (44W)
C4CIN39BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	39W (44W)
C4CIN39T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	39W (44W)

4½" T4.5 Inno cylinder 39W

Complete unit: C4CIN39T4EU CLW



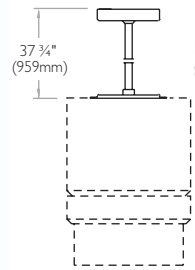
Report: 2614FR
Lamp: 39W T4-G8.5 Ceramic MH
Efficiency: 43.6%
Spacing: 0.9



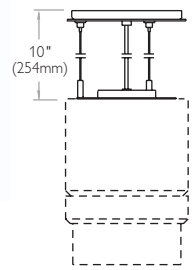
Multiple Unit Data (RCR 2)

Spacing on center	Initial footcandles	Watts per sq ft
6'	39	1.22
8'	22	0.69
9'	17	0.54

38' x 38' x 10' Room, workplane 2½' above floor, 80/50/20% reflectances



INNO
Stem kit



INNO
Cable pendant kit

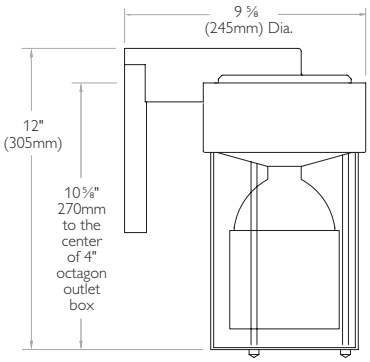
Mounting kits

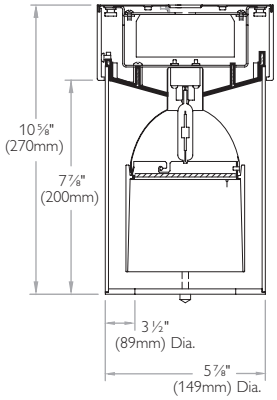
Cat. no.	Finish	Description
CA4CWBSA	Brushed aluminum	Wall-mount kit
CACPSA	Brushed aluminum	10' Cable pendant kit
CACSSA	Brushed aluminum	Stem kit

(45° Swivel, 37" long)

Expo

T4.5 metal halide surface cylinders





Features

- Die-cast aluminum
- Silver powder coated or satin aluminum finish
- Etched glass diffuser
- Uncompromising high-performance optics
- Versatile mounting options
- Energy efficient

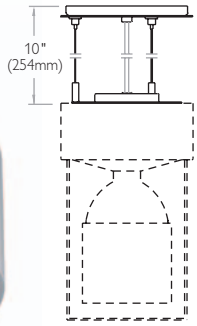
Inno decorative cylinder

Cat. no.	Finish	Ballast	Lamp	Voltage	Luminaire Input Watts
C4CEX20T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	20W (23W)
C4CEX20BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	20W (23W)
C4CEX20T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	20W (23W)
C4CEX39T4EUA	Brushed aluminum	Electronic	T4-G8.5	120V-277V	39W (44W)
C4CEX39BT5PGJ5E1A	Brushed aluminum	Electronic	T4-PGJ5	120V	39W (44W)
C4CEX39T4GU65EUA	Brushed aluminum	Electronic	T4-GU6.5	120V-277V	39W (44W)

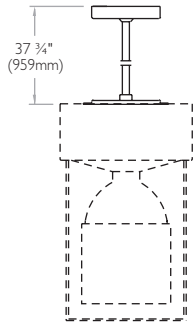
How to specify

Cylinder (complete unit)

C4CEX20T4EUA



EXPO
Stem kit



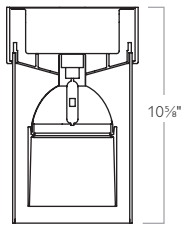
EXPO
Cable pendant kit

Mounting kits

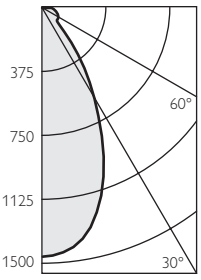
Cat. no.	Finish	Description
CA4CWBSA	Brushed aluminum	Wall-mount kit
CACPSA	Brushed aluminum	10' Cable pendant kit
CACSSA	Brushed aluminum	Stem kit
CAEXPTSA	Brushed aluminum	Expo³ rod & trim kit

4½" T4.5 Expo cylinder 39W

Complete unit: C4CEX39T4EU CLW



Report: 2605FR
Lamp: 39W T4-G8.5 Ceramic MH
Efficiency: 49.7%
Spacing: 0.8



Multiple Unit Data (RCR 2)

Spacing on center	Initial Footcandles	Watts Per Sq Ft
6'	42	1.22
8'	24	0.69
9'	19	0.54

38' x 38' x 10' Room, workplane 2½' above floor, 80/50/20% reflectances

Transitional

Pendalyte

6 ½" performance

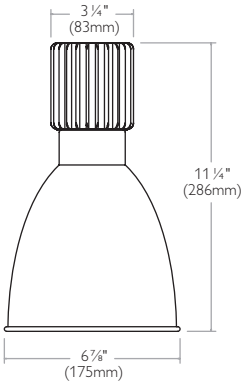
Power heads

6 ½" Pendalyte

Power head & suspension (single lamp)

Cat. no.	Finish	Lamp	Wattage	Voltage	Suspension	Options
406151	Titanium	Incandescent A21	150W	120V	Straight cord (96" max)	Not app.
406U2	Titanium	CFL Triple tube	26/32W	120V-277V	Straight cord (96" max)	Not app.

Suspension kits are field cuttable.



Reflectors / glass diffusers

Cat. no.	Finish
416SR	Satin aluminum reflector
416WH	White glass diffuser
416BL	Cobalt blue glass diffuser
416AB	Amber glass diffuser

Pendalyte track mounting kits

Cat. no.	Finish	Description
406BLS	Black	6½" Track mounting kit, Deco, 1 adapter system

Consult factory for mounting options with Lytespan Track. Incandescent only.

Features

Power head housing: One-piece extruded aluminum. Textured Titanium powder coat.

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent comfort clear anodized.

Glass diffusers: Pressed glass with soft etched exterior and matte white interior frit.

Suspension: Cord SJT18-3, Black. Titanium finished canopy.

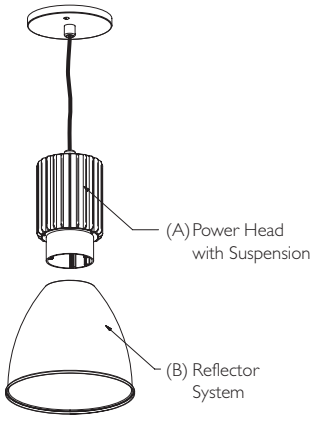
Lamp holders

Incandescent: Medium Base, Porcelain, Nickel Plated Screw Shell.

Compact fluorescent: Universal for 4-Pin, 26/32 watt base: GX24q-3.

Track mount: 6.5" Pendalytes can be adapted for mounting to, or suspension from, Lytespan track. Please consult Philips Lightolier for price and availability.

All units are cULus listed, suitable for damp locations.



Complete fixture consists of
Power head/suspension + Reflector/diffuser
(Example) Order each separately

406U2	+	**416SR**

Pendalyte

9" performance

Features

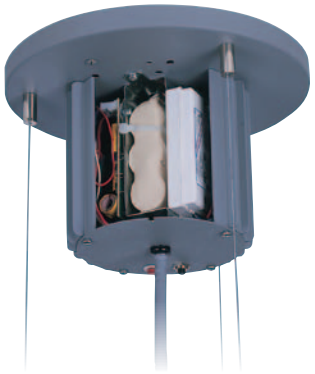
Power head housing: Two-piece extruded aluminum. Removable door for ease of installation and servicing. Textured Titanium powder coat finish.

Lamp holders

Incandescent: Medium Base, Porcelain, Nickel Plated Screw Shell.

Compact fluorescent: Universal voltage for 4-Pin, 26/32/42 watt base: GX24q-3; 42 watt base: GX24q-4.

Metal halide: Medium base, porcelain, 4KV pulse rated. Open rated lamp.



EM Emergency pack

An integrated emergency battery pack option is available in most Pendalyte CFL luminaires. The EM Pack is located in a self contained 5 1/2" Diameter Power Head style extrusion pre-mounted directly to the luminaire canopy. Test Switch and Indicator LED lamp are located on bottom cover of EM Pack housing. Pre-wired for contractor-friendly installation.

Not available with Coil Cord Suspension or with multiple lamps.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed, dry locations.

Complete fixture consists of
Power head/suspension + Reflector
(Example) Order each separately

40471U3EMCC	+	**40411**

Power heads

9" Pendalyte

LED

Cat. no.	Finish	Lamp	Wattage	CCT	Voltage
40471L27U	Gray	LED	20W	27K	120V-277V
40471L35U	Gray	LED	20W	35K	120V-277V
40471L27UTM	Titanium	LED	20W	27K	120V-277V
40471L35UTM	Titanium	LED	20W	35K	120V-277V

Power head (single lamp)

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
4046151	Gray	Incandescent A21	150W	120V	Not applicable
4046151TM	Titanium	Incandescent A21	150W	120V	Not applicable
40471U3	Gray	CFL Triple tube	26/32/42W	120V-277V	MX1, MX2, DA, E3
40471U3TM	Titanium	CFL Triple tube	26/32/42W	120V-277V	MX1, MX2, DA, E3

Metal halide

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
40471T39EU	Gray	1	39W	120V-277V	Not applicable
40471T39EUTM	Titanium	1	39W	120V-277V	Not applicable

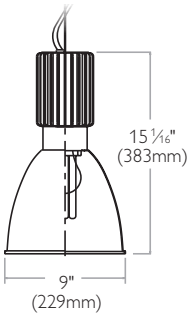
Lamp cover is provided, no lens on Reflector or Glass is required.

Emergency units (power head & suspension)

Cat. no.	Finish	Lamp	Wattage	Suspension
40471U3EMCC*	Gray	1	26/32/42W	120" Length, cable/ cord
40471U3EMS36	Gray	1	26/32/42W	36" Length, 5/8" stem
40471U3EMS60	Gray	1	26/32/42W	60" Length, 5/8" stem
40471U3TMEMCC**	Titanium	1	26/32/42W	120" Length, cable/cord
40471U3EMTMS36	Titanium	1	26/32/42W	36" Length, 5/8" stem
40471U3EMTMS60	Titanium	1	26/32/42W	60" Length, 5/8" stem

Order reflector or glass separately.

Power head options



9" Power head options

(Add suffix to cat. no.)

MX1 = Mark X Dimming 26/32/42W, 120V only*
MX2 = Mark X Dimming 26/32/42W, 277V only*
E3 = 347V (Canada)
EM = Emergency Battery Pack (See page 6.42)
DA = DALI (Digital Addressable Lighting Interface)**

*2-wire, neutral connection required at dimming control.
**5-wire Suspension Kit required. Dali is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Philips Lightolier IGEN Product Series.

Pendalyte

9" performance

Specifications

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent comfort clear anodized.

Adjustment: GripLock fittings allows for height and leveling adjustment after installation.

Glass diffusers: Pressed glass with soft etched exterior and matte white interior frit.

Suspension: Cord and Cable Mounting Kits are supplied with both 18-3 SJT straight and coiled power cords, 1/16" stainless steel support cable, steel canopy.

Glass disk: Soda Lime Glass, having a 9 1/2" diameter etched area around a 5" diameter center opening.

Acrylic disk: 11 1/2" diameter clear center acrylic having a 9 1/2" diameter etched area around a 4" diameter center opening.

Perforated metal disk: Features a square edged inner and outer rubber edging. It is available in satin aluminum with black rubber edging with a 11 1/2" diameter.

Track mount: 9" Pendalytes can be adapted for mounting to, or suspension from, Lytespan track. Please consult Philips Lightolier for price and availability.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed, dry locations.

Ordering options

9" Pendalyte

Reflectors / glass diffusers

Cat. no.	Finish
40411	Semi specular anodized reflector
40413	Satin & anodized reflector
409WH	White glass diffuser
409BL	Cobalt blue glass diffuser
409AB	Amber glass diffuser

Suspension kits (not required if ordering Deco Kits)

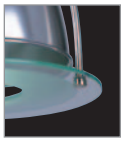
Cat. no.	Finish	Description
404SKG	Gray	120" Length cable/cord + coil cord
404SKB	Black	120" Length cable/cord + coil cord
404S36	Gray	36" Length 5/8" stem
404S36B	Black	36" Length 5/8" stem
404S60	Gray	60" Length 5/8" stem
404S60B	Black	60" Length 5/8" stem
404S120	Gray	120" Length 5/8" stem
404SB5*	Black	120" 5-Wire straight cord only
404SG5*	Gray	120" 5-Wire straight cord only

Suspension Kits are field cuttable.

Deco Kits (Includes 120" length suspension of both cable/cord and cable/coil cord)

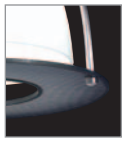
Cat. no.	Finish	Description
409DK	Gray	Deco assembly and mounting kit
409DK5*	Gray	Deco assembly and mounting kit, 5-wire straight cord only
409DKTM	Titanium	Deco assembly and mounting kit
409DKTM5*	Titanium	Deco assembly and mounting kit, 5-wire straight cord only
409DBLS	Black	Track mounting kit, deco, 2 adapter system
409DGLS	Gray	Track mounting kit, deco, 2 adapter system

Deco kits include arm and suspension systems, and must be ordered with disk.



Glass Disc

Acrylic Disc



Perforated Disc

Disks

Cat. no.	Description
409DG	Glass Deco Disk
409DA	Acrylic Deco Disk
409PM	Perforated Metal Deco Disk

Direct to Ceiling

Direct to ceiling kits

Cat. no.	Finish	Used with
4912CTCGR	Gray	All 9", 12", and 16" Pendalytes
4912CTCTM	Titanium	9" Pendalyte and 12" Performance

*Not compatible with Deco Kit.

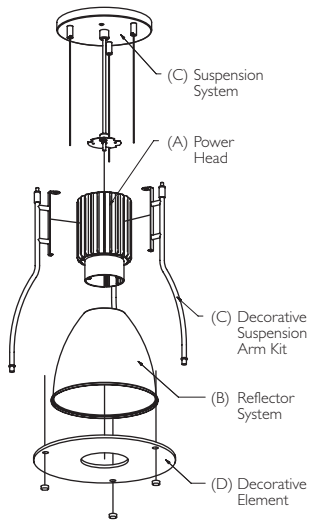
Track mounting kits

Cat. no.	Finish	Description
404BLS	Black	Track Mounting Kit, Standard 2-Adapter System
404GLS	Gray	Track Mounting Kit, Standard 2-Adapter System

Optional extension kits

Cat. no.	Finish	Suspension
404EXT300	Gray	25' Extension Cable/Cord Kit
404EXTB	Black	25' Straight Cable/Cord Extension Kit
404EXT300G5*	Gray	25' Cord/Cable, 5-wire
404EXT300B5*	Black	25' Cord/Cable, 5-wire

Use with Standard Cord or Deco Suspension Kits. Suspension Kits are field cuttable.
*DALI requires a 5-wire Suspension.



Complete fixture consists of
Power head + Reflector/diffuser + Suspension
(Example) Order each separately

40471U3TM + **409BL** + **409DKTM** + **409DG**

Pendalyte

12" performance

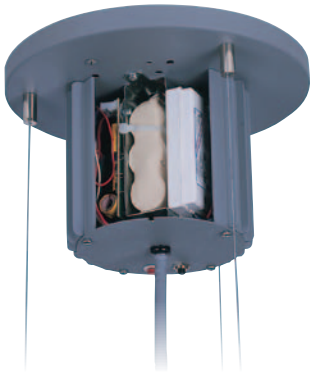
Features

Power head housing: Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Textured Titanium powder coat finish.

Lamp holders

Compact fluorescent: Universal voltage for 4-pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-5; 70 watt base: GX24q-6; 85 watt base: 2G8.

Metal halide: Medium base, porcelain, 4KV pulse rated. Extended neck. Open lamp only. Electronic Ballast.



EM Emergency pack

An Integrated Emergency Battery Pack option is available in most Pendalyte CFL luminaires. The EM Pack is located in a self contained 5 1/2" Diameter Power Head style extrusion pre-mounted directly to the luminaire canopy. Test Switch and Indicator LED lamp are located on bottom cover of EM Pack housing. Pre-wired for contractor-friendly installation.

Not available with coil cord suspension or with multiple lamps.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed, dry locations.

Power heads

12" Pendalyte

Power Head (Single Lamp)

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
412U3	Titanium	CFL Triple tube	26/32/42W	120V-277V	MX1, MX2, DA, E3
41270U	Titanium	CFL Triple tube	70W	120V-277V	MX1, MX2, E3
41285U*	Titanium	CFL Triple tube	85W	120V-277V	Not Applicable
412H70	Titanium	Metal halide ED17	70W	120V	F1

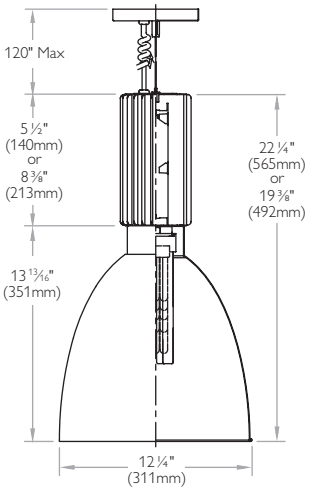
*The Powerhead is larger for the 85W.

Emergency units (power head & suspension)

Cat. no.	Finish	Lamp	Wattage	Suspension
412U3EMCC	Titanium	1	26/32/42W	120" Length, cable/cord
412U3EMS36	Titanium	1	26/32/42W	36" Length, 5/8" stem
412U3EMS60	Titanium	1	26/32/42W	60" Length, 5/8" stem

Order reflector or glass separately.

Power head options



12" Power head options

(Add suffix to cat. no.)

MX1 = Mark X Dimming 26/32/42W, 120V only*
MX2 = Mark X Dimming 26/32/42W, 277V only*
E3 = 347V (Canada)
F1 = Fuse 120V
EM = Emergency Battery Pack (See below)
DA = DALI (Digital Addressable Lighting Interface)**

* 2-wire, neutral connection required at dimming control.
** 5-wire Suspension Kit required. Dali is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Philips Lightolier IGEN Product Series.

Complete fixture consists of
Power head/suspension + Reflector
(Example) Order each separately

412U3EMCC + **42AB**

Pendalyte

12" performance

Specifications

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent comfort clear anodized.

Adjustment: GripLock fittings allows for height and leveling adjustment after installation.

Glass Diffuser: Pressed glass with soft etched exterior and matte white interior frit.

Suspension: Cable and Cord Mounting Kits are supplied with both 18-3 SJT straight and coiled power cords, 1/16" stainless steel support cable, steel canopy.

Track mount: 12" Performance Pendalytes can be adapted for mounting to, or suspension from, Lytespan track. Please consult Philips Lightolier for price and availability.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed, dry locations.

Ordering options

12" Pendalyte

Reflectors / glass diffusers

Cat. no.	Finish
42SR	Satin aluminum reflector
42WH	White glass diffuser
42BL	Cobalt blue glass diffuser
42AB	Amber glass diffuser

Suspension kits

Cat. no.	Finish	Description
404SKB	Black	120" Length cable/cord + coiled cord
404SB5*	Black	120" Length 5-wire straight cable/cord only
404S36B	Black	36" Length 5/8" stem
404S60B	Black	60" Length 5/8" stem

Suspension kits are field cuttable.

Direct to ceiling kits

Cat. no.	Finish	Used With
4912CTCTM	Titanium	All 9", 12", and 16" Pendalytes.

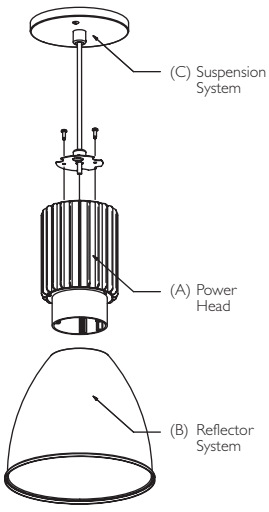
Pendalyte track mounting kits

Cat. no.	Finish	Used With
404BLS	Black	Track mounting kits, standard 2-adapter system

Pendalyte track cable/cord kits

Cat. no.	Finish	Used With
404EXTB	Black	25' Extension cable/cord kit
404EXT300B5*	Black	25' Cord/cable, 5-wire

Use with Standard Cord or Deco Suspension Kits. Suspension Kits are field cuttable.
*DALI requires a 5-wire Suspension.



Complete fixture consists of
Power head + Reflector/diffuser + Suspension
(Example) Order each separately

412H70 + **42SR** + **404SKB**

Pendalyte

12"

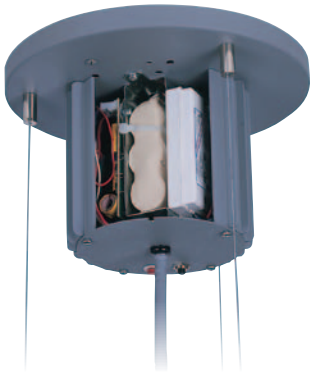
Features

Power head housing: Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Textured Gray powder coat finish.

Lamp holders

Compact fluorescent: Universal voltage for 4-pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-4.

Metal halide: Medium base, porcelain, 4KV pulse rated. Open rated lamp.



EM Emergency pack

An Integrated Emergency Battery Pack option is available in most Pendalyte CFL luminaires. The EM Pack is located in a self contained 5 1/2" Diameter Power Head style extrusion pre-mounted directly to the luminaire canopy. Test Switch and Indicator LED lamp are located on bottom cover of EM Pack housing. Pre-wired for contractor-friendly installation.

Not available with Coil Cord Suspension or with multiple lamps.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed, dry locations.

Complete fixture consists of
Power head/suspension + Reflector + Louver
(Example) Order each separately

40472U3EMCC + **40421** + **412GRL**

Power heads

12" Pendalyte

Power head (single lamp) powder coated textured dark gray

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
4046261	Gray	Incandescent A21	150W	120V	Not applicable
40472U3	Gray	CFL Triple tube	26/32/42W	120V-277V	MX1, MX2, DA, E3

Power head (multi lamp)

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
404722XU3*	Gray	CFL Triple tube	2x26/32/42W	120V-277V	MX1, MX2, E3

General Electric 42W (F42QBX) lamp base will not fit into this luminaire.
*For Deco Kit order 412LDK on Dimming units only.

Metal halide

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
4047270EU	Gray	Metal halide ED17	70W	120V-277V	Not applicable
40472100EU	Gray	Metal halide ED17	100W	120V-277V	Not applicable

Electronic ballasted Metal Halide units are open rated and do not require a lens.

Emergency units (power head & suspension)

Power head (single lamp)

Cat. no.	Finish	Lamp	Wattage	Suspension
40472U3EMCC*	Gray	1	26/32/42W	120" Length, cable/cord
40472U3EMS36	Gray	1	26/32/42W	36" Length, 5/8" stem
40472U3EMS60	Gray	1	26/32/42W	60" Length, 5/8" stem

Order reflector or glass separately. Pre-wired for dual switching.
*For Deco Kit order 412DK5.

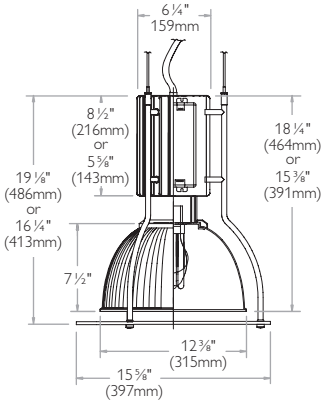
Emergency units (power head & suspension)

Power head (multi lamp)

Cat. no.	Finish	Lamp	Wattage
404722XU1EM*	Gray	2-1 Lamp emergency	26/32/42W

Must order Reflector or Refractor separately.
*For Deco Kit order 412LDK5.

Power head options



12" Power head options

(Add suffix to cat. no.)

MX1 = Mark X Dimming 26/32/42W, 120V only*
MX2 = Mark X Dimming 26/32/42W, 277V only*
E3 = 347V (Canada)
F1 = Fuse 120V
F2 = Fuse 277V
EM = Emergency Battery Pack (See below)
DA = DALI (Digital Addressable Lighting Interface)**

* 2-wire, neutral connection required at dimming control.
** 5-wire Suspension Kit required. Dali is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Philips Lightolier IGEN Product Series.

Pendalyte

12"

Ordering options

12" Pendalyte

Reflectors / refractors

Cat. no.	Finish
40421	Semi specular anodized reflector
40422	Acrylic refractor

Suspension kits (not required if ordering deco kits)

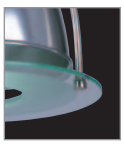
Cat. no.	Finish	Description
404SKG	Gray	120" Length cable/cord + coil cord
404SG5*	Gray	120" Length 5-wire straight cable/cord only
404S36	Gray	36" Length 5/8" stem
404S60	Gray	60" Length 5/8" stem
404S120	Gray	120" Length 5/8" stem

Suspension kits are field cuttable.

Deco Kits (includes 120" length suspension of both cable/cord and cable/coil cord)

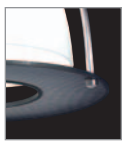
Cat. no.	Finish	Description
412DK	Gray	Deco assembly and mounting kit
412LDK	Gray	Deco assembly and mounting kit, for 8 1/2" l power head (2 lamp dimming)
412LDK5*	Gray	Deco assembly and mounting kit, 5-wire straight cord only (DALI 2 lamp only)
412DLS	Gray	Track mounting kits, Deco 2-adapter system

Deco kit includes Arms & Suspension System, and must be ordered with disk. DALI requires a 5-wire suspension.
*For Deco Kit order 412LDK on Dimming Units only.



Glass Disc

Acrylic Disc



Perforated Disc

Disks

Cat. no.	Description
412DG	Glass Deco Disk
412DA	Acrylic Deco Disk
412PM	Perforated Metal Deco Disk

Direct to Ceiling

Direct to ceiling kits

Cat. no.	Finish	Used with
4912CTCGR	Gray	All 9", 12", and 16" Pendalytes

Not compatible with Deco Kit.

Track mounting kits

Cat. no.	Finish	Description
404GLS	Gray	Track Mounting Kits, Standard 2-Adapter System

Optional extension kits

Cat. no.	Finish	Suspension
404EXT300	Gray	25' Extension Cable/Cord Kit
404EXT300G5*	Gray	25' Cord/Cable, 5-wire

Use with Standard Cord or Deco Suspension Kits.
Suspension kits are field cuttable.
*DALI requires a 5-wire suspension.

Reflector / refractor options

Cat. no.	Used With	Description
421G	40421	Industrux Glass Lens
412WHL**	40421	Cross Blade Louver, White
412GRL**	40421	Cross Blade Louver, Gray
422A	40422	Flat Acrylic Lens
422G	40422	Industrex® Glass Lens
404TRM12	40422/40421	12" Trim Ring

*DALI requires a 5-wire suspension.
**For use with 2-Lamp Power Heads only.

Specifications

Reflector: High purity, 16 gauge aluminum. Exterior satined. Interior low iridescent comfort clear anodized.

Refractor: Injection molded acrylic, UV stabilized.

Adjustment: Griplock fittings allows for height and leveling adjustment after installation.

Suspension: Cord and Cable Mounting Kits are supplied with both 18-3 SJT straight and coiled power cords, 1/16" stainless steel support cable, steel canopy.

Glass disk: 15 1/2" diameter, Soda Lime Glass, having a 12 1/2" diameter etched area around a 6" diameter center opening.

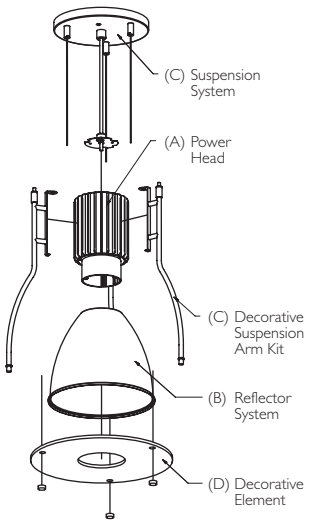
Acrylic disk: 17 1/2" diameter clear center acrylic having a 11 1/2" diameter etched area around a 4" diameter center opening.

Perforated metal disk: Features a square edged inner and outer rubber band. It is available in satin aluminum with black rubber edging with a 17 1/2" diameter.

Bottom lens and cross blade: For bottom lens and cross blade louver information see bottom left.

Track mount: 12" Pendalytes can be adapted for mounting to, or suspension from, Lytespan track. Please consult Philips Lightolier for price and availability.

All units are cULus listed, suitable for damp locations.
Emergency units are UL listed, dry locations.



Complete fixture consists of
Power head + Reflector/diffuser + Suspension
(Example) Order each separately

40472U3	+	**40421**	+	**412DK**	+	**412DA**

Pendalyte

16"

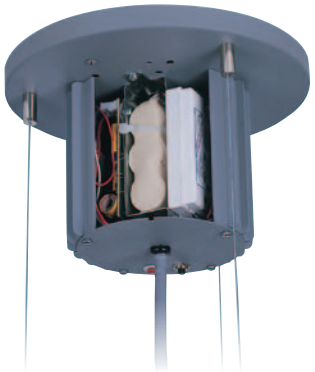
Features

Power head housing: Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Textured titanium powder coat finish.

Lamp holders

Compact fluorescent: Universal voltage for 4-pin 26/32 watt base: GX24q-3; 42 watt base: GX24q-5; 70 watt base: GX24q-6; 85 watt base: 2G8.

Metal halide: Medium base, porcelain, 4KV pulse rated. Open rated lamp.



EM Emergency pack

An Integrated Emergency Battery Pack option is available in most Pendalyte CFL luminaires. The EM Pack is located in a self contained 5 1/2" Diameter Power Head style extrusion pre-mounted directly to the luminaire canopy. Test Switch and Indicator LED lamp are located on bottom cover of EM Pack housing. Pre-wired for contractor-friendly installation.

Not available with Coil Cord Suspension or with multiple lamps.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed, dry locations.

Complete fixture consists of
Power head/suspension + Reflector + Louver
(Example) Order each separately

40734XUIEM	+	**40432**	+	**432A**

Power heads

16" Pendalyte

Power head (single lamp) powder coated textured dark gray

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
406371	Gray	Incandescent A21	150W	120V	Not applicable
4073U3	Gray	CFL Triple tube	26/32/42W	120V-277V	MX1, MX2, DA, E3
407370U	Gray	CFL Triple tube	70W	120V-277V	MX1, MX2, E3

Power head (multi lamp)

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
40724XU3	Gray	CFL Triple tube	2x26/32/42W	120V-277V	MX1, MX2, E3
40734XU3	Gray	CFL Triple tube	4x26/32/42W	120V-277V	MX1, MX2, E3
4073270U	Gray	CFL Triple tube	2x70W	120V-277V	MX1, MX2, E3

Metal halide

Cat. no.	Finish	Lamp	Wattage	Voltage	Options
4083100EU	Gray	Metal halide ED17	100W	120V-277V	Not applicable
4083150EU	Gray	Metal halide ED17	150W	120V-277V	Not applicable

Electronic ballasted Metal Halide units are open rated and do no require lens.
Emergency Units - Power Head & Suspension.

Emergency units (power head & suspension)

Power head (single lamp)

Cat. no.	Finish	Lamp	Wattage	Suspension
4073U3EMCC*	Gray	1	26/32/42W	120" Length, cable/cord
4073U3EMS36	Gray	1	26/32/42W	36" Length, 5/8" stem
4073U3EMS60	Gray	1	26/32/42W	60" Length, 5/8" stem

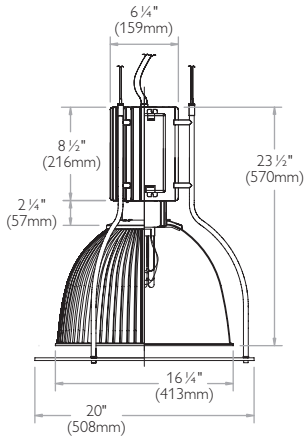
Order reflector or refractor separately.
*For Deco unit order standard 416DK5.

Emergency units (power head & suspension)

Power head (multi lamp)

Cat. no.	Finish	Lamp	Wattage	Suspension
40734XU1EM	Gray	4 - 1 Lamp emergency	26/32/42W	120" Cable/cord

Power head options



16" Power head options

(Add suffix to cat. no.)

MX1 = Mark X Dimming 26/32/42W, 120V only*
MX2 = Mark X Dimming 26/32/42W, 277V only*
E3 = 347V (Canada)
F1 = Fuse 120V
F2 = Fuse 277V
EM = Emergency Battery Pack (See below)
DA = DALI (Digital Addressable Lighting Interface)**

*2-wire, neutral connection required at dimming control. Multi Lamp power heads consult factory.
**5-wire Suspension Kit required.

Pendalyte

16"

Ordering options

16" Pendalyte

Reflectors / refractors

Cat. no.	Finish
40431	Semi specular anodized reflector
40432	Acrylic refractor

Suspension kits (not required if ordering Deco Kits)

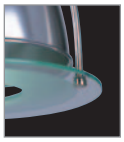
Cat. no.	Finish	Description
404SKG	Gray	120" Length cable/cord + coiled cord
404SG5*	Gray	120" Length 5-wire straight cord/cable only
404S36	Gray	36" Length 5/8" stem
404S60	Gray	60" Length 5/8" stem
404S120	Gray	120" Length 5/8" stem

*Suspension Kits are field cuttable.

Deco Kits (Includes 120" length suspension of both cable/cord and cable/coil cord)

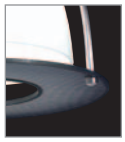
Cat. no.	Finish	Description
416DK	Gray	Deco assembly and mounting kit
416DK5*	Gray	Deco assembly and mounting kit, 5-wire straight cord only
416DLS	Gray	Track mounting kit, Deco, 2 adapter system

Deco kit includes Arms & Suspension System and must be ordered with disk.
*DALI requires a 5-wire Suspension.



Glass Disc

Acrylic Disc



Perforated Disc

Disks

Cat. no.	Description
416DG	Glass Deco Disk
416DA	Acrylic Deco Disk
416PM	Perforated Metal Deco Disk

Direct to Ceiling

Direct to ceiling kits

Cat. no.	Finish	Used with
4912CTCGR	Gray	All 9", 12", and 16" Pendalytes

Not compatible with Deco Kit.

Track mounting kits

Cat. no.	Finish	Description
404GLS	Gray	Track Mounting Kits, Standard 2-Adapter System

Optional extension kits

Cat. no.	Finish	Suspension
404EXT300	Gray	25' Extension cable/cord kit
404EXT300G5*	Gray	25' Cord/cable, 5-wire

Use with Standard Cord or Deco Suspension Kits.
Suspension kits are field cuttable.
*DALI requires a 5-wire Suspension.

Reflector / refractor options

Cat. no.	Used with	Description
431G	40431	Industrux glass lens
416WHL**	40431	Cross blade louver, white
416GRL**	40431	Cross blade louver, gray
432A	40431	Flat acrylic lens
432G	40431	Industrex® glass lens
404TRM16	40431/40432	16" Trim Ring

*DALI requires a 5-wire Suspension.
**For use with 2-Lamp and 4-Lamp Power Heads only.

Specifications

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent comfort clear anodized.

Refractor: Injection molded acrylic, UV stabilized.

Adjustment: Griplock fittings allows for height and leveling adjustment after installation.

Suspension: Cord and Cable Mounting Kits are supplied with both 18-3 SJT straight and coiled cord power cords, 1/16" stainless steel support cable, steel canopy.

Glass disk: 20" diameter, Soda Lime Glass, having a 17" Diameter etched area around a 8" diameter center opening.

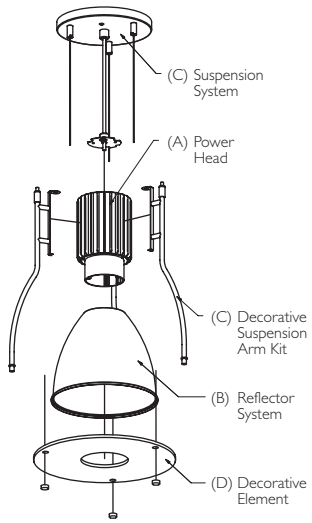
Acrylic disk: 22 1/2" diameter clear center acrylic having a 11 1/2" diameter etched area around a 4" diameter center opening.

Perforated metal disk: Features a square edged inner and outer rubber band. It is available in satin aluminum with black rubber edging with an 22 1/2" diameter.

Bottom lens and cross blade: For Bottom Lens and Cross Blade Louver see bottom left.

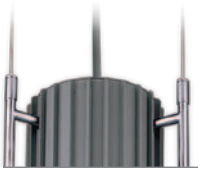
Track mount: 16" Pendalytes can be adapted for mounting to, or suspension from, Lytespan track. Please consult Philips Lightolier for price and availability.

All units are cULus listed, suitable for damp locations.
Emergency units are UL listed, dry locations.



Complete fixture consists of
Power head + Reflector/diffuser + Suspension
(Example) Order each separately

40734XU3	+	**40431**	+	**416DK**	+	**416DG**



Pendalytes users guide

To specify use both a reflector and compatible power husk/suspension

6" Performance Pendalytes

6" Power husk & cable suspension	Lamping
406151	150W A21
406U2	26/32W TTT

416SR
Depth 6⅞" - Height 11¼"

416AB
Depth 7⅛" - Height 11¼"

416WH
Depth 7⅛" - Height 11¼"

416BL
Depth 7⅛" - Height 11¼"

9" Pendalytes

9" Power husk & cable suspension	Lamping
4046151TM/404SKB	150W A21
40471U3TM/404SKB	26/32/42W TTT

40413
Depth 9" - Height 15 1⁄16"

409AB
Depth 9" - Height 15 1⁄16"

409WH
Depth 9" - Height 15 1⁄16"

409BL
Depth 9" - Height 15 1⁄16"

40411
Depth 9" - Height 15 1⁄16"

9" Deco Pendalytes

9" Power husk & cable suspension	Lamping
4046151TM/409DKTM	150W A21
40471U3TM/409DKTM	26/32/42W TTT

40413/409DG
Depth 12" - Height 16¾"

409AB/409DG
Depth 12" - Height 16¾"

409WH/409DG
Depth 12" - Height 16¾"

409BL/409DG
Depth 12" - Height 16¾"

40411/409DG
Depth 12" - Height 16¾"

12" Performance Pendalytes

12" Power husk & cable suspension	Lamping
412U3/404SKB	26/32/42W TTT
412H70/404SKB	70W ED17 MH

42SR
Depth 12⅜" - Height 19"

42AB
Depth 12¼" - Height 19"

42WH
Depth 12¼" - Height 19"

42BL
Depth 12¼" - Height 19"

For decorative disks in acrylic or perforated metal, replace DG with DA for acrylic or PM for perforated metal. For 9" Pendalytes in Gray finish.

Pendalytes users guide

To specify use both a reflector and compatible power husk/suspension

12" Pendalytes

40422
Depth 12⅜" - Height 15⅜"

40421
Depth 12⅜" - Height 15⅜"

12" Power husk & cable suspension	Lamping
4046261/404SKG	150W A21
40472U3/404SKG	26/32/42W TTT
404722XU3/404SKG	(2) 26/32/42W TTT

12" Deco Pendalytes

40422/412DG
Depth 15⅜" - Height 17"

40421/412DG
Depth 15⅜" - Height 17"

12" Power husk & cable suspension	Lamping
4046261/412DK	150W A21
40472U3/412DK	26/32/42W TTT
404722XU3/412DK	(2) 26/32/42W TTT

16" Pendalytes

40432
Depth 16¼" - Height 22"

40431
Depth 16¼" - Height 22"

16" Power husk & cable suspension	Lamping
406371/404SKG	150W A21
4073U3/404SKG	26/32/42W TTT
40734XU3/404SKG	(4) 26/32/42W TTT

16" Deco Pendalytes

40432/416DG
Depth 20" - Height 23½"

40431/416DG
Depth 20" - Height 23½"

16" Power husk & cable suspension	Lamping
406371/416DK	150W A21
4073U3/416DK	26/32/42W TTT
40734XU3/416DK	(4) 26/32/42W TTT

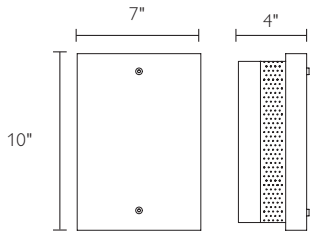
For decorative disks in acrylic or perforated metal, replace DG with DA for acrylic or PM for perforated metal.

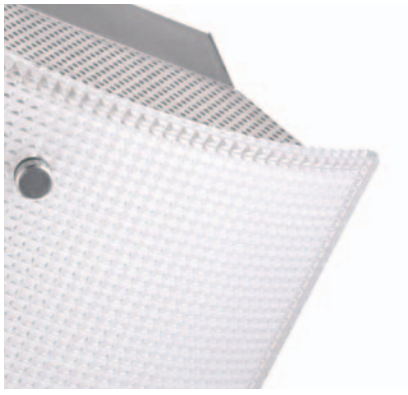
Contemporary

Palomar 1

Translite sconce

- ADA Compliant
- Features a quick release plunger for quick and tool free lamp replacement
- Comes standard with an integral ballast for all lamping options and mounts on a standard 4" square junction box





Ordering code

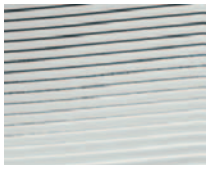
PR1 – ☐ – ☐ – ☐ – ☐

Fixture

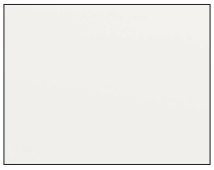
PR1
Palomar

Diffuser color

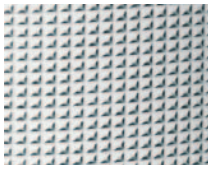
FT
Flute



LN
Linear

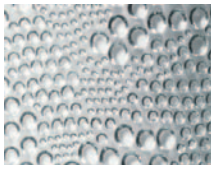


OW
Opal Acrylic

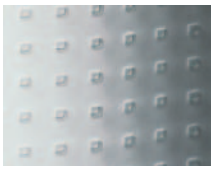


PS
Prismatic

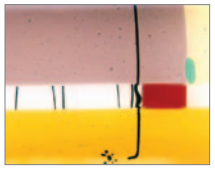
RD
Reed



RN
Rain



SQ
Square



SS
Sunset

Metal finish

BS	NP	WH
Brushed stainless steel	Satin nickel powder coat	White powder coat

Voltage

120	277

Lamping

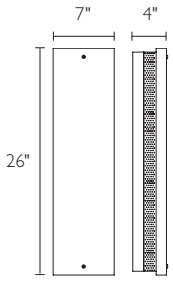
A60	F18	FD18	FD24	F26	N3-W*	N3-N*
60w A19 Medium Base	18w Quad/Triple GX24q-2 Base	18w Dulux 2G10 Base	24w Dulux 2G10 Base	26w Quad/Triple GX24q-3 Base	Three 1.2 watt LEDs 2700K	Three 1.2 watt LEDs 3500K

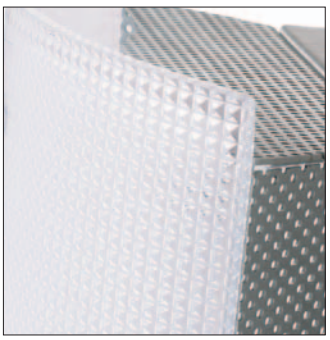
* LED options.

Palomar 2

Translite sconce

- ADA Compliant
- Features a quick release plunger for quick and tool free lamp replacement
- Comes standard with an integral ballast for all fluorescent lamping options and is compatible with T5 and T8 lamps
- Mounts to a standard 4" square junction box





Prismatic Glass

Ordering code

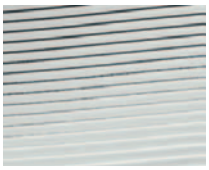
PR2 – ☐ – ☐ – ☐ – ☐

Fixture

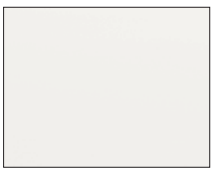
PR2
Palomar 2

Diffuser color

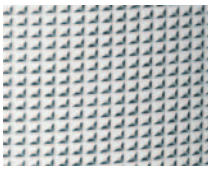
FT
Flute



LN
Linear

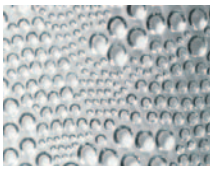


OW
Opal Acrylic

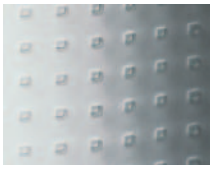


PS
Prismatic

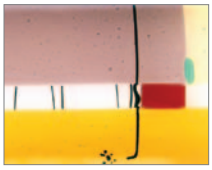
RD
Reed



RN
Rain



SQ
Square



SS
Sunset

Metal finish

BS	NP	WH
Brushed stainless steel	Satin nickel powder coat	White powder coat

Voltage

120	277

Lamping

FL40	2FE17	2FF14	2FF24
40w Long Twin Tube 2G11 Base	2x17w T8 Med. Bi-pin	2x14w T5 Mini Bi-pin	2x24w T5 Mini Bi-pin

Palomar 3

Translite sconce

Ordering code

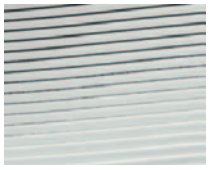
PR3 – ☐ – ☐ – ☐ – ☐

Fixture

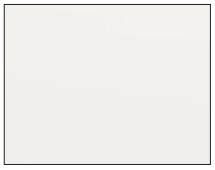
PR3
Palomar 3

Diffuser color

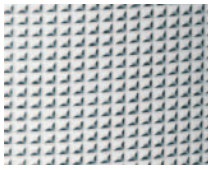
FT
Flute



LN
Linear

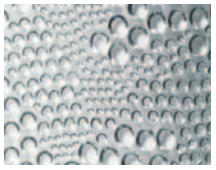


OW
Opal Acrylic

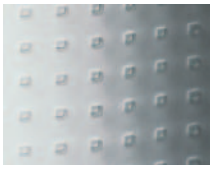


PS
Prismatic

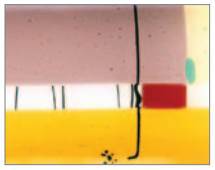
RD
Reed



RN
Rain



SQ
Square



SS
Sunset

Metal finish

BS	NP	WH
Brushed stainless aluminum	Satin nickel powder coat	White powder coat

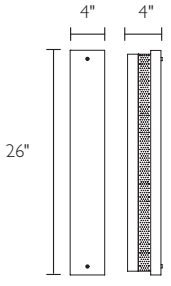
Voltage

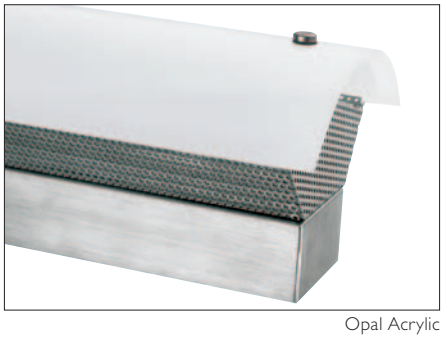
120 **277**

Lamping

FE17	FF14	FF24	FL40
17w T8 Med. Bi-pin	14w T5 Mini Bi-pin	24w T5 Mini Bi-pin	40w Long Twin Tube 2G11 Base

- ADA Compliant
- Features a quick release plunger for quick and tool free lamp replacement
- Comes standard with an integral ballast for all fluorescent lamping options and is compatible with T5 and T8 lamps
- Mounts on a standard 4" octagonal junction box with cover plate or on a standard 2" x 3" switch box without cover plate

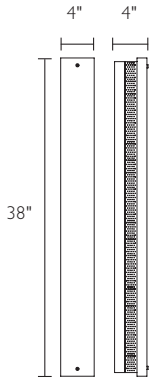




Opal Acrylic

Palomar 4

Translite sconce



- ADA Compliant
- Features a quick release plunger for quick and tool free lamp replacement
- Comes standard with an integral ballast for all fluorescent lamping options and is compatible with T5 and T8 lamps
- Mounts on a standard 4" octagonal junction box with cover plate or on a standard 2" x 3" switch box without cover plate

Ordering code

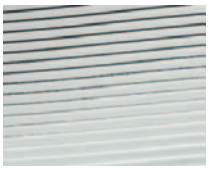
PR4 – ____ – ____ – ____ – ____

Fixture

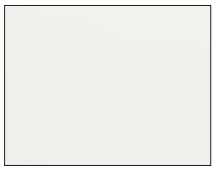
PR4
Palomar 4

Diffuser color

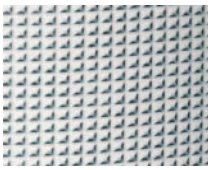
FT
Flute



LN
Linear

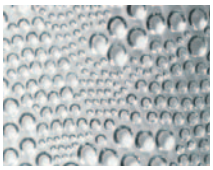


OW
Opal Acrylic

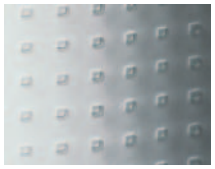


PS
Prismatic

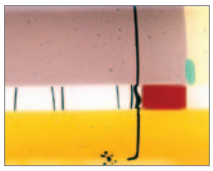
RD
Reed



RN
Rain



SQ
Square



SS
Sunset

Metal finish

BS	NP	WH
Brushed stainless steel	Satin nickel powder coat	White powder coat

Voltage

120 **277**

Lamping

FE25	FF21	FF39
25w T8 Med. Bi-pin	21w T5 Mini Bi-pin	39w T5 Mini Bi-pin

Square Glass

Palomar 5

Translite sconce

Ordering code

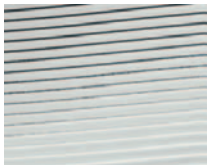
PR5 – ☐ – ☐ – ☐ – ☐

Fixture

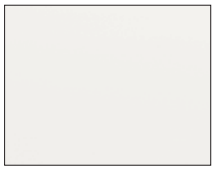
PR5
Palomar 5

Diffuser color

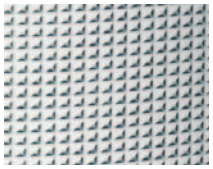
FT
Flute



LN
Linear

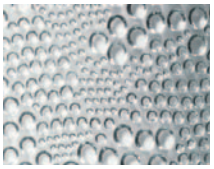


OW
Opal Acrylic

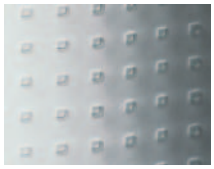


PS
Prismatic

RD
Reed



RN
Rain



SQ
Square

SS
Sunset

Metal finish

BS	NP	WH
Brushed stainless aluminum	Satin nickel powder coat	White powder coat

Voltage

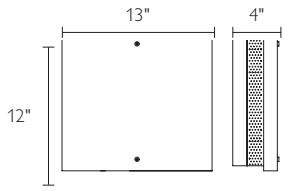
120 **277**

Lamping

A60	FD24	FD36	2F18	2FB13	N7-W*	N7-N*
60w A19 Medium Base	24w Dulux 2G10 Base	36w Dulux 2G10 Base	2x18w Quad/Triple GX24q-2 Base	2x13 Twin Tube GX23 Base	Three 2.4 watt LEDs 2700K	Three 2.4 watt LEDs 3500K

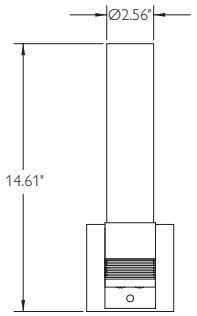
* Requires remote magnetic 12V transformer. LED options.

- ADA Compliant
- Features a quick release plunger for quick and tool free lamp replacement
- Comes standard with an integral ballast for all fluorescent lamping options
- Mounts to a standard 4" square junction box



Linear Glass

Pippa LED



- ADA compliant five layered hand-blown glass sconce with white enamel inner casing
- One 2.4W LED in 2700K or 3500K color temperature
- Integral LED driver
- Requires 12V magnetic transformer which can be remote mounted up to 10 feet away or integral to fixture

Translite sconce

Ordering code

PPL5 – ____ – ____ – ____ – ____

Fixture

PPL5
Pippa LED Sconce

Diffuser color

VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

PW
Polar White

Metal finish

AL
Satin Aluminum

PN
Polished Nickel

GB
Gloss Black

WH
White

Lamping

N2-W
One 2.4 watt LED
2700K

N2-N
One 2.4 watt LED
3500K

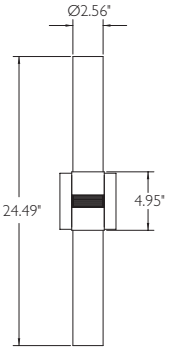
Transformer

R
Remote transformer
(ordered separately)[1]

T
Integral transformer[2]

[1]Fixture mounts to 2" x 3" switch box when used with remote transformer.
[2]Fixture supplied with toroidal transformer. Requires a 4" square, 2" deep j-box (by others).

Pippa LED Double



- ADA compliant five layered hand-blown glass sconce with white enamel inner casing
- Two 2.4W LED in 2700K or 3500K color temperature
- Integral LED driver
- Requires 12V magnetic transformer which can be remote mounted up to 10 feet away or integral to fixture

Translite sconce

Ordering code

PPL5D – ____ – ____ – ____ – ____

Fixture

PPL5D
Pippa LED Double Sconce

Diffuser color

VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

PW
Polar White

Metal finish

AL
Satin Aluminum

PN
Polished Nickel

GB
Gloss Black

WH
White

Lamping

N2-W
Two 2.4 watt LEDs
2700K

N2-N
Two 2.4 watt LEDs
3500K

Transformer

R
Remote transformer
(ordered separately)[1]

T
Integral transformer[2]

[1]Fixture mounts to 2" x 3" switch box when used with remote transformer.
[2]Fixture supplied with toroidal transformer.
Requires a 4" square, 2" deep j-box (by others).

Cereus

Translite sconce

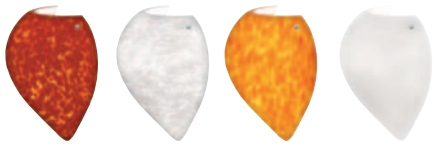
Ordering code

CER5 – ☐ – ☐ – ☐

Fixture

CER5
Cereus Sconce

Diffuser color



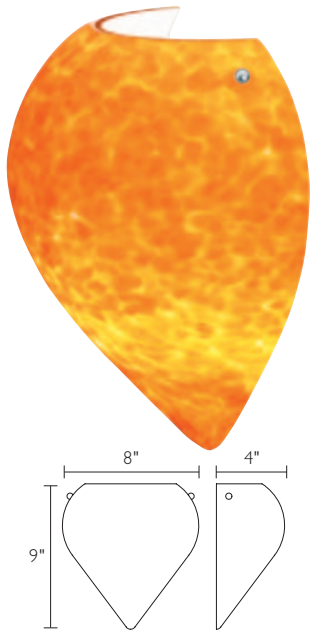
VR	SW	TG	PW
Mt. Vernon Red	Sausalito White	Turner Gold	Polar White

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

B60
60w B10.5 Candelabra



- ADA compliant seven layered hand-blown glass with white enamel inner casing
- J-box center 3.5" from the top of the fixture

Atcha

Translite sconce

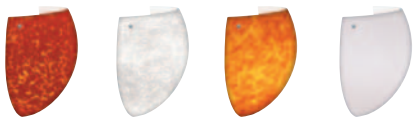
Ordering code

ATC5 – ☐ – ☐ – ☐

Fixture

ATC5
Atcha Sconce

Diffuser color



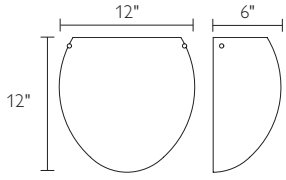
VR	SW	TG	PW
Mt. Vernon Red	Sausalito White	Turner Gold	Polar White

Metal finish

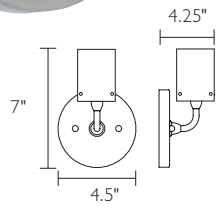
SN	PN	RB	BK	WH

Lamping

A60	F26	F32	F42
60w A19 Medium Base	26w Quad/ Triple GX24q-3	32w Triple GX24q-3	42w Triple GX24q-4



- Seven layered hand-blown glass with white enamel inner casing
- J-box center 2.75" from the top of the fixture



- Five layered hand-blown glass with white enamel inner casing
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- 4.25" projection

Mini Patrik

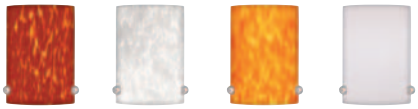
Translite sconce

Ordering code MPK5 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

MPK5
Mini Patrik Sconce

Diffuser Color



VR	SW	TG	PW
Mt. Vernon Red	Sausalito White	Turner Gold	Polar White

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

H35
12v 35w GY6.35 base

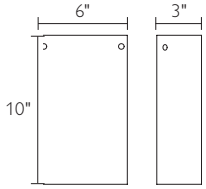
Options

Option 1

CC	CR	MR
Classic canopy	Classic canopy remote transformer	Modern canopy remote transformer

Option 2

277
277V low voltage transformer



- ADA compliant seven layered hand-blown glass with white enamel inner casing
- J-box center 6.5" from the top of the fixture for fluorescent and 7" for incandescent

Patrik

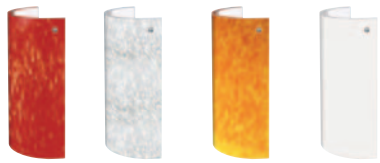
Translite sconce

Ordering code PTK5 – ☐ – ☐ – ☐

Fixture

PTK5
Patrik Sconce

Diffuser color



VR	SW	TG	PW
Mt. Vernon Red	Sausalito White	Turner Gold	Polar White

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

B60	F13-120	F13-277	FD18
60w B10.5, Candelabra	13w 120v Twin Tube GX23	13w 277v Twin Tube GX23	18w Dulux F 2G10e

Wintin

Translite sconce

Ordering code WNT5 – ☐ – ☐ – ☐

Fixture

WNT5
Wintin Sconce

Diffuser Color

VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

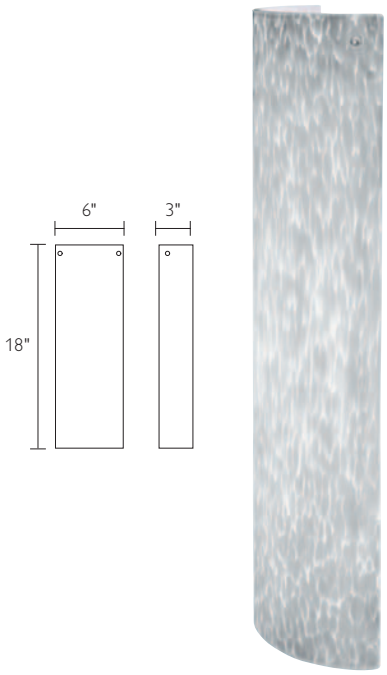
PW
Polar White

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

2B60	FL24	FL36
2x60w B10.5, Candelabra	24w Long Twin Tube 2G11	36w Long Twin Tube 2G11



- ADA compliant seven layered hand-blown glass with white enamel inner casing
- J-box center 5.5" from the top of the fixture for fluorescent and 8.625" for incandescent

Silo

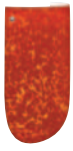
Translite sconce

Ordering code SIL5 – ☐ – ☐ – ☐

Fixture

SIL5
Silo Sconce

Diffuser color



VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

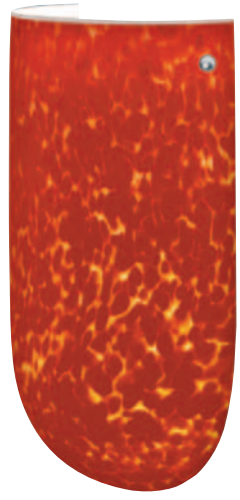
PW
Polar White

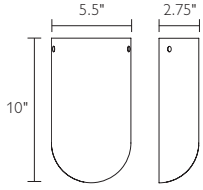
Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

B60	F13-120	F13-277
60w B10.5, Candelabra	13w 120v Twin Tube GX23	13w 277v Twin Tube GX23





- ADA compliant seven layered hand-blown glass with white enamel inner casing
- J-box center 6.5" from the top of the fixture for fluorescent and 6" for incandescent

Translite

Pendants

Pendants of unparalleled depth of color and texture are available with an extensive array of fluorescent, incandescent or LED lamping options. Handcrafted brilliance is exemplified in the use of elegant silks, sheer fabrics and hand blown glass in the spirit of classical design.

Mini Cereus Polar White pendants

Mini Cereus

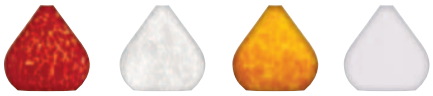
Translite pendant

Ordering code MCE1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

MCE1
Mini Cereus Pendant

Diffuser color



VR Mt. Vernon Red
SW Sausalito White
TG Turner Gold
PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

G25 25W G16.5, Candelabra
H35 12V 35W GY6.35 base

Options

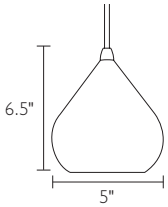
Option 1

CC Classic canopy
CR Classic canopy remote transformer
MR Modern canopy remote transformer

Option 2

277 277V low voltage transformer (H35 lamp only)
WC* White cord
CL* Clear cord

*G25 lamp only



- Five layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord for G25 lamp or tin braided cable
- Standard cord and cable length 108"
- Open fixture rated lamp up to 35 watts (not included)
- Comes standard with Modern Canopy and integral transformer. See page 6.76 table 1 for complete canopy selection.

Cereus

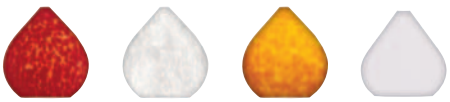
Translite pendant

Ordering code CER1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

CER1
Cereus Pendant

Diffuser color



VR Mt. Vernon Red
SW Sausalito White
TG Turner Gold
PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100 100w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3

Options

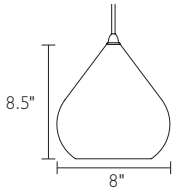
Option 1

WC White cord
CL Clear cord

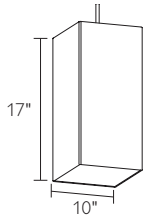
Option 2*

CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- See page 6.59 for matching sconce.
- Comes standard with Modern Canopy and integral ballast. See page 6.76 table 2 for complete canopy selection.



Cadre Tall

Translite pendant

Ordering code

CDT2 – ___ – ___ – ___ – OP1-OP2

Fixture

CDT2
Cadre tall stem

Diffuser color

GVN	MSS	WHT	IVR	CRL	APR	IMT	CPR
Green Vine	Moss	White	Ivory	Coral	Apricot	Iced mint	Copper

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

A100	F26	F32	F42
100w A19, Medium Base	26w Quad/ Triple,GX24q-3	32w Triple, GX24q-3	42w Triple, GX24q-4

Options

Option 1*

CC	M5
Classic canopy	Modern canopy remote mount

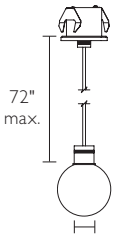
Option 2

XS_"
Extra Length 6"–72"
(Indicate desired OAL in 6" increments)

*See page 6.76 table 2 for canopy selection details.

Compatible accessories
Acrylic Diffusers
Bottom only: 996-B-BCT, Top and Bottom: 996-BCT

- Long, rectilinear fabric shade
- Handcrafted from finest Dupioni silks and sheer fabrics
- Fire retardant internal liner and nickel frame
- Suspended by 0.375"Ø field adjustable stem
- Standard OAL 32"
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.



Circa

Translite pendant

Ordering code

CCA1 – ___ – ___ – ___

Fixture

CCA1
Circa Pendant

Diffuser style

RD	PK	OR
Round	Pumpkin	Organic

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

Lamping

N1-W	N1-N	LED
One 1.2 watt LED 2700K	One 1.2 watt LED 3500K	Options

- Decorative seeded, clear mini glass pendant
- Suspended by tin-braided cable
- Mounts directly into drywall with included canopy
- Integral driver 100-240VAC 50-60 Hz
- CSA approved

Pippa

Translite pendant

Ordering code PPA1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

PPA1
Pippa pendant

Diffuser color

VR Mt. Vernon Red | **SW** Sausalito White | **TG** Turner Gold | **PW** Polar White

Metal finish

SN Satin nickel | **PN** Polished nickel | **RB** Rubbed bronze | **BK** Black | **WH** White

Lamping

B25 25w B10.5 Candelabra | **F13-120** 13w 120v Twin Tube GX23 | **F13-277** 13w 277v Twin Tube GX23

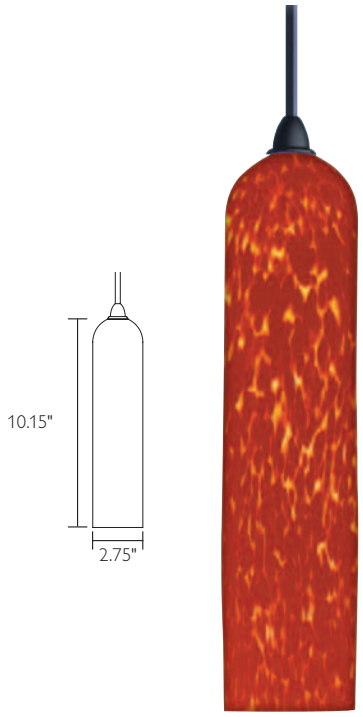
Option 1

WC White cord | **CL** Clear cord

Option 2*

CC Classic canopy | **M5** Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.



- Five layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- Comes standard with Modern Canopy and integral transformer or ballast. See page 6.76 table 2 for complete canopy selection.

Crystal Cube

Translite pendant

Ordering code CRC1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

CRC1
Crystal Cube Pendant

Diffuser color

RS Resin | **GL** Gold | **CL** Clear | **CB** Cobalt

Metal finish

SN Satin nickel | **PN** Polished nickel | **RB** Rubbed bronze | **BK** Black | **WH** White

Lamping

H35
12v 35w GY6.35 base

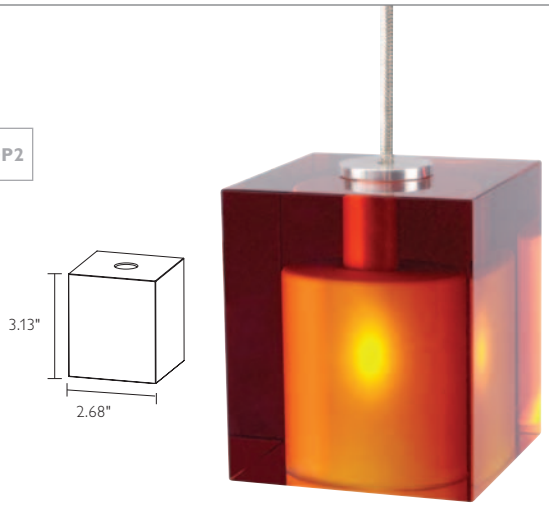
Options

Option 1

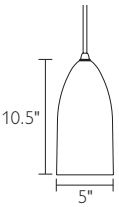
CC Classic canopy | **CR** Classic canopy remote transformer | **MR** Modern canopy remote transformer

Option 2

277
277V low voltage transformer (H35 lamp only)



- Decorative mini glass pendant in four translucent colors
- Suspended by field adjustable tin braided cable
- Standard cord and cable length 108"
- Open fixture rated lamp (not included)
- Comes standard with Modern Canopy and integral transformer. See page 6.76 table 1 for complete canopy selection.



Osmos

Translite pendant

Ordering code

OSM1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

OSM1
Osmos Pendant

Diffuser color

OB Osmos Blue

OG Osmos Green

OR Osmos Red

OA Osmos Amber

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

A100	F26	F32
100w A19 Medium Base	26w Quad/Triple GX24q-3	32w Triple GX24q-3

Option 1

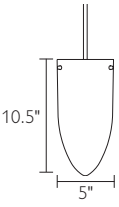
WC	CL
White cord	Clear cord

Option 2*

CC	M5
Classic canopy	Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.

- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- Comes standard with Modern Canopy with integral ballast. See page 6.76 table 2 for complete canopy selection.



Osmos

Translite pendant

Ordering code

OSM4 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

OSM4
Osmos Bowl

Diffuser color

OB Osmos Blue

OG Osmos Green

OR Osmos Red

OA Osmos Amber

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Black	White

Lamping

A100	F26	F32
100w A19 Medium Base	26w Quad/Triple GX24q-3	32w Triple GX24q-3

Option 1

WC	CL
White cord	Clear cord

Option 2*

CC	M5
Classic canopy	Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.

- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- Comes standard with Modern Canopy and integral ballast or driver. For complete canopy selection see page 6.76 table 2.

Norton

Translite pendant

Ordering code NTN1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

NTN1
Norton Pendant

Diffuser color

VR Mt. Vernon Red
SW Sausalito White
TG Turner Gold
PW Polar White

Metal finish

SN
Satin nickel

Lamping

A100
100w A19 Medium Base
F26
26w Quad/Triple GX24q-3
F32
32w Triple GX24q-3
F42
42w Triple GX24q-4

Options

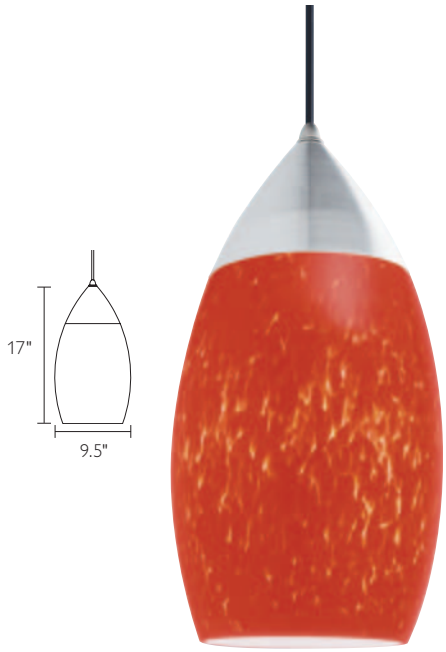
Option 1

WC White cord
CL Clear cord

Option 2*

CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

Solmon

Translite pendant

Ordering code SOL1 – ☐ – ☐ – OP1-OP2

Fixture

SOL1
Solmon Pendant

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100
100w A19 Medium Base
F26
26w Quad/Triple GX24q-3
F32
32w Triple GX24q-3
F42
42w Triple GX24q-4

Options

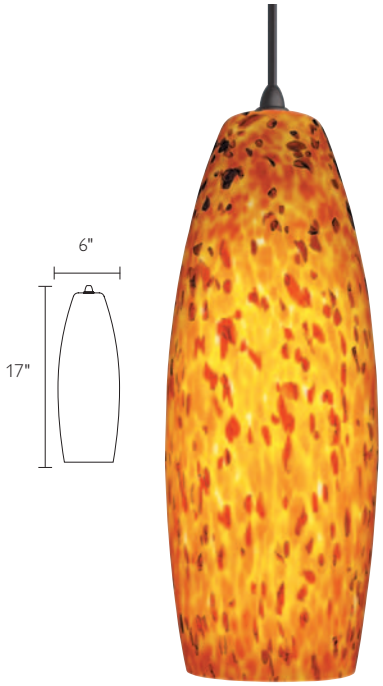
Option 1

WC White cord
CL Clear cord

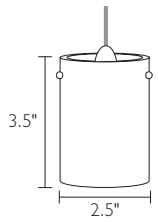
Option 2*

CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard diffuser color is Turner Gold with Mt. Vernon Red
- Standard cord length 108"
- Comes standard with Modern Canopy and integral ballast. See page 6.76 table 2 for complete canopy selection.



Mini Patrik

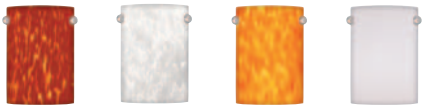
Translite pendant

Ordering code MPK1 – ___ – ___ – ___ – OP1-OP2

Fixture

MPK1
Mini Patrik Pendant

Diffuser color



VR	SW	TG	PW
Mt. Vernon Red	Sausalito White	Turner Gold	Polar White

Metal finish

AL	PN	RB	GB	WH
Satin aluminum	Polished nickel	Rubbed bronze	Gloss black	White

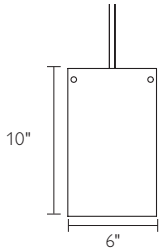
Lamping

H35
12v 35w GY6.35 base

Options

Option 1			Option 2
CC Classic canopy	**CR** Classic canopy remote transformer	**MR** Modern canopy remote transformer	**277** 277v low voltage transformer

- Five layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable tin braided cable
- Standard cable length 108"
- Open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Reference page 6.76 table 1 for canopy selection



Patrik

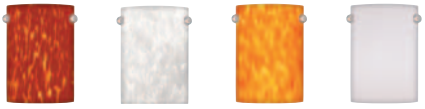
Translite pendant

Ordering code PTK1 – ___ – ___ – ___ – OP1-OP2

Fixture

PTK1
Patrik Pendant

Diffuser color



VR	SW	TG	PW
Mt. Vernon Red	Sausalito White	Turner Gold	Polar White

Metal finish

SN	PN	RB	BK	WH
Satin nickel	Polished nickel	Rubbed bronze	Gloss black	White

Lamping

A100	F26	F32
100w A19, Medium Base	26w Quad/Triple, GX24q-3	32w Triple, GX24q-3

Options

Option 1		Option 2*	
WC White cord	**CL** Clear cord	**CC** Classic canopy	**M5** Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.

- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- See page 6.60 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

Patrik

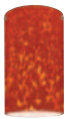
Translite pendant

Ordering code PTK2 – ___ – ___ – ___ – OP1-OP2

Fixture

PTK2
Patrik Stem

Diffuser color


VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

PW
Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Gloss black
WH White

Lamping

A100
100w A19, Medium Base

F26
26w Quad/Triple, GX24q-3

F32
32w Triple, GX24q-3

Options

Option 1*

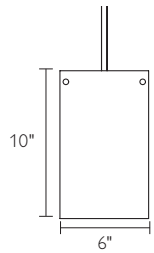
CC
Classic canopy

M5
Modern canopy remote mount

Option 2

XS___"
Extra Length 28"–72"

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- 27" standard OAL
- Suspended by 0.375"Ø metal stem
- Not field adjustable
- See page 6.60 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

Patrik

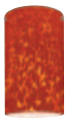
Translite pendant

Ordering code PTK4 – ___ – ___ – ___ – OP1-OP2

Fixture

PTK4
Patrik Bowl

Diffuser color


VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

PW
Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Gloss black
WH White

Lamping

A100
100w A19, Medium Base

F26
26w Quad/Triple, GX24q-3

F32
32w Triple, GX24q-3

Options

Option 1

WC
White cord

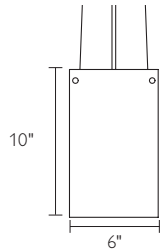
CL
Clear cord

Option 2*

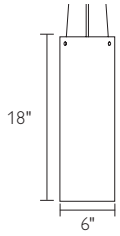
CC
Classic canopy

M5
Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Lamp socket is suspended inside fixture by black cord
- Fixture is suspended by 3 field adjustable aircraft cables
- Standard cord and cable length 108"
- See page 6.60 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.



Wintin

Translite pendant

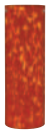
Ordering code

WNT2 – ___ – ___ – ___ – OP1-OP2

Fixture

WNT2
Wintin Stem

Diffuser color



VR Mt. Vernon Red

SW Sausalito White

TG Turner Gold

PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Gloss black
WH White

Lamping

A100 100w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3
F42 42w Triple, GX24q-4

Options

Option 1*

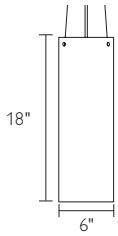
CC Classic canopy
M5 Modern canopy remote mount

Option 2

XS___" Extra Length 36"–72" (Indicate desired OAL in inches)

*See page 6.76 table 2 for canopy selection details.

- Seven layered hand-blown glass with white enamel inner casing
- Standard OAL 35"
- Suspended by 0.375"Ø metal stem
- See page 6.61 for matching sconce.
- Comes standard with Modern Canopy and integral ballast. See page 6.76 table 2 for complete canopy selection.



Wintin

Translite pendant

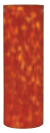
Ordering code

WNT4 – ___ – ___ – ___ – OP1-OP2

Fixture

WNT4
Wintin Bowl

Diffuser color



VR Mt. Vernon Red

SW Sausalito White

TG Turner Gold

PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Gloss black
WH White

Lamping

A150 150w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3
F42 42w Triple, GX24q-4

Options

Option 1

WC White cord
CL Clear cord

Option 2*

CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.

- Seven layered hand-blown glass with white enamel inner casing
- Lamp socket is suspended inside fixture by black cord
- Fixture is suspended by 3 field adjustable aircraft cables
- Standard cord and cable length 108"
- See page 6.61 for matching sconce.
- Comes standard with Modern Canopy and integral ballast. See page 6.76 table 2 for complete canopy selection.

Wintin

Translite pendant

Ordering code WNT1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

WNT1
Wintin Pendant

Diffuser color

VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

PW
Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100
100w A19, Medium Base

F26
26w Quad/Triple, GX24q-3

F32
32w Triple, GX24q-3

F42
42w Triple, GX24q-4

Options

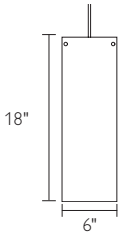
Option 1

WC White cord
CL Clear cord

Option 2*

CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- See page 6.61 for matching sconce.
- Comes standard with Modern Canopy and integral ballast. See page 6.76 table 2 for complete canopy selection.

Mini Silo

Translite pendant

Ordering code MSL1 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

MSL1
Mini Silo Pendant

Diffuser color

VR
Mt. Vernon Red

SW
Sausalito white

TG
Turner gold

PW
Polar white

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

G25
25w G16.5, Candelabra

H35
12v 35w GY6.35 base

Options

Option 1

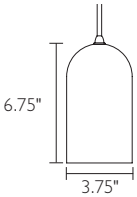
CC Classic canopy
CR Classic canopy remote transformer
MR Modern canopy remote transformer

Option 2

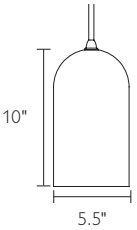
277
277v low voltage transformer (H35 lamp only)

WC* White cord
CL* Clear cord

*G25 lamp only



- Five layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord for G25 lamp or tin braided cable for open fixture rated low voltage bi-pin lamp up to 35 watts (not included)
- Standard cord and cable length 108"
- See page 6.61 for matching sconce.
- Comes standard with Modern Canopy and integral transformer. See page 6.76 table 1 for complete canopy selection.



Silo

Translite pendant

Ordering code SIL1 – ___ – ___ – ___ – OP1-OP2

Fixture

SIL1
Silo Pendant

Diffuser color

VR Mt. Vernon Red

SW Sausalito White

TG Turner Gold

PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100 100w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3

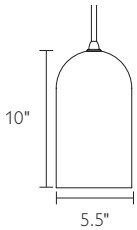
Options

WC White cord — Option 1 — **CL** Clear cord

CC Classic canopy — Option 2* — **M5** Modern canopy remote mount

- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- See page 6.61 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

*See page 6.76 table 2 for canopy selection details.



Silo

Translite pendant

Ordering code SIL2 – ___ – ___ – ___ – OP1-OP2

Fixture

SIL2
Silo Stem

Diffuser color

VR Mt. Vernon Red

SW Sausalito White

TG Turner Gold

PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100 100w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3

Options

Option 1*
CC Classic canopy
M5 Modern canopy remote mount

Option 2
XS___"
Extra Length 30"–72"
(Indicate desired OAL in 6" increments)

- Seven layered hand-blown glass with white enamel inner casing
- Standard OAL 27"
- Suspended by 0.375"Ø metal stem
- Not field adjustable
- See page 6.61 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

*See page 6.76 table 2 for canopy selection details.

Silo

Translite pendant

Ordering code

SIL4 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

SIL4
Silo Bowl

Diffuser color

VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

PW
Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100
100w A19, Medium Base

F26
26w Quad/Triple, GX24q-3

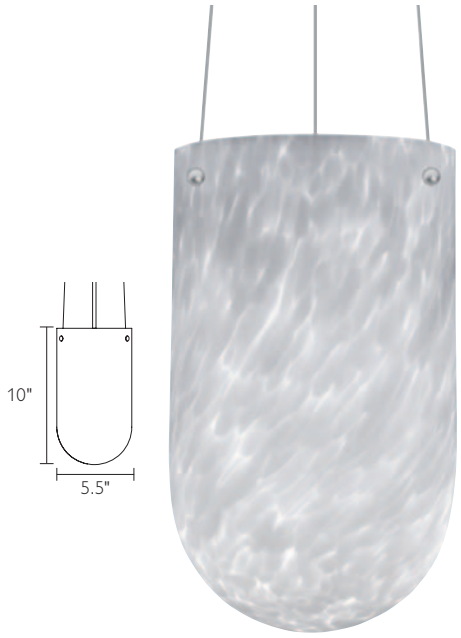
F32
32w Triple, GX24q-3

Options

Option 1
WC White cord
CL Clear cord

Option 2*
CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Lamp socket is suspended inside fixture by black cord
- Fixture is suspended by 3 field adjustable aircraft cables
- Standard cord and cable length 108"
- See page 6.61 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

Super Silo

Translite pendant

Ordering code

SPS2 – ☐ – ☐ – ☐ – OP1-OP2

Fixture

SPS2
Super Silo Stem

Diffuser color

VR
Mt. Vernon Red

SW
Sausalito White

TG
Turner Gold

PW
Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A150
150w A19, Medium Base

F26
26w Quad/Triple, GX24q-3

F32
32w Triple, GX24q-3

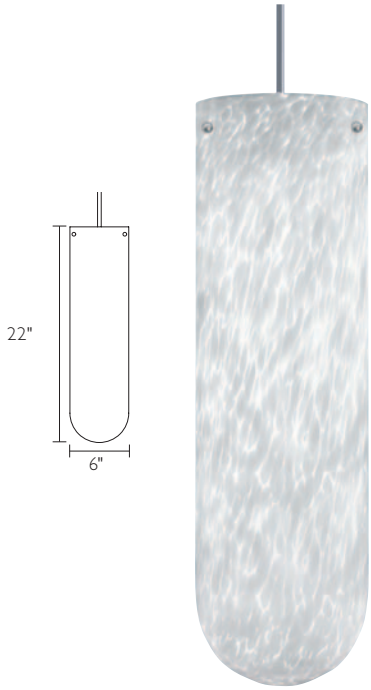
F42
42w Triple, GX24q-4

Options

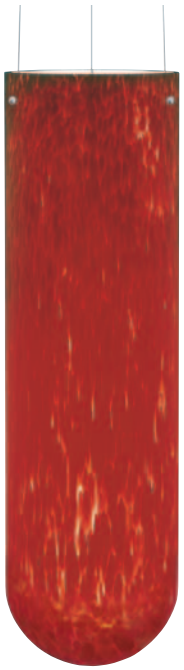
Option 1*
CC Classic canopy
M5 Modern canopy remote mount

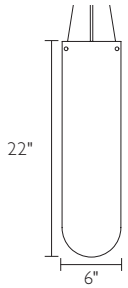
Option 2
XS Extra Length 30"–72"
(Indicate desired OAL in 6" increments)

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Standard OAL 39"
- Suspended by 0.375"Ø metal stem
- Not field adjustable
- Comes standard with Modern Canopy and integral ballast. See page 6.76 table 2 for complete canopy selection.





Super Silo

Translite pendant

Ordering code

SPS4	–		–		–		–	OP1-OP2

Fixture

SPS4
Super Silo Bowl

Diffuser color

VR Mt. Vernon Red

SW Sausalito White

TG Turner Gold

PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A150 150w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3
F42 42w Triple, GX24q-4

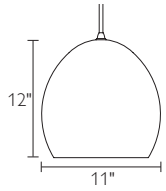
Options

Option 1
WC White cord
CL Clear cord

Option 2*
CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.

- Seven layered hand-blown glass with white enamel inner casing
- Lamp socket is suspended inside fixture by black cord
- Fixture is suspended by 3 field adjustable aircraft cables
- Standard cord and cable length 100"
- Comes standard with Modern Canopy and integral ballast. See page 6.76 table 2 for complete canopy selection.



Atcha

Translite pendant

Ordering code

ATC1	–		–		–		–	OP1-OP2

Fixture

ATC1
Atcha Pendant

Diffuser color

VR Mt. Vernon Red

SW Sausalito White

TG Turner Gold

PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100 100w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3
F42 42w Triple, GX24q-4

Options

Option 1
WC White cord
CL Clear cord

Option 2*
CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 table 2 for canopy selection details.

- Seven layered hand-blown glass with white enamel inner casing
- Suspended by field adjustable black cord
- Standard cord length 108"
- See page 6.59 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

Atcha

Translite pendant

Ordering code

ATC2 – ___ – ___ – ___ – OP1-OP2

Fixture

ATC2
Atcha Stem

Diffuser color

VR Mt. Vernon Red
SW Sausalito White
TG Turner Gold
PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100 100w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3
F42 42w Triple, GX24q-4

Options

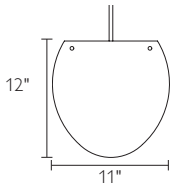
Option 1*

CC Classic canopy
M5 Modern canopy remote mount

Option 2

XS___" Extra Length 30"–72" (Indicate desired OAL in 6" increments)

*See page 6.76 table 2 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Standard OAL 29"
- Suspended by 0.375"Ø metal stem
- Not field adjustable
- See page 6.59 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

Atcha

Translite pendant

Ordering code

ATC4 – ___ – ___ – ___ – OP1-OP2

Fixture

ATC4
Atcha Bowl

Diffuser color

VR Mt. Vernon Red
SW Sausalito White
TG Turner Gold
PW Polar White

Metal finish

SN Satin nickel
PN Polished nickel
RB Rubbed bronze
BK Black
WH White

Lamping

A100 100w A19, Medium Base
F26 26w Quad/Triple, GX24q-3
F32 32w Triple, GX24q-3
F42 42w Triple, GX24q-4

Options

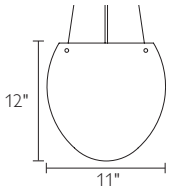
Option 1

WC White cord
CL Clear cord

Option 2*

CC Classic canopy
M5 Modern canopy remote mount

*See page 6.76 for canopy selection details.



- Seven layered hand-blown glass with white enamel inner casing
- Lamp socket is suspended inside fixture by black cord
- Fixture is suspended by 3 field adjustable aircraft cables
- Standard cord and cable length 108"
- See page 6.59 for matching sconce.
- Comes standard with Modern Canopy and integral ballast or driver. See page 6.76 table 2 for complete canopy selection.

Selecting a canopy

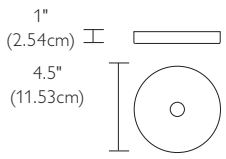
Translite

When selecting a canopy for your fixture, Translite Systems has the ideal canopy for your needs. Translite Systems' canopy choices can be divided into three groups: Small Glass, Large Glass and Flush Mount. Use the quick reference charts below to determine the canopy order code for your fixture.

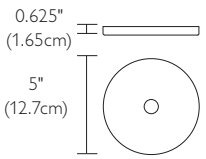
Table 1: Small glass

Translite Systems small glass fixtures have two canopies that come standard with the fixture depending on which lamp is selected. Canopy options change when the Classic Canopy is preferred or when the lamp is powered by a remote transformer.

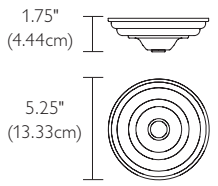
Modern canopy integral transformer



Modern canopy remote transformer



Classic Canopy

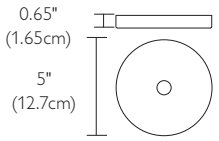


	Standard option	Classic canopy	Modern canopy for remote transformer	Classic canopy for remote transformer
H35 Lamp	**- No selection required -** Fixture comes standard with integral transformer and canopy (4.5"w x 1"h)	**CC** Fixture supplied with integral transformer and canopy (5.25"w x 1.75"h)	**MR** Fixture supplied for remote transformer (supplied by others) and canopy (5"w x 0.625"h)	**CR** Fixture supplied for remote transformer (supplied by others) and canopy (5.25"w x 1.75"h)
G25 Lamp or G60 Lamp	**- No selection required -** Fixture comes standard with canopy (5"w x 0.625"h)	**CC** Fixture supplied with canopy (5.25"w x 1.75"h)	**N/A**	**N/A**

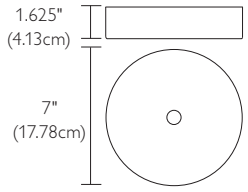
Table 2: Large glass

Translite Systems large glass fixtures may be specified with incandescent or fluorescent lamps. Large glass fixtures have two canopies that come standard with the fixture depending on which lamp is selected. Canopy options change when the Classic Canopy or Remote Ballast option is specified.

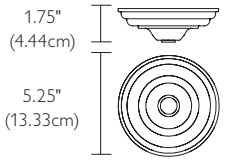
Modern canopy incandescent lamp and remote ballast (M5)



Fluorescent & LED Modern canopy integral



Classic canopy



	Standard option	Classic canopy	Modern canopy for remote transformer
Incandescent lamp	**- No selection required-** Fixture comes standard with canopy (5"w x 0.625"h)	**CC** Fixture supplied with canopy (5.25"w x 1.75"h)	**N/A**
G25 Lamp or G60 Lamp	**- No selection required-** Fixture comes standard with integral ballast and canopy (7"w x 1.625"h)	**CC** Fixture supplied with driver and canopy (5.25"w x 1.75"h); ballast must be remotely located; distance from driver to socket may not exceed 8'	**M5** Fixture supplied with driver and canopy (5.25"w x 1.75"h); ballast must be remotely located; distance from driver to socket may not exceed 8'
LED	**- No selection required-** Fixture comes standard with integral driver and canopy (7"w x 1.625"h)	**CC** Fixture supplied with driver and canopy (5.25"w x 1.75"h); ballast must be remotely located; distance from driver to socket may not exceed 8'	**M5** Fixture supplied with driver and canopy (5.25"w x 1.75"h); ballast must be remotely located; distance from driver to socket may not exceed 8'

Cord and cable options

Translite

Cable options vary for low voltage and line voltage pendants. Low voltage pendants – small glass pendants and metal fixtures – use a tin braided, coaxial cable which comes in two finishes: Silver and Rubbed Bronze. Use of these two different cables is dependent upon the selected finish of the fixture and/or track system. Line voltage pendants use 18-4, 18-3 and 18-2 AWG field adjustable SVT and SJT cord. 18-3 and 18-4 cords feature Kevlar™ lining. Cord comes standard in Black. Optional White Cord and Clear Cord may be specified.

Clear

Black

White

Lightshields
Lightshield material is accented by a Nickel Powder-Coat finished steel frame. All are ADA compliant. (4" maximum extension)

Luminosities

Wall mounted ADA

Luminosities utilize composites of translucent organic materials sealed in thin-film polymers to create highly sophisticated lighting for circulation, retail, and dining areas.

Wood

408869 Lightshield only

408879 Lightshield only

408889 Lightshield only

Grid

408867 Lightshield only

408877 Lightshield only

408887 Lightshield only

Pick-Up Sticks

408865 Lightshield only

408885 Lightshield only

408885 Lightshield only

Parchment

4088610 Lightshield only

4088710 Lightshield only

4088810 Lightshield only

Luminosities

Wall mounted ADA

Luminosities utilize composites of translucent organic materials sealed in thin-film polymers to create highly sophisticated lighting for circulation, retail, and dining areas.

Grid

Grid is a subtle geometric pattern of Japanese Rice Paper, laminated for durability and ease of cleaning.

Wood

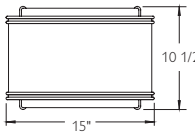
Wood is a quarter-cut veneer of genuine Japanese Cedar, laminated for durability and ease of cleaning.

Pick-Up-Sticks

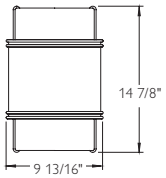
Pick-Up Sticks is an informal pattern of Japanese Mulberry Paper, laminated for durability and ease of cleaning.

Parchment

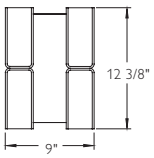
Parchment is a paper simulating the skin once used for writing, laminated for durability and ease of cleaning.



408865 Pick-Up Sticks **408869** Wood
408867 Grid **4088610** Parchment



408875 Pick-Up Sticks **408879** Wood
408877 Grid **4088710** Parchment

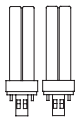


408885 Pick-Up Sticks **408889** Wood
408887 Grid **4088810** Parchment

Backplate assemblies (not shown)

Lamp / ballast specification

Incandescent:
40885 1 X 60W A-19



Compact fluorescent:
40885U Universal Electronic
2 X 13W Quad (4-Pin)
120V-277V

UL listed. Suitable for damp locations.

Complete fixture consists of
Lightshield and backplate assembly
(Example) Order each separately

408869	+	**40885U**
Lightshield Wood		Backplate 2 X 13W Quad Universal Electronic

Traditional

Pendalux Cirrus

Ordering guide

How to specify

Order the body: Electrical options listing below.

Order the suspension: style and size that closely approximate the desired OAL (overall length) which is defined as the distance from the bottom of the diffuser to the ceiling plane.

For optimum performance we recommend OAL in proportion to the Body diameter (see shaded cells). Certain suspension styles cannot be paired with non-proportional Body diameters and are noted as "NA."

Note: If a larger suspension is required, order as a third component, a field-cuttable extension stem (see specification sheet no. 4SXT). All suspensions contain a jig to allow for field shortening of stem assembly. For all 4SBXXX single stem kits, extensions replace original stem. For all other kits, extension stem replaces short section above collection point.

Complete fixture consists of
Body + Suspension
(Example) Order each separately

4A35642APBU	+	**4SB135PB**
35" Cirrus Body 6 Lamp Poished Brass		Single Stem Suspension 35" OAL Polished Brass

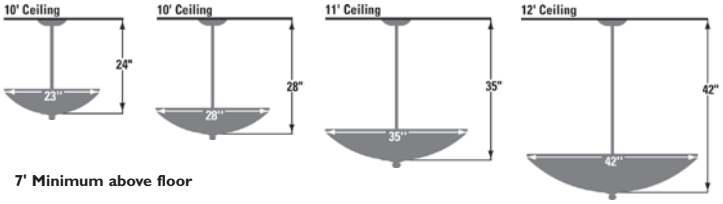
Pendalux luminaires consist of two components: body and suspension.

Order each separately.

Select the Diameter, Suspension and Layout best suited to the space. The drawing below shows the full family of the **Cirrus Pendalux** style with recommended overall suspension lengths relative to ceiling heights from 10' to 12'. For illumination performance, refer to factory recommended sample layout and application data charts on the facing page.

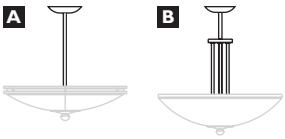
Body

Opal Acrylic
Diffuser/Metal
Knob CFL Triple
tube 26/32/42W
120V-277V
Electronic Ballast



7' Minimum above floor

Suspensions



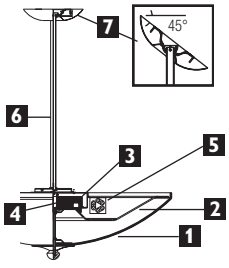
Single Stem

Multiple stem to short stem

Pendalux specifications

		2 Lamp cat. no.	4 Lamp cat. no.	6 Lamp cat. no.	8 Lamp cat. no.
	Polished brass	**4A23242APBU**	**4A28442APBU**	**4A35642APBU**	**4A42842APBU**
	Satin nickel	**4A23242ASNU**	**4A28442ASNU**	**4A35642ASNU**	**4A42842ASNU**
A	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL	Nominal OAL
	4SB115*	15" (Close to ceiling)	15 3/16" (Close ceiling)	16 9/16"	18 1/4"
	4SB118*	16 7/16"	16 5/8"	18" (Close to ceiling)	19 11/16"
	4SB121*	17 3/4"	17 15/16"	19 5/16"	21" (Close to ceiling)
	4SB124*	24"	24 3/16"	25 9/16"	27 1/4"
	4SB128*	27 3/16"	28"	29 3/8"	31 1/16"
	4SB135*	33 7/16"	33 5/8"	35"	36 11/16"
	4SB142*	38 3/4"	38 15/16"	40 5/16"	42"
B	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL	Nominal OAL
	4SB224*	NA	24 3/16"	25 9/16"	27 1/4"
	4SB228*	NA	28"	29 3/8"	31 1/16"
	4SB235*	NA	33 5/8"	35"	36 11/16"
	4SB242*	NA	38 15/16"	40 5/16"	42"

*Specify finish: **PB** = Polished Brass **SN** = Satin Nickel



1. **Diffusing reflector:** White translucent acrylic, 3/16" thick.
2. **Inner dirt shield:** White translucent acrylic, 1/8" thick.
3. **Chassis:** Steel, 20 gauge, white semigloss powder coat.
4. **Ballasts:** Electronic, Class P, universal voltage and multi-wattage.
5. **Lamp holder:** Multi-wattage, 4 pin, accepts either GX24q-3 or GX24q-4 base.
6. **Suspension:** 5/8" steel tube stem with swivel joint atop allows 45° slope. Conforms to California Earthquake Code.
7. **Canopy:** Steel, 7" diameter, no external fasteners

Lamps: Compact Fluorescent Triple Tube, 26, 32, or 42 Watts

Pendalux Gemini

Ordering guide

How to specify

Order the body: Electrical options listing below.

Order the suspension: style and size that closely approximate the desired OAL (overall length) which is defined as the distance from the bottom of the diffuser to the ceiling plane.

For optimum performance we recommend OAL in proportion to the Body diameter (see shaded cells). Certain suspension styles cannot be paired with non-proportional Body diameters and are noted as "NA."

Note: If a larger suspension is required, order as a third component, a field-cuttable extension stem (see specification sheet no. 4SXT). All suspensions contain a jig to allow for field shortening of stem assembly. For all 4SBXXX single stem kits, extensions replace original stem. For all other kits, extension stem replaces short section above collection point.

Pendalux luminaires consist of two components: body and suspension.

Order each separately.

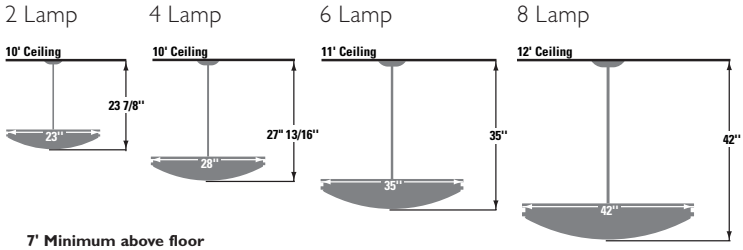
Select the Diameter, Suspension and Layout best suited to the space. The drawing below shows the full family of the **Gemini Pendalux** style with recommended overall suspension lengths relative to ceiling heights from 10' to 12'. For illumination performance, refer to factory recommended sample layout and application data charts on the facing page.

Complete fixture consists of
Body + Suspension
(Example) Order each separately

4F35642ASNU	+	**4SB235SN**
35" Gemini Body 6 Lamp Satin Nickel		Multiple Stem Suspension 35" OAL Satin Nickel

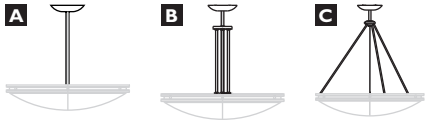
Body

Twin Steel Flange/
Opal Acrylic
CFL Triple tube
26/32/42W
120V-277V
Electronic Ballast



7' Minimum above floor

Suspensions



A **Single stem**

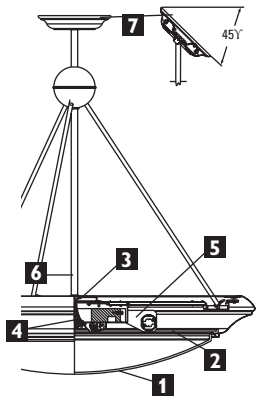
B **Multiple stem to short stem**

C **3 Cables to short stem**

		2 Lamp cat. no.	4 Lamp cat. no.	6 Lamp cat. no.	8 Lamp cat. no.
	Polished brass	**4F23242APBU**	**4F28442APBU**	**4F35642APBU**	**4F42842APBU**
	Satin nickel	**4F23242ASNU**	**4F28442ASNU**	**4F35642ASNU**	**4F42842ASNU**
	White	**4F23242AWHU**	**4F28442AWHU**	**4F35642AWHU**	**4F42842AWHU**
A	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL	Nominal OAL
	4SB115*	14 7/8" (Close to ceiling)	15" (Close to ceiling)	16 9/16"	18 1/4"
	4SB118*	16 5/16"	16 7/16"	18" (Close to ceiling)	19 11/16"
	4SB121*	17 5/8"	17 3/4"	19 5/16"	21" (Close to ceiling)
	4SB124*	23 7/8"	24"	25 9/16"	27 1/4"
	4SB128*	27 11/16"	27 13/16"	29 3/8"	31 1/16"
	4SB135*	33 5/16"	33 7/16"	35"	36 11/16"
	4SB142*	38 5/8"	38 3/4"	40 5/16"	42"
B	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL	Nominal OAL
	4SB224*	NA	24"	25 9/16"	27 1/4"
	4SB228*	NA	27 13/16"	29 3/8"	31 1/16"
	4SB235*	NA	33 7/16"	35"	36 11/16"
	4SB242*	NA	38 3/4"	40 5/16"	42"
C	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL	Nominal OAL
	4SB324*	23 7/8"	NA	NA	NA
	4SB328*	NA	27 13/16"	NA	NA
	4SB335*	NA	NA	35"	NA
	4SB342*	NA	NA	NA	42"

*Specify finish: **PB** = Polished Brass **SN** = Satin Nickel **WH** = White

Pendalux specifications



1. **Diffusing reflector:** White translucent acrylic, 3/16" thick
2. **Inner dirt shield:** White translucent acrylic, 1/8" thick
3. **Chassis:** Steel, 20 gauge, white semigloss powder coat
4. **Ballasts:** Electronic, Class P, universal voltage and multi-wattage
5. **Lamp holder:** Multi-wattage, 4 pin, accepts either GX24q-3 or GX24q-4 base
6. **Suspension:** 3 Steel 3/8" tubes (lower), 5/8" center steel tube stem with swivel joint atop allows 45° slope. Conforms to California Earthquake Code.
7. **Canopy:** Steel, 7" diameter, no external fasteners

Lamps: Compact Fluorescent Triple Tube, 26, 32, or 42 Watts

Pendalux Contemporary

Ordering guide

How to specify

Order the body: Electrical options listing below.

Order the suspension: style and size that closely approximate the desired OAL (overall length) which is defined as the distance from the bottom of the diffuser to the ceiling plane.

For optimum performance we recommend OAL in proportion to the Body diameter (see shaded cells). Certain suspension styles cannot be paired with non-proportional Body diameters and are noted as "NA."

Note: If a larger suspension is required, order as a third component, a field-cuttable extension stem (see specification sheet no. 4SXT). All suspensions contain a jig to allow for field shortening of stem assembly. For all 4SB1XXXX single stem kits, extensions replace original stem. For all other kits, extension stem replaces short section above collection point.

Complete fixture consists of
Body + Suspension
(Example) Order each separately

4K28442ASBU	+	**4SB335SB**
35" Contemporary Body 6 Lamp Satin Nickel		3 Cables to Short Stem 35" OAL Pol. Brass

Pendalux luminaires consist of two components: body and suspension

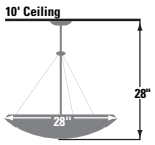
Order each separately.

Select the Diameter, Suspension and Layout best suited to the space. The drawing below shows the full family of the **Contemporary Pendalux** style with recommended overall suspension lengths relative to ceiling heights from 10' to 12'. For illumination performance, refer to factory recommended sample layout and application data charts on the facing page.

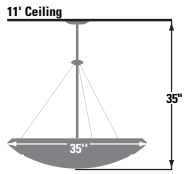
Body

Contemporary
Steel Flange/Opal
Acrylic CFL Triple
tube 26/32/42W
120V-277V
Electronic Ballast

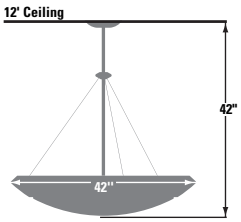
4 Lamp



6 Lamp

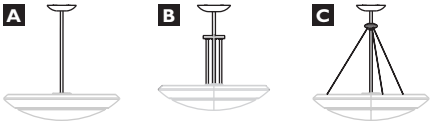


8 Lamp



7' Minimum above floor

Suspensions

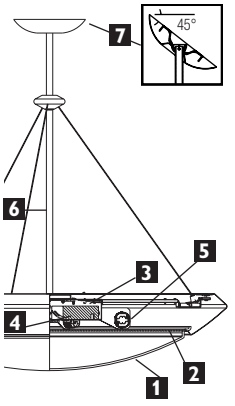


Single stem | **Multiple stem to short stem** | **3 Cables to short stem**

		4 Lamp cat. no.	6 Lamp cat. no.	8 Lamp cat. no.
	Satin brass	**4K28442ASBU**	**4K35642ASBU**	**4K42842ASBU**
	Satin nickel	**4K28442ASNU**	**4K35642ASNU**	**4K42842ASNU**
	White	**4K28442AWHU**	**4K35642AWHU**	**4K42842AWHU**
A	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL
	4SB115*	15 3/16" (Close to ceiling)	16 9/16"	18 1/4"
	4SB118*	16 5/8"	18" (Close to ceiling)	19 11/16"
	4SB121*	17 15/16"	19 5/16"	21" (Close to ceiling)
	4SB124*	24 3/16"	25 9/16"	27 1/4"
	4SB128*	28"	29 3/8"	31 1/16"
	4SB135*	33 5/8"	35"	36 11/16"
	4SB142*	38 15/16"	40 5/16"	42"
B	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL
	4SB224*	24 3/16"	25 9/16"	27 1/4"
	4SB228*	28"	29 3/8"	31 1/16"
	4SB235*	33 5/8"	35"	36 11/16"
	4SB242*	38 15/16"	40 5/16"	42"
C	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL
	4SB328*	28"	NA	NA
	4SB335*	NA	35"	NA
	4SB342*	NA	NA	42"

*Specify finish: **PB** = Polished Brass **SN** = Satin Nickel **WH** = White

Pendalux specifications



1. **Diffusing reflector:** White translucent acrylic, 3/16" thick
2. **Inner dirt shield:** White translucent acrylic, 1/8" thick
3. **Chassis:** Steel, 20 gauge, white semigloss powder coat
4. **Ballasts:** Electronic, Class P, universal voltage and multi-wattage
5. **Lamp holder:** Multi-wattage, 4 pin, accepts either GX24q-3 or GX24q-4 base
6. **Suspension:** 3 Steel 3/8" tubes (lower), 5/8" center steel tube stem with swivel joint atop allows 45° slope. Conforms to California Earthquake Code.
7. **Canopy:** Steel, 7" diameter, no external fasteners

Lamps: Compact Fluorescent Triple Tube, 26, 32, or 42 Watts

Pendalux Traditional

Ordering guide

How to specify

Order the body: Electrical options listing below.

Order the suspension: style and size that closely approximate the desired OAL (overall length) which is defined as the distance from the bottom of the diffuser to the ceiling plane.

For optimum performance we recommend OAL in proportion to the Body diameter (see shaded cells). Certain suspension styles cannot be paired with non-proportional Body diameters and are noted as "NA."

Note: If a larger suspension is required, order as a third component, a field-cuttable extension stem (see specification sheet no. 4SXT). All suspensions contain a jig to allow for field shortening of stem assembly. For all 4SB1XXXX single stem kits, extensions replace original stem. For all other kits, extension stem replaces short section above collection point.

Pendalux luminaires consist of two components: body and suspension

Order each separately.

Select the Diameter, Suspension and Layout best suited to the space. The drawing below shows the full family of the **Traditional Pendalux** style with recommended overall suspension lengths relative to ceiling heights from 10' to 12'. For illumination performance, refer to factory recommended sample layout and application data charts on the facing page.

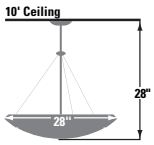
Complete fixture consists of
Body + Suspension
(Example) Order each separately

4R35642ASBU	+	**4ST435SB**
35" Traditional Body 6 Lamp Satin Brass		3 Rods to Short Stem 35" OAL Satin Brass

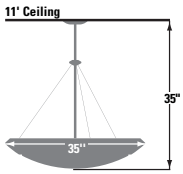
Body

Traditional Steel
Flange/Opal
Acrylic CFL Triple
tube 26/32/42W
120V-277V
Electronic Ballast

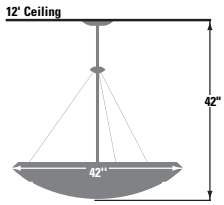
4 Lamp



6 Lamp

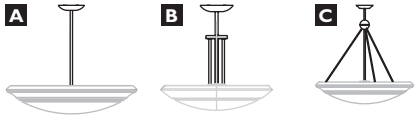


8 Lamp



7' Minimum above floor

Suspensions

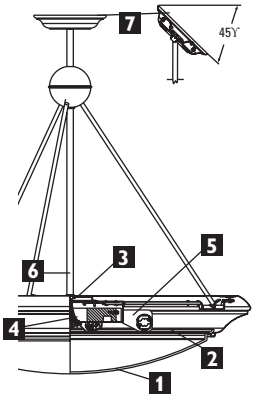


Single stem | **Multiple stem to short stem** | **3 Rods to short stem**

		4 Lamp cat. no.	6 Lamp cat. no.	8 Lamp cat. no.
	Polished brass	**4R28442APBU**	**4R35642APBU**	**4R42842APBU**
	Satin brass	**4R28442ASBU**	**4R35642ASBU**	**4R42842ASBU**
	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL
A	**4SB115***	15 3/16" (Close to ceiling)	16 9/16"	18 1/4"
	4SB118*	16 5/8"	18" (Close to ceiling)	19 11/16"
	4SB121*	17 15/16"	19 5/16"	21" (Close to ceiling)
	4SB124*	24 3/16"	25 9/16"	27 1/4"
	4SB128*	28"	29 3/8"	31 1/16"
	4SB135*	33 5/8"	35"	36 11/16"
	4SB142*	38 15/16"	40 5/16"	42"
B	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL
	4ST228*	28"	29 3/8"	31 1/16"
	4ST235*	33 5/8"	35"	36 11/16"
	4ST242*	38 15/16"	40 5/16"	42"
C	Suspension cat. no.	Nominal OAL	Nominal OAL	Nominal OAL
	4ST428*	28"	NA	NA
	4ST435*	NA	35"	NA
	4ST442*	NA	NA	42"

*Specify finish: **PB** = Polished Brass **SN** = Satin Nickel

Pendalux specifications



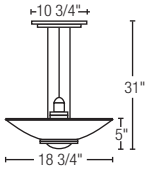
1. **Diffusing reflector:** White translucent acrylic, 3/16" thick
2. **Inner dirt shield:** White translucent acrylic, 1/8" thick
3. **Chassis:** Steel, 20 gauge, white semigloss powder coat
4. **Ballasts:** Electronic, Class P, universal voltage and multi-wattage
5. **Lamp holder:** Multi-wattage, 4 pin, accepts either GX24q-3 or GX24q-4 base
6. **Suspension:** 3 Steel 3/8" tubes (lower), 5/8" center steel tube stem with swivel joint atop allows 45° slope. Conforms to California Earthquake Code.
7. **Canopy:** Steel, 7" diameter, no external fasteners

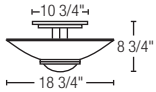
Lamps: Compact Fluorescent Triple Tube, 26, 32, or 42 Watts

Alabaster & Etched Glass

Indirect pendants

Alabaster & Etched Glass





Pendants: (Chassis)

Cat. no.	Finish	Lamp	Ballast	Voltage
40750SNU	Satin nickel	(1) 26/32/42W TTT, CFL	Electronic	120V-277V
40750PBU	Polished brass	(1) 26/32/42W TTT, CFL	Electronic	120V-277V

Glass

Cat. no.	Type
72303	Alabaster
72304	Etched Glass

Extension

Cat. no.	Finish	Length
40784SN	Satin Nickel	(3) 14" rods
40784PB	Polished Brass	(3) 14" rods

Close-to-ceiling: (Chassis)

Cat. no.	Finish	Lamp	Ballast	Voltage
40752SNU	Satin nickel	(1) 26/32/42W TTT, CFL	Electronic	120V-277V
40752PBU	Polished brass	(1) 26/32/42W TTT, CFL	Electronic	120V-277V

Alabaster

Authentic Alabaster is an elegant stone mined in Spain and handcrafted to our specifications by skilled craftsmen. The polishing process reveals the shading and veining that makes each luminaire unique.

Etched Glass

The Etched Glass pendant and close to ceiling luminaire are design classics. Ideally scaled and styled for hallways, community living spaces, dining areas, and foyers; the clean lines of the pendant lends itself to multiple spacing applications.

All units are cULus listed, suitable for damp locations.

Alabaster & Etched Glass user guide (to specify use both chassis and glass)

Must order chassis and glass separately for complete fixture.

Alabaster pendant

Pendant		Glass	Lamp	Voltage
40750SNU	+	**72303**	(1) 26/32/42W, TTT CFL	120-277V
40750SN	+	**72303**	(1) 150W Max, A21	120V
40750PBU	+	**72303**	(1) 26/32/42W, TTT CFL	120-277V
40750PB	+	**72303**	(1) 150W Max, A21	120V

Etched Glass pendant

Pendant		Glass	Lamp	Voltage
40750SNU	+	**72304**	(1) 26/32/42W TTT, CFL	120-277V
40750SN	+	**72304**	(1) 150W Max, A21	120V
40750PBU	+	**72304**	(1) 26/32/42W TTT, CFL	120-277V
40750PB	+	**72304**	(1) 150W Max, A21	120V

Alabaster close-to-ceiling

Pendant		Glass	Lamp	Voltage
40752SNU	+	**72303**	(2) 26W QT, CFL	120-277V
40752PBU	+	**72303**	(2) 26W QT, CFL	120-277V

Etched Glass close-to-ceiling

Pendant		Glass	Lamp	Voltage
40752SNU	+	**72304**	(2) 26W QT, CFL	120-277V
40752PBU	+	**72304**	(2) 26W QT, CFL	120-277V

Spill Ring & Lumidome compact fluorescent

Surface utility

Surface mounted fixtures serve particularly well in vestibules, hallways and similar circulation areas in which life safety codes require emergency lighting of the pathways to egress. It is now possible to incorporate emergency lighting within the same outline as the general lighting, thus eliminating the need for extra equipment on the wall or ceiling, providing a more economical, cleaner installation. Emergency option is available where noted.

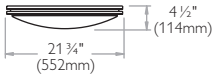
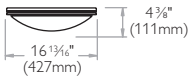
Features

Double-ring detail creates an intriguing "spill" of light. Unit is fully enclosed to keep out dust. Spill Ring has an acrylic diffuser, one style, two sizes, and a selection of three corrosion-resistant finishes:

- Semi-gloss white
- Plated satin nickel
- Plated polished brass

Spill Ring

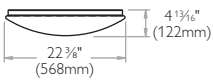
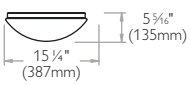
Satin nickel White Polished brass

Cat. no.	Cat. no.	Cat. no.	Description	Voltage
				
5543SN239U	**5543WH239U**	**5543PB239U**	(2) 36/39W Twin Tube 4-Pin Elec.	120-277V
5543SN326U	**5543WH326U**	**5543PB326U**	(3) 26W Quad 4-Pin Electronic	120-277V
				
5533SN226U	**5533PB226U**	**5533WH226U**	(2) 26W Quad 4-Pin Electronic	120-277V

Emergency battery pack option: add suffix "E"

Lumidome Basic

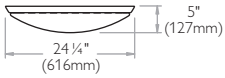
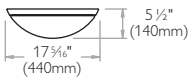
White finish

Cat. no.	Description	Voltage
		
5241WH239U	(2) 36/39W Twin Tube 4-Pin Electronic	120V
5241WH326U	(3) 26W Quad 4-Pin Electronic	120-277V
		
5231WH226U	(2) 26W Quad 4-Pin Electronic	120-277V

Emergency battery pack option: add suffix "E"

Lumidome Contemporary

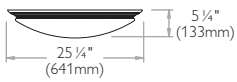
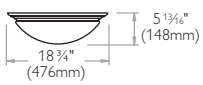
Satin nickel finish

Cat. no.	Description	Voltage
		
5243SN239U	(2) 36/39W Twin Tube 4-Pin Electronic	120-277V
5243SN326U	(3) 26W Quad 4-Pin Electronic	120-277V
		
5233SN226U	(2) 26W Quad 4-Pin Electronic	120-277V

Emergency battery pack option: add suffix "E"

Lumidome Traditional

Polished brass finish

Cat. no.	Description	Voltage
		
5242PB239U	(2) 36/39W Twin Tube 4-Pin Electronic	120-277V
5242PB326U	(3) 26W Quad 4-Pin Electronic	120-277V
		
5232PB226U	(2) 26W Quad 4-Pin Electronic	120-277V

Emergency battery pack option: add suffix "E"

Basic

BowShield's all white light shields subtly highlights architecture and wall motifs. This ADA design is especially well suited to hotel and office corridors. Ceramic White utilizes sandblasting and silk-screening on plain glass to create a soft, highly diffused glow of light. Rain, created by sandblasting and silk-screening textured glass, creates a fascinating texture, much like rain on a windowpane. Squares features silk-screening on both the inside and outside of the glass to give a unique, three-dimensional effect.

Features

ADA compliant, BowShield can be specified with compact fluorescent lamps and electronic ballasts to achieve superior energy efficiency for circulation spaces and other areas where lights are on continuously.

BowShield sconces feature a "bowed" piece of handcrafted glass that slips into a die-cast holder, creating a versatile range of forms, colors and textures for circulation areas and hospitality spaces.

Each style is offered in two proportions, scaled to circulation areas and hospitality spaces. The die-cast holders are offered in Satin Brass or Satin Nickel finishes.

There is a choice of Electronic, Dimmable Electronic ballasts, plus integral emergency battery pack.

All units are cULus listed, suitable for damp locations. Emergency units are UL listed, dry locations only.

Complete fixture consists of
Lightshield + Backplate assembly

(Example) Order each separately

40872	+	**40831U**
Rain		Universal Electronic Ballast 120-227V for 1 X 24/27W CFL, Satin Brass

BowShield

Wall mounted ADA

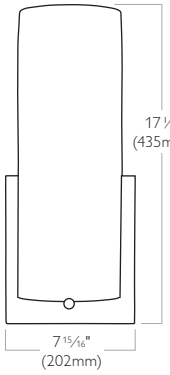
Lightshield

All products shown on Satin Nickel holder

Rain
40872 Rolled "Rain" pattern texture Lightshield silk-screened White/Clear

Squares
40866 3-dimensional "Squares" White/Clear silk-screened pattern

Ceramic White
40863 "Ceramic White" silk-screened and sandblasted



All Fixtures are ADA compliant. (4" maximum extension)

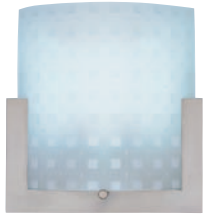
Backplate assemblies with lamp and ballast specifications

Catalog number		Lamp	Ballast	Voltage
Satin brass	**Satin nickel**			
	40832	2 X 60W T10 Incandescent	N/A	120
40831U	**40832U**	1 X 24/27W Twin CFL 4-Pin	Universal Electronic	120V-277V
		4-Pin 2G11 Base	**cULus Listed. Suitable for damp locations except integral emergency units. UL listed for dry locations.**	

Lightshield

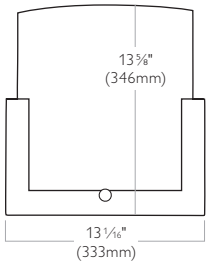
All products shown on Satin Nickel holder

Rain
40871 Rolled "Rain" pattern texture Lightshield Silk-screened White/Clear



Squares
40865 3-dimensional "Squares" White/Clear Silk-screened Pattern

Ceramic White
40862 "Ceramic White" silk-screened and sandblasted



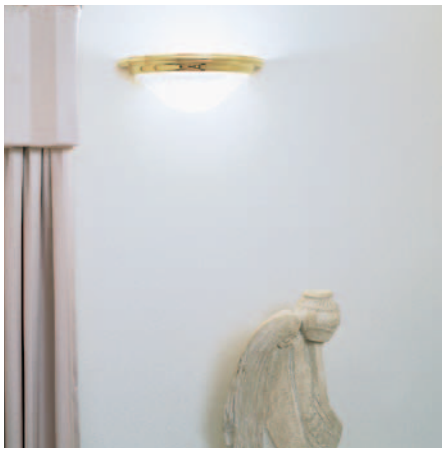
Total Fixture Height consists of Screen & Textured Glass

Backplate assemblies with lamp and ballast specifications

Catalog number		Lamp	Ballast	Voltage
Satin brass	**Satin nickel**			
40828	**40829**	2 X 60W T10 Incandescent	N/A	120
40828D1	**40829D1**	2 X 18W Twin CFL 4-Pin	Dimming electronic	120 (Advance Mark 10)
40828U	**40829U**	2 X 18W Twin CFL 4-Pin	Universal electronic	120V-277V
40828UEM	**40829UEM**	2 X 18W Twin CFL 4-Pin	Universal electronic	120V-277V*
		4-Pin G24q- 2 Base **2-Pin G24D- 2 Base**	***Integral emergency battery pack.** **cULus Listed. Suitable for damp locations except integral emergency units. UL listed for dry locations.**	

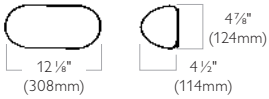
Pendalux, Opalux, Quartershere, Wall Sculpture

Wall mounted indirect



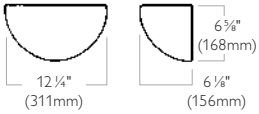
Opalux

Vertical or horizontal wall mount



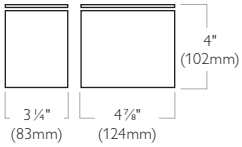
Cat. no.	Lamping
6348N	(2) A19 60W Max. Incandescent

Quartersphere



Cat. no.	Finish	Lamping
41010	White	(1) A21 150W Max. Incandescent
41010T1	White	(2) 13W Twin Tube 2-Pin Magnetic NPF 120V
41011		(1) T4 Halogen Mini Can 250W

Wall Sculpture



Cat. no.	Finish
4910PB	Polished brass
4910PC	Polished chrome

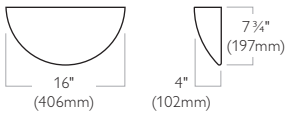
(1) KX2000 Mini Can 60W
(Philips Lightolier Cat. # 56977)

Cirrus ADA sconce luminaire

Universal Wattage 26/32/42W
Triple Tube Compact Fluorescent
Universal Voltage Electronic 120V-277V Ballast

Electrical options
(Replace "U" in Cat. no. with new Suffix)

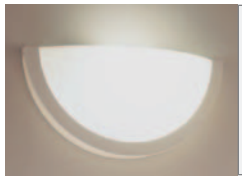
E3 = 347V (Canada)
MX1 = Mark x Dimming 26/32/42W, 120V only*
MX2 = Mark x Dimming 26/32/42W, 277V only*



Cat. no.	Finish	Complete Luminaire Dimensions
4AWA142AU	Acrylic injection molded diffuser Perforated steel top cover	Dia. 16" x Ht. 7¾" x Ext. 4"

*** 2-Wire neutral connection required at dimming control for mark iv dimming.**
Complete luminaire consists of chassis and diffuser.

Gemini companion sconce trim flange



Complete fixture consists of
Chassis/opal diffuser and Decorative flange
(Example) Order each separately

4AWA142AU + **4KWATRMPB**
Chassis/opal diffuser — Decorative flange

Cat. no.	Finish	Complete Luminaire Dimensions
4FWATRMPB	Polished brass	Dia. 17" x Ht. 8½" x Ext. 4"
4FWATRMSN	Satin nickel	Dia. 17" x Ht. 8½" x Ext. 4"
4FWATRMWH	Matte white	Dia. 17" x Ht. 8½" x Ext. 4"

Complete luminaire consists of chassis/diffuser and trim flange.
Order each separately.

Contemporary companion sconce trim flange

Complete fixture consists of
Chassis/opal diffuser and Decorative flange
(Example) Order each separately

4AWA142AU + **4KWATRMPB**
Chassis/opal diffuser — Decorative flange

Cat. no.	Finish	Complete Luminaire Dimensions
4KWATRMSB	Satin brass	Dia. 18" x Ht. 8½" x Ext. 4"
4KWATRMSN	Satin nickel	Dia. 18" x Ht. 8½" x Ext. 4"
4KWATRMWH	Matte white	Dia. 18" x Ht. 8½" x Ext. 4"

Complete luminaire consists of chassis/diffuser and trim flange.
Order each separately.

Traditional companion sconce trim flange

Complete fixture consists of
Chassis/opal diffuser and Decorative flange
(Example) Order each separately

4AWA142AU + **4RWATRMPB**
Chassis/opal diffuser — Decorative flange

Cat. no.	Finish	Complete Luminaire Dimensions
4RWATRMPB	Polished brass	Dia. 18" x Ht. 8½" x Ext. 4"
4RWATRMSB	Satin brass	Dia. 18" x Ht. 8½" x Ext. 4"

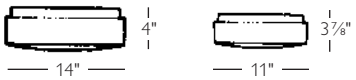
Complete Luminaire consists of Chassis/Diffuser and Trim Flange.
Order each separately.

Opalite, Discus

Surface utility

Contemporary, clean styling makes Discus Sconce a versatile luminaire for wall or ceiling mount. Double-convex injection-molded acrylic diffuser gently lights the ceiling, improving visual comfort. Twist-lock mounting; no loose fasteners, or the need for tools. Emergency Lighting option.

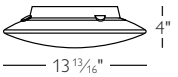
Opalite



Black Finish

Cat. no.	Description	Voltage
6790BK226U	(2) 26W Quad 4-Pin Electronic CFL	120-277V
6789BK213U	(2) 13W Quad 4-Pin Electronic CFL	120-277V

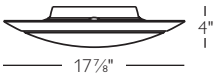
Discus



Matte Silver Finish

Cat. no.	Description	Voltage
6700MS213U	(2) 13W Quad 4-Pin Electronic	120-277V
6700MS22U	(1) 22W T-5 Circle Line Electronic	120-277V
6700S2UEM	(1) 22W T-5 Circle Line Electronic	120-277V EM Pack

Discus II



Matte Silver / Satin Aluminum Finish

Cat. no.	Description	Voltage
6706MS213U	(2) 13W Quad 4-Pin Electronic	120-277V
6706MS22U	(1) 22W T-5 Circle Line Electronic*	120-277V
6706S2UEM	(1) 22W T-5 Circle Line Electronic*	120-277V EM Pack

* Add at bottom of Discus. Discus is New York City Listed. Add "NY" to the end of the catalog number

Application data

Corridor lighting

Style

Opaline
Opalite
Lumidisc
Discus

Discus

Multiple fixtures

Lamp	Corridor Width 8' Height	Fixture Spacing O.C.	Average Initial Footcandles
(2) 13W Twin Tube	6'	12'	5
	9'	8'	6
(1) 38W-2D	6'	12'	8
	9'	8'	10

Footcandles values are initial and average and are on the floor. Reflectances: ceiling 80%, walls 50%, floor 20%.
Fixtures are mounted along center of ceiling.

Triplex, Lumidrum, Lumidisc, Lumiquad, Opaline

Surface utility

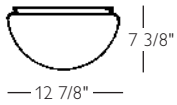
Triplex White opal diffuser is made of cased glass for optimum uniform brightness. Twist-lock fastening simplifies relamping resulting in sleek, clean profile.

Triplex

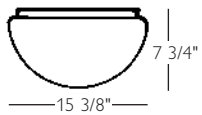
Opal Glass/Matte White

5000 (1) A19 75W Max. Incandescent
5001WH1182 (1) 18W Quad 4-Pin Electronic 120V-277V

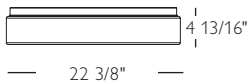
5002 (2) A19 60W Max. Incandescent
5003WH218U (2) 18W Quad 4-Pin Electronic 120V-277V



5004 (3) A19 60W Max. Incandescent
5005WH226U (2) 26W Quad 4-Pin Electronic 120V-277V



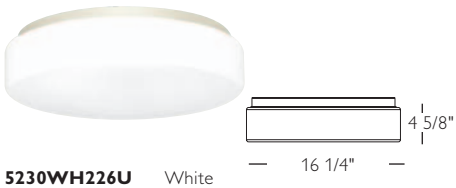
Lumidrum



5240WH239U White
(2) 36/39W Twin Tube 4-Pin Electronic 120V

5240WH326U White
(3) 26W Quad 4-Pin Electronic 120V-277V

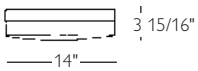
Options
Emergency Battery Pack: Add Suffix "E"



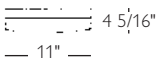
5230WH226U White
(2) 26W Quad 4-Pin Electronic 120V-277V

Options
Emergency battery pack: add suffix "E"

Lumidisc



6752WH226U White
(2) 26W Quad 4-Pin Electronic CFL 120V-277V

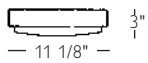


6750WH213U White
(2) 13W Quad 4-Pin Electronic CFL 120V-277V

Lumiquad

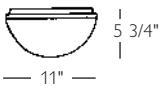
6783WH213N1 White
6783BZ213N1 Bronze
(2) 13W Twin Tube 2-Pin Magnetic NPF 120V

Lumironde



6731WH213N1 White
6731BK213N1 Black
(2) 13W Twin Tube 2-Pin Magnetic NPF 120V

Opaline



6618 Matte White
(1) A19 100W Max. Incandescent

6619U Matte White
(2) 13W Twin or Quad Tube 2-Pin Electronic CFL 120V-277V

6628U Matte White
(2) 18W Quad Tube 4-Pin Electronic CFL 120V-277V

Opaline trim rings

66PB Polished Brass Trim Ring
66SN Satin Nickel Trim Ring
66WH White Trim Ring

Application data

Lamp	Multiple Fixtures[1] Spacing	Multiple Fixtures[1] Footcandles	Single Fixture[2] Footcandles
(2) 36/39W	4	110	
Twin Tube	6	48	10
	8	19	
(3) 26W	4	102	
Quad Tube	6	45	9
	8	18	

[1]Multiple fixtures in 30 x 50 room
[2]Single fixture 12 x 12 room

Footcandle values are initial and average at 30 above the floor. Ceiling height 8 to 12. Reflectances: ceiling 80%, walls 50%, floor 20%.

Emergency battery pack - lighting data
(2) 26W Quad Tube = 700 Lumens
*(3) 26W Quad Tube = 700 Lumens
(2) 36/39W Twin Tube = 750 Lumens
* Operates only two lamps.

Lumironde, Luna, Lumiquad

Wall mounted ADA

Generous, efficient illumination for hallways and other circulation areas. Twist-lock acrylic diffuser.

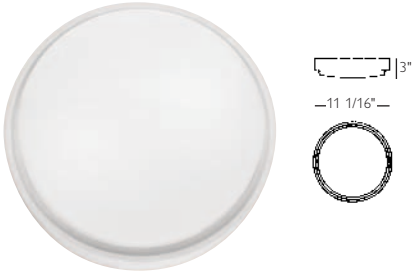
Lumironde

6737WH White
6738BK Black
(1) 13W Twin Tube 2-Pin
Magnetic NPF 120V

Luna

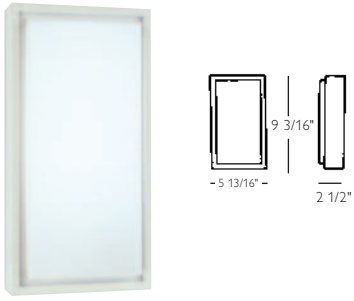
40620 White (1) A19 75W Max.
Incandescent 120V
40620U White (1) 26W Quad 4-Pin
Electronic 120V-277V

Lumironde



6731WH213N1 White
6731BK213N1 Black
(2) 13W Twin Tube 2-Pin
Magnetic NPF 120V

Lumiquad

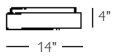


6580 White
(1) 13W Twin Tube 2-Pin
Magnetic NPF 120V

Opalite, Quadro, Alabaster

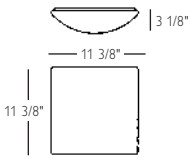
Wall mounted ADA

Opalite



6790BK226U Black
(2) 26W Quad 4-Pin
Electronic CFL 120V-277V

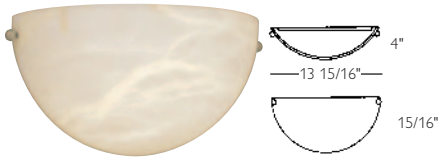
Quadro



40600U White (2) 13W Quad 4-Pin
Electronic 120V-277V

Alabaster

40614U + 72305



40614 + 72305

40614U (1) 26W Quad 4-Pin Electronic 120V-277V
Satin Nickel and Polished Brass – Backplate
40614 (1) 40W T-10, Incandescent, 120V
Satin Nickel and Polished Brass – Backplate
72305 Alabaster

Must order Backplate and Glass separately.

Complete fixture consists of
Alabaster + Backplate assembly
(Example) Order each separately

40614U	+	**72305**
Alabaster		Backplate

Matching Pendant page 6.84 .

Lytestream, Helios, Belmont, Deco

Bath

Lytestream
Provides downlight, uplight and spill light through translucent center strip. Choose incandescent with glass diffusers or fluorescent with acrylic.

Helios
Shatter-resistant, acrylic diffuser mounted on die-cast base. Single-ended compact fluorescent lamps provided more light and use less energy than incandescent. 2-light units can be wall mounted vertically or horizontally.

Belmont
Sleek wraparound acrylic diffuser gives glare-free illumination and is accented by crisply detailed die-cast spring-loaded end caps. Horizontal or vertical wall mounting only.

Deco
White bullnose acrylic diffuser with polished brass inserts. Fixture is accented by polished brass finished die-cast deco spring-loaded end caps. Horizontal or vertical wall mounting only.

UL listed. Suitable for damp locations.

Lytestream Fluorescent

Finish
Add suffix to cat. No.

PBU = Polished Brass
PCU = Polished Chrome
WHU = Matte White

Cat. no.	Lamp	Ballast	Voltage	Description
5403	(2) 25W T8	Electronic	120V-277V	L 36¾", H 3" , Ext 6$^{13}/_{32}$" .
5404	(2) 32W T8	Electronic	120V-277V	L 48¾", H 3" , Ext 6$^{13}/_{32}$" .
5405	(2) 40W T8	Electronic	120V-277V	L 60½", H 3" , Ext 6$^{13}/_{32}$" .

Helios

Finish
Add suffix to Cat. no.

PC = Polished Chrome
WH = Matte White

Cat. no.	Lamp	Ballast	Voltage	Description
5410	(1)18W Twin Tube 4-Pin 2G11 Base	Magnetic	120V	W 13¾", H 3$^{1}/_{16}$", Ext. 4⅞"
5411	(1)39W Twin Tube 4-Pin 2G11 Base	Magnetic	120V	W 19¾", H 3$^{1}/_{16}$", Ext. 4⅞"
5412*	(2)18W Twin Tube 4-Pin 2G11 Base	Magnetic	120V	W 24½", H 3$^{1}/_{16}$", Ext. 4⅞"

* May be mounted vertically or horizontally

5410 & **5411**
Vertical wall mount only

Belmont

Finish
Add suffix to Cat. no.

CHU = Polished Chrome
WHU = Matte White

Cat. no.	Lamp	Ballast	Voltage	Description
5491	(2) 17W T8	Electronic	120V-277V	L 24½", H 4⅝" , Ext 4⅝" .
5493	(2) 32W T8	Electronic	120V-277V	L 48½", H 4⅝" , Ext 4⅝" .

Deco

Finish
Add suffix to Cat. no.

PB = Polished Brass
PC = Polished Chrome

Cat. no.	Lamp	Ballast	Voltage	Description
5472	(2) 17W T8	Electronic	120V-277V	L 26½", H 4¾" , Ext 4¼"
5473	(2) 25W T8	Electronic	120V-277V	L 38½", H 4¾" , Ext 4¼"
5474	(2) 32W T8	Electronic	120V-277V	L 50½", H 4¾" , Ext 4¼"

Rounder, Mini-Bracelet

Bath

Good grooming starts with proper lighting at the mirror. The light should come from both sides as well as from above.

Bracelet

Finely detailed hand-pressed glass floats against brass or chrome mountings. Glass surrounds lamps for mounting above eye level without glare. All three sizes may be mounted horizontally or vertically. Dimmer recommended for enhanced performance.

Rounder

Blown opal glass gives even illumination without hot spots. Corrosion-resistant aluminum backplates suitable for damp locations.

Mini Bracelet

Elegant bath fixtures uniquely scaled to provide jewelry-like style with sophisticated performance. All sizes can be wall mounted horizontally or vertically. KX2000 candelabra based Krypton incandescent lamps (not included) allow close spacing resulting in a comfortable, luminous effect. Dimmer recommended for enhanced performance. ADA compliant.

UL listed. Suitable for damp locations.

Rounder

Cat. no.	Finish	Lamp	Description
4733	Satin Aluminum	(1) A19 60W Max	W 8", H 4 7/16", Ext. 5"
4734	Satin Aluminum	(2) A19 60W Max	W 16", H 4 7/16", Ext. 5"
4735	Satin Aluminum	(3) A19 60W Max	W 24, H 4 7/16", Ext. 5"

Arch Mini Bracelet

Finish
Add suffix to Cat. no.

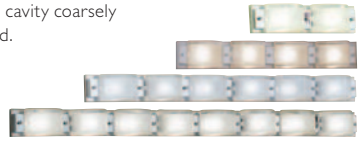
PB = Polished Brass
PC = Polished Chrome

Lamping
Order separately

56974 = Frosted
56975 = Clear

KX2000 Candelabra 40W, E12
Frosted lamps recommended

Handpressed clear glass with inside cavity coarsely sandblasted.



Cat. no.	Lamp	Description
44211	2 Light	W 13", H 3", Ext. 3"
44221	4 Light	W 24", H 3", Ext. 3"
44231	6 Light	W 36", H 3", Ext. 3"
44241	8 Light	W 47", H 3", Ext. 3"

Milan Mini Bracelet

Finish
Add suffix to Cat. no.

PB = Polished Brass
PC = Polished Chrome

Lamping
Order separately

56974 = Frosted
56975 = Clear

KX2000 Candelabra 40W, E12
Frosted lamps recommended

Handpressed in clear glass which is then etched.

Cat. no.	Lamp	Description
44212	2 Light	W 13", H 3", Ext. 2¼"
44222	4 Light	W 24", H 3", Ext. 2¼"
44232	6 Light	W 36", H 3", Ext. 2¼"
44242	8 Light	W 47", H 3", Ext. 2¼"

Baguet Mini Bracelet

Finish
Add suffix to Cat. no.

PB = Polished Brass
PC = Polished Chrome

Lamping
Order separately

56974 = Frosted
56975 = Clear

KX2000 Candelabra 40W, E12
Frosted lamps recommended

Handpressed etched glass with a clear center setting.

Cat. no.	Lamp	Description
44214	2 Light	W 13", H 3", Ext. 2½"
44224	4 Light	W 24", H 3", Ext. 2½"
44234	6 Light	W 36", H 3", Ext. 2½"
44244	8 Light	W 47", H 3", Ext. 2½"

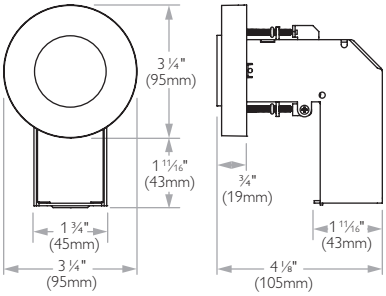
Wet location

Marker lights

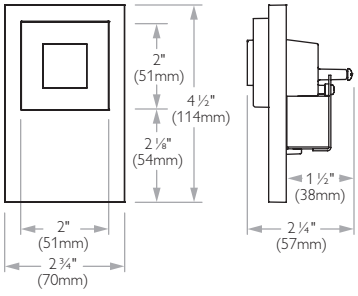
LED luminaire

The gentle glow of the marker lights provides a subtle visual enhancement ideal for indicating a feature pathway.

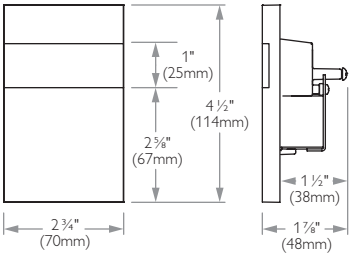
Round



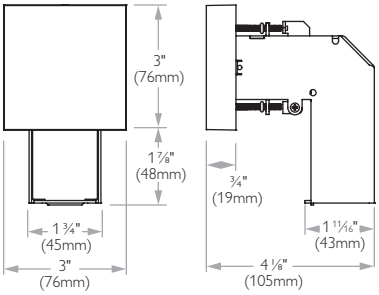
Pattern



Linear

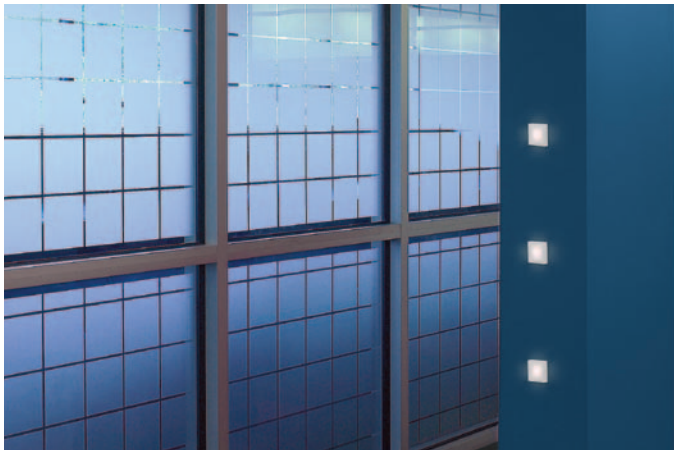


Square



Marker lights (wet location)

Cat. no.	Style	Finish	Watts	Volts
DML01WLW	Linear	Matte white	1W	120V-240V
DML01WLSA		Satin aluminum		
DMP01WLW	Pattern	Matte white		
DMP01WLSA		Satin aluminum		
DMR01WLSA	Round	Satin aluminum (center)		
DMS01WL	Square	Sandblasted acrylic		

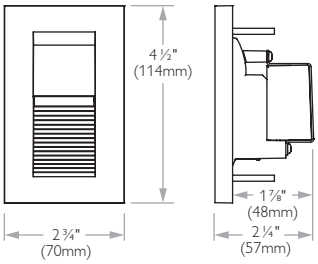


Step lights

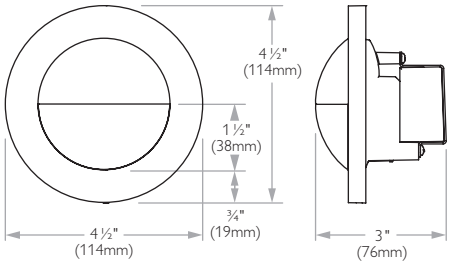
LED luminaire

Step lights provide a clean and finished aesthetic for your contemporary design while providing functional pathway lighting.

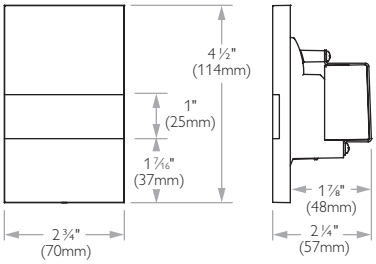
Shielded



Round



Linear

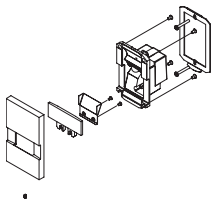


Step lights (wet location)

Cat. no.	Style	Finish	Watts	Volts
DSL01WLW	Linear	Matte white	4W	120V-240V
DSL01WLSA		Satin aluminum		
DSR01WLW	Round	Matte white		
DSR01WLSA		Satin aluminum		
WLW	Shielded	Matte white		
DSS01WLSA		Satin aluminum		
DSS01WLWAM	Amber shielded	Matte white		
DSS01SALSAAM		Satin aluminum		

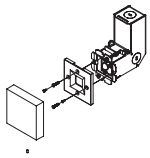
Step & Marker lights mounting assembly

Philips Lightolier's solid-state step and marker luminaires utilize near-UV LEDS which, when combined with triphosphors, produce a system which peaks in efficiency in the warm whites. These products are available in a variety of aesthetically pleasing round and rectangular styles. Rectangular versions contain integral drivers and most designs mount into a standard size deep switch box.



Typical assembly

Illustrated here with **DSL01** facebox



Custom mounting assembly

Illustrated here with **DMS01**

Features

Wet location applicable Vio high power LED is a 4W LED system for the Step application (1W LED system for the Marker application) providing a uniform comfortable glow of warm white (3000K <100 Kelvin color shift over 50,000 hours). These products are mercury-free, ROHS compliant, and have 50,000 rated life with 70% lumen maintenance.

Made out of die-cast aluminum, the heat sink housing is thermally designed to reduce junction temperature which maintain the light output, color and life.

The lenses of Step and Marker luminaires are not only designed to control the glare and distribute a comfortable glow to your path way but also to add elegant visual interest that will aesthetically punctuate spaces. Some Markers such as DNS01 offer a neutral look by being mostly lens and not having any visible hardware; allowing a wider range of applications from conventional to contemporary spaces.

The mounting system is designed so no custom installation is required. All Markers and Steps are ready to be installed in any regular deep single-gang switch junction box 18" AFF (above finish floor); except for DMS01 and DMR01 as shown above, ship with their junction box.

cULus listed for dry location only.

Arco, Lumironde & Lumiquad

Indoor/outdoor wall

Ruggedly constructed fixtures ideally suited to walkways, exterior walls and interior halls.

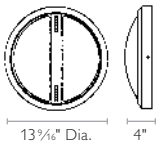
Ballast options key

On units noted, specify compact fluorescent by adding ballast option suffix to catalog number.

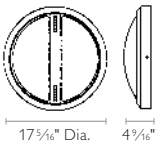
N1	NPF Magnetic	120V
N2	NPF Magnetic	277V
H1	HPF Magnetic	120V
H2	HPF Magnetic	277V
E1	Electronic	120V
E2	Electronic	277V

***UL Listed:** Suitable for wet location
7W lamp rated to start at 0° F
9W lamp rated to start at 25° F
13W lamp rated to start at 32° F

Arco round



4532 Wall mount only. ADA Compliant.

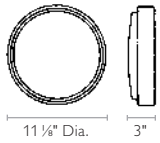


4533 Wall mount only.

Fluorescent

Cat. no.	Finish	Lamp	Ballast	Voltage	Ballast Options
4532WHN1	White	(2) 13W* Twin Tube 2-Pin	Magnetic NPF	120V	H1, H2
4532BKN1	Black				
4533WHH1	White	(2) 26W Quad 2-Pin	Magnetic HPF	120V	H2, E1, E2
4533BKH1	Black				

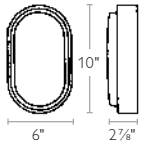
Lumironde



Ceiling or wall mount. ADA Compliant.

Fluorescent

Cat. no.	Finish	Lamp	Ballast	Voltage
6731WH213N1	White	(2) 13W* Twin Tube 2-pin	Magnetic NPF	120V
6731BK213N1	Black			



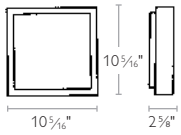
Wall mount only. ADA Compliant.

Fluorescent

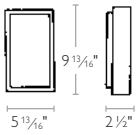
Cat. no.	Finish	Lamp	Ballast	Voltage
6737WH	White	(1) 13W* Twin Tube 2-Pin	Magnetic NPF	120V
6738BK	Black			

Lumiquad

Ceiling or wall mount. ADA Compliant.



Ceiling or wall mount. ADA Compliant.



Fluorescent

Cat. no.	Finish	Lamp	Ballast	Voltage
6783WH213N1	White	(2) 13W* Twin Tube 2-pin	Magnetic NPF	120V
6783BZ213N1	Bronze			

Fluorescent

Cat. no.	Finish	Lamp	Ballast	Voltage
6580	White	(2) 13W* Twin Tube 2-pin	Magnetic NPF	120V

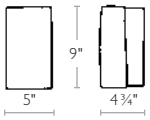
Opalex, Bristol, Lumilyte & Lumicap

Indoor/outdoor wall

Ruggedly constructed fixtures ideally suited to walkways, exterior walls and interior halls.

Opalex

Wall or ceiling mount.

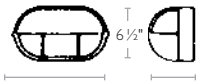


Incandescent

Cat. no.	Finish	Lamp
6776	Black	(1) A19 75W Max

Bristol

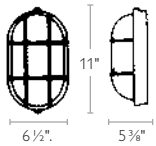
Horizontal wall mount only.



Incandescent

Cat. no.	Finish	Lamp
4833WH	White	(1) A19 100W Max
4809BK	Black	

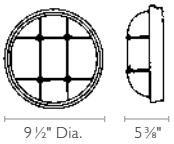
Horizontal or vertical wall mount only.



Incandescent

Cat. no.	Finish	Lamp
3652WH	White	(1) A19 100W Max
3651BZ	Bronze	
3660BK	Black	

Wall mount only.



Incandescent

Cat. no.	Finish	Lamp
3655WH	White	(1) A19 100W Max
3654BZ	Bronze	
3663BK	Black	

Ballast options key

On units noted, specify compact fluorescent by adding ballast option suffix to catalog number.

N1	NPF Magnetic	120V
N2	NPF Magnetic	277V
H1	HPF Magnetic	120V
H2	HPF Magnetic	277V
E1	Electronic	120V
E2	Electronic	277V

***UL Listed:** Suitable for wet location
7W lamp rated to start at 0° F
9W lamp rated to start at 25° F
13W lamp rated to start at 32° F

Fluorescent

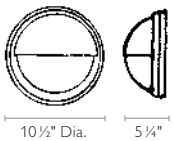
Cat. no.	Finish	Lamp	Ballast	Voltage
3622WH	White	(2) 7W or 9W* Twin Tube 2-Pin	Magnetic NPF	120V
3621BZ	Bronze			
3610BK	Black			

Fluorescent

Cat. no.	Finish	Lamp	Ballast	Voltage
3625WH	White	(2) 7W or 9W* Twin Tube 2-Pin	Magnetic NPF	120V
3624BZ	Bronze			
3613BK	Black			

Lumilyte

Wall mount only



Incandescent

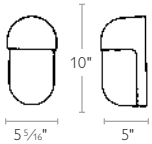
Cat. no.	Finish	Lamp
6560WH	White	(1) A19 75W Max
6561BZ	Bronze	
6562BK	Black	

Fluorescent

Cat. no.	Finish	Lamp	Ballast	Voltage
6566WH	White	(2) 9W* Twin Tube 2-Pin	Magnetic NPF	120V
6567BZ	Bronze			
6568BK	Black			

Lumicap

Wall mount only

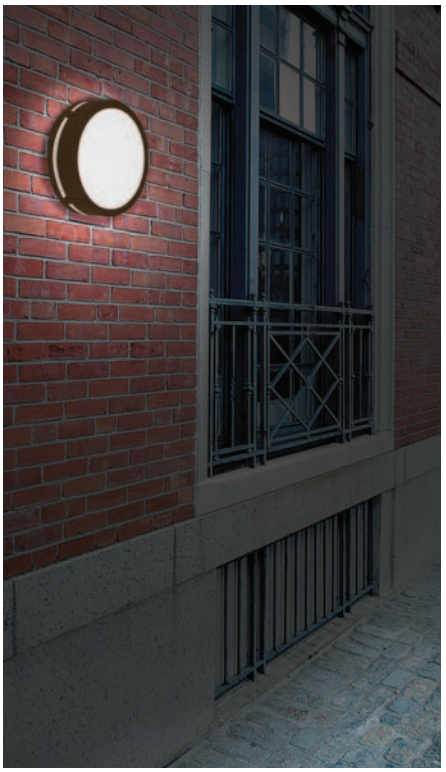


Incandescent

Cat. no.	Finish	Lamp
6585	White	(1) A19 75W Max
6582	Bronze	

Fluorescent

Cat. no.	Finish	Lamp	Ballast	Voltage
6586	White	(2) 9W* Twin Tube 2-Pin	Magnetic NPF	120V
6584	Bronze			

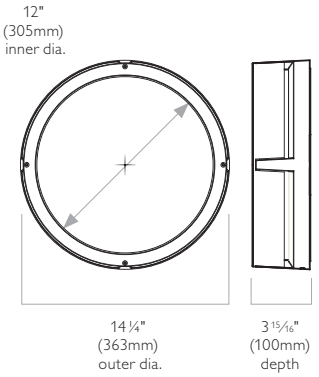


EFix

Outdoor/indoor architectural decorative

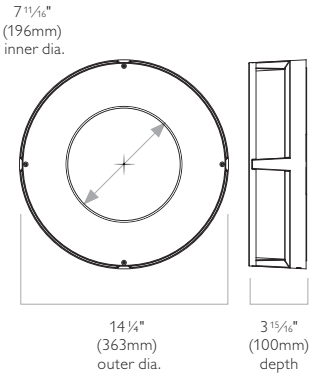
EFix Wall-mounted fixtures feature a sophisticated, robust architectural design. The high-quality finishes make it the perfect fit for both outdoor and indoor environments. EFix Wall-mounted consists of four easy-to-install round or square versions, providing direct light or a combination of direct and indirect light. The range has been developed around energy-saving compact fluorescent and state-of-the-art HFP electronic ballasts and is approved for IP65 and IK10 environments.

EFX1



Cat. no.	Color	Lamp	Voltage
EFX1122MSU	Matte silver	(1) 22W T5 Circline	120V-277V
EFX1122WHU	Matte white		
EFX1122BZU	Matte bronze		
EFX1218MSU	Matte silver	(2) 18W Quad Tube	120V-277V
EFX1218WHU	Matte white		
EFX1218BZU	Matte bronze		
EFX1126MSU	Matte silver	(1) 26W Quad Tube	120V-277V
EFX1126WHU	Matte white		
EFX1126BZU	Matte bronze		
EFX1126MSUEM*	Matte silver	(1) 26W Quad Tube	120V-277V
EFX1126WHUEM*	Matte white		
EFX1126BZUEM*	Matte bronze		

EFX2



Cat. no.	Color	Lamp	Voltage
EFX2122MSU	Matte silver	(1) 22W T5 Circline	120V-277V
EFX2122WHU	Matte white		
FX2122BZU	Matte bronze		
EFX2218MSU	Matte silver	(2) 18W Quad Tube	120V-277V
EFX2218WHU	Matte white		
EFX2218BZU	Matte bronze		
EFX2126MSU	Matte silver	(1) 26W Quad Tube	120V-277V
EFX2126WHU	Matte white		
EFX2126BZU	Matte bronze		
EFX2126MSUEM*	Matte silver	(1) 26W Quad Tube	120V-277V
EFX2126WHUEM*	Matte white		
EFX2126BZUEM*	Matte bronze		

* Emergency: Integral Bodine CF94 emergency battery pack, test switch and light.

EFix

Outdoor/indoor architectural decorative

Round EFix lamping (by others)

Lamp Type	General Electric	Osram Sylvania	Philips
22W 4-Pin T5 Circline Linear Fluorescent Lamp	–	FPC22/*	TL5C 22W/*
18W 4-Pin Quad Tube Compact Fluorescent Lamp	F18DBX/*/ECO4P	CF18DD/E/*/ECO	PL-C 18W/*/4P/ALTO
26W 4-Pin Quad Tube Compact Fluorescent Lamp	F26DBX/*/ECO4P	CF26DD/E/*/ECO	PL-C 26W/*/4P/ALTO

* Manufacturers color temperature designation

Ballast	22 Watt		18 Watt		26 Watt	
Voltage	120	277	120	277	120	277
Total Input Watts	27	25	39	39	29	29
Max. Line Current (Amps)	.23	.09	.33	.14	.24	.11

Compact fluorescent lampholders

18W & 26W Quad Tube: G24Xq-2 (18W) and G24Xq-3 (26W) Base, High Impact Thermoset Polymer with Brass Contacts.

Linear fluorescent lampholders

22W T5 Circline: 2GX13 Base, High Thermoset Polymer with Brass Contacts.

Specifications

Housing: Die cast Aluminum

Ballast and socket mounting plate: 18 GA stamped steel

Diffuser: Opal polycarbonate

Finish: Matte White, Matte Silver or Matte Bronze polyester powdercoat

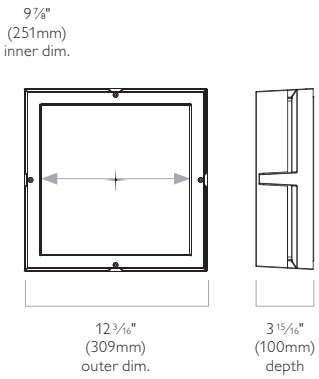
Emergency: Integral Bodine CF94 emergency battery pack, test switch and light

Tamper resistant option: Ships standard with (4) phillips head screws and (4) torx screws to allow for tamper proof installation.

Labels

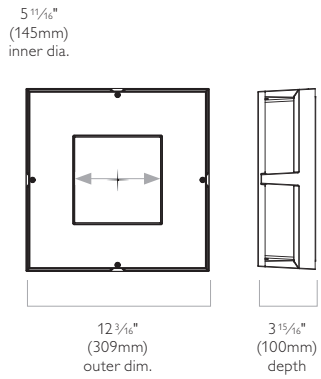
cULus Listed. Suitable for wet Locations.

EFX3



Cat. no.	Color	Lamp	Voltage
EFX3122MSU	Matte silver	(1) 22W T5 Circline	120V-277V
EFX3122WHU	Matte white		
EFX3122BZU	Matte bronze		
EFX3218MSU	Matte silver	(2) 18W Quad Tube	120V-277V
EFX3218WHU	Matte white		
EFX3218BZU	Matte bronze		
EFX3126MSU	Matte silver	(1) 26W Quad Tube	120V-277V
EFX3126WHU	Matte white		
EFX3126BZU	Matte bronze		
EFX3126MSUEM*	Matte silver	(1) 26W Quad Tube	120V-277V
EFX3126WHUEM*	Matte white		
EFX3126BZUEM*	Matte bronze		

EFX4



Cat. no.	Color	Lamp	Voltage
EFX4122MSU	Matte silver	(1) 22W T5 Circline	120V-277V
EFX4122WHU	Matte white		
EFX4122BZU	Matte bronze		
EFX4218MSU	Matte silver	(2) 18W Quad Tube	120V-277V
EFX4218WHU	Matte white		
EFX4218BZU	Matte bronze		
EFX4126MSU	Matte silver	(1) 26W Quad Tube	120V-277V
EFX4126WHU	Matte white		
EFX4126BZU	Matte bronze		
EFX4126MSUEM*	Matte silver	(1) 26W Quad Tube	120V-277V
EFX4126WHUEM*	Matte white		
EFX4126BZUEM*	Matte bronze		

* Emergency: Integral Bodine CF94 emergency battery pack, test switch and light.

Local area task and display

Section 7

PROPOSED
OFFICE BUILDING
T.O.C=101.5
C.F=93.5
6
SIDEWALK

Localized lighting that is simple, efficient, and integrated.

Ardee Lighting's catalog is a comprehensive look at our wide range of high quality functional and decorative lighting fixtures which can be combined to create a multitude of lighting effects for all applications.

Quality materials, the latest lamp technology, intelligent designs and unsurpassed service to the professional. Ardee Lighting… Pioneering the future of lighting.

Contents

Pristine > 7.2
Lytegem > 7.4
Magnetic Track > 7.5
LLP100 > 7.6
LLP200 > 7.7
MIC100 > 7.8
ADJ100 > 7.9
Linear Ultra Slimlite > 7.10
LuxBar > 7.18
Taskmaster > 7.42
Low voltage power supplies > 7.46

Pristine

T2 Task lighting

Thin in profile, energy efficient, superb optical performance

Pristine

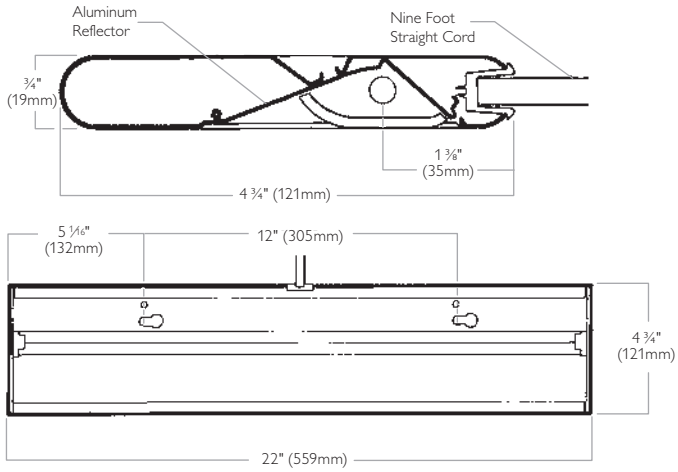
T2 Task lighting

Features

- Architecturally pleasing rounded slim profile only 3/4" deep x 4 3/4" wide.
- Provides median foot candle level of 55 on 2' x 5' desk top.
- Prismatic acrylic spread lens.
- Flush push button switch.
- Electronic program start <10 THD ballast.
- Lamp T2 13W, CRI= 80, color temperature 3500K, lamp is included.
- Nine foot straight black cord.
- Baked pewter polyester enamel finish for cord and plug.
- Baked white polyester enamel finish for hardwire option.
- Meets New York City requirements for task lighting.

Please consult factory for any further options.

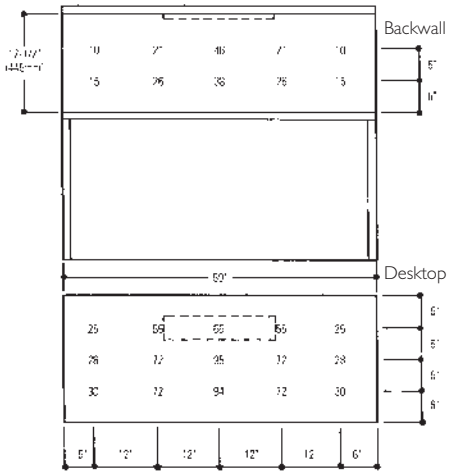
Pristine



Ordering information

Type	Color	Length	Lamp qty–type	Lamp watts	Catalog No.
Pristine one lamp with cord and plug	Pewter	22"	1-T2	13W	**PC2P13T2120PTCPB**
Pristine one lamp with chicago style plug	Pewter	22"	1-T2	13W	**PC2P13T2120PTCPBCH**

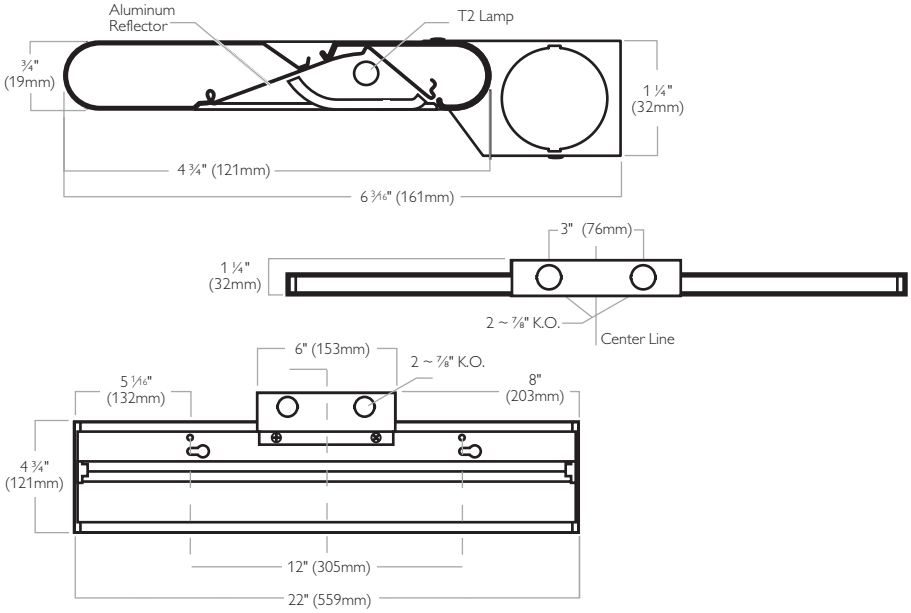
Pristine Footcandle Readings



Pristine

Hard wire series

Pristine



Ordering information

Type	Color	Length	Lamp qty–type	Lamp watts	Catalog No.
Pristine one lamp hardwire	White	22"	1-T2	13W	**PC2W13T2120PTHW**

Lytegem

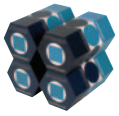
Features

- Ideal for reading and computer use.
- Multigroove anti-glare band.
- Adjustable telescoping arm and rotating shade.
- Can be wall mounted. (bracket and hardware included)
- Dimensions: 2½" square cube, telescopes to 15" height, 7'5" polarized cord.
- Listing: cUL listed.
- Hi-low switch for 2 levels of illumination.
- 12V 25W automotive bulb. (extra bulb included)

Ordering info

Incandescent model	Base color	Shade color
8000	White	White
8001	Black	Black
8005	Gunmetal	Persimmon

Description

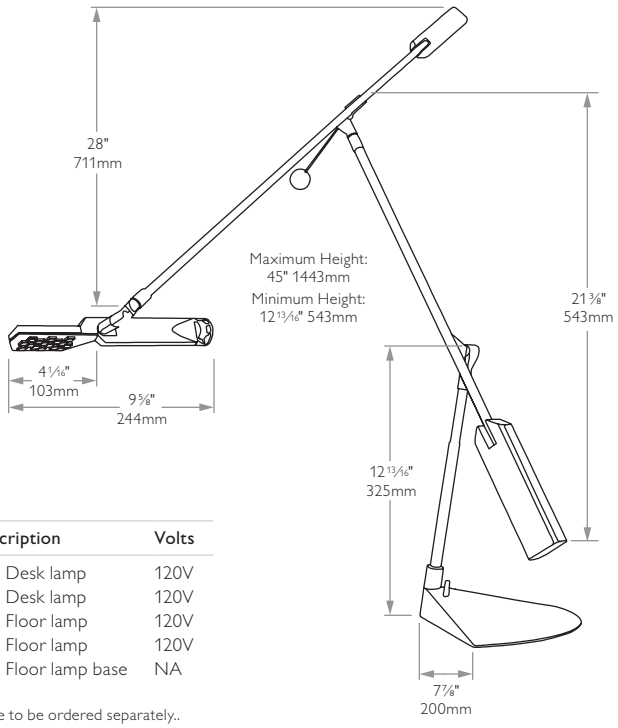


Designed for Lightolier in 1965 by Michael Lax, the Lytegem is part of the permanent collection of New York's Museum of Modern Art.

Halley

Designed for Lightolier in 1965 by Michael Lax, the Lytegem is part of the permanent collection of New York's Museum of Modern Art.

Designer oriented LED portable task light that provides smooth even illumination at 15W maximum input power. Each unit has integral dimming capability and is fully adjustable for maximum user comfort including a rotating head that provides multidimensional shielding capabilities. Halley was designed by world renowned Industrial Designer Richard Sapper.



Ordering info

Cat. no.	Finish	Description	Volts
LL-HDBK	Black	LED Desk lamp	120V
LL-HDSL	Silver	LED Desk lamp	120V
LL-HFBK	Black	LED Floor lamp	120V
LL-HFSL	Silver	LED Floor lamp	120V
LL-HFBKB	Black	LED Floor lamp base	NA

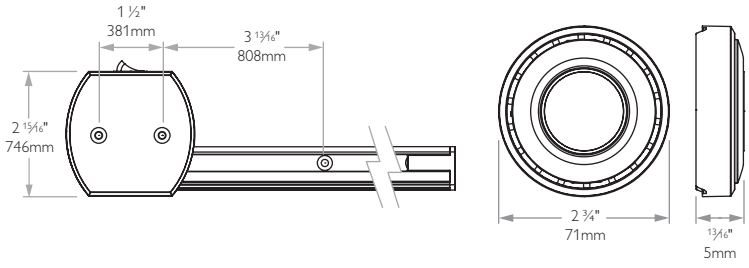
* The floor lamps require the base to be ordered separately..

Magnetic Track

LED Undercabinet lighting

The innovative Magnetic Track system utilizes interchangeable light modules with a smooth, wide distribution. This extremely flexible system allows changing the location, distribution and intensity of the light as the modules can easily be moved, added, or removed.

Magnetic track



Adjustable

Cat. no.	Finish	Description	Watts	Volts
CS100AL*	Matte aluminum	5' Track with switch	NA	24V DC
CS101AL*	Matte aluminum	Magnetic light module	4W	24V DC
LED-RPS-50	Matte black (Remote power supply)	Remote power supply	50W max	120V

* Remote power supply required, see specification sheet for details.

LLP100

LED Undercabinet lighting

With ambient light levels becoming increasingly lower in today's office environment, undercabinet task lighting is becoming an important alternative light source for lighting the desk and back walls underneath overhead cabinets. Philips Lightolier has a broad offering of products to meet your undercabinet lighting needs including an all new line of LED Undercabinet Products that combine exceptionally long life with a slim, architecturally pleasing appearance.

Description

Linear low profile LED undercabinet light with cord & plug.

- Slim, architecturally pleasing shape.
- Ultra low profile ¾" depth x 4¼" wide.
- 14x1watt LED light sources for exceptionally long life.
- LEDs angled to provide asymmetrical distribution.
- Mini on/off rocker switch on front of unit.
- 10ft long power cord with grounded plug can be positioned at either end of unit.
- Integral low profile power supply with onboard drivers. 120V.

Features

Materials: Extruded aluminum body.

Finish: Matte Black or Aluminum baked enamel.

Lamps: 14x1watt LEDs. Color temp – 3300K.

Max connected load: 20watts.

Diffuser: Clear polycarbonate protective lens.

Electrical: Max connected load – 20watts per unit.

Wiring: 10ft cord with grounded plug. 120V only.

Switching: Mini on/off rocker switch on front of feed.

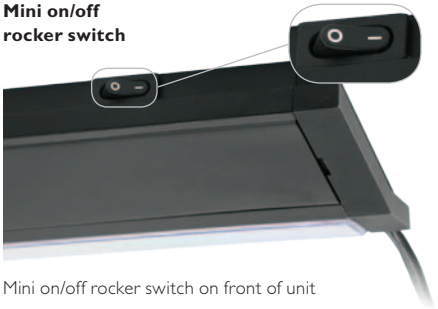
Driver: Low profile power supply with onboard drivers.

Mounting: Keyhole slots for screw-mounting. (screws not included)

Listing: cUL listed.

LLP100

Mini on/off rocker switch

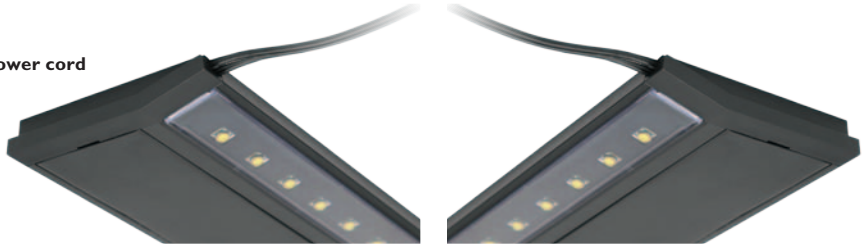


Mini on/off rocker switch on front of unit

Cord and plug

Cat. no.;	Finish	Description	Volts
LLP100AL	Matte aluminum	18W	120V
LLP100BK	Matte black	(23W max.)	

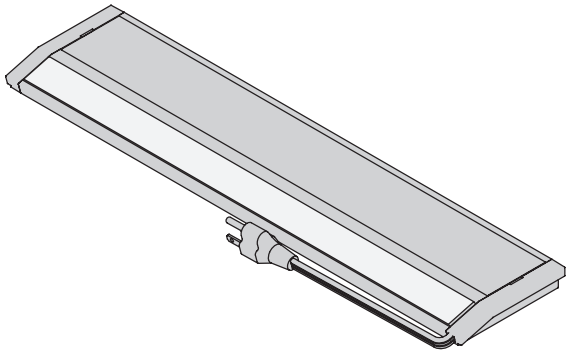
Power cord



Power cord can be positioned in field to be left or right feed

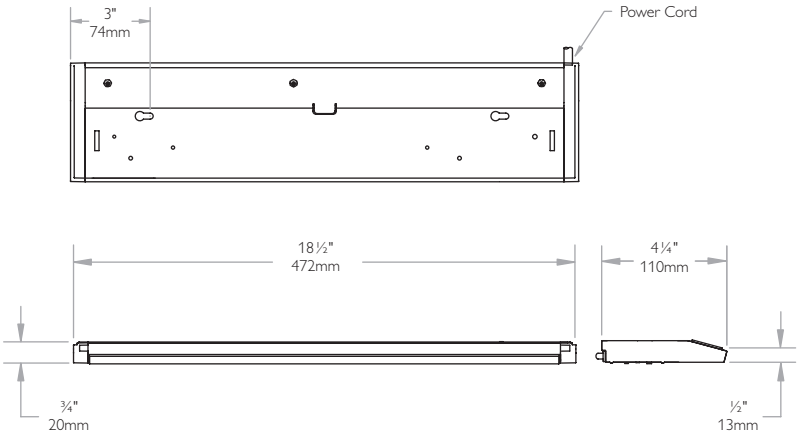
Assembly

Power & joiner module



Dimensions

Power module

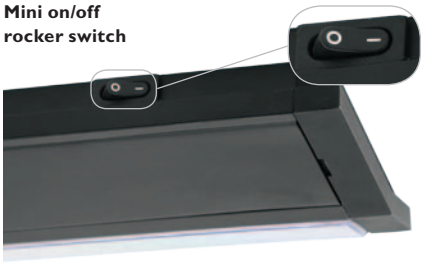


LLP200

LED Undercabinet lighting

LLP200

Mini on/off rocker switch



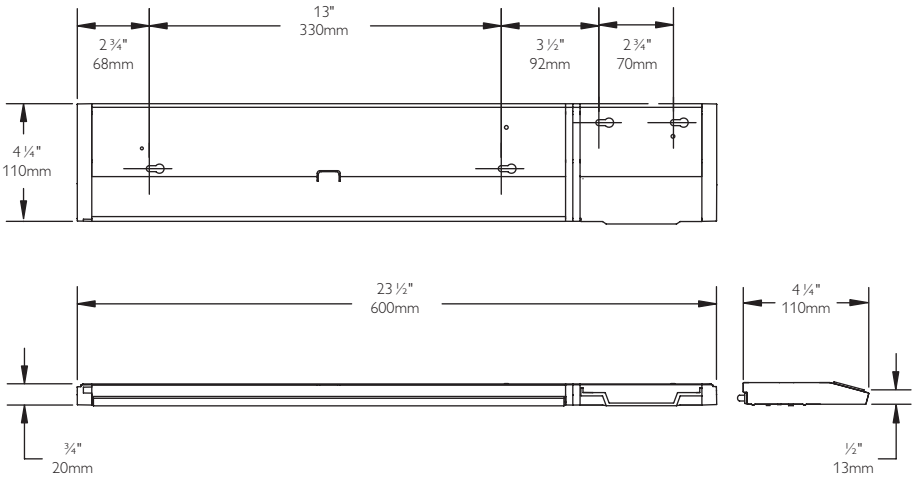
Mini on/off rocker switch on front of unit

Hardwire

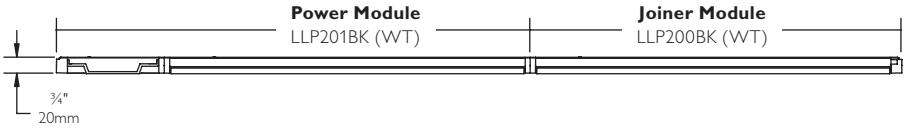
Cat. no.	Finish	Description	Volts
LLP200WH	White joiner		
LLP200BK	Black joiner	18W	120V
LLP201WH	White power unit	(23W max.)	
LLP201BK	Black power unit		

Dimensions

Power module

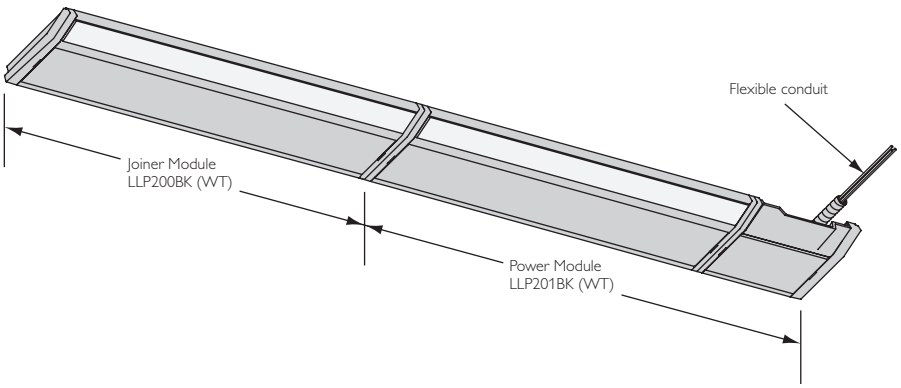


Power & joiner module



Assembly

Power & joiner module



Description

Linear low profile LED Undercabinet light the hardwired version.

- Slim, architecturally pleasing shape.
- Ultra low profile ¾" depth x 4 ¼" wide.
- 14x1watt LED light sources for exceptionally long life.
- LEDs angled to provide asymmetrical distribution.
- Continuous row mounting – additional Joiner Units can be added on either end.
- Integral low profile power supply with onboard drivers. 120V.
- Mini on/off rocker switch on front of feed unit to switch all attached units.
- Dimming: Units can be dimmed with 0-10V dimmers.

Features

Materials: Extruded aluminum body.

Diffuser: Clear polycarbonate protective lens.

Finish: Matte Black or White baked enamel.

Lamps: 14x1watt LEDs. Color temp – 3300K.

Electrical: Max connected load – 20watts per unit.

Wiring: Prewired 4ft long 5/16" 3-wire flex for hardwiring. 120V only.

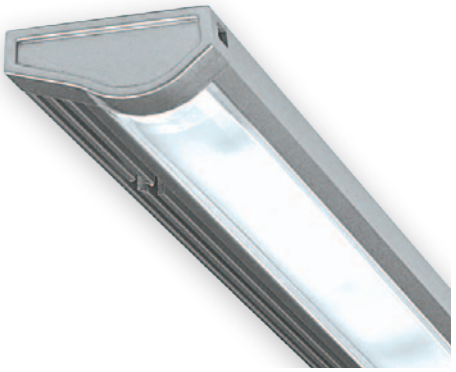
Switching: Mini on/off rocker switch on front of feed.

Dimming: Units can be dimmed with 0-10V dimmers.

Driver: Low profile power supply with onboard drivers.

Mounting: Keyhole slots for screw-mounting. (screws not included)

Listing: cUL listed.



MIC100

LED Undercabinet lighting

Description

Micro LED undercabinet light.

- Slim, architecturally pleasing shape.
- Ultra low profile ¾" depth x 1 ¾" wide.
- 6x1watt LED light sources for exceptionally long life.
- LEDs angled to provide asymmetrical distribution.
- Continuous row mounting – up to 5 units can be powered by the same power supply.
- Remote low profile power supply. 120V.
- Aluminum or black finishes.

Features

Materials: Extruded aluminum body.

Diffuser: Clear polycarbonate protective lens.

Finish: Matte Black or Aluminum baked enamel.

Lamps: 6x1watt LEDs. Color temp – 3300K.

Electrical: Max connected load – 50watts per power supply.

Wiring: Micro unit prewired 6ft long wire for connecting to power supply. Power supply prewired with 10ft cord and grounded plug. 120V only.

Power Supply: Low profile remote power supply.

Mounting: Pre-drilled holes for screw-mounting. (screws not included)

Listing: cUL listed.

Micro

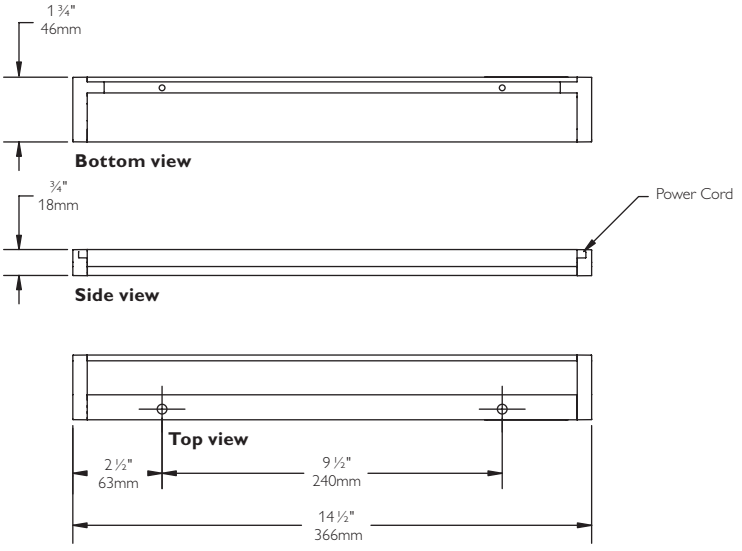
Micro

Cat. no.	Finish	Description	Volts
MIC100AL*	Matte aluminum	10W	24V DC
MIC100BK*	Matte black	10W	24V DC
LED-RPS-50	Matte black (Remote power supply)	50W max	120V

* Remote power supply required, see specification sheet for details.

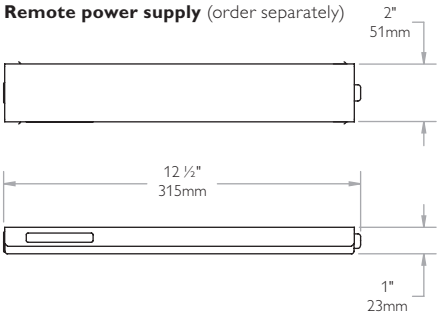
Dimensions

Micro unit



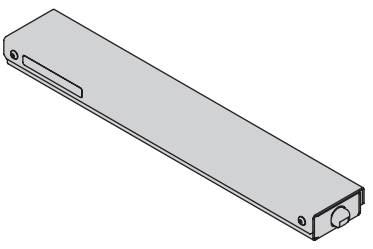
Dimensions

Remote power supply (order separately)



Assembly

Remote power supply (order separately)



ADJ100

LED Undercabinet lighting

Adjustable

Adjustable

Cat. no.	Finish	Description	Volts
ADJ100AL*	Matte aluminum	18W (23W max)	24V DC
ADJ100BK*	Matte black	18W (23W max)	24V DC
LED-RPS-50	Matte black (Remote power supply)	50W	120V

* Remote power supply required, see specification sheet for details.

Description

Adjustable LED undercabinet/case light.

- Slim, architecturally pleasing shape.
- Ultra low profile.
- Pivots 180° around mounting bracket.
- 14x1watt LED light sources for exceptionally long life.
- Up to 2 units can be powered by the same power supply.
- Remote low profile power supply. 120V.
- Aluminum or black finishes.

Features

Materials: Extruded aluminum body.

Diffuser: Clear polycarbonate protective lens.

Finish: Matte Black or Aluminum baked enamel.

Lamps: 14x1watt LEDs. Color temp – 3300K.

Electrical: Max connected load – 50watts per power supply.

Wiring: Each ADJ unit provided with 10ft long leads for connecting to power supply. Power supply prewired with 10ft cord & grounded plug. 120V only.

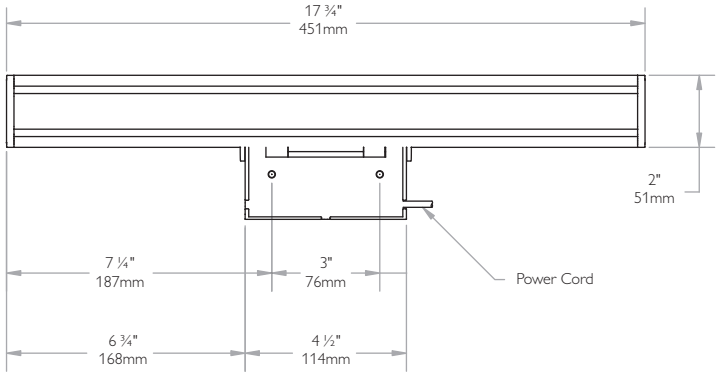
Power Supply: Low profile remote power supply.

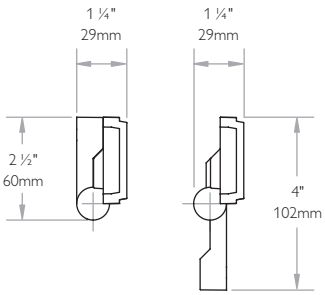
Mounting: Predrilled holes for screw-mounting. (screws not included)

Listing: cUL listed.

Dimensions

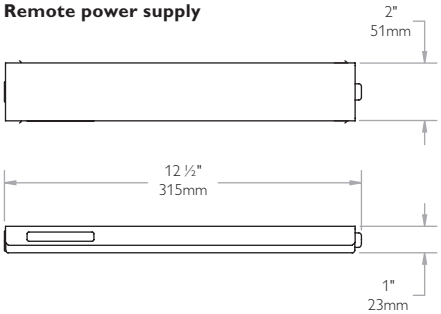
Micro unit





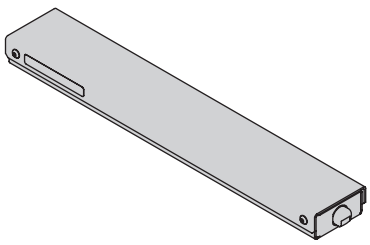
Dimensions

Remote power supply



Assembly

Remote power supply

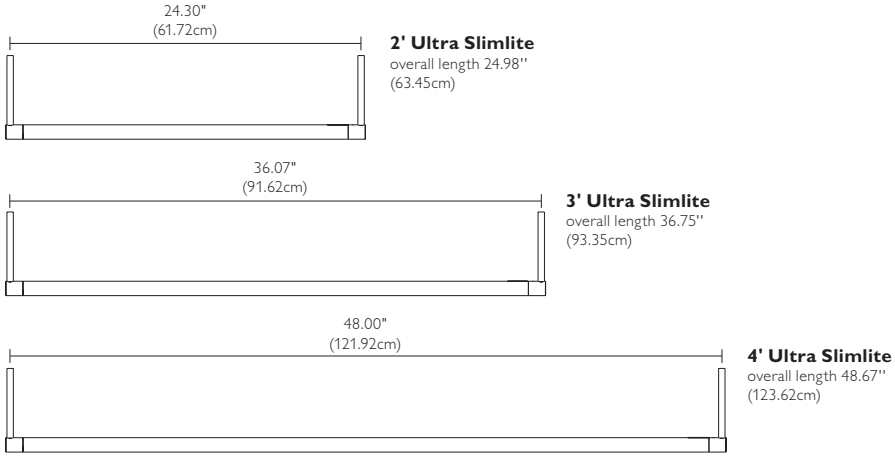


Ultra Slimlite

Highly efficient with versatile configurability, Ultra Slimlite offers lightweight aluminum construction with a compact, low-profile body design, measuring 1.125." Its versatility is its ability to mount in any orientation for any application, making it a smart choice for commercial, retail, and office environments.

Fixture length

Ultra Slimlite may be specified in 2', 3' and 4' foot lengths.



- Low profile fluorescent fixture constructed of 1.125" extruded aluminum tube
- Designed exclusively for T5 lamps
- Available in 2, 3 and 4 foot lengths
- Snap-in diffuser is available in 3 styles
- May be mounted in any orientation
- Unique design allows the lamp tube to swivel 330 degrees
- Stem is constructed of a 0.50" metal tube and may be specified in five increments up to 30" in length

Dimension depicts on-center measurement for mounting.

Ordering code

Sample order code
USL4-12-S-S-1-R-N-A

Ordering code USL3 – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

Fixture

USL2	USL3	USL4
2' Ultra Slimlite	3' Ultra Slimlite	4' Ultra Slimlite

Stem*

6"	12"	18"	24"	30"

*Maximum length for wall mount is 18"

Bays

S	M
Single/Starter	Multi-bay

Lamp/ballast

S	H
Standard T5	T5 High output

Voltage

1	2
120V	277V

Canopy

B	R	S
4.5"x 6.5" with Integral ballast	2" Round with remote ballast	4" Square with remote ballast

Lens**

N	C	P	O
No lens	Clear	Prismatic acrylic	White opaque

Finish

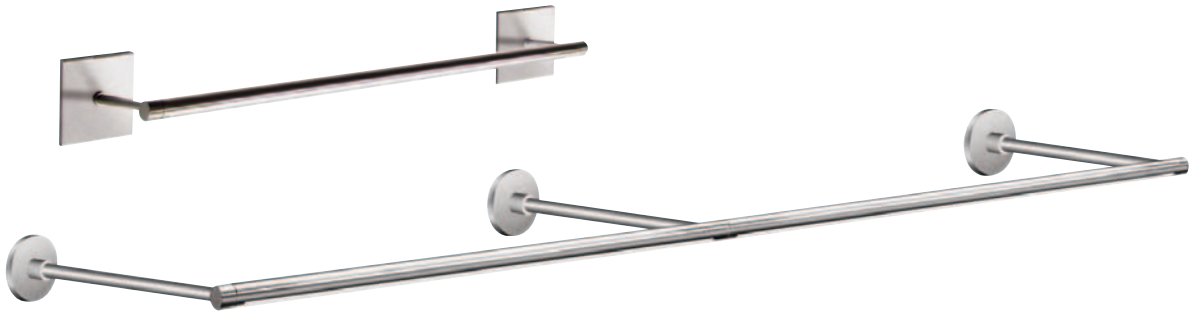
A	N	R
Aluminum	Nickel	Bronze

**Lens option available with standard T5 lamp only.

Stem length

With its smooth linear design, Ultra Slimlite conveys modern architectural elegance in a fluorescent fixture that is both compact and discreet. Its assortment of options and lightweight construction offer unmatched versatility. Ultra Slimlite can be used in any application to accommodate the creative requirements of today's designer.

Ultra Slimlite can be mounted in any orientation and is available with five standard, field adjustable stem lengths. Stem length is measured from the mounting surface to the back of the fixture. Select from one of the standard lengths or contact the factory for a custom stem length. Stem is constructed from 0.50"Ø metal tube.



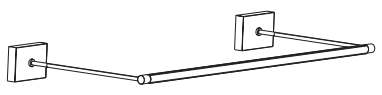
Single or Multi-Bay

Ultra Slimlite may be specified as a standalone fixture or multiple fixtures may be linked together to provide a continuous run. Each Ultra Slimlite bay requires a separate power feed and ballast.

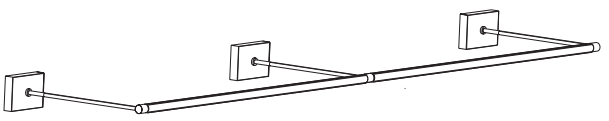
Ordering information for Multi-Bay installations

To specify a Multi-Bay fixture, order a single or "starter" fixture and one or more Multi-Bay fixtures. The single or "starter" fixture is placed at one end of the multiple fixture run and then the remaining fixtures are connected inline to complete the installation.

Single Ultra Slimlite

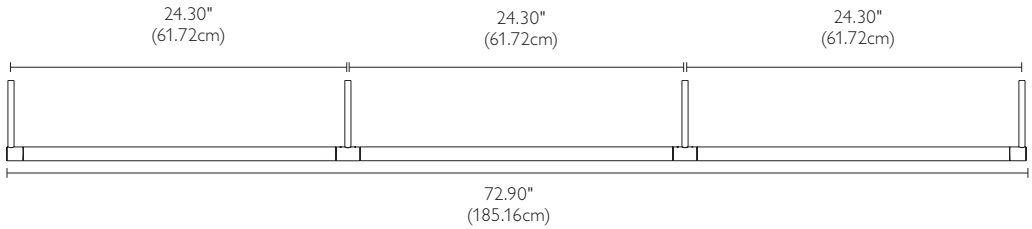


Multi-Bay Ultra Slimlite



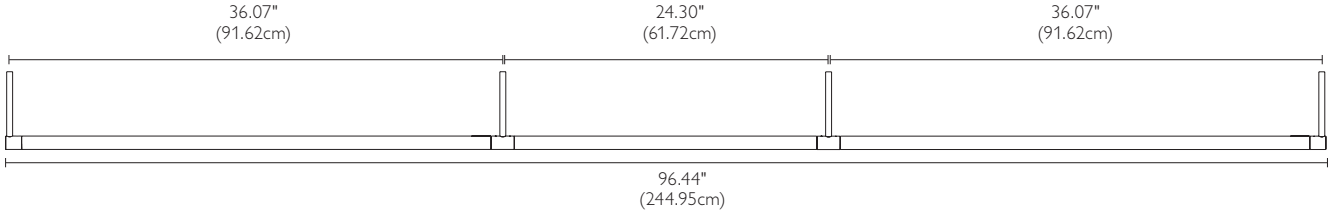
Multi-Bay variations

Multi-Bay fixture with three 2' fixtures



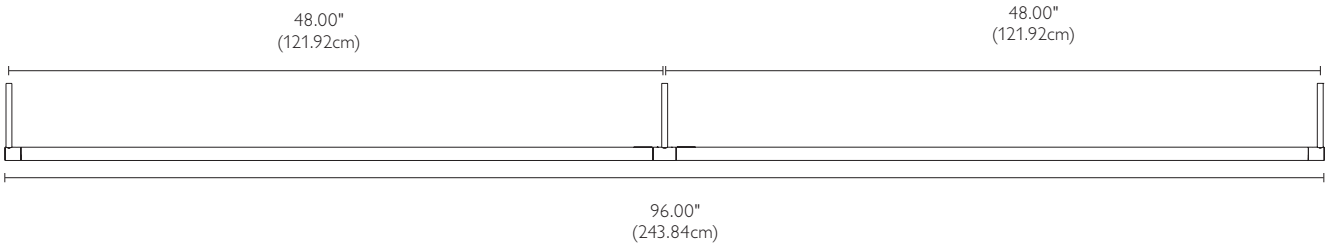
Quantity	Sample order codes	Description
1	**USL2-12-S-S-1-R-N-A**	2' Starter Fixture
2	**USL2-12-M-S-1-R-N-A**	2' Multi-bay Fixture

Multi-Bay fixture with two 3' and one 2' fixtures



Quantity	Sample order codes	Description
1	**USL3-12-S-S-1-R-N-A**	3' Starter Fixture
1	**USL2-12-M-S-1-R-N-A**	2' Multi-bay Fixture
1	**USL3-12-M-S-1-R-N-A**	3' Multi-bay Fixture

Multi-Bay fixture with two 4' fixtures



Quantity	Sample order codes	Description
1	**USL4-12-S-S-1-R-N-A**	4' Starter Fixture
1	**USL4-12-M-S-1-R-N-A**	4' Multi-bay Fixture

Canopy options

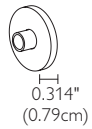
Remote ballast - 2" round canopy

Canopy and custom junction box provided.

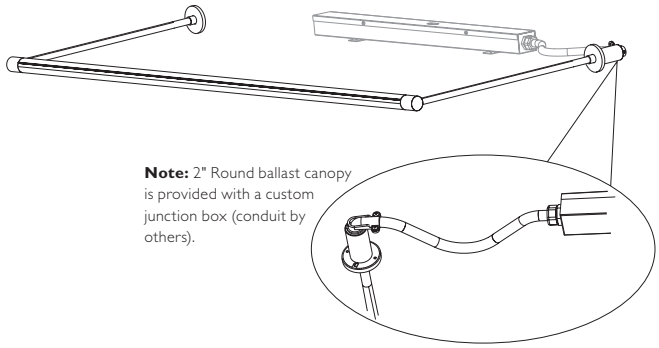
Note: Round canopy requires additional backing in the mounting surface to support the fixture properly.

2" Round Canopy

2" Round Remote Ballast Canopy



Round remote ballast canopy

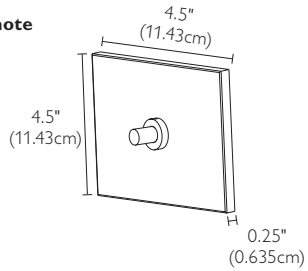


Note: 2" Round ballast canopy is provided with a custom junction box (conduit by others).

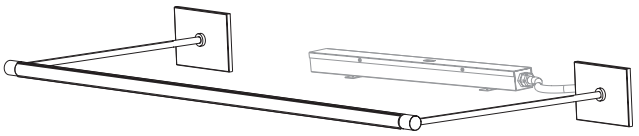
Remote ballast – 4" square canopy

Canopy mounts to a 4" octagonal junction box (by others) and may require additional support depending on stem length and mounting orientation.

4.5" Square remote ballast canopy

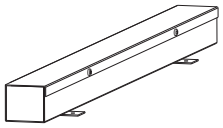


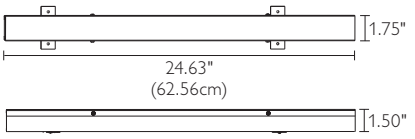
Square remote ballast canopy



Remote ballast and box

Remote Ballast and Box (conduit and connector by others)

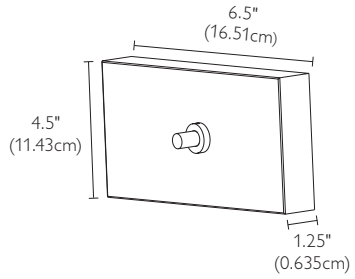




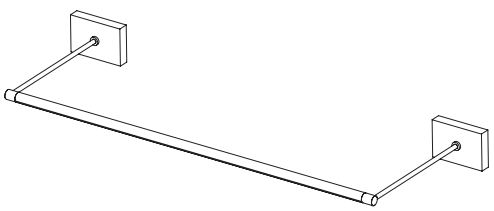
Integral ballast canopy

Canopy mounts to a 3.5" or 4.0" octagonal (by others) and may require additional support depending on stem length and mounting orientation

6.5" x 4.5" Integral ballast canopy



Integral ballast canopy



Ballast, lamp & lens options

Ballast and lamp options

Ballasts are provided for both remote and integral ballast canopy options. When using the remote ballast, the maximum distance from the ballast to the fixture varies by fixture length.

Integral ballast specification

Lamp	Ballast Factor	Type	THD %
T5/T5HO	1.00	Instant Start	<30

Remote ballast specifications

Lamp	Ballast Factor	Type	THD %
T5/T5HO	1.00	Program	<10

Ultra Slimlite 2'
Maximum distance from ballast to fixture 13'
(remote ballast only)
14 Watt
24 Watt High-output

Ultra Slimlite 3'
Maximum distance from ballast to fixture 12'
(remote ballast only)
21 Watt
39 Watt High-output

Ultra Slimlite 4'
Maximum distance from ballast to fixture 11'
(remote ballast only)
28 Watt
54 Watt High-output

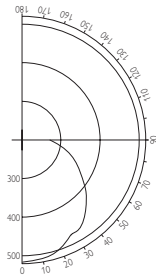
Lens options

Ultra Slimlite may be specified with a clear, opaque or prismatic lens. The extruded acrylic lenses snap into the fixture for quick lamp replacement.

Note: Lens available for use with standard T5 lamps only.

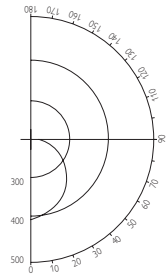
No lens
Order fixture without lens for maximum light output.

Zone	%Lamp
0-40	22.73
40-90	33.40
0-90	56.13



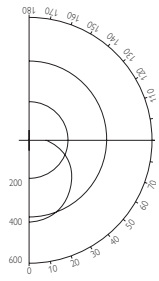
Clear lens
Provides lamp protection and minimal interference with light output.

Zone	%Lamp
0-40	16.64
40-90	19.91
0-90	36.55



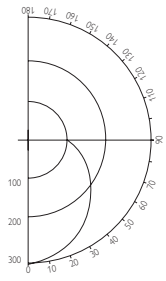
Prismatic lens
High performance prismatic lens provides broad light distribution

Zone	%Lamp
0-40	18.38
40-90	26.20
0-90	44.58



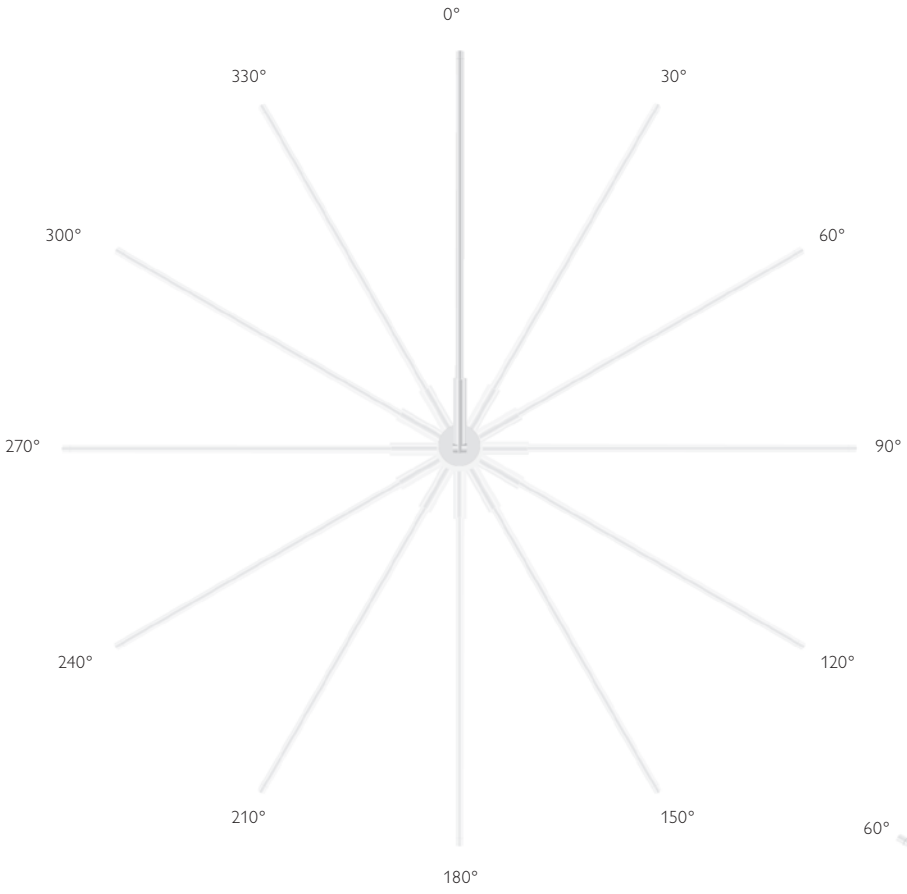
White opaque lens
Completely shields the lamp for glare free lighting. Perfect for vanity applications.

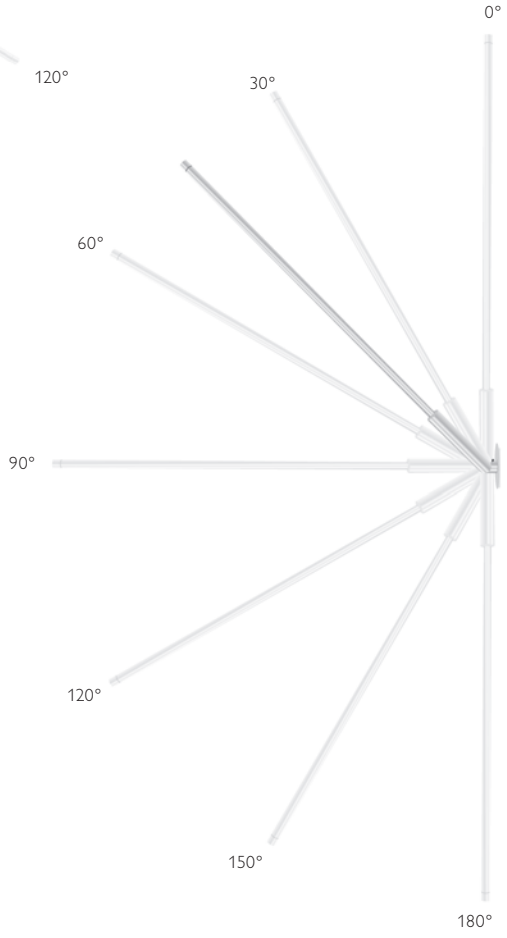
Zone	%Lamp
0-40	13.47
40-90	21.53
0-90	35.00



Ultra Slimlite Volta

The Ultra Slimlite Volta is perfect for expansive spaces with high ceilings, and may be used as a decorative complement or for elegant wall washing. The Volta may be articulated in any direction within a full hemispherical rotation and tilt.





Ultra Slimlite Volta

Ordering code

USV4 – ☐ – ☐ – ☐ – ☐ – ☐

Fixture

USV4
4' Ultra Slimlite Volta

Ballast type

S
Standard 28W

H
High output 54w
(Contact factory for availability)

Ballast location

R
Remote ballast

B
Integral ballast

Voltage

1
120V

2
277V

Lens*

N
No lens

C
Clear

P
Prismatic acrylic

O
White opaque

Metal finish

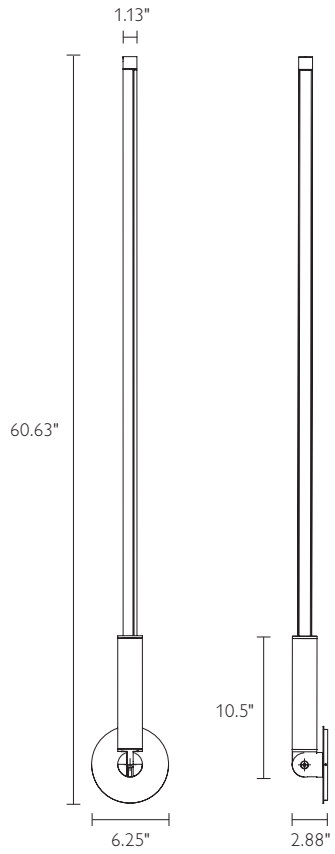
A
Aluminum

N
Satin nickel

R
Bronze

*Lens available for use with Standard T5 lamps only.

- Constructed of a 1.125" extruded aluminum tube
- Lamp tube swivels 330°
- Snap-in diffuser available in 3 styles
- Designed for a 28 watt T5 or 54 watt T5HO lamp
- Powered by an integral ballast
- Mounts to a 4" standard or octagonal junction box
- Ultra Slimlite Volta articulates 180° vertically within a full 360° orientation
- UL and cUL listed for damp locations



LuxBar

LuxBar is an exciting new line of lighting products, utilizing energy-efficient LED, fluorescent and xenon lamps in a variety of applications.

LuxBar shelf light

Designed for mounting under shelves or any situation with an overhanging lip, this product series is a fully-enclosed, self-contained fixture in miniature profile.

- U-Shaped fixtures come in energy-efficient LED in warm, neutral, and cool shades.

LuxBar undercabinet

Designed for mounting under cabinets, this product series is a fully-enclosed, self-contained fixture in miniature profile.

- Oval line voltage fluorescent fixtures utilize the same mounting system and are available in 3000°K.

LuxBar

LuxBar closet rod

The LuxBar closet rod system is an innovative design for illuminating hanging garments in prestigious hotels, boutiques, and luxury residences. The closet rod style is available in stem and end mounting for standard and custom lengths to suit any type of installation.

- U-Shaped fixtures are a low energy product employing LED elements in warm, neutral, and cool color ranges.
- Oval fixtures employ fluorescent lamping available in 3000°K.
- Round fixtures are available in either LED or fluorescent configurations.

LuxBar display light

An ideal solution for illuminating artwork, signage, menu boards, and merchandising displays or used as a linear wall washer for accenting walls, the LuxBar Display Light series can be wall or ceiling mounted in a choice of stem lengths. This Series may be configured in either single fixtures or multiple fixture systems and is available in u-shaped, oval, and round profiles.

LuxBar shelf light

U-shaped LED elements

LuxBar series miniature U-shape profile LED Shelf Light is a sleek low energy solution for illuminating spaces below shelving in display cabinets, bookcases, kitchens, or any other application using an overhanging lip or cove. With its damp location rating, Shelf Light is ideal for use in refrigerated displays.

Factory installed lens optics available for HPL and MWL display and accent lighting.

Housing

1 ⅜" W x 15/16" H (35mm x 33mm) extruded aluminum channel with flush, snap-in fit clear acrylic lens. Specify Micro-Watt LED (MWL) or High-Performance LED (HPL) lamping.

Mounting

Low profile mini junction box, with ½" (13mm) knockouts located at the top and end. Mounting hardware allows the fixture to rotate and lock in place.

Lamps

Choice of MWL Series 0.6 watt or HPL Series 1.0 watt LED elements. Also available, for HPL Series 1.0 watt LED elements only, focusing lens optics in standard configurations: F, all 50° optics; T, all 12° optics; S1, a combination of 50° and 12° optics; S2, a combination of 50° optics and open elements; or S3, a combination of 12° optics and open elements. Consult factory for other configurations. Standard color temperatures available in **W**: 2800°K, **N**: 3500°K or **C**: 5000°K.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Ordering code

LBU	–	U1	–		–		–	C	–		–	

Series

LBU LuxBar U-Shaped

Mounting

U1 Shelf light, remote transformer

Overall fixture length

024.0 24"OAL
036.0 36"OAL
048.0 48" OAL
060.0 60" OAL

Lamp

M MWL-6A
H HPL-1A No Lens
T HPL-1A 12° Lens
S1 HPL-1A 12° Lens / 50° Lens
S2 HPL-1A 50° Lens / No Lens
S3 HPL-1A 12° Lens / No Lens

Color temperature

W 2800°K
N 3500°K
C 5000°K

Spacing

A 3 3/4" On Center
S 1 7/8" On Center

Finish

SA Satin Aluminum
WH White
B Black
BZ Bronze
GD Gold

LuxBar shelf light

U-shaped LED elements mounting information

Spacing

Lamps without optics may be mounted on either alternate spacing, 3 ¾" (96mm) centers (recommended), or standard spacing, 1 ⅞" (48mm) centers. Lamps with optics (S1, S2, S3) are standard spaced 1 ⅞" centers only.

Electrical - remote transformer

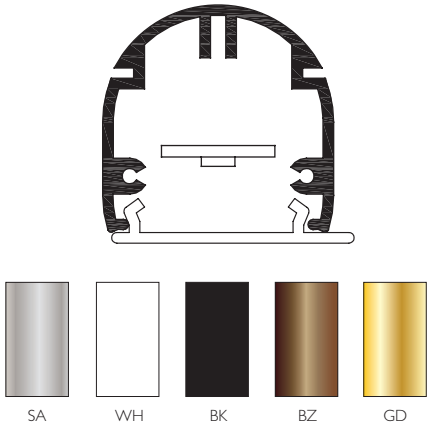
Magnetic low voltage AC transformer, with 24V secondary required to power fixtures with MWL or HPL Series LEDs. Order separately. See page 7.46.

Finishes

Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

Compliances

listing for use as a light in the storage area of a closet as defined by the 2008 NEC Article 410.



LuxBar undercabinet

Oval shaped fluorescent

Undercabinet LuxBar series miniature oval profile T5 fluorescent closet light is an ideal energy efficient solution for illuminating spaces below shelving in display cabinets, bookcases, kitchens, or any other application using an overhanging lip or cove. Includes 3000°K T5 lamp.

Housing

1 ⅜" W x 1 ⅞" H (35mm x 46mm) extruded aluminum channel with snap-in fit clear acrylic lens.

Mounting

Low profile mini junction box, with ½" (13mm) knockouts located at the top and end. Mounting hardware allows the fixture to rotate and lock in place.

Lamps

T5 fluorescent lamp included. Optional neutral density lamp sleeve fine-tunes illumination.

Electrical - integral ballast

Integral T5 Class P, HPF, thermally protected electronic ballast available in 120V, 277V or 230V.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Ordering code

LBV	–	U2	–		–		–		–	W	–	

Series

LBV
LuxBar oval shaped

Mounting

U2
Undercabinet, integral ballast

Overall fixture length

028.3	040.3	052.3	064.3
14W	21W	28W	35W
28 ⅜"	40 ⅜"	52 ⅜"	64 ⅜"

Lamp

5	7
T5	T5 with Neutral density sleeve

Voltage

1	2	3
120V	277V	230V

Color temperature

W
3000°K

Finish

SA	WH	B	BZ	GD
Satin Aluminum	White	Black	Bronze	Gold

LuxBar undercabinet

Oval shaped fluorescent mounting information

Finishes

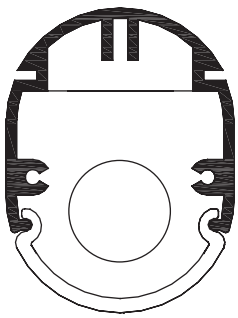
Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

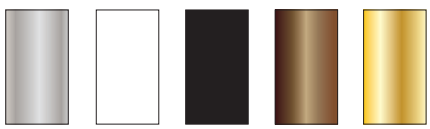
Compliances

listed for use as an undercabinet luminaire.

Suitable for damp location.

Note: Ballast, mounting hardware, and choice of lamp are included to make a complete fixture.





LuxBar closet rod

U-shaped LED elements

LuxBar series miniature U-shape profile LED closet rod is an ideal low energy solution for illuminating hanging garments in prestigious hotels, boutiques, and luxury residences. The LuxBar system is available in stem and end mounting to suit any type of installation and will support a maximum of 50 lbs.

Housing

1 ⅜" W x 15/16" (35mm x 33mm) extruded aluminum channel with flush, snap-in fit clear acrylic lens. Specify lengths from 24" (610mm) to 96" (2438mm) for Micro-Watt LED (MWL) or High-Performance (HPL) LED lamping. See Fractional Equivalents chart for correct part numbering for fractional lengths. Complete fixture supplied with a choice of either Stem or End mounting.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

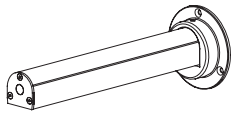
Mounting

Stem mounting

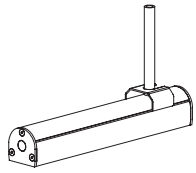
⅛" (3mm) IPS stems and mounting hardware provided for each end. 4" (102mm) square junction box supplied for stem mount option. Intermediate support stems are included as required.

End mounting

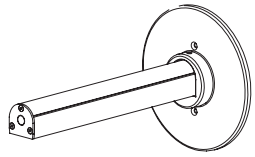
3 ¼" (83mm) OD machined aluminum mounting plates and mounting hardware provided for each end when remote electrical gear is specified. 5" (127mm) OD machined aluminum mounting plates and 3 ¾" square box (deep) for integral mounting option. Intermediate support stems are included as required.



End mount - remote



Stem mount - remote



End mount - integral

Ordering code

LBU – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

Series

LBU
LuxBar U-Shaped

Mounting

E1
Closet rod, end mount remote transformer

E2
Closet rod, end mount integral transformer

S1
Closet rod, stem mount remote transformer

Overall fixture length

S1 Mounting
024.0-096.0
In 1/8" increments as inches.eights

E1 & E2 Mounting
023.7-095.7
In 1/8" increments as inches.eights. For end-mounting deduct 1/8" from exact wall-to wall dimension to allow for end plates.

Lamp

M MWL-6A

H HPL-1A No Lens

F HPL-1A 50° Lens

T HPL-1A 12° Lens

S1 HPL-1A 12° Lens / 50° Lens

S2 HPL-1A 50° Lens / No Lens

S3 HPL-1A 12° Lens / No Lens

Color temperature

W 2800°K

N 3500°K

C 5000°K

Spacing

A 3 3/4" On Center

S 1 7/8" On Center

Finish

SA Satin Aluminum

WH White

B Black

BZ Bronze

GD Gold

LuxBar closet rod

U-shaped LED elements mounting information

Lamps

Choice of MWL Series 0.6W or HPL Series 1.0W LED Elements mounted on either alternate spacing, 3 ¾" (96mm) centers, or Standard Spacing, 1 ⅞" (48mm) centers. Also available, for HPL Series 1.0W LED Elements only, focusing lens optics in standard configurations: **F**, all 50° optics; **T**, all 12° optics, on either Alternate or Standard spacing; or **S1**, a combination of 50° and 12° optics; **S2**, a combination of 50° and open element optics; or **S3**, a combination of 12° and open element optics, mounted on Standard spacing 1 ⅞" (48mm) centers only. Consult factory for other configurations. Standard Color Temperatures available in **W**: 2800°K, **N:** 3500°K or **C:** 5000°K.

Spacing

MWL and HPL elements with single optics (M, H, T, F) or without optics are available in alternate spacing, 3 ¾" (96mm) centers (recommended), or standard spacing, 1 ⅞" (48mm) centers. HPL elements with optic combinations (S1, S2, S3) are standard spaced 1 ⅞" centers only to make a complete fixture.

Electrical

Remote

Magnetic low voltage AC transformer, with 24V secondary required to power fixtures with MWL or HPL Series LEDs. Order separately. See page 7.46.

Integral

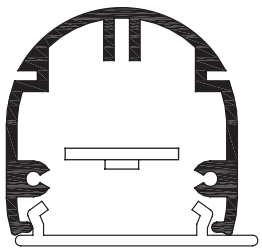
Magnetic low voltage AC transformer, with 24V secondary supplied with fixture when E2 option is selected.

Finishes

Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

Compliances

c SP us listed for use as a light in the storage area of a closet as defined by the 2008 NEC Article 410.



Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

SA WH BK BZ GD

LuxBar closet rod

Oval shaped fluorescent

LuxBar series miniature oval profile T5 fluorescent illuminated closet rod is an ideal energy efficient solution for illuminating hanging garments in prestigious hotels, boutiques, and luxury residences. Luxbar Closet Rod will support a maximum of 50lbs.

Housing

1 ⅜" W x 1 ⅞" H (35mm x 46mm) extruded aluminum channel with snap-in fit clear acrylic lens. Specify lengths from 24" (610mm) to 96" (2438mm) in ⅛" (3mm) increments. See Fractional Equivalents Chart for correct part numbering for fractional lengths. Complete fixture supplied with a choice of either Stem or End mounting.

Ordering Information

To specify a complete catalog number, choose one item from the selection available in each module.

Mounting

Stem mounting

⅛" (3mm) IPS stems and mounting hardware provided for each end. 4" (102mm) square junction box supplied for stem mount option. Intermediate support stems are included as required.

End mounting

3 ¼" (83mm) OD machined aluminum mounting plates and mounting hardware provided for each end. Intermediate support stems are included as required.

Lamps

T5 fluorescent lamp included. Optional neutral density lamp sleeve fine tunes illumination. T5 lamps will be centered in rod. Some lengths may result in dark spots on rod ends.

Ordering code

LBV – [ ] – [ ] – [ ] – [ ] – W – [ ]

Series

LBV
LuxBar oval shaped

Mounting

E2
Closet Rod, End Mount Integral Ballast

S2
Closet Rod, Stem Mount
Integral Ballast

Overall fixture length

S2 Mounting
024.0-096.0
In 1/8" increments as inches.eights

E2 Mounting
023.7-095.7
In 1/8" increments as inches.eights.

Lamp

5
T5

7
T5 with
Neutral density sleeve

Voltage

1
120V

2
277V

3
230V

Color temperature

W
3000°K

Finish

SA
Satin
Aluminum

WH
White

B
Black

BZ
Bronze

GD
Gold

LuxBar closet rod

Oval shaped fluorescent mounting information

Electrical

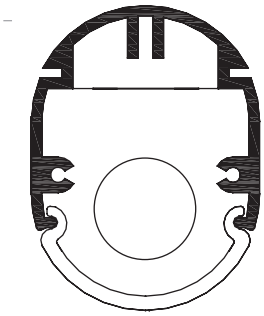
Integral T5 Class P, HPF, thermally protected electronic ballast available in 120V, 277V or 230V.

Available in satin anodized aluminum or gold, white, black, or bronze powder coat paint. Consult factory for custom finishes.

Compliances

listed for use as a light in the storage area of a closet as defined by the 2008 NEC Article 410.

Note: Ballast, mounting hardware, and choice of lamp are included to make a complete fixture.



Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

LuxBar closet rod

Round shaped LED elements

LuxBar series miniature round shape profile LED closet rod is an ideal low energy solution for illuminating hanging garments in prestigious hotels, boutiques, and luxury residences. The LuxBar system is available in stem and end mounting to suit any type of installation and will support a maximum of 50 lbs.

Housing

1 ⅜" OD (35mm) extruded aluminum channel with snap-in fit clear acrylic lens. Specify length from 24" (610mm) to 96" (2438mm) in ⅛" (3mm) increments. See Fractional Equivalents Chart for designations for lengths including fractions. Complete fixture supplied with a choice of either Stem or End mounting.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Mounting

Stem mounting

⅛" (3mm) IPS stems and mounting hardware provided for each end. 4" (102mm) square junction box with electrical gear supplied for stem mount option. Intermediate support stems are included as required.

End mounting

3 ¼" (83mm) OD machined aluminum mounting plates and mounting hardware provided for each end when remote electrical gear is specified. 5" (127mm) OD machined aluminum mounting plates and 3 ¾" square box (deep) for integral mounting. Intermediate support stems are included as required.

Lamps

Choice of Clikstrip MWL Series 0.6W or HPL Series 1.0W LED elements with standard color temperatures available in **W:** 2800°K, **N:** 3500°K or **C:** 5000°K.

Spacing

Elements may be mounted on either alternate spacing, 3 ¾" (96mm) centers (*recommended*), or standard spacing, 1 ⅞" (48mm) centers.

Ordering code

LBR – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

Series

LBR
Luxbar round-shaped

Mounting

E1
Closet rod, end mount remote transformer

E2
Closet rod, end mount integral transformer

S1
Closet rod, stem mount remote transformer

Overall fixture length

S1 Mounting
024.0-096.0
In 1/8" increments as inches.eights

E1 & E2 Mounting
023.7-095.7
In 1/8" increments as inches.eights. For end-mounting deduct 1/8" from exact wall-to wall dimension to allow for end plates.

Lamp

M
MWL-6A

H
HPL-1A
No Lens

Color temperature

W
2800°K

N
3500°K

C
5000°K

Spacing

A
3 3/4" On center

S
1 7/8" On center

Finish

SA
Satin Aluminum

WH
White

B
Black

BZ
Bronze

GD
Gold

LuxBar closet rod

Round shaped LED elements mounting information

Electrical

Remote

Magnetic low voltage AC transformer, with 24V secondary required to power fixtures with MWL or HPL Series LEDs. Order separately. See page 7.46.

Integral

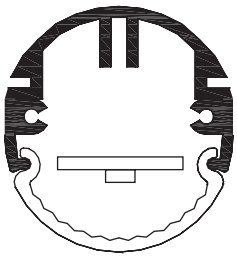
Fixture supplied with magnetic low voltage AC transformer, with 24V secondary.

Finishes

Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

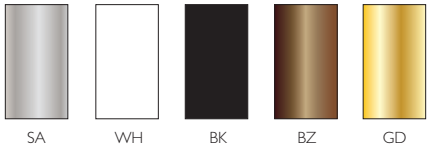
Compliances

listed for use as a light in the storage area of a closet as defined by the 2008 NEC Article 410.



Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7



SA WH BK BZ GD

LuxBar closet rod

Round shaped fluorescent

LuxBar series miniature round profile T5 fluorescent illuminated closet rod is an ideal energy efficient solution for illuminating hanging garments in prestigious hotels, boutiques, and luxury residences. The LuxBar system is available in stem and end mounting to suit any type of installation and will support a maximum of 50lbs.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Housing

1 ⅜" OD (35mm) extruded aluminum channel with snap-in fit ribbed acrylic lens. Specify length from 24" (610mm) to 96" (2438mm) in ⅛" (3mm) increments. See Fractional Equivalents Chart for designations for lengths including fractions. Complete fixture supplied with a choice of either Stem or End mounting.

Mounting

Stem mounting

⅛" (3mm) IPS stems and mounting hardware provided for each end. 4" (102mm) square junction box with electrical gear supplied for stem mount option. Intermediate support stems are included as required.

End mounting

3 ¼" (83mm) OD machined aluminum mounting plates and mounting hardware provided for each end when remote electrical gear is specified. Intermediate support stems are included as required.

Lamps

T5 fluorescent lamp included. Optional neutral density lamp sleeve fine-tunes illumination. T5 lamps will be centered in rod. Some lengths may result in dark spots on rod ends.

Ordering code

LBR – ☐ – ☐ – ☐ – ☐ – W – ☐

Series

LBR
Luxbar round-shaped

Mounting

E1
Closet rod, end mount remote ballast

S1
Closet rod, stem mount remote transformer

Overall length

S2 Mounting
024.0-096.0
In 1/8" increments as inches.eights

E2 Mounting
023.7-095.7
In 1/8" increments as inches.eights.

Lamp

5
T5

7
T5 with Neutral Density Sleeve

Voltage

1
120V

2
277V

3
230V

Color temperature

W
3000°K

Finish

SA
Satin Aluminum

WH
White

B
Black

BZ
Bronze

GD
Gold

LuxBar closet rod

Round shaped fluorescent mounting information

Electrical

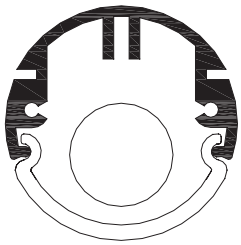
Fixture supplied with a T5 Class P, HPF, thermally protected electronic ballast in a Listed wiring enclosure suitable for remote mounting. Ballasts available in 120V, 277V or 230V.

Finishes

Available in satin anodized aluminum, white, black, bronze or gold powder coat paint.

Compliances

listed for use as a light in the storage area of a closet as defined by the 2008 NEC Article 410.



Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

SA WH BK BZ GD

LuxBar display light

U-shaped LED elements

LuxBar series miniature U-shaped profile LED display light is an ideal energy saving solution for illuminating artwork, signage, menu boards, and merchandising displays or for use as a linear wall washer for accenting walls. Can be wall or ceiling mounted in a choice of stem lengths. For longer fixtures, multiple unit systems provide a nearly limitless overall length.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Housing

1 ⅜" W x 15/16" (35mm x 33mm) extruded aluminum channel with flush, snap-in fit clear acrylic lens. Specify Micro-Watt or High Performance LED lamping. Includes machined aluminum end caps that rotate 330° and lock in place.

Mounting

Fixtures supplied with a pair of 2" (51mm) diameter round machined aluminum canopies, a custom junction box and (2) ½" (13mm) diameter metal tube stems which may be cut in the field. Select standard stem lengths from 6" (152mm) to 30" (762mm).

Lamps

Choice of Clikstrip MWL Series 0.6 watt or HPL Series 1.0 watt LED elements Also available, for HPL Series 1.0W LED Elements only, focusing lens optics in standard configurations: F: all 50° optics, T: all 12° optics, S1: a combination of 50° and 12° optics, S2: a combination of 50° optics and open elements, or S3: a combination of 12° optics and open elements. Consult factory for other configurations. Standard color temperatures available in **W**: 2800°K, **N**: 3500°K or **C**: 5000°K.

Ordering code

LBU – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

Series

LBU LuxBar U-shaped

Mounting - single unit

D1 Display light single unit

Mounting - multiple units

M1 Closet rod, end mount remote transformer

M2 Display light Intermediate

M3 Display light End

Stem-to-stem (centers) length

026.0 2' | **038.0** 3' | **050.0** 4' | **062.0** 5' | **074.0** 6'

Stem - length

1 6" | **2** 12" | **3** 18" | **4** 24" | **5** 30"

Lamp

M MWL-6A | **H** HPL-1A No Lens | **F** HPL-1A 50° Lens | **T** HPL-1A 12° Lens | **S1** HPL-1A 12° Lens / 50° Lens | **S2** HPL-1A 50° Lens / No Lens | **S3** HPL-1A 12° Lens / No Lens

Color temperature

W 2800°K | **N** 3500°K | **C** 5000°K

Spacing

A 3 3/4" On Center | **S** 1 7/8" On Center

Finish

SA Satin Aluminum | **WH** White | **B** Black | **BZ** Bronze | **GD** Gold

LuxBar display light

Shaped LED elements mounting information

Spacing

MWL and HPL LED elements with single optic styles (M, H, T, F) or without optics can be mounted on either alternate spacing, 3 ¾" (96mm) centers (recommended), or Standard Spacing, 1 ⅞" (48mm) centers. HPL elements with optic combinations (S1, S2, S3) are Standard Spaced 1 ⅞" centers only.

Electrical

Remote

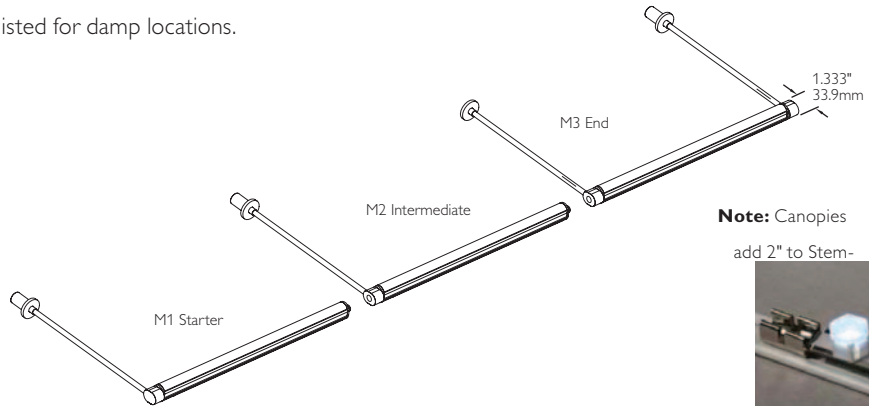
Magnetic low voltage AC transformer, with 24V secondary required to power fixtures with MWL or HPL Series LEDs. Order separately. See page 7.46.

Finishes

Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

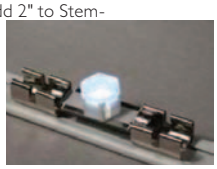
Compliances

listed for damp locations.

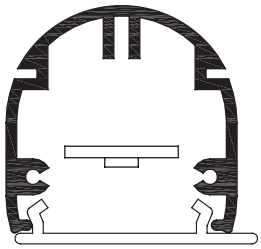


Note: Canopies to-Stem length.

add 2" to Stem-



Factory installed lens optics available for display and accent lighting.



Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

SA WH BK BZ GD

LuxBar display light

Oval shaped fluorescent

LuxBar series miniature oval profile T5 display light is an ideal energy saving solution for illuminating artwork, signage, menu boards, and merchandising displays or use as a linear wall washer for accenting walls. Can be wall or ceiling mounted in a choice of stem lengths. For longer fixtures, multiple unit systems provide a nearly limitless overall length. Available in energy efficient T5 or T5HO fluorescent.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Housing

1 ⅜" W x 1 ⅞" H (35mm x 46mm) extruded aluminum channel with snap-in fit clear acrylic lens. Fixture includes machined aluminum end caps that rotate 330° and lock in place.

Mounting

Fixtures supplied with a pair of 2" (51mm) diameter round machined aluminum canopies, a custom junction box and (2) ½" (13mm) diameter metal tube stems which may be cut to length in the field. Select standard stem lengths from 6" (152mm) to 30" (762mm).

Lamps

T5 or T5HO fluorescent lamp included.

Electrical

Integral T5 or remote mounted T5HO Class P, HPF, thermally protected electronic ballast. Remote ballast supplied in a Listed wiring enclosure. Ballasts available in 120V, 277V or 230V.

Ordering code

LBV – [ ] – [ ] – [ ] – [ ] – [ ] – W – [ ]

Series

LBV
LuxBar oval shaped

Mounting - single unit

D1
Display mount single unit

Mounting - multiple units

M1
Display starter
Multiple units

M2
Display intermediate
Multiple units

M3
Display end
multiple units

Stem-to-stem (centers) length

026.0 14/24W
038.0 21/39W
050.0 28/54W
062.0 35/80W

Stem-length

1 6"
2 12"
3 18"
4 24"
5 30"

Lamp

5 T5 Integral only
6 T5HO Remote only

Voltage

1 120V
2 277V
3 230V

Color temperature

W 3000°K

Finish

SA Satin Aluminum
WH White
B Black
BZ Bronze
GD Gold

LuxBar display light

Oval shaped fluorescent mounting information

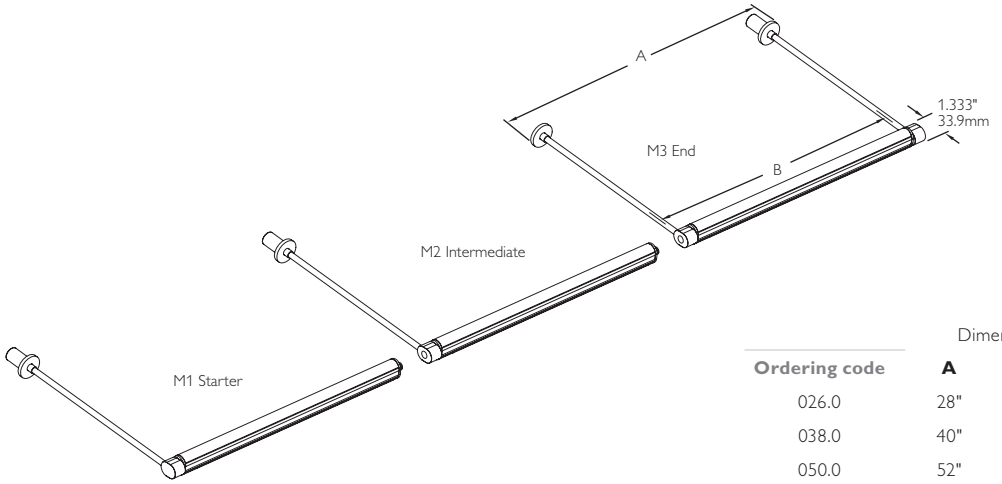
Finishes

Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

Compliances

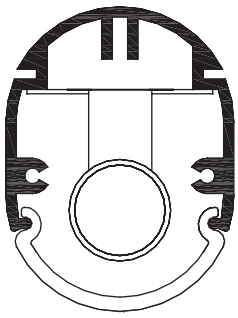
listed for damp locations.

Note: Ballast, mounting hardware, and choice of lamp are included to make a complete fixture.



	Dimensions	
Ordering code	**A**	**B**
026.0	28"	26"
038.0	40"	38"
050.0	52"	50"
062.0	64"	62"

Note: Dimension A includes 2" canopy.



LuxBar display light

Round shaped Xenon mounting information

LuxBar series miniature round profile Xenon display light is an ideal solution for illuminating artwork, signage, menu boards, and merchandising displays or use as a linear wall washer for accenting walls. Can be wall or ceiling mounted in a choice of stem lengths. For longer fixtures, multiple unit systems provide a nearly limitless overall length.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Housing

1 ⅜" OD (35mm) extruded aluminum channel with snap-in fit ribbed acrylic lens. Includes machined aluminum end caps that rotate 330° and lock in place.

Mounting

Fixtures supplied with a pair of 2" (51mm) diameter round machined aluminum canopies, a custom junction box and (2) ½" (13mm) diameter metal tube stems which may be cut to exact length in the field. Select standard stem lengths from 6" (152mm) to 30" (762mm).

Lamps

Xenon festoon lamps, clear or frosted, 3 watts in either 12VAC or 24VAC.

Electrical

Remote mounted low voltage transformer required. Order separately. See page 7.46.

Ordering code

LBR – [ ] – [ ] – [ ] – X – [ ] – [ ] – [ ] – 3 – [ ] – [ ]

Series

LBR
LuxBar Round Shaped

Mounting - single unit

D1
Display Light Single Unit

Mounting - multiple units

M1
Display light starter multiple units

M2
Display intermediate multiple units

M3
Display end multiple units

Stem-to-stem (centers) length

026.0
2'

038.0
3'

050.0
4'

062.0
5'

Stem-Length

1
6"

2
12"

3
18"

4
24"

5
30"

Lamp

X
Xenon

Lamp type

C
Clear

F
Frosted

Voltage

2
12V

4
24V

Wattage

3
3 Watt

Spacing

A
3 3/4" On Center

S
1 7/8" On Center

Finish

A
Satin Aluminum

WH
White

B
Black

BZ
Bronze

GD
Gold

LuxBar display light

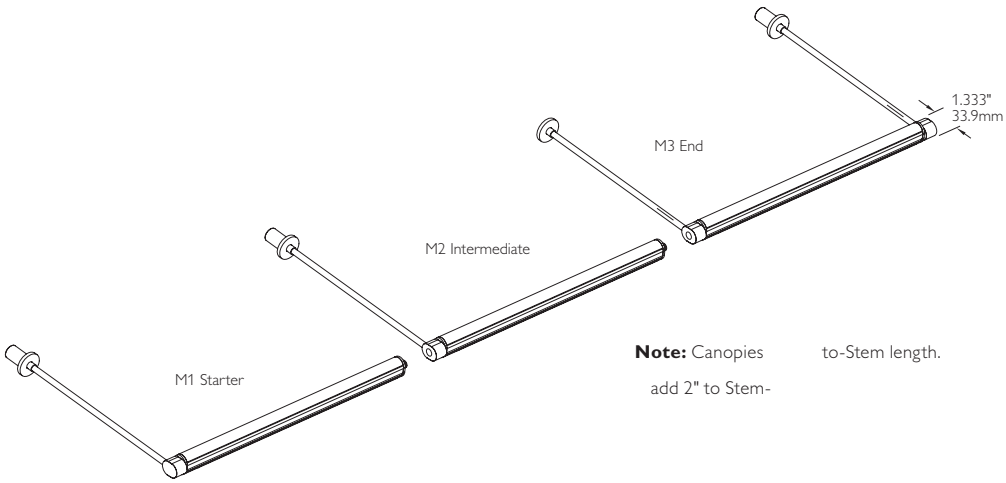
Round shaped Xenon mounting information

Finishes

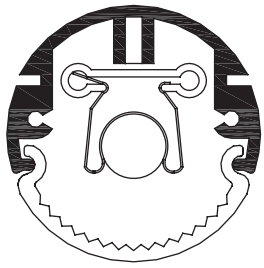
Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

Compliances

listed for damp locations.



Note: Canopies to-Stem length.
add 2" to Stem-



Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

LuxBar display light

Round shaped LED element

LuxBar series miniature round profile LED display light is an ideal solution for illuminating artwork, signage, menu boards, and merchandising displays or use as a linear wall washer for accenting walls. Can be wall or ceiling mounted in a choice of stem lengths. For longer fixtures, multiple unit systems provide a nearly limitless overall length.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Housing

1 ⅜" OD (35mm) extruded aluminum channel with snap-in fit ribbed acrylic lens. Fixture includes machined aluminum end caps that rotate 330° and lock in place.

Mounting

Fixtures supplied with a pair of 2" (51mm) diameter round machined aluminum canopies, a custom junction box and (2) ½" (13mm) diameter metal tube stems which are field cuttable. Select standard stem lengths from 6" (152mm) to 30" (762mm).

Lamps

Choice of Clikstrip MWL Series 0.6W or HPL Series 1.0W LED elements. Standard Color Temperatures available in **W**: 2800°K, **N**: 3500°K or **C**: 5000°K.

Spacing

MWL and HPL elements are available mounted on Alternate Spacing, 3 ¾" (96mm) centers (recommended), or Standard Spacing, 1 ⅞" (48mm) centers.

Ordering code

LBR – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

Series

LBR LuxBar round shaped

Mounting - single unit

D1 Display light single unit

Mounting - multiple units

M1 Display starter multiple units

M2 Display intermediate multiple units

M3 Display end multiple units

Stem-to-stem (centers) length

026.0 2' **038.0** 3' **050.0** 4' **062.0** 5' **074.0** 6'

Stem-length

1 6" **2** 12" **3** 18" **4** 24" **5** 30"

Lamp

M MWL-6A

H HPL-1A No Lens

Color temperature

W 2800°K **N** 3500°K **C** 5000°K

Spacing

A 3 3/4" on center **S** 1 7/8" on center

Finish

SA Satin aluminum **WH** White **B** Black **BZ** Bronze **GD** Gold

LuxBar display light

Round shaped LED element mounting information

Electrical

Magnetic low voltage AC transformer, with 24V secondary required.
Remote mounted. Order separately. See page 7.46.

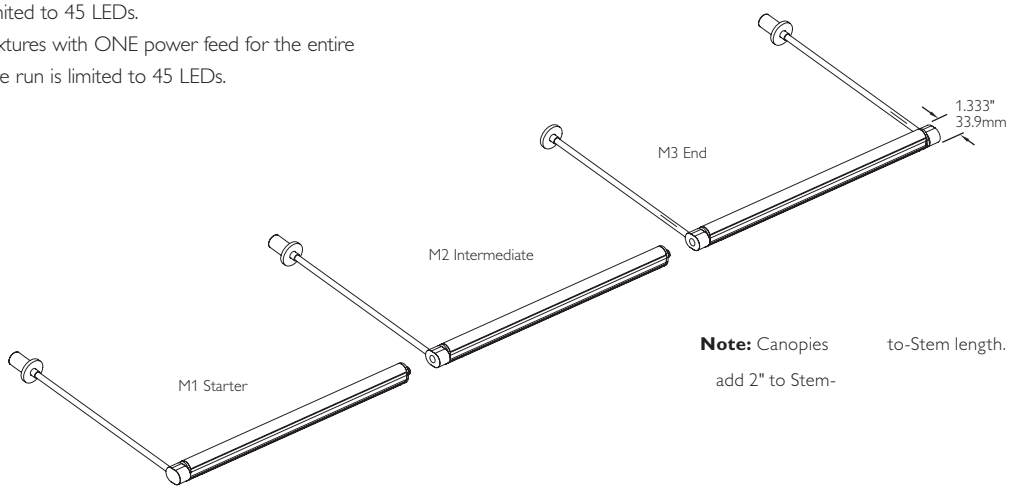
Finishes

Available in satin anodized aluminum, white, black, bronze or gold powder coat paint.
Consult factory for custom finishes.

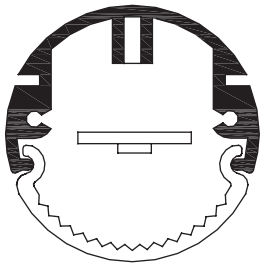
Compliances

listed for damp locations.

* On Multi-Bay fixtures with a power feed for each 8' section, each section limited to 45 LEDs.
* On Multi-Bay fixtures with ONE power feed for the entire 8' run, the entire run is limited to 45 LEDs.



Note: Canopies add 2" to Stem-to-Stem length.



Fractional equivalents

Eighths	Decimal	Length	Eighths	Decimal	Length
0/8"	.000	.0	1/2"	.500	.4
1/8"	.125	.1	5/8"	.625	.5
1/4"	.250	.2	3/4"	.750	.6
3/8"	.375	.3	7/8"	.875	.7

SA WH BK BZ GD

LuxBar display light

Round shaped fluorescent

LuxBar series miniature round profile T5 display light is an ideal energy saving solution for illuminating artwork, signage, menu boards, and merchandising displays or use as a linear wall washer for accenting walls. Can be wall or ceiling mounted in a choice of stem lengths. For longer fixtures, multiple unit systems provide a nearly limitless overall length. Available in energy efficient T5 or T5HO fluorescent.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Housing

1 ⅜" OD (35mm) extruded aluminum channel with snap-in fit ribbed acrylic lens. Fixture includes machined aluminum end caps that rotate 330° and lock in place.

Mounting

Fixtures supplied with a pair of 2" (51mm) diameter round machined aluminum canopies, a custom junction box and (2) ½" (13mm) diameter metal tube stems which may be cut to exact lengths in the field. Select standard stem lengths from 6'' (152mm) to 30" (762mm).

Lamps

T5 or T5HO fluorescent lamp included.

Electrical

Fixture supplied with a T5 or T5HO Class P, HPF, thermally protected electronic ballast in a Listed wiring enclosure suitable for remote mounting. Ballasts available in 120V, 277V or 230V.

Ordering code

LBR – [ ] – [ ] – [ ] – [ ] – [ ] – W – [ ]

Series

LBR
LuxBar round shaped

Mounting - single unit

D1
Display light single unit

Mounting - multiple units

M1
Display starter multiple units

M2
Display intermediate multiple units

M3
Display end multiple units

Stem-to-stem (centers) length

026.0 2'
038.0 3'
050.0 4'
062.0 5'

Stem-length

1 6"
2 12"
3 18"
4 24"
5 30"

Lamp

5 T5
6 T5H0

Voltage

1 120V
2 277V
3 230V

Color temperature

W 3000°K

Finish

SA Satin aluminum
WH White
B Black
BZ Bronze
GD Gold

LuxBar display light

Round shaped fluorescent mounting information

Finishes

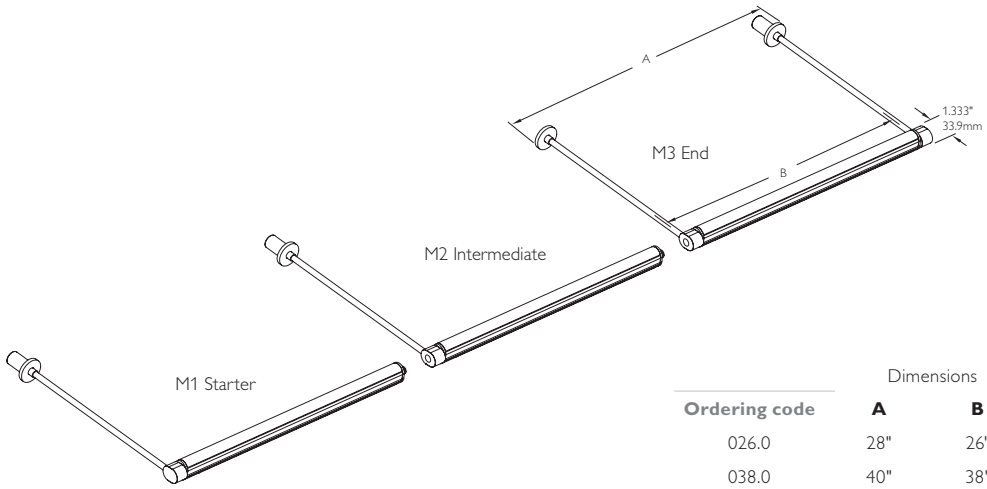
Available in satin anodized aluminum, white, black, bronze or gold powder coat paint. Consult factory for custom finishes.

Compliances

listed for damp locations.

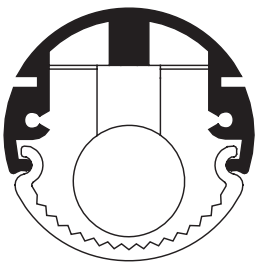
Note: Ballast, mounting hardware, and choice of lamp are installed to make a complete fixture.

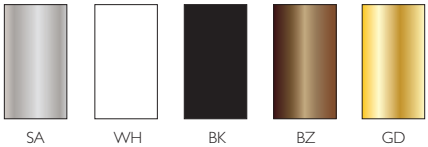
* On Multi-Bay fixtures with a power feed for each 8' section, each section limited to 45 LEDs.
* On Multi-Bay fixtures with ONE power feed for the entire 8' run, the entire run is limited to 45 LEDs.

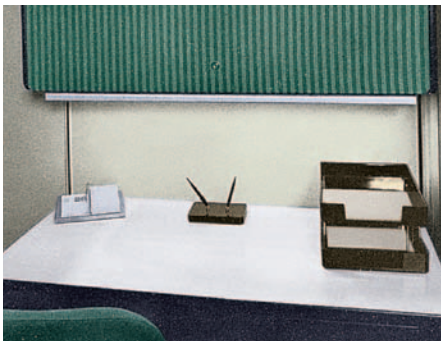


	Dimensions	
Ordering code	**A**	**B**
026.0	28"	26"
038.0	40"	38"
050.0	52"	50"
062.0	64"	62"

Note: Dimension A includes 2" canopy.







Taskmaster I

Under shelf luminaires

Features

- 1 1/8" shallow depth.
- Five nominal lengths: 12", 21", 24", 33", 42".
- Grounded convenience outlet (optional).
- On/off rocker switch (included in supply pack).
- Baked white enamel finish.

Options & accessories

Accessories that will ship separately order the following:

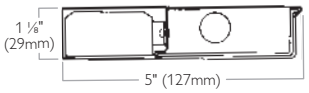
GLR-B (6 pack of 3 amp fusing)

RIF-SUPR (1-RFI suppressor)

CONV OUTLET 10-PACK
(10 pack of outlets and hardware)

Accessories are for field installation.

Taskmaster



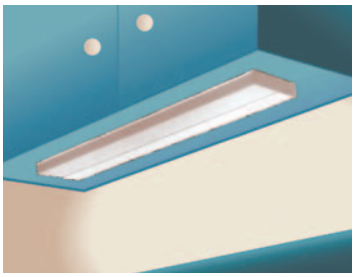
Ordering information

Type	Length	Lamp watts/type	Catalog no.
Taskmaster I (One Lamp)	12 ¼"	8PH	**TSL0018W BPR**
	21 ¼"	13PH	**TSL0113W BPR**
	33 ½"	8PH/13PH (1 each)	**TSL1813W BPR**
Taskmaster I (Two Lamp)	24 ¼"	8PH	**TSL0028W BPR**
	42 ½"	13PH	**TSL0213W BPR**

TSL0018W BPR

Taskmaster I
Under shelf luminaire

For electronic ballast, substitute **TSLP** for **TSL**, e.g: **TSLP0018W BPR**.



Attractive, unobtrusive lighting

Taskmaster II

Under shelf luminaires

Features

- 1 7/8" shallow depth.
- Four nominal lengths: 18", 24", 36", 48".
- Grounded convenience outlet (optional).
- On/off rocker switch, standard (included in supply pack).
- Baked white enamel finish.

Options & accessories

Accessories that will ship separately order the following:

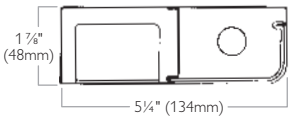
GLR-B (6 pack of 3 amp fusing)

RIF-SUPR (1-RFI suppressor)

CONV OUTLET 10-PACK
(10 pack of outlets and hardware)

Accessories are for field installation.

Taskmaster



Ordering information

Type	Length	Lamp qty–type	Lamp watts	Catalog no.
	18 1/8"	TS-T12	15W	**TCU15W120P BPR**
	24 1/8"	TS-T12	20W	**TCU20W120P BPR**
	36 1/8"	TS-T12	30W	**TCU30W120P BPR**
Taskmaster II	48 1/8"	TS-T12	40W	**TCU40W120P BPR**
	24 1/8"	T8	17W	**TCU20WUNVRO BPR**
	36 1/8"	T8	25W	**TCU30WUNVRO BPR**
	48 1/8"	T8	32W	**TCU40WUNVRO BPR**

EXAMPLE

TCU	40	W	UNV	RO	BPR
Taskmaster II Undershelf Luminaire	**Lamp/fixture length/watts** **15** = 15W TS T12 (Nom. 18") **20** = 20W TS T12 or 17W T8 (Nom. 24") **30** = 30W RS T12 or 25W T8 (Nom. 36") **40** = 40W RS T12 or 32W T8 (Nom. 48")	**Finish** **W** = White	**Voltage** **120** = 120V (T12 Only) **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** **P** = Standard Magnetic T12 **RO** = Rapid Start <10THD T8	**Bulk pack rocker switch** Warning (277 BPR) Bulk pack rocker switch can not be installed on fixture if 277V is being run.

Taskmaster solid front T8

Specification undershelf luminaire

Features

- 1 ¾" shallow depth.
- Three nominal lengths: 24", 36" , 48."
- Specification grade under shelf luminaire.
- Solid front design.
- Lens removable without tools for easy maintenance.
- 100% acrylic linear prismatic lens to obscure lamp image and uniformly distribute light output
- Lamp T8, CRI=70, color temp 3500K is standard and included.
- Paint after fabrication with white polyester paint finish.
- On/off rocker switch (included in supply pack) 120 volt use only.
- Universal voltage.

Options & accessories

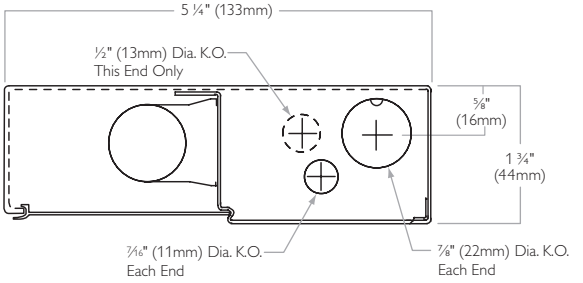
Accessories that will ship separately order the following:

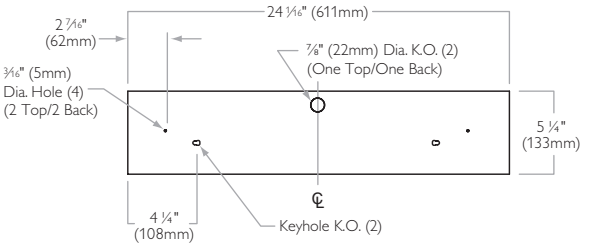
GLR-B (6 pack of 3 amp fusing)

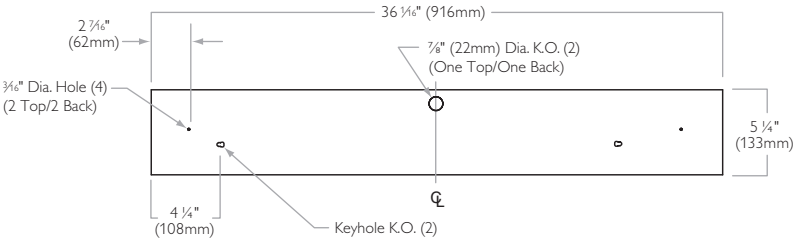
RIF-SUPR (1-RFI suppressor)

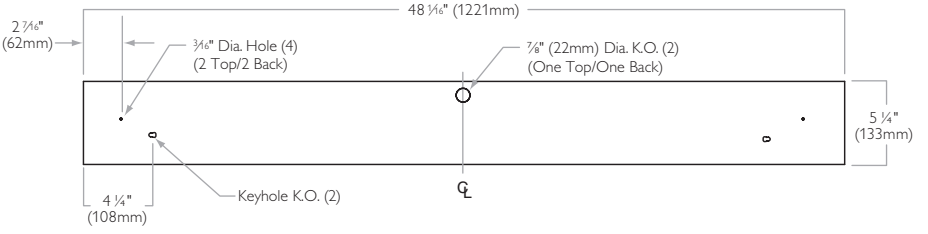
CONV OUTLET (10 PACK)

Taskmaster









Ordering information

Type	Length	Lamp qty–type	Lamp watts	Catalog no.	Electronic ballast type
Taskmaster Solid Front T8	24 1/16"	1-T8	17W	**TCF117WUNVRO BPR**	<10 Program rapid start
	36 1/16"		25W	**TCF125WUNVRO BPR**	
	48 1/16"		32W	**TCF132WUNVRO BPR**	
	24 1/16"	1-T8	17W	**TCF117WUNVHI BPR**	<10 Instant start
	36 1/16"		25W	**TCF125WUNVHI BPR**	
	48 1/16"		32W	**TCF132WUNVHI BPR**	

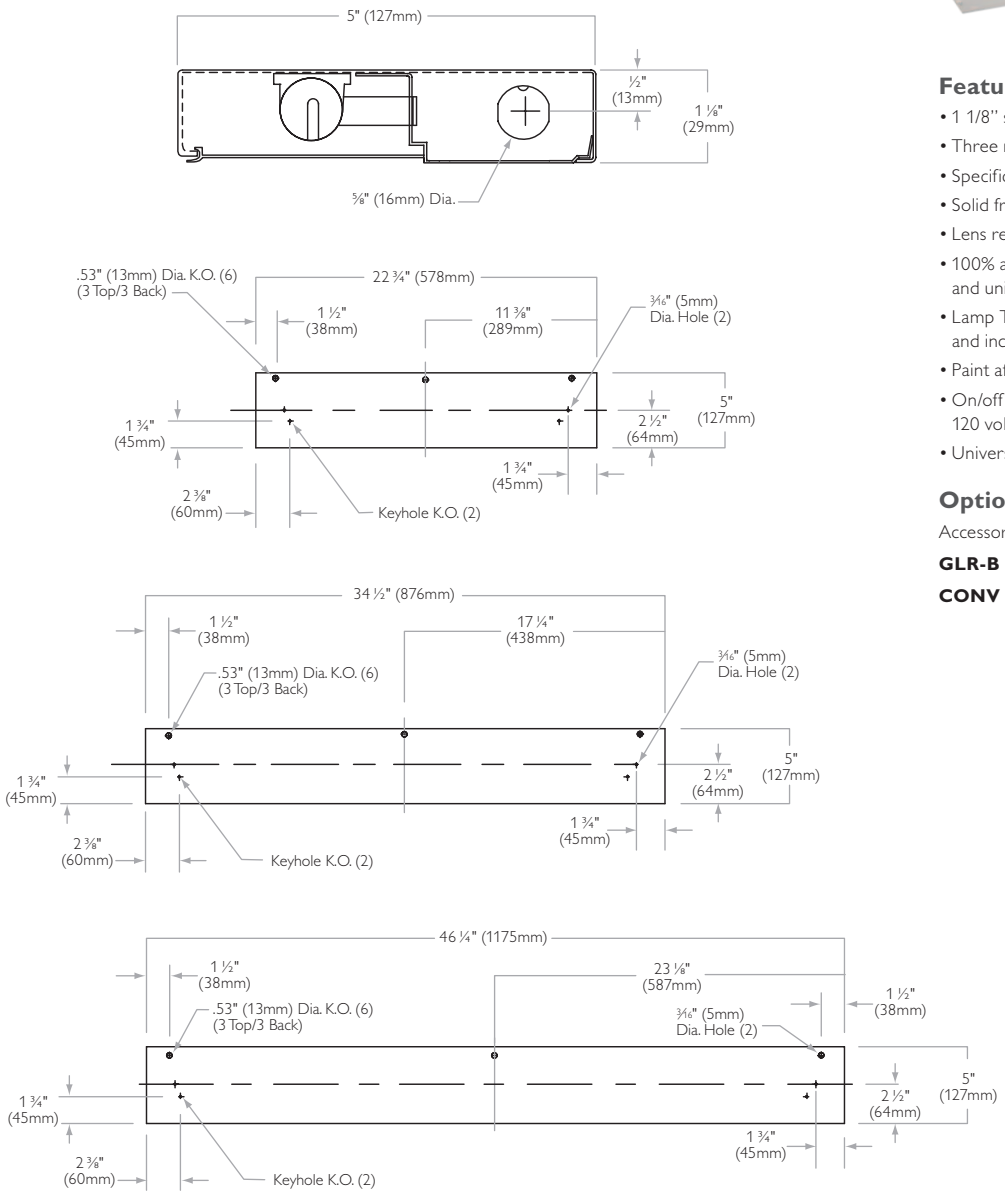
EXAMPLE

TCF	1	32	W	UNV	RO	BPR
Taskmaster Solid Front T8 Specification Undershelf Luminaire	**Lamp** **1** = Number of Lamps	**Lamp/fixture length/watts** **17** = 17W T8 (Nom 24") **25** = 25W T8 (Nom 36") **32** = 32W T8 (Nom 48")	**Finish** **W** = White	**Voltage** **UNV**= 120-277V (Elec. T8 Ballast only)	**Ballast** **HI** = Instant Start <10THD T8 **RO** = Rapid Start <10THD T8	**Bulk pack rocker switch** Can only be installed in a 120 volt application

Taskmaster solid front T5

Specification undershelf luminaire

Taskmaster



Features

- 1 1/8" shallow depth.
- Three nominal lengths: 22", 34" , 46."
- Specification grade under shelf luminaire.
- Solid front design.
- Lens removable without tools for easy maintenance.
- 100% acrylic linear prismatic lens to obscure lamp image and uniformly distribute light output
- Lamp T5, CRI=80, color temp 3500K is standard and included.
- Paint after fabrication with white polyester paint finish.
- On/off rocker switch (included in supply pack) 120 volt use only.
- Universal voltage.

Options & accessories

Accessories that will ship separately order the following:

GLR-B (6 pack of 3 amp fusing)

CONV OUTLET (10 PACK)

Ordering information

Type	Length	Lamp qty–type	Lamp watts	Catalog no.	Electronic ballast type
Taskmaster Solid Front T5	22 ¾"	1-T5	14W	**TSF114WUNVPG BPR**	<10 Program rapid start
	34 ½"		21W	**TSF121WUNVPG BPR**	
	46 ¼"		28W	**TSF128WUNVPG BPR**	

EXAMPLE **TSF**

Taskmaster
Solid Front T8 Specification Undershelf Luminaire

1

Lamp
1 = Number of Lamps

28

Lamp/fixture length/watts
14 = 14W T5 (Nom 22")
21 = 21W T5 (Nom 34")
28 = 28W T5 (Nom 46")

W

Finish
W = White

UNV

Voltage
UNV= 120-277V
(Elec. T5 Ballast only)

PG

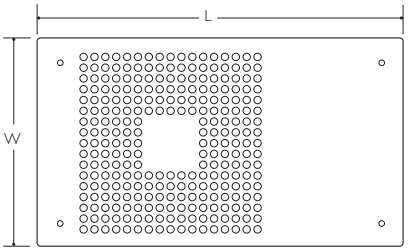
Ballast
HI = Program Rapid Start <10THD T5

BPR

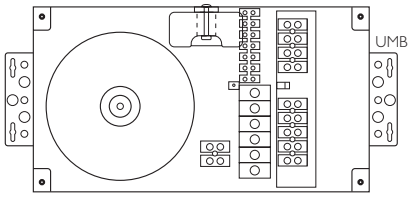
Bulk pack rocker switch
Can only be installed in a 120V application

Low voltage power supplies

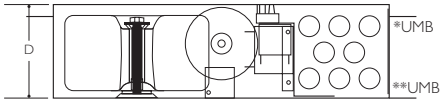
T-series transformers



Front view



Inside view



Side view

T-series premium toroidal power supply centers for optimal low voltage lighting performance

Housing

18 Gauge welded steel measuring 14.5"L x 8.0"W x 4.0"D (T1200 measures 17.0" L x 14.5"W x 4.0"D) with 21 knockouts and a barrier plate. Brackets (UMB – Universal Mounting Bracket) included to secure housing to a 2x4 wall stud for recess wall mounting or to surface mount. Door measures 15.5"L x 9.0"W (T1200 door 15.5"L x 18.0"W).

Multi-volt & taps

The Power Supply Center comes standard with five primary taps to provide secondary voltages of: 12V, 13V, 14V, and 15V or 24V, 26V, 28V, and 30V. Loads may be connected to one of the primary taps up to the full wattage rating of the PSC. The advantage is that loads at varying distances from the PSC can be tapped to recover voltage drop and produce between 85-100% light output.

Primary circuit protection

All units come with both a primary magnetic circuit breaker and a primary auto-reset thermal protector, which is built into the transformer. This thermal protector will temporarily disconnect the primary if the transformer overheats due to an overload or saturation from a faulty dimmer. Voltage drop calculator slide rule available on our web site: www.ardeelighting.com.

Sample catalog number: T150-120-12-3x05-CHS

Secondary circuit protection

Protected by up to 6 magnetic circuit breakers (up to 15 on the T1200). Breaker sized to feed load per N.E.C. Article 411 (not to exceed 25 amps per load). All wiring by the electrical contractor must be Class I compliant to N.E.C. Secondary breakers available in 5A, 10A, 15A, 20A, and 25A.

Toroidal choke

A Choke or "Debuzzing Coil" option reduces noise and in-rush current. A choke is especially helpful when dimming, to achieve quiet operation.

Compliances

UL low voltage fixture power supply center. Surface mount for wall or ceiling, or recessed mount for wall only. Internally protected. Suitable for use in closets with clothes in direct contact, or in insulated spaces with direct contact.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Ordering code

T [ ] – [ ] – [ ] – [ ] X [ ] – [ ]

Series

T
Toroidal transformer

Wattage

150	**300**	**450**	**600**	**750**	**1200**
150 watts	300 watts	450 watts	600 watts	750 watts	1200 watts

Primary power supply

120	**230**	**277**
120 volts	230 volts	277 volts

Secondary voltage

12	**24**
12 volts	24 volts

Circuit breaker quantity

1-6	**1-15**
up to 750w	up to 1200w

Specify quantity for each amperage, from lowest amperage to highest.
Repeat as needed with circuit breaker amperage.

Circuit breaker amperage

05	**10**	**15**	**20**	**25**
5 amp	10 amp	15 amp	20 amp	25 amp

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Optional choke

CHS	**CHL**	**CHXL**
Up to 300w	450-750w	Up to 1200w

Warning
All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Low voltage power supplies

800 series transformers

800 series best value!

The 800 Series Power Supply Center's economical toroidal transformers incorporate a multivolt feature ensuring proper voltage to the lamp, even on a dimmed circuit. The multivolt feature also permits the Power Supply to be mounted farther away from the fixtures without sacrificing light output.

Features

- 800 Series Power Supply Centers produce precise voltage regulation to prevent over or under driving a lamp. This maintains proper lamp output, color, and lamp life.
- More energy efficient than standard electromagnetic core and coil transformers and therefore generate less heat.
- Can be loaded to their capacity, no need to de-rate the load as in other transformers. This will reduce the number of transformers on a project as well as improve your low voltage system under Title 24.

Housing & mounting

18 gauge welded steel (dimensions in chart) with 3, 5, and 9 knockouts/circuit breaker slots. Built-in mounting bracket is designed for easy installation for both 6 planes of surface mounting and suspension by two 1/4" threaded rods. Standard finish is white powder coat.

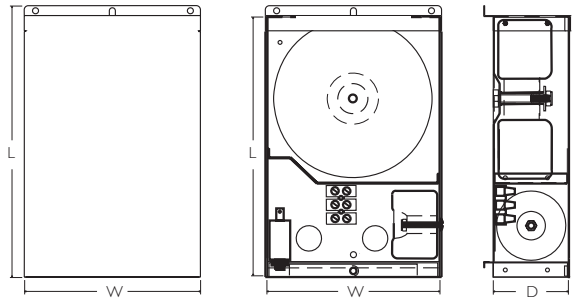
Secondary circuit

Protected by up to 9 magnetic circuit breakers. Appropriate size to the feed load per N.E.C. Article 411 (not to exceed 25 amps per load). All wiring by a certified electrical contractor must be Class compliant to N.E.C. Chapter 3. Available in 5A, 10A, 15A, 20A, and 25A. Must specify Quantity and Amperage for each breaker.

Toroidal choke

A Choke or "Debuzzing Coil" comes standard on every 800 Series unit to reduce noise and in-rush current.
Note: Not required for 50W & 100W transformers.

Sample Catalog Number: 800-0100-120-12-1x10



Dimension key					
Transformer	**L**	**W**	**D**	**Weight**	**CB Slots**
50w	8.63"	5.75"	3.1"	7 lb	3
100w	8.63"	5.75"	3.1"	8 lb	3
150w	8.63"	5.75"	3.1"	9 lb	3
300w	8.63"	5.75"	3.1"	11 lb	3
600w	11.0"	7.0"	4.5"	19 lb	5
900w	15.0"	10.0"	5.25"	35 lb	9
1200w	15.0"	10.0"	5.25"	40 lb	9
1500w	15.0"	10.0"	5.25"	45 lb	9
1800w	15.0"	10.0"	5.25"	55 lb	9

Toroidal transformer - dual tap (DT)

The 800 Series Power Supply Center utilizes two primary taps (12V, 12.5V or 24V, 25V). Loads may be connected to one of the primary taps up to the full wattage rating of the Power Supply Center. The advantage is that the PSC can be tapped to recover voltage drop and produce between 85%-100% light output. See Voltage Drop Calculator, page 7.50. Available in 120 and 277 volt primary. Consult factory for 230V and 50Hz.

Ordering code

800 – ____ – ____ – ____ – ____ x ____

Series

800
Toroidal transformer

Wattage

0050	**0100**	**0150**	**0600**	**0900**	**1200**	**1500**	**1800**
50 watts	100 watts	450 watts	600 watts	950 watts	1200 watts	1500 watts	1800 watts

Primary power supply

120	**230**	**277**
120 volts	230 volts	277 volts

Secondary voltage

12	**24**
12 volts	24 volts

Circuit breaker quantity

1-3	**1-5**	**1-9**
50-150w	300-600w	900-1800w

Specify quantity for each amperage, from lowest amperage to highest.
Repeat as needed with circuit breaker amperage.

Circuit breaker amperage

05	**10**	**15**	**20**	**25**
5 amp	10 amp	15 amp	20 amp	25 amp

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Warning
All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Low voltage power supplies

TW series transformers

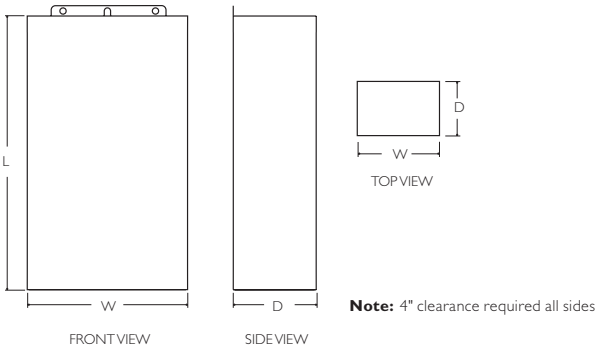
TW series magnetic transformers

TW Series remote transformers convert available 120 or 240 volt 60 Hz primary power supply to 12 or 24 volts for fixture operation. TW750 and smaller transformers are suitable for 230 volt 50 Hz. TW Series transformers are dimmable using dimmers compatible with magnetic transformers and are UL listed and c SP us certified. Remote transformers require appropriate secondary overcurrent protection. This can be achieved by secondary fuses and fuseholders or by use of a secondary low voltage breaker box. TW Series transformers should be de-rated by 20%.

Voltage drop is a key issue in low voltage system wiring. To ensure minimal voltage drop to your system, refer to the appropriate chart, for the transformer chosen, to determine wire size based on load and distance. The voltage drop chart for TW Series transformers can be found on page 7.50.

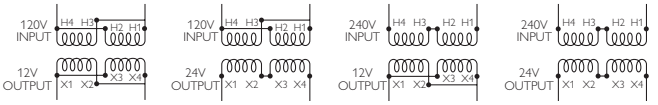
All TW Series transformers require separate secondary overcurrent protection. This can be provided by fuses and fuseholders (see below) or by Breaker Boxes, page 7.49. Order separately.

Dimension key				
Transformer	**L**	**W**	**D**	**Weight**
TW50	5.82"	3.19"	2.75"	4 lb
TW100	6.5"	4"	3.69"	5 lb
TW150	6.5"	4"	3.75"	7 lb
TW250	7.25"	4"	4"	10 lb
TW500	7.75"	4.5"	4.25"	15 lb
TW750	8.38"	4.75"	4.75"	19 lb
TW1000	9.125"	5.5"	5.25"	23 lb
TW1500	10.25"	5.5"	5.25"	32 lb
TW2000	11.75"	5.5"	5.38"	39 lb



Note: 4" clearance required all sides

Transformer wiring diagrams



Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.

Sample catalog number: TW150

Ordering Code

TW – ☐

Series

TW
Magnetic transformer

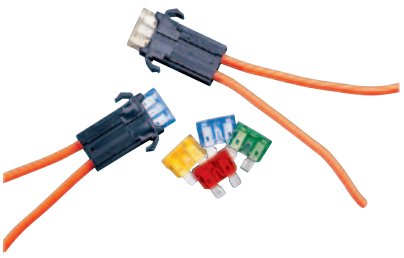
Wattage

50	100	150	250	500	750	1000	1500	2000
40 watts max	80 watts max	120 watts max	200 watts max	400 watts max	600 watts max	800 watts max	1200 watts max	1600 watts max

Fuses and holders

All low voltage circuits must be protected with in-line fuses properly sized to the load.

ILH30	In-line fuse holder, 30 amp capacity		
FP5	5 amp fuse	**FP20**	20 amp fuse
FP10	10 amp fuse	**FP25**	25 amp fuse
FP15	15 amp fuse	**FP30**	30 amp fuse



Warning

All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Low voltage power supplies

Breaker boxes & electronic transformers

Breaker boxes

Listed low voltage breaker boxes provide a convenient and easy way to handle multiple low voltage circuits. From one transformer low voltage power is brought from the transformer to the breaker box where wiring can be easily installed to screw down style contacts. Each circuit is protected by a resettable circuit breaker. Specify circuit breaker size when ordering.

Ordering information

To specify a complete catalog number, choose one item from the selection available in each module.
Sample catalog number: BB632-3x10

Ordering code

BB – [ ] – [ ] – [ ] – [ ] X [ ]

Series

BB
Low voltage breaker box

Maximum amperage

6 50 amp
8 80 amp

Number of breakers

2 (50 amp) **3** (either) **4** (80 amp) **5** (80 amp) **6** (80 amp) **7** (80 amp) **8** (80 amp)

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Secondary voltage

2 12 volts
4 24 volts

Circuit breaker quantity

1-3 50 amp box
1-8 80 amp box

Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker amperage.

Circuit breaker amperage

05 5 amp **10** 10 amp **15** 15 amp **20** 20 amp **25** 25 amp

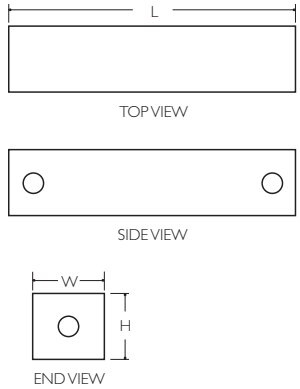
Specify quantity for each amperage, from lowest amperage to highest. Repeat as needed with circuit breaker quantity

Ordering information

TE series electronic transformers

Listed, features lightweight and compact design with self-resetting short circuit and overload protection. Dimmable using some compatible incandescent dimmers. 120 volt primary, secondary voltage as indicated. Refer to chart below for minimum load requirements. Maximum remote mounting distance is 20 feet.

Class I Transformers			
Catalog Number	**Description**		
TE72X	75 watt	12 volt	non-enclosed
TE72B	75 watt	12 volt	enclosed
TE74X	75 watt	24 volt	non-enclosed
TE74B	75 watt	24 volt	enclosed
TE152	150 watt	12 volt	enclosed
TE154	150 watt	24 volt	enclosed
TE32	300 watt	12 volt	enclosed
TE34	300 watt	24 volt	enclosed
Class II Transformers			
Catalog Number	**Description**		
TE62X	60 watt	12 volt	non-enclosed
TE62B	60 watt	12 volt	enclosed
TE64X	60 watt	24 volt	non-enclosed
TE64B	60 watt	24 volt	enclosed



Dimension key			
Transformer	**L**	**W**	**D**
TE72X	2.1"	1.294"	0.79"
TE72B	4.0"	4.0"	1.5"
TE74X	2.6"	1.294"	0.79"
TE74B	4.0"	4.0"	1.5"
TE152	6.5"	1.5"	1.38"
TE154	6.5"	1.5"	1.38"
TE32	9.38"	1.63"	1.44"
TE34	9.38"	1.63"	1.44"
TE62X	2.625"	1.375"	1.125"
TE62B	4.0"	4.0"	1.5"
TE64X	2.625"	1.375"	1.125"
TE64B	4.0"	4.0"	1.5"

Low voltage power supplies

Voltage drop charts

800 series voltage drop

800 series 24V voltage drop chart

S or D	TAP	AWG.	Volts @5'	Volts @10'	Volts @15'	Volts @20'	Volts @25'	Volts @30'	Volts @35'	Volts @40'	Volts @45'	Volts @50'	Volts @55'	Volts @60'
S	#1	#10	24.2	24.0	23.7	23.5	23.2	22.9	22.7	22.4	22.2	21.9	21.6	21.4
S	#1	#8	24.3	24.2	24.0	23.9	23.7	23.6	23.4	23.2	23.1	22.9	22.8	22.6
S	#2	#10	25.3	25.1	24.8	24.6	24.3	24.0	23.8	23.5	23.3	23.0	22.7	22.5
S	#2	#8	25.4	25.3	25.1	25.0	24.8	24.7	24.5	24.3	24.2	24.0	23.9	23.7
D	#2	#10	24.2	24.0	23.7	23.5	23.2	22.9	22.7	22.4	22.2	21.9	21.6	21.4
D	#2	#8	24.3	24.2	24.0	23.9	23.7	23.6	23.4	23.2	23.1	22.9	22.8	22.6

800 series 12V voltage drop chart

S or D	TAP	AWG.	Volts @5'	Volts @10'	Volts @15'	Volts @20'	Volts @25'	Volts @30'	Volts @35'	Volts @40'	Volts @45'	Volts @50'	Volts @55'	Volts @60'
S	#1	#10	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9	9.7	9.4	9.1
S	#1	#8	12.1	11.9	11.8	11.6	11.5	11.3	11.2	11.0	10.8	10.7	10.5	10.4
S	#2	#10	12.5	12.3	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9	9.7
S	#2	#8	12.6	12.5	12.3	12.2	12.0	11.8	11.7	11.5	11.4	11.2	11.1	10.9
D	#2	#10	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9	9.7	9.4	9.1
D	#2	#8	12.1	11.9	11.8	11.6	11.5	11.3	11.2	11.0	10.8	10.7	10.5	10.4

Warning
Supplying greater than 24 volt or 12 volt to the low voltage lighting fixture will increase heat and greatly reduce lamp life.

Note: T-Series transformer voltage drop calculator is available as a slide-rule on the Ardee Lighting web site located in the Gear section.

TW Series voltage drop (secondary wire lengths in feet)

Chart shows secondary wire lengths in feet for low voltage circuits to provide a max. 6% voltage drop

Watts	12 Volt systems				24 Volt systems			
	14Awg	12Awg	10Awg	8Awg	14Awg	12Awg	10Awg	8Awg
5	288	457	728	1155	575	914	1456	2310
10	144	229	364	578	288	457	728	1155
12	120	190	303	481	240	381	607	963
20	72	114	182	289	144	229	364	578
35	41	65	104	165	82	131	208	330
40	36	57	91	144	72	114	182	289
50	29	46	73	116	58	91	146	231
60	24	38	61	96	48	76	121	193
80	18	29	46	72	36	57	91	144
100	14	23	36	58	29	46	73	116
120	12	19	30	48	24	38	61	96
140	10	16	26	41	21	33	52	83
150	10	15	24	39	19	30	49	77
160	9	14	23	36	18	29	46	72
180	8	13	20	32	16	25	40	64
200	7	11	18	29	14	23	36	58
220	7	10	17	26	13	21	33	53
240	6	10	15	24	12	19	30	48
250	6	9	15	23	12	18	29	46
260	6	9	14	22	11	18	28	44
280	5	8	13	21	10	16	26	41
300	5	8	12	19	10	15	24	39
320					9	14	23	36
340					8	13	21	34
350					8	13	21	33
360					8	13	20	32
380					8	12	19	30
400					7	11	18	29
420					7	11	17	28
440					7	10	17	26
460					6	10	16	25
480					6	10	15	24
500					6	9	15	23
520					6	9	14	22
540					5	8	13	21
560					5	8	13	21
580					5	8	13	20
600					5	8	12	19

Low voltage power supplies

Basic installation rules

Basic installation rules

These drawings depict the most common, and/or the standard wiring, for our TW Series magnetic and 800 Series toroidal transformers. (Or other standard magnetic remote transformers.) A few rules to follow for wiring of Clikstrip:

1. With low voltage and remote transformers, secondary overcurrent protection is required.

This is accomplished three ways –

- **a.** fusing the secondary as shown
- **b.** breaker box or transformer with integral breakers used (our 800 Series and T Series power supplies)
- **c.** electronic transformers have overcurrent protection integral to the unit

2. Wire gauge is sized by amperage.

3. The lower the voltage, the higher the amperage.

4. On a single pole, 20A circuit breaker in the panel, the maximum capacities are as follows –

- **a.** 1920W max. at 24V
- **b.** 960W max. at 12V

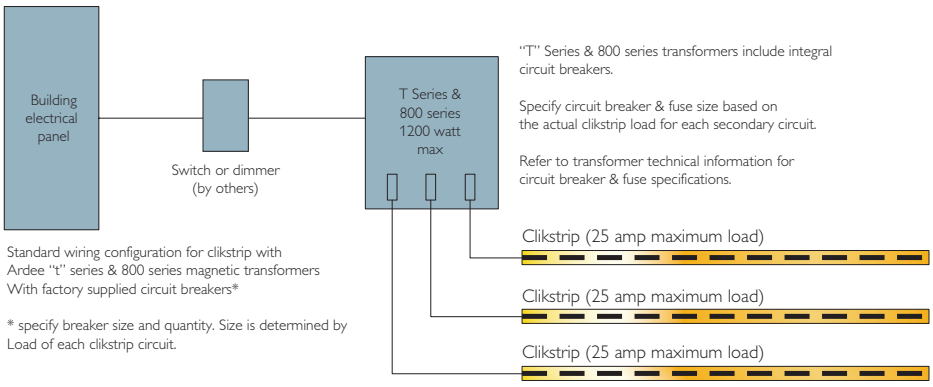
5. On a single pole, 15A circuit breaker in the panel, the maximum capacities are as follows:

- **a.** 1440W max. at 24V
- **b.** 720W max. at 12V

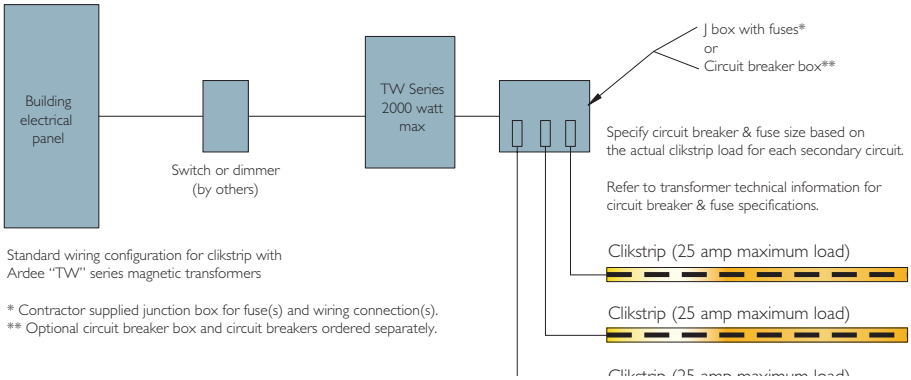
6. TW Series magnetic transformers must be derated 20%.

7. Our 800 Series, T Series power supplies, and electronic transformers don't require derating.

T Series & 800 series transformer wiring diagram



TW Series transformer wiring diagram



Warning

All circuits must be properly protected by in-line fuses, circuit breakers, or thermal devices which are correctly sized to the load. It is strongly recommended that circuit layout and power requirements be determined by professionals and that installation be made only by qualified electricians.

Exit and emergency

Section 8

Comprehensive, effective solutions no matter what your need – exit, industrial or safety lighting.

Philips Lightolier Safety Lighting Systems products are creatively developed, architecturally designed and utilize technologically advanced electronics, LEDs and environmentally friendly batteries. Many of our products feature advanced self-diagnostics which provide continuous real-time monitoring of the charging system, battery and lamps. These products are also compatible with a handheld infrared remote test device. Optional self-testing feature automatically runs a self-test satisfying the periodic testing requirements as defined in NFPA 101 Life Safety Code.

Contents

Exit signs > 8.2
Commercial products > 8.26
Industrial/hazardous products > 8.70
AC emergency lighting systems > 8.82

Exit signs

Philips Lightolier's collection of exit signs include architecturally designed exits that will satisfy critical requirements of Lighting Designers and Architects for applications where aesthetics are important. Our Outlook and LG Series unique architectural forms complement interior designs. Products are designed using proven reliable electronics, LEDs and environmentally friendly batteries ensuring long service life of products.

Contents

DX2 Outlook > 8.4
EX2 Outlook > 8.5
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LG > 8.7
LGS > 8.8
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LR > 8.12
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LLC II > 8.19
LU > 8.20
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MJ5 > 8.22
MJ6 > 8.23
MJ8 > 8.24
SD2 > 8.25

DX2 Outlook

Die cast exit

The DX2 series is a minimalistic designed die cast aluminum exit that offers technologically advanced electronics in a uniquely thin profile of just 0.65". Housing is completed with an upscale brushed aluminum finish that allows DX2 Series to satisfy critical requirements of architects and lighting designers.

Features

Illumination: Illumination is accomplished with high output LEDs. Internal molded acrylic panel (0.45" thickness) provides even illumination.

Housing: Die cast aluminum construction has a uniquely thin profile of just 0.65". Available in brushed aluminum finish or powder coat paint finishes of white or black. Field selectable chevrons are incorporated within the housing.

Self-diagnostic/self-testing: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. Self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Diagnostics and Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel metal hydride battery has an expected 10 year life and an operating temperature between 14°F (-10°C) and 113°F (45°C). Battery is non-toxic, environmentally friendly and is recyclable. Provides 90 minutes of emergency operation.

Input power requirements

AC Only

Red: 1.70W (120VAC); 1.72W (277VAC)
Green: 2.69W (120VAC); 2.72W (277VAC)

Emergency operation

Red: 2.66W (120VAC); 2.72W (277VAC)
Green: 4.09W (120VAC); 4.14W (277VAC)

Code compliance

UL 924, NFPA 101, Meets ADA specifications for wall mounted lighting fixtures. NEMA Premium certified.

Warranty

Electronics: 5 year; Battery: 5 years full, 5 years pro-rata.

Infrared remote testing compatible with SDREMOTE hand-held remote test device

How to specify

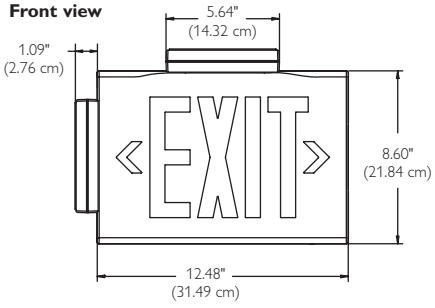
DX2							
Series	Number of faces	Letter color	Mounting	Housing finish	Battery	Standard option	Factory installed options
DX2 = Die Cast Aluminum Exit Series	**1** = Single face **2** = Double face	**R** = Red **G** = Green	**C** = Ceiling/ End **W** = Wall Mount[1]	**A** = Brushed Aluminum **W** = White **B** = Black	**Blank** = No battery, AC only operation **N** = NiMH	**Blank** = AC-only, no battery models **SD2T** = Self-diagnostic/ self-testing[2] **SD2T** = self-testing diagnostics, must be specified with NiMH models	**A** = Audible self-testing diagnostics[2] **BF** = Buzzer/Flasher[2] **BZ** = Buzzer[2] **DC** = 12-48 VDC remote emergency input[3] **DL** = Damp location listing **EX** = Custom voltage/ frequency (consult factory) **FA** = Fire alarm activated flasher[3] **FL** = Emergency mode flasher[2] **2CKT1** = 120/120 VAC two circuit **2CKT2** = 277/277 VAC two circuit

Accessories (order as a separate item)
SDREMOTE = Intelli-charge infra-red remote

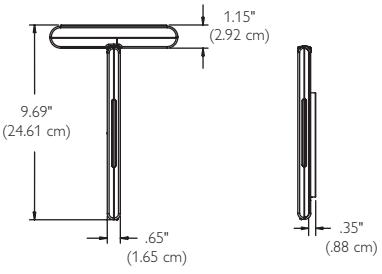
Notes
1. Single face signs only
2. NiMH Units only
3. AC Only Units

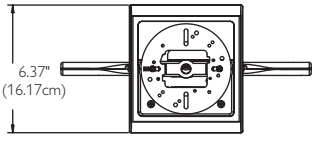
Dimensions

Front view



Side view





EX2 Outlook

Edge-lit exit

The EX2 series design blends function with clean, simple lines and the elegant brushed aluminum finish complements the architecturally designed housing.

How to specify

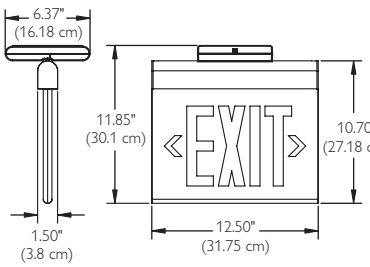
EX2								
Series	Number of faces	Letter color	Chevron direction	Mounting	Panel color	Battery	Standard option	Factory installed options
EX2 = Edge-lit Exit Series	**1** = Single face **2** = Double face	**R** = Red **G** = Green	**3** = No Chevron **4** = Right Chevron[1] **5** = Left Chevron[1] **6** = Dbl Chevron **7** = Left & Right Chevron[2]	**RC** = Recessed Ceiling **SC** = Surface Ceiling **W** = Surface Wall Mount[1] **E** = Surface End Mount	**C** = Clear[1] **W** = White **M** = Mirror	**Blank** = No battery, AC only operation **N** = NiMH	**Blank** = AC-only, no battery models **SD2T** = Self-diagnostic/ self-testing[2] **SD2T** = self-testing diagnostics, must be specified with NiMH models	**A** = Audible self-testing diagnostics[3] **BF** = Buzzer/ Flasher[3] **BK** = Black Face Plate and/or Housing **BZ** = Buzzer[3] **DC** = 12-48 VDC remote emergency input[4] **DL** = Damp location listing **EX** = Custom voltage/frequency (consult factory) **FA** = Fire alarm activated flasher[4] **FL** = Emergency mode flasher[3] **WH** = White Face Plate and/or Housing **X** = Less Backbox[5] **2CKT1** = 120/120 VAC two circuit **2CKT2** = 277/277 VAC two circuit

Accessories (order as a separate item)
EX2BBKIT = Back Box Kit
EX2BBKIT2CKT1 = Back Box Kit for 120v two circuit exits
EX2BBKIT2CKT2 = Back Box Kit for 277v two circuit exits
SDREMOTE = Intelli-charge infra-red remote
SL-KIT = Bar Hanger Kit

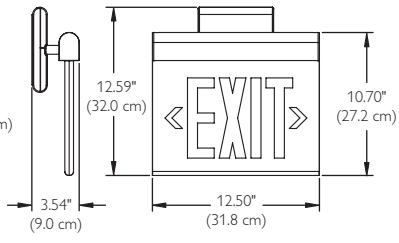
Notes
1. Single face signs only
2. Double face signs only
3. NiMH Units only
4. AC Only units
5. Order appropriate back box for preshipment.

Dimensions

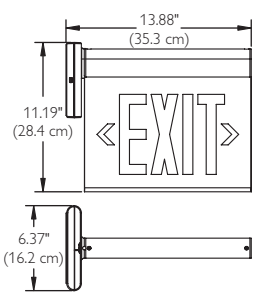
Surface Ceiling (SC) - No Backbox



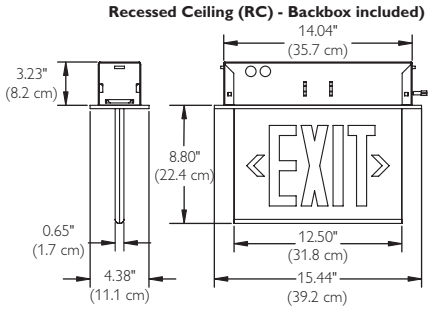
Wall (W) - No Backbox



End (E) - No Backbox



Recessed Ceiling (RC) - Backbox included)



Features

Illumination: Illumination is accomplished with high output LEDs. Sonically welded compression molded acrylic panel provides higher light output and evenly illuminated letters.

Housing: Available in both recessed and surface mount. Surface mount version contains electronics in a clean designed, low profile brushed aluminum housing. Powder coat paint finishes of white or black are also available.

Self-diagnostic/self-testing: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. Self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Diagnostics and Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel metal hydride battery has an expected 10 year life and an operating temperature between 14°F (-10°C) and 113°F (45°C). Battery is non-toxic, environmentally friendly and is recyclable. Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: 3.60W (120VAC); 3.68W (277VAC)
Green: 3.80W (120VAC); 3.90W (277VAC)

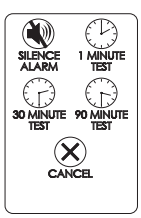
Emergency operation
Red: 5.00W (120VAC); 5.00W (277VAC)
Green: 5.25W (120VAC); 5.25W (277VAC)

Code compliance

UL 924, NFPA 101, Meets ADA specifications for wall mounted lighting fixtures. NEMA Premium certified.

Warranty

Electronics: 5 year; Battery: 5 years full, 5 years pro-rata.



Infrared remote testing compatible with SDREMOTE hand-held remote test device

TX2 Outlook

Thermoplastic exit

The TX2 series is a minimalistic designed thermoplastic exit that offers technologically advanced electronics in a thin profile (0.65" thick) to meet unique requirements of architects and lighting designers.

Features

Illumination: Illumination is accomplished with high output LEDs. Internal molded acrylic panel (0.45" thickness) provides even illumination.

Housing: Thermoplastic construction has a uniquely thin profile of just 0.65". Available in white or black finish. Field selectable chevrons are incorporated within the housing.

Self-diagnostic/self-testing: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. Self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Diagnostics and Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel metal hydride battery has an expected 10 year life and an operating temperature between 14°F (-10°C) and 113°F (45°C). Battery is non-toxic, environmentally friendly and is recyclable. Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: 1.70W (120VAC); 1.72W (277VAC)
Green: 2.69W (120VAC); 2.72W (277VAC)

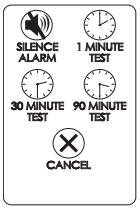
Emergency operation
Red: 2.66W (120VAC); 2.72W (277VAC)
Green: 4.09W (120VAC); 4.14W (277VAC)

Code compliance

UL 924, NFPA 101, Meets ADA specifications for wall mounted lighting fixtures. NEMA Premium certified.

Warranty

Electronics: 5 year; Battery: 5 years full, 5 years pro-rata.



Infrared remote testing compatible with SDREMOTE hand-held remote test device

How to specify

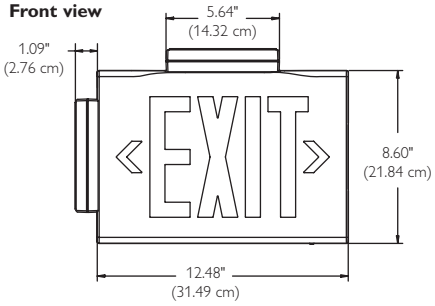
TX2							
Series	Number of faces	Letter color	Mounting	Housing finish	Battery	Standard option	Factory installed options
TX2 = Thermoplastic Exit Series	**1** = Single face **2** = Double face	**R** = Red **G** = Green	**C** = Ceiling/ End **W** = Wall Mount[1]	**W** = White	**Blank** = No battery, AC only operation **N** = NiMH	**Blank** = AC-only, no battery models **SD2T** = Self-diagnostic/ self-testing[2] **SD2T** = self-testing diagnostics, must be specified with NiMH models	**A** = Audible self-testing diagnostics[2] **BF** = Buzzer/Flasher[2] **BZ** = Buzzer[2] **DC** = 12-48 VDC remote emergency input[3] **DL** = Damp location listing **EX** = Custom voltage/ frequency (consult factory) **FA** = Fire alarm activated flasher[3] **FL** = Emergency mode flasher[2] **2CKT1** = 120/120 VAC two circuit **2CKT2** = 277/277 VAC two circuit

Accessories (order as a separate item)
SDREMOTE = Intelli-charge infra-red remote

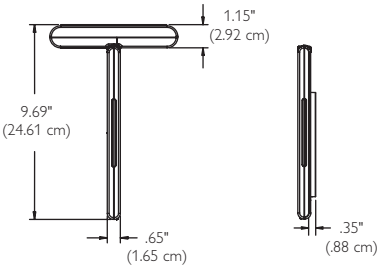
Notes
1. Single face signs only
2. NiMH Units only
3. AC Only Units

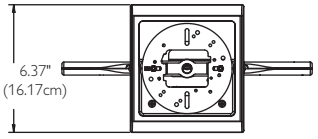
Dimensions

Front view



Side view





LG

LG series edge-lit exit

Creative styling combined with attractive finish options allows the LG Series to blend well with any commercial or architectural space. Unique universal mounting capabilities of the LG Series eliminates the need to specify mounting configurations.

How to specify

LG					
Model series	Battery	Number of faces	Letter color	Housing Finish	Standard features
LG = Architectural Edge-Lit Exit	**A** = AC Only **N** = Nickel Cadmium	**1** = Single **2** = Double	**RC** = Red on Clear[1] **RW** = Red on White **RM** = Red w/ Mirrored **GC** = Green on Clear[1] **GW** = Green on White **GM** = Green w/ Mirrored	**A** = Brushed Aluminum **B** = Black **W** = White	**Blank**= AC-only, no battery models **SD2**=Self Diagnostics

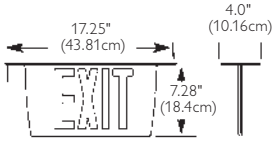
Options[3]
2CKT1 = 120 VAC Two Circuit
2CKT2 = 277 VAC Two Circuit
BF = Buzzer Flasher
BZ = DC Buzzer
DC = 12-48 VDC Input
EX = Special Input Transformer
FA = 24 VDC Fire Alarm Interface (reg. constant DC voltage)
FL = Emergency Flasher
LBB = Unit less black box[2]
NY8 = 8" Letters
SW = Special Wording/Graphics (Consult factory)
T = Self-Testing Non-Audible[1]
TA = Self-Testing w/Audible Alarm
AC = Aged Copper Housing/Trimplate
BR = Ornamental Bronze Housing/Trimplate
G = Gunmental Housing/Trimplate
GR = Granite Housing/Trimplate
VG = Velvet Green Housing/Trimplate

Accessories
BBKIT = Back Box Kit
BBKITDC = Back Box Kit with DC option
BBKIT2CKT1 = Back Box Kit with 2CKT1 option
BBKIT2CKT2 = Back Box Kit with 2CKT2 option
SDREMOTE = Infrared Test Device
PKIT12A = Pendant Kit, 12" Aluminum Finish
PKIT12BK = Pendant Kit, 12" Black Finish
PKIT12WH = Pendant Kit, 12" White Finish
PKIT24W = Pendant Kit, 24" white finish
PKIT24B = Pendant Kit, 24" black finish
PKIT36W = Pendant Kit, 36" white finish
PKIT36B = Pendant Kit, 36" black finish
PKIT48W = Pendant Kit, 48" white finish
PKIT48B = Pendant Kit, 48" black finish

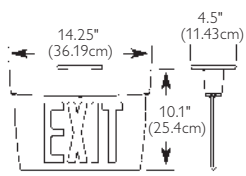
Notes
1) Not available on double face signs.
2) Order appropriate backbox for preshipment.
3) Certain option combinations may impact UL listing, consult factory for details.

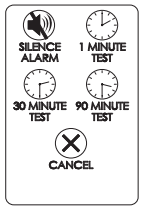
Dimensions

6" Recessed ceiling mount



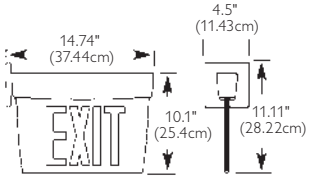
6" Surface ceiling mount



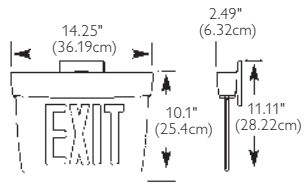


Infrared remote testing compatible with SDREMOTE hand-held remote test device

6" Surface end mount



6" Surface wall mount



Features

Illumination: Illumination is accomplished with high output LEDs. Architecturally influenced acrylic panel design provides even illumination of letters and the field selectable chevrons.

Housing: Universal mounting is a standard feature that allows for Recessed Ceiling, Surface Ceiling, Surface End or Surface Wall. Housing and components are premium die-cast aluminum construction. Bar hanger kit and ceiling trimplate are provided as a standard feature. A wide range of optional, attractive powder coat finishes are available.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years and an operating temperature between 32°F (0°C) and 104°F (40°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: 3.80W (120VAC); 3.80W (277VAC)
Green: 4.00W (120VAC); 4.00W (277VAC)

Emergency operation
Red: 4.70W (120VAC); 4.81W (277VAC)
Green: 4.71W (120VAC); 4.67W (277VAC)

Code compliance

UL 924, UL Damp Location, NFPA 101, Meets ADA specifications for wall mounted lighting fixtures. NEMA Premium certified.

Warranty

Electronics: 5 year; Battery: 5 years full, 5 years pro-rata.

LGS

LGS series signage

White LEDs allows for choice of custom wording and graphics while using colors such as blue, black and yellow. The LGS signage is ideal for healthcare, retail and international projects.

Features

Illumination: Illumination is accomplished with high output white LEDs. White LEDs allow for the colors of the computer generated custom wording and graphics to be blue, black, yellow as well as traditional red and green.

Housing: Universal mounting is a standard feature that allows for Recessed Ceiling, Surface Ceiling, Surface End or Surface Wall. Housing and components are premium die-cast aluminum construction. Bar hanger kit and ceiling trimplate are provided as a standard feature. A wide range of optional, attractive powder coat finishes are available.

Electronics: 120/277 VAC dual voltage input with surge protected, solid-state circuitry.

Input power requirements

AC Only
9.1W (120VAC)
9.3W (277VAC)

Code compliance

UL 48 listed, IC rated, UL Damp Location 32°F (0°C) and 104°F (40°C), Meets ADA specifications for wall mounted lighting fixtures.

Warranty

Electronics: 5 years

How to specify

LGS						
Series	Housing finish	# of faces	Graphics color	Lens insert	Special wording	Factory installed options
LGS = LG Series White LED AC Only Signage	**A** = Brushed Aluminum **B** = Black **W** = White **N** = Nickel **G** = Gunmetal **BR** = Ornamental Bronze **AC** = Aged Copper **VG** = Velvet Green **GR** = Granite	**1** = Single **2** = Double	**R** = Red **G** = Green **B** = Blue **K** = Black **Y** = Yellow	**Blank** = Clear **M** = Mirror	**See Back Page**	**Blank** = No options **FL** = AC Flasher **RFL** = Remote Switched Flasher

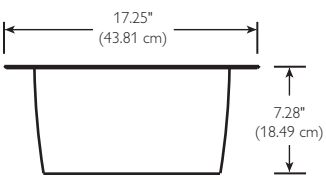
Options
FL - AC Flasher option enables the sign to operate in a 50% duty cycle flashing mode any time AC power is present. This option allows off or flashing operation.
RFL - Remote Switched Flasher option allows for an external, normally open, dry contact switch to control the flashing mode. This mode allows for off, on, or flashing operation.

Accessories
PKIT12B = Pendant Kit, 12", Black Finish
PKIT12W = Pendant Kit, 12", White Finish

Note
Custom pendant lengths and colors available, consult factory.

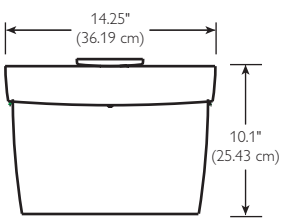
Dimensions

Front view



Side view

Front view



Side view

LD2

LD2 series die cast exit

The LD2 series die cast aluminum exits offer advanced electronics and many options including low level remote exits.

How to specify

LD2					
LD2 Series	Battery	Stencil faces	Letter color	Stencil face/ housing color	Standard feature
LD2 = Die Cast Aluminum LED Exit	**A** = AC Only **N** = Nickel Cadmium	**1** = Single **2** = Double	**R** = Red **G** = Green	**A** = Natural Brushed Aluminum Face w/ Black Housing **B** = Black Stencil Face w/ Black Housing **N** = Natural Brushed Aluminum Face w/ Natural Brushed Aluminum Housing **W** = White Stencil Face w/ White Housing **WA** = Natural Brushed Aluminum Face w/ White Housing	**Blank** = AC-only, no battery models **SD2** = Self Diagnostics (Nickel Cadmium units only)

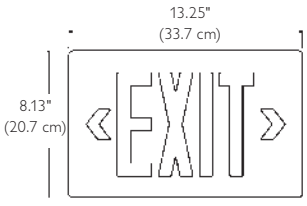
Options
2CKT1 = 120 VAC Two Circuit
2CKT2 = 277 VAC Two Circuit
BF = Buzzer/Flasher[1] (Emergency operation only)
BZ = DC Buzzer[1] (Emergency operation only)
DC = 12-48 VDC remote emergency input (AC-only models)
DL = UL Damp Location Listing
EX = Custom voltage/frequency (consult factory)[1]
FA = Fire alarm activated flasher
FL = Emergency Mode Flasher[1] (Emergency operation only)
SW = Special Wording/Graphics (consult factory)[2]
T = Self-testing Diagnostics
TA = Audible Self-testing Diagnostics
TP = Tamperproof Screws (Requires TPTOOL)
VRS = Vandal Resistant Lens

Accessories
PKIT12W = Pendant Kit, 12" White Finish
PKIT12B = Pendant Kit, 12" Black Finish
SDREMOTE = Infrared Remote Test Device
T15TPTOOL = Tamperproof Screwdriver
PCS1 = Polycarbonate Vandal Shield
WG4 = Wire Guard
WG10 = Wire Guard for Side Mounting

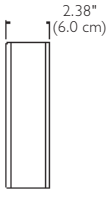
Notes
1) Some options may impact the UL listing. Consult factory for specifics.
2) Utilizes larger housing - 13.5" x 8.5" x 2.5"

Dimensions

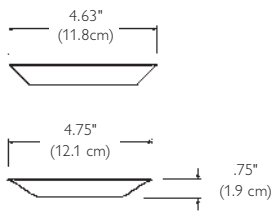
Front view



Side view



Standard canopy



Features

Illumination: Illumination is accomplished with high output LEDs.

Housing: Die cast aluminum construction finished with powder coat paint finishes. Field selectable chevrons are incorporated within the housing. A mounting canopy is provided for top and side mount installations. Universal knockouts located on backplate allow for wall mounting direct to junction box.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery has an estimated service life of 5 years and an operating temperature between 32°F (0°C) and 104°F (40°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: 3.8W (120VAC); 3.8W (277VAC)
Green: 4.0W (120VAC); 4.0W (277VAC)

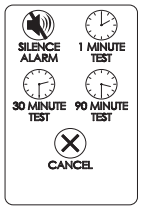
Emergency operation
Red: 4.7W (120VAC); 4.8W (277VAC)
Green: 4.7W (120VAC); 4.7W (277VAC)

Code compliance

UL 924, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards. UL Damp Location listing is optional. NEMA Premium certified.

Warranty

Electronics: 5 years; Battery: 5 years full, 5 years pro-rata.



Infrared remote testing compatible with SDREMOTE hand-held remote test device

LWL2

LWL2 series wet location exit

The LWL2 series is a robust exit that is suitable for use in wet location, cold weather and harsh environments. Durable die-cast aluminum construction and polycarbonate lens covers provide protection against natural and intentional abuse.

Features

Illumination: Illumination is accomplished with high output LEDs. Hot spots and striations are eliminated by the internal light chamber.

Housing: Constructed of die cast aluminum with premium impact-resistant injection molded polycarbonate covers. Face stencil is stamped with field selectable chevrons and is contained inside the fully gasketed housing. Provisions in the cast frame allow for up to two ½" flex or rigid conduit points.

Self-diagnostic/self-testing: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. Self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Diagnostics and Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery has an expected 10 year life and an operating temperature between -40°F (-40°C) and 113°F (45°C). Provides 120 minutes of emergency operation.

Input power requirements

AC Only

Red: 3.8W (120VAC); 3.8W (277VAC)
Green: 4.0W (120VAC); 4.7W (277VAC)

Emergency operation

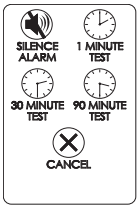
Red: 4.7W (120VAC); 4.8W (277VAC)
Green: 4.7W (120VAC); 4.7W (277VAC)

Code compliance

UL 924, UL Damp and Wet Location, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards. Meets ADA specifications for wall mounted lighting fixtures. NEMA Premium certified.

Warranty

Electronics: 5 years; Battery: 5 years full, 5 years pro-rata.



Infrared remote testing compatible with SDREMOTE hand-held remote test device

How to specify

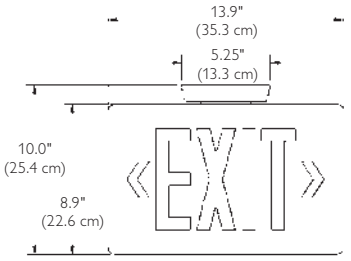
LWL2						
Series	Battery	Face	Letter options	Stencil face/ color		Standard feature housing color
LWL2 = LWL2 Series Wet/Damp Location LED Exits	**N** = Nickel Cadmium **A** = AC Only	**1** = Single **U** = Universal	**R** = Red **G** = Green Single/ Double Face	**W** = White Housing and White Stencil **B** = Black Housing and Black Stencil **G** = Gray Housing and Gray Stencil **WA** = White Housing / Brushed Aluminum Stencil **BA** = Black Housing / Brushed Aluminum Stencil **GA** = Gray Housing / Brushed Aluminum Stencil		**Blank**= AC-only, no battery models **SD2T** = Self-Diagnostics/Self-Testing[1] **Notes** 1) SD2T option is standard on all nickel cadmium units and should be designated at time of order

Options
A = Self-Diagnostics with audible alarm
BF = Buzzer/Flasher (Emergency units only)
BZ = DC Buzzer
EX = Special Input Transformer (consult factory)
FA = 24 VDC Fire Alarm Interface
FL = Emergency Flasher (Emergency units only)
SW = Special Wording (Consult factory)
PM = Knock-out only for pendant mounting. Pendant kit must be ordered separately.
2CKT1 = 120 VAC Two Circuit
2CKT2 = 277 VAC Two Circuit

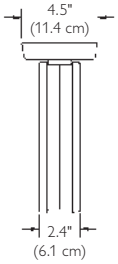
Accessories
T15TPTOOL = Tamperproof Screwdriver
SDREMOTE = Infrared Test Device
TPKITB (W) = Pendant Kit w/ 12" Stem, Black (White) (Consult factory for longer lengths)

Dimensions

Front view



Side view



TE

Self-luminous exit

The TE series does not require external power, thus eliminating wiring and minimizing installation costs with no further maintenance required. These signs can solve unique installation problems quickly and reliably, and are designed to operate in harsh, corrosive, humid or explosive environments.

How to specify

TE				
Model series	Face color	Arrow	Useful life	Number of faces
TE = Self-Luminous Tritium Exit	**R** = Red **G** = Green	**U** = Universal	**10** = 10 Year Life **15** = 15 Year Life **20** = 20 Year Life	**S** = Single **D** = Double

Options
BK = Black Plastic Frame
WH = White Plastic Frame
IF1 = Black Aluminum Vandal Resistant Frame [1]
IF5 = Brushed Vandal Resistant Frame [1]
PW = Polycarbonate Lens
AF = Aluminum Frame [2]

Notes
1) Angled frame deflects impact, standard with 3/8" polycarbonate lens. Single Face Dimensions: 16.75" x 12.25" x 1.75"; Double Face Dimensions: 16.75" x 8.25" x 3.75"

Accessories
PKITTRB = 12" Pendant Kit, Black
PKITTRG = 12" Pendant Kit, Gray
PKITTRW = 12" Pendant Kit, White
TPC-B = Ceiling Mounting Canopy, Black
TPC-G = Ceiling Mounting Canopy, Gray
TPC-W = Ceiling Mounting Canopy, White
WG4 = Wall Mount Wire Guard
WG10 = Side Mount Wire Guard
PCS1 = Polycarbonate Vandal Shield
TDRBRKT = Bracket for End/Back Mount Aluminum Frame

Features

Illumination: Illumination of the exit stencil face is accomplished with borosilicate glass sealed tubes internally coated with zinc sulfide phosphor and filled with tritium gas. The sign is available with either 10, 15 or 20 year life.

Housing: The TE Series' attractive ABS flame retardant housing comes standard with a gray frame, black or white frames are optional. The TE Series is easily installed for ceiling, wall or flush mount applications. Its tamperproof and vandal resistant design incorporates a high impact polycarbonate face.

Electronics: No external power source required.

Code compliance

UL 924 listed.

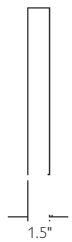
Warranty

10, 15 or 20 year warranty provided, depending on the product useful life version. Exits with the vandal resistant frame and 20 year life are warranted for a maximum of 15 years.

Dimensions

Front view

Side view



Double face sign is 3.0" wide (7.62cm)

LR

Fully recessed exit

The LR series is a fully recessed die cast aluminum exit sign that can be mounted in typical above the door applications as well as low level installations where flush recessed installations are required.

Features

Illumination: Illumination is accomplished with long lasting, high output LEDs.

Housing: Constructed of die cast aluminum with NFPA-type field selectable chevrons. Housing and stencil face castings are available with durable epoxy-based powder coat paint finishes. Includes 20 gauge galvanized steel mounting frame for fully recessed drywall installations. The outer trim flange is painted white or black to match the exit stencil or wall finish. Its slim 2.5" recessed depth allows mounting flexibility in shallow aluminum stud wall systems, as well as standard wood stud/sheetrock applications.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery with 10-year life. Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: 3.8W
Green: 4.0W

Emergency operation
Red: 4.8W
Green: 4.7W

Code compliance

UL 924 listed. NFPA 101, NEC, OSHA, BOCA and IBC illumination standards. NEMA Premium certified.

Warranty

Electronics: 5 years
Battery: 5 year full, 5 years pro-rata

How to specify

LR				
Model series	Battery	Stencil faces	Letter color	Stencil face/ housing color
LR = Fully Recessed Die-Cast Aluminum LED Exit	**N** = Nickel Cadmium **A** = AC Only	**1** = Single	**R** = Red **G** = Green	**A** = Natural Brushed Aluminum Face w/ Black Housing **B** = Black Stencil Face w/ Black Housing **W** = White Stencil Face w/ White Housing **WA** = Natural Brushed Aluminum Face w/ White Housing

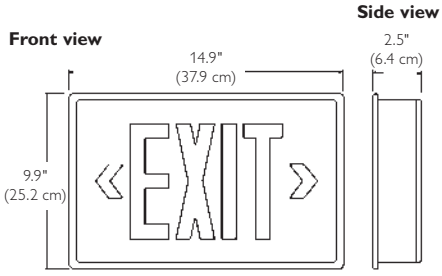
Options
2CKT1 = 120 VAC Two Circuit
2CKT2 = 277 VAC Two Circuit
BF = Buzzer/Flasher (Emergency units only)
BZ = Buzzer (Emergency units only)
DC6 = 6VDC Remote Emergency Power
DC12 = 12VDC Remote Emergency Power
EX= Special Input Transformer (Specify voltage & frequency)
FA = 24 VDC Fire Alarm Interface
FL = Emergency Flasher
LCR = Low Level Matching Exit
TP = Tamperproof Screws (Requires T15TPTOOL)
VRS = Vandal Resistant Lens with Tamperproof Hardware

Accessories
T15TPTOOL = Tamperproof Screwdriver

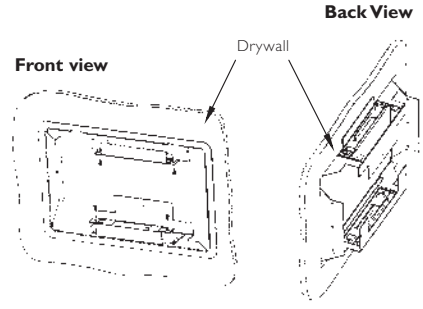
Notes
Multiple option configurations may void UL listing. Consult factory for specifics.

Dimensions

Installed sign



Recessed frame and mounting brackets



LS

Institutional duty exit

The LS series are designed for low level applications and feature a polycarbonate face and beveled housing to guard against intentional abuse.

How to specify

LS			
Model series	Battery	Frame Color	Stencil face/ housing color
LS = Institutional Duty Exit	**N** = Nickel Cadmium **A** = AC Only (Does not require backbox unless options are added.)	**B** = Black **W** = White	**AR** = Brushed Aluminum w/ Red Letters **AG** = Brushed Aluminum w/ Green Letters **WR** = White w/ Red Letters **WG** = White w/ Green Letters **BR** = Black w/ Red Letters **BG** = Black w/ Green Letters

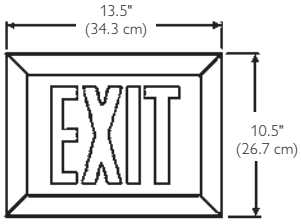
Options
FA = 24 VDC Fire Alarm Interface (regulated constant DC voltage)
FL = Flasher (Emergency operation only)
2CKT1 = 120 VAC Two Circuit
2CKT2 = 277 VAC Two Circuit
TP = Tamperproof [1]
SW = Special Wording/Graphics (consult factory)

Accessories
T15TPTOOL = Tamperproof Screwdriver

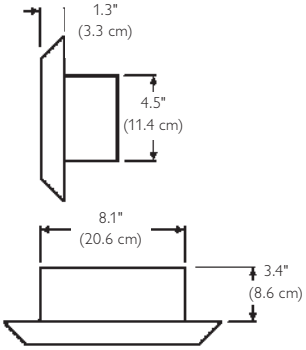
Notes
1)Includes tamperproof screws and bit for installation.

Dimensions

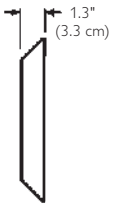
Front view



Side view for self-contained



Side view for AC only



Features

Illumination: Illumination is accomplished with long lasting, high output LEDs.

Housing: Features a white or black extruded aluminum, low profile 11⁄4" beveled frame. A brushed aluminum face plate is standard with polycarbonate vandal resistant lens. The 20 gauge steel backbox contains electronics (emergency operation). Includes NFPA-type field selectable chevrons.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery with 10-year life and Operating temperature range of 20°F (-7°C) to 95°F (35°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: .035 A (120VAC); .015 A (277VAC)
Green: .034 A (277VAC); .015 A (277VAC)

Emergency operation
Red: .040 A (120VAC); .018 A (277VAC)
Green: .042 A (277VAC); .018 A (277VAC)

Code compliance

UL 924 listed. NFPA 101, NEC, OSHA, BOCA and IBC illumination standards. NEMA Premium certified.

Warranty

Electronics: 5 years
Battery: 5 year full, 5 years pro-rata

LT

Thermoplastic exit

The LT series thermoplastic exit is available with many options including the ability to power low level remote exits.

Features

Illumination: Illumination is accomplished with high output LEDs.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA white thermoplastic (black is optional). NFPA-type field selectable chevrons can be installed/removed from outside the exit housing.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery with 10-year life and Operating temperature range of 65°F (19°C) to 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: .89W
Green: 2.17W

Emergency operation
Red: 3.62W
Green: 2.79W

Code compliance

UL 924 listed. NFPA 101, NEC, OSHA, BOCA and IBC illumination standards.

Warranty

Electronics: 5 years
Battery: 5 year full, 5 years pro-rata

How to specify

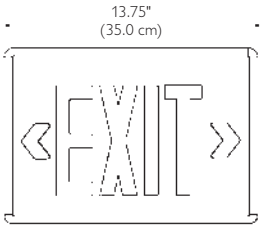
LT				
Model series	Battery	Stencil faces	Letter color	Stencil face/ housing color
LT = Thermoplastic LED Exit	**N** = Nickel Cadmium **A** = AC Only	**1** = Single **2** = Double **U** = Universal	**R** = Red **G** = Green	**W** = White **B** = Black

Options
BZ = DC Buzzer (Emergency operation only)
BF = Buzzer/Flasher (Emergency operation only)
DL = UL Damp Location Listing (50°F (10°C) to 104°F (40°C)
ST = Special Input Transformer (Specify voltage & frequency)
FA = 24 VDC Fire Alarm Interface (reg. constant DC voltage)
FL = Flasher (Emergency operation only)
SW = Special Wording/Graphics (Consult factory)
2CKT1 = 120 VAC Two Circuit
2CKT2 = 277 VAC Two Circuit
DC12 = 12 VDC Remote Emergency Power
TP = Tamperproof
VRS = Vandal Resistant Lens
LP = Low Level Matching Thermoplastic Remote Exit
LL = Low Level Institutional Frame Surface Mt. Remote Exit (see page 8.18)

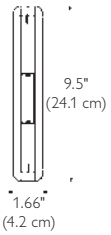
Accessories
SPKIT12WH(BK) = 12" Pendant Kit, White (Black)
WG4 = Wall Mount Exit Wire Guard
WG10 = Side Mount Wire Guard
PCS1 = Polycarbonate Vandal Shield

Dimensions

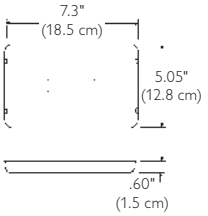
Front view



Side view



Canopy



LC

Thermoplastic combo exit

The LC series thermoplastic combination emergency exit is a compact sign that is suitable for wall or ceiling mounting. Integral, adjustable lamps provide efficient emergency lighting, while the LED exit face provides even, highly visible illumination and direction toward egress areas.

How to specify

LC					
Model series	Wattage/ capacity	Lamp type [1]	Stencil faces	Letter color	Stencil face/ housing color
LC = Thermoplastic Combination Emergency Exit	**Lead calcium** **12L** = 12W **18L** = 18W **25L** = 25W[2, 3] **Nickel cadmium** **14N** = 14W[2, 3] **18N** = 18W[2, 3]	**T6** = 5.4W Tungsten **T7** = 7W Tungsten **T9** = 9W Tungsten **H7** = 7W Halogen **H12** = 12W Halogen	**1** = Single **U** = Universal	**R** = Red **G** = Green	**W** = White **B** = Black

Options
BZ = DC Buzzer (Emergency operation only)
BF = Buzzer/Flasher (Emergency operation only)
ST = Special Input Transformer (Specify voltage & frequency)
FA = 24 VDC Fire Alarm Interface (reg. constant DC voltage)
FL = Flasher 2 (Emergency operation only)
TP = Tamperproof
VRS = Vandal Resistant Lens
VRS = Vandal Resistant Shield
DL = UL Damp Location Listing[2]

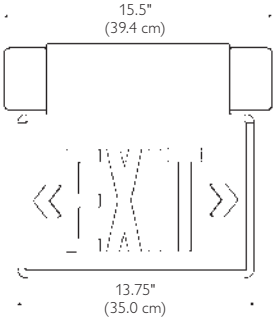
Accessories
WG5 = Wire Guard for wall mount

Notes
1) Selected lamp wattage cannot exceed unit output rating. Standard lamp configuration utilizes T-5 wedge base 5.4W 6V lamps.
2) 25w lead, 14w & 18w ni-cad units only have optional damp label listing.

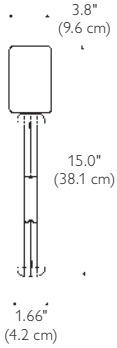
Multiple option configurations may void UL listing. Consult factory for specifics.

Dimensions

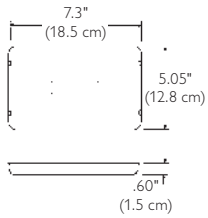
Front view



Side view



Canopy



Features

Illumination: Emergency illumination is provided by two high performance lamp reflector systems integral to the product housing. Each lamp reflector system can be adjusted 180° vertically and horizontally. The standard lamp reflector system incorporates a high intensity 5.4W, T-5 wedge base tungsten lamp.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA white thermoplastic (black is optional). NFPA-type field selectable chevrons can be installed/removed from outside the exit housing. Product can also be ceiling mounted to a standard junction box by using the mounting canopy supplied with the product.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery with 5-year life and Operating temperature range of 65°F (19°C) to 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

12W unit
0.114 amps (120 VAC); 0.054 amps (277 VAC)

14-25W unit
0.118 amps (120 VAC); 0.056 amps (277 VAC)

Code compliance

UL 924 listed. NFPA 101, NEC, OSHA, BOCA and IBC illumination standards.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata

LDR

Die cast exit with 10.8 watts remote capability

The LDR series is ideal for locations that require a reliable exit sign, plus the added benefit of remote capability.

Features

Illumination: Illumination is accomplished with high output LEDs.

Housing: Constructed of die-cast aluminum with NFPA-type field selectable chevrons.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimate service life of 5 years, and an Operating temperature range of 65°F (19°C) to 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

Red: 10.4W (120VAC); 10.8W (277VAC)
Green: 9.8W (120VAC); 10.8 (277VAC)

Code compliance

UL 924 listed; NFPA 70 and NFPA 101; NEC and OSHA standards; UL Damp Location Listing optional

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata

How to specify

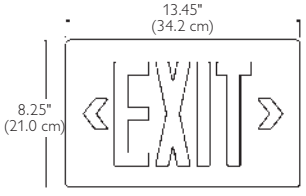
LDR				
Model series	Battery	Stencil faces	Letter color	Stencil face/ housing color
LDR = Die Cast Aluminum LED Exit w/10.8 Watts Remote Capability	**N** = Lead Calcium	**1** = Single **2** = Double	**R** = Red **G** = Green	**A** = Natural Brushed Aluminum Face w/ Black Housing **B** = Black Stencil Face w/ Black Housing **W** = White Stencil Face w/ White Housing **N** = Natural Brushed Aluminum Face w/ Natural Brushed Aluminum Housing **WA** = Natural Brushed Aluminum Face w/ White Housing

Options
DL = UL Damp Location Listing 10°C - 45°C

Accessories
WG4 = Wall Mount Exit Wire Guard

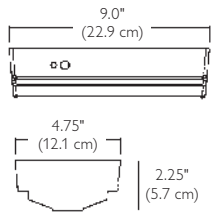
Dimensions

Front view



Side view

Standard canopy



Remote capability

Philips Lightolier's ER Remote Unit is ideal for use with the LDR Series. Available in 6V operation with your choice of single 5W MR11, 6W, 7.2W or 9W tungsten lamps, or dual 5.4W MR11 lamps.

Ordering Information

Single Lamp
ER1T6WG = 6V, 6W
ER1T7WG = 6V, 7.2W
ER1T9WG = 6V, 9W
ER1MR5WG = 6V, 5W MR11

Dual Lamp
ER1MR10WG = (2) 6V, 5W MR11

LDS

Die-cast exit

The LDS series provides a practical and economical solution to projects requiring die cast exits.

How to specify

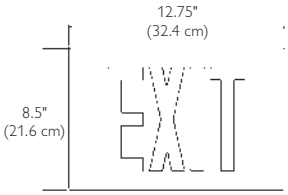
LDS					
Model series	Battery	Number of faces	Letter color	Stencil face/ housing color	Factory-installed option
LDS = Die Cast Aluminum LED Exit	**A** = AC Only **N** = Nickel Cadmium	**U** = Universal, 2 Faces and Backplate	**R** = Red **G** = Green	**A** = Natural Brushed Aluminum Face w/ Black Housing **B** = Black Stencil Face w/ Black Housing **W** = White Stencil Face w/ White Housing	**SD** = Self-Testing Diagnostics (Available on nickel cadmium, universal face exits only -LDSNU)

Self-testing diagnostics
Continuous monitoring of the systems critical components include: Battery disconnect/failure, charger failure, LED failure, AC line voltage monitoring and transfer circuit failure. The self-test routine satisfies the exception clause for periodic testing requirements of NFPA 101 and automatically tests the unit for one minute every thirty days, 30 minutes on the sixth month and 90 minutes annually.

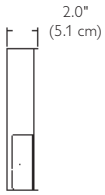
Accessories
WG4 = Wall Mount Exit Wire Guard
PKI12W = Pendant Kit, 12" White
PKI12B = Pendant Kit, 12" Black
PKIT24W = Pendant Kit, 24" white finish
PKIT24B = Pendant Kit, 24" black finish
PKIT36W = Pendant Kit, 36" white finish
PKIT36B = Pendant Kit, 36" black finish
PKIT48W = Pendant Kit, 48" white finish
PKIT48B = Pendant Kit, 48" black finish

Dimensions

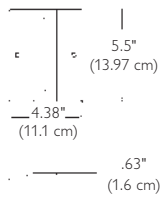
Front view



Side view



Standard canopy



Features

Illumination: Illumination is accomplished with long lasting, high output LEDs. Hot spots and striations are eliminated by the internal light chamber allowing even illumination in normal and emergency situations.

Housing: Die cast aluminum housing, back plate, faces and canopy. Exits are painted with a durable powder coating in a variety of colors.

Installation: Exit installation methods are universal. Universal models are supplied with two faces, back plate and canopy to easily facilitate back wall mount, ceiling and end mount. NFPA approved directional chevron knockouts are supplied on the faces.

Electronics: 120/277 VAC, 60 Hz, dual voltage input. Solid state circuitry is surge-protected and provides for a reliable charging system. Standard features include low voltage disconnect, AC lockout, brownout protection and instantaneous transfer.

Battery: Sealed, maintenance-free nickel cadmium battery. Provides 90 minutes of emergency operation.

Input power requirements

AC Only
.026A (120W VAC)
.012A (277W VAC)

Emergency operation
.033A (120W VAC)
.017A (277W VAC)

Code compliance

UL 924 listed, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards.

Warranty

5 year full

LL

Thermoplastic exit

The LL series thermoplastic LED Exit is a compact exit sign that has softly rounded corners and universal mounting configuration.

Features

Illumination: Illumination of the stencil face is accomplished with LEDs.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA white or black thermoplastic. NFPA-type field selectable chevrons can be installed/removed from outside the exit housing. Product can also be ceiling mounted to a standard junction box by using the mounting canopy supplied.

Electronics: 120/277 VAC dual voltage input constant current charger. Self diagnostics option available. Checks charger, LEDs, battery and transformer every 5-seconds; automatic 1-minute test every month and 30-minute test every 6-months. Coded LED flasher signifies failure type.

Battery: Maintenance free, sealed nickel cadmium battery with 10 year life and Operating temperature range of 68°F (20°C) to 104°F (40°C). Remote capacity battery is sealed lead calcium and has a temperature range of 65°F (19°C) to 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: .017A (120VAC); .008A (277VAC)
Green: .018A (120VAC); .008A (277VAC)

Emergency operation
Red: .028A (120VAC); .012A (277VAC)
Green: .028A (120VAC); .012A (277VAC)

Remote Capacity
Red: .027A (120VAC); .012A (277VAC)
Green: .030A (120VAC); .014A (277VAC)

Code compliance

UL 924 listed damp locations. NFPA 101, NEC, OSHA, BOCA and IBC illumination standards.

Warranty

Electronics: 5 year
Battery: 5 year full, 5 years pro-rata

How to specify

LL					
Model series	Battery	Stencil faces	Letter color	Stencil face/ housing color	Remote capacity
LL = LL Series LED Exit	**N** = Nickel Cadmium **A** = AC Only	**U** = Universal	**R** = Red **G** = Green	**W** = White **B** = Black[1]	**Blank** = None **2** = 12W Remote Capacity (6V) **3** = 22W Remote Capacity (6V)

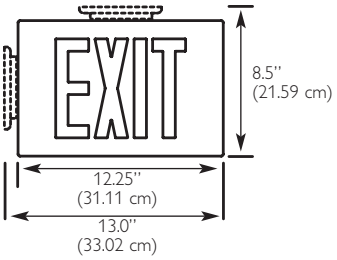
Options
SD = Self-Diagnostics (white finish only; not compatible with remote capacity units).

Accessories
WG4 = Wall Mount Exit Wire Guard
WG5 = End Mount Exit Wire Guard

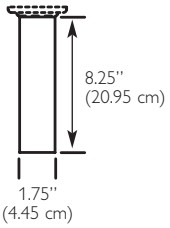
Notes
1) Black finish available with red letters only.

Dimensions for AC and standard EM exit

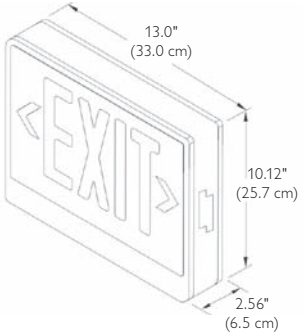
Front view



Side view



Dimensions for remote capacity units



LLC II

Thermoplastic combo exit

The LLC series II thermoplastic combination emergency exit is a compact sign that is suitable for wall or ceiling mounting.

How to specify

LLC2			
Model series	Stencil faces	Letter color	Stencil face/ housing color
LLC2 = LLC Series II Combo Emergency Exit	**U** = Universal	**R** = Red **G** = Green	**W** = White **B** = Black

Options
SD [1] = Self-Diagnostics (Not available with 12R option.)
12R [1] = 12W Remote Capability* (6V)

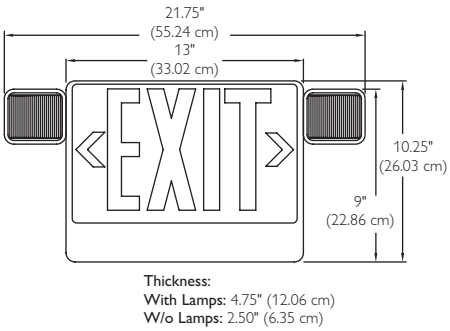
* See Remote Lamp Heads on page 8.62 for selection.

Accessories
WG5 = Wire Guard for Wall Mount

Notes
1) White finish only.

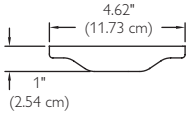
Dimensions

Front view

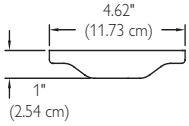


Thickness:
With Lamps: 4.75" (12.06 cm)
W/o Lamps: 2.50" (6.35 cm)

Side view



Canopy



Features

Illumination: Emergency illumination is provided by two fully adjustable glare-free square shape lamp heads. The standard lamp reflector system incorporates a high intensity 5.4W, T-5 wedge base tungsten lamp. Illumination of the exit face is accomplished with long lasting, high output LEDs. Powers additional remote heads (up to 6V 12W) with additional battery option (catalog #: 12R). Self diagnostics option available.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA white or black thermoplastic. NFPA-type field selectable chevrons can be installed/removed from outside the exit housing. Can be wall or ceiling mounted. Housing snaps to canopy with simple twist and locking tightly secure housing to canopy.

Electronics: 120/277 VAC dual voltage input with solid-state circuitry. Charging system is complete with low voltage disconnect, LED indicator light and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimate service life of 5 years, and an Operating temperature range of 65°F (19°C) to 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

Red: .027A (120VAC); .012A (277VAC)
Green: .030A (120VAC); .013A (277VAC)

Code compliance

UL 924 listed damp location at 10°C to 40°C; NFPA 101, NEC, OSHA, BOCA and IBC illumination standards.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata

LU

Edge-lit exit

The LU series universal Edge-lit provides an economical solution to Edge-lit applications with a universal surface or ceiling mounted housing in one.

Features

Illumination: Illumination of the tapered panel is accomplished with high brightness LEDs. Clear Acrylic lens is supplied with white and mirror insert that allows for field selectable background.

Housing: Constructed of impact-resistant, UL 94 V-0, 5 VA thermoplastic housing and backbox. Universal mounting allows for both recessed and surface mount.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid state circuitry. Emergency operation version includes a charging system complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery with 10-year life and Operating temperature range of 65°F (10°C) to 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
Red: 5.16W
Green: 4.8W

Emergency operation
Red: 8.4W
Green: 5.4W

Code compliance

UL 924 listed; NFPA 70 and NFPA 101; NEC and OSHA standards.

Optional Damp Label is 50°F (10°C) to 104°F (40°C). Provides 90 minutes of emergency operation.

Warranty

Electronics: 3 years

Battery: 5 years full, 5 years pro-rata

How to specify

LU				
Model series	Battery	Housing color	Number of faces	Letter color
LU = LU Series Universal Edge-Lit Exit	**N =** Self-powered **Blank =** AC Only	**W =** White **B =** Black	**1 =** Single **2 =** Double	**R =** Red **G =** Green

Options
2CKT1 = Two circuit, 120 VAC
2CKT2 = Two circuit, 277 VAC
BF = Buzzer/Flasher (emergency operation only)
BZ = DC Buzzer (emergency operation only)
DL = UL Damp Location Listing
EX = Special Input Transformer (specify voltage & frequency)[1]
FA = Fire Alarm Flasher
FL = Emergency Flasher

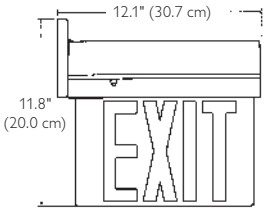
Accessories
SL-KIT = Bar Hanger Kit
SEPKIT12W = 12" White Pendant Kit
SEPKIT12B = 12" Black Pendant Kit

Notes
1) Certain option combinations may impact UL listing, consult factory for details

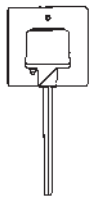
Dimensions

Surface end mount

Front view



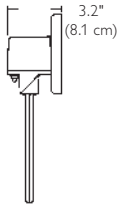
Side view



Surface back mount

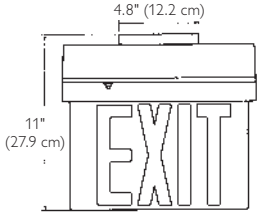
Front view

Side view

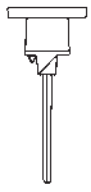


Surface top mount

Front view



Side view



LX

Steel exit & combo

The LX series is constructed of heavy duty 20 gauge steel with a white powder coat finish standard.

How to specify Exit

LX				
Model series	Battery	Number of faces	Letter color	Housing color
LX = LX Series Heavy Duty Steel Exit	**N** = Emergency Operation **A** = AC Only	**1** = Single **2** = Double **U** = Universal	**R** = Red **G** = Green	**W** = White

How to specify Combo

LX					
Model series	Wattage	Number of faces	Letter color	Housing color	Lamp heads
LX = LX Series Heavy Duty Steel Combination Exit/Emergency Unit	**12L** = 12W Capacity **30L** = 30W Capacity	**1** = Single **2** = Double **U** = Universal	**R** = Red **G** = Green	**W** = White	**2H** = Two S66, 5.4W Lamp Heads

Options
2CKT1 = Two circuit, 120 VAC
2CKT2 = Two circuit, 277 VAC
BF = Buzzer/Flasher (emergency operation only)
BZ = Audible Buzzer (emergency operation only)
EX = Special Input Transformer (specify voltage & frequency)
FA = 24V Fire Alarm Interface
FL = Emergency Flasher
SW = Special Wording (per face charge, one-time artwork setup charge will apply)

Accessories
XPKIT12W = Pendant Kit, 12", white finish (consult factory for pendant lengths in excess of 12")
WG4 = Wireguard for Exit Wall Mounting
WG10 = Wireguard for Exit End Mounting
WG = Wireguard for Combo
XCKITW = Canopy Kit; Combo Unit.

Features

Illumination: Illumination is accomplished with long lasting, high output LEDs. Combo unit uses 5.4W Tungsten heads.

Housing: Constructed of 20 gauge steel. Suitable for ceiling, end and surface mount applications. Includes universal stencil with field selectable chevrons. White housing is standard.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Has an Operating temperature range of 20°f (-7°C) to 95°F (35°C). Lead calcium battery has an operating range of 65°F (19°C) to 85°F (30°C). Provides 90 minutes of emergency operation.

Code compliance

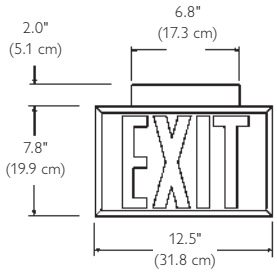
UL 924 listed; NFPA 70 and NFPA 101; NEC and OSHA standards; UL Damp Location Listing optional

Warranty

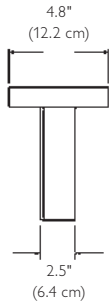
Electronics: 3 years
Battery: 5 years full, 5 years pro-rata

Dimensions

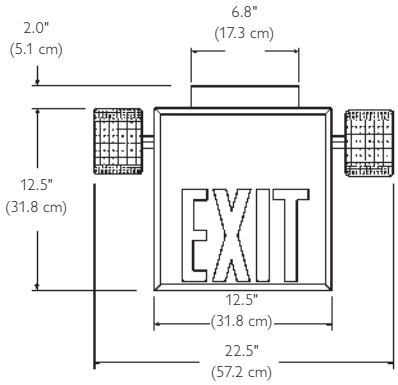
Front view



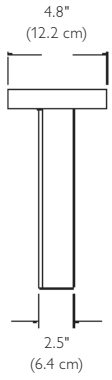
Side view



Front view



Side view



* Dimensions shown for 6" letter unit.

MJ5

MJ5 series Chicago steel exit

The MJ5 series steel exits meet City of Chicago code requirements. Models are offered in AC only or emergency with fluorescent or optional incandescent lamps. Exits can be provided as combination units with optional DEH side mounted heads.

Features

Illumination: AC Light Source is accomplished with two 7 watt PL type fluorescent lamps (standard); optional 15 watt incandescent lamps are available. Emergency Light Source is accomplished with two 5.4 watt wedge base incandescent DC lamps. MJ5E-DH combination models with side mounted lighting heads are provided with 6V 12W halogen bi-pin lamps.

Housing: Heavy duty steel construction finished with white powder coat paint finish. Exit face features 6" letters with ¾" stroke on translucent glass panels with full length directional arrows meet City of Chicago visibility requirements. A mounting canopy is provided for ceiling and end mount installations.

Electronics: 120/277 VAC dual voltage input with surge protected solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 65°F (19°C) and 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
19W

Emergency operation
29W

Code compliance

UL 924, NFPA 101, NEC, OSHA and City of Chicago codes.

Warranty

Electronics: 3 years
Battery: One year full, four years pro-rata.

How to specify

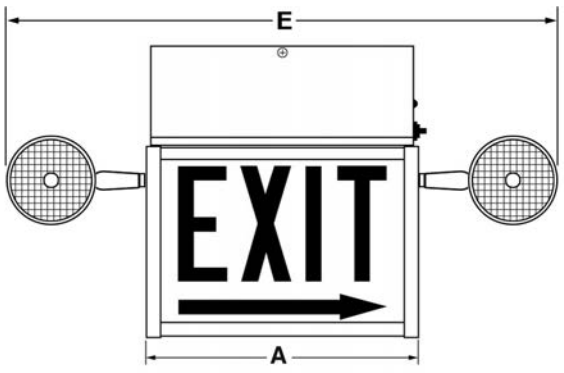
MJ5				
Model series	Mode of operation	Number of faces	Letter color	Exit face designator
MJ5 = Chicago Exit	**A** = AC Only Exit **E** = Emergency Operation Exit	**1** = Single Face **2** = Double Face	**RW** = Red on White	Single Face Models **3** = EXIT (No Arrow) **6** = EXIT (Right Arrow) **9** = EXIT (Left Arrow) **12** = EXIT (Double Arrow) **2** = STAIRS (No Arrow) **5** = STAIRS (Right Arrow) **8** = STAIRS (Left Arrow) **11** = STAIRS (Double Arrow) Double Face Models **18** = EXIT (No Arrow) **21** = EXIT (Right or **24** = EXIT (Double Arrow) **17** = STAIRS (No Arrow) **20** = STAIRS (Right or Left Arrow) **23** = STAIRS (Double Arrow)

Options
DEH = Combination Model w/ Side Mounted Par 36 12W Halogen Heads
277 = 277VAC, 60Hz. Input (AC models only)
SW = Special Wording (consult factory)
SX = Self-Diagnostic Circuit (emergency models only)
IA = Audible Intermittent Alarm (emergency models only)
IV = Visual Intermittent Alarm (emergency models only)
FA = Fire Alarm Panel Interface
INC = Two candelabra base 15T6 120 volt, 15 watt incandescent AC lamps.

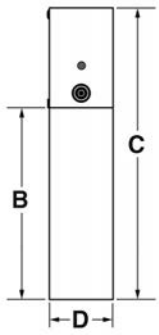
Accessories
MJSKW = 18" Stem Mounting Kit (white)
MJSKB = 18" Stem Mounting Kit (black)
MJPG9 = Wire Guard - Wall Mount (AC and emergency models)
MJPG10 = Wire Guard - Wall Mount (combination models)

Dimensions

Front view



Side view



A = 12 3/4"
B = 9 1/2"
C = 14 1/2"
D = 2 3/4"
E = 26 1/4"

NOTE: Add 1" (2.5cm) for canopy if ceiling or end mounted.

MJ6

MJ6 series LED Chicago steel exit

The MJ6 series steel exits meet City of Chicago code requirements. Models utilize high intensity indirect white LED lighting strips. Exits can be provided as combination units with optional DEH side mounted heads.

How to specify

MJ6				
Model series	Mode of operation	Number of faces	Letter color	Exit face designator
MJ6 = Chicago Exit	**A** = AC Only Exit **E** = Emergency Operation Exit	**1** = Single Face **2** = Double Face	**RW** = Red on White	Single Face Models **3** = EXIT (No Arrow) **6** = EXIT (Right Arrow) **9** = EXIT (Left Arrow) **12** = EXIT (Double Arrow) **2** = STAIRS (No Arrow) **5** = STAIRS (Right Arrow) **8** = STAIRS (Left Arrow) **11** = STAIRS (Double Arrow) Double Face Models **18** = EXIT (No Arrow) **21** = EXIT (Right or **24** = EXIT (Double Arrow) **17** = STAIRS (No Arrow) **20** = STAIRS (Right or Left Arrow) **23** = STAIRS (Double Arrow)

Options
DEH = Combination Model w/ Side Mounted Par 36 12W Halogen Heads
SW = Special Wording (consult factory)
SX = Self-Diagnostic Circuit (emergency models only)
IA = Audible Intermittent Alarm (emergency models only)
IV = Visual Intermittent Alarm (emergency models only)
FA = Fire Alarm Panel Interface

Accessories
MJSKW = 18" Stem Mounting Kit (white)
MJSKB = 18" Stem Mounting Kit (black)
MJPG9 = Wire Guard - Wall Mount (AC and emergency models)
MJPG10 = Wire Guard - Wall Mount (combination models)

Features

Illumination: Illumination is provided by high intensity indirect white LED lighting strips. MJ6E-DH combination models with side mounted lighting heads are provided with 6V 12W halogen bi-pin lamps.

Housing: Heavy duty steel construction finished with white powder coat paint finish. Exit face features 6" letters with ¾" stroke on translucent glass panels with full length directional arrows meet City of Chicago visibility requirements. A mounting canopy is provided for ceiling and end mount installations.

Electronics: 120/277 VAC dual voltage input with surge protected solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 65°F (19°C) and 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
9.6W (120VAC)
9.2W (277VAC)

Emergency operation
10.6W (120VAC)
10.2W (277VAC)

Code compliance

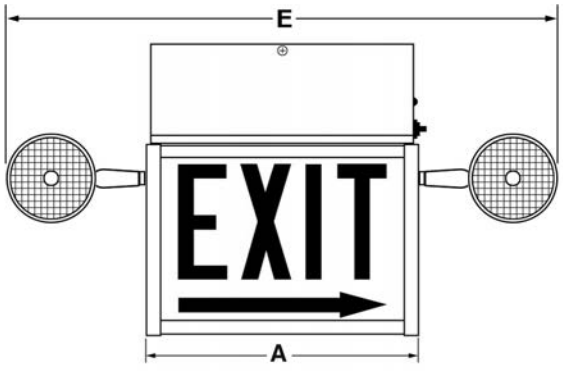
UL 924, NFPA 101, NEC, OSHA and City of Chicago codes.

Warranty

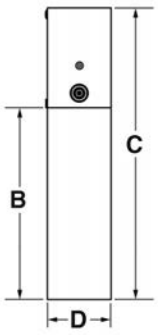
Electronics: 3 years
Battery: One year full, four years pro-rata.

Dimensions

Front view



Side view



A = 12 3/4"
B = 9 1/2"
C = 14 1/2"
D = 2 3/4"
E = 26 1/4"

NOTE: Add 1" (2.5cm) for canopy if ceiling or end mounted.

MJ8

MJ8 series LED Chicago edge-lit exit

The MJ8 series edge-lit exits meet City of Chicago code requirements. Models utilize high intensity indirect white LED lighting strips. Recessed mount exits meet CCEA plenum rating requirements.

Features

Illumination: Illumination is provided by high intensity indirect white LED lighting strips.

Housing/trimplate: Surface mount housings and ceiling trimplates are constructed of heavy duty steel construction finished with white powder coat paint finish. Recess mount model housings are constructed of heavy duty steel construction. Exit face features 6" letters with ¾" stroke screened on acrylic panels with full length directional arrows to meet City of Chicago visibility requirements.

Electronics: 120/277 VAC dual voltage input with surge protected solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 65°F (19°C) and 85°F (30°C). Provides 90 minutes of emergency operation.

Input power requirements

AC Only
4.8W (120VAC)
4.6W (277VAC)

Emergency operation
5.3W (120VAC)
5.1W (277VAC)

Code compliance

UL 924, NFPA 101, NEC, OSHA and City of Chicago codes, Meets CCEA plenum rating requirements.

Warranty

Electronics: 3 years
Battery: One year full, four years pro-rata.

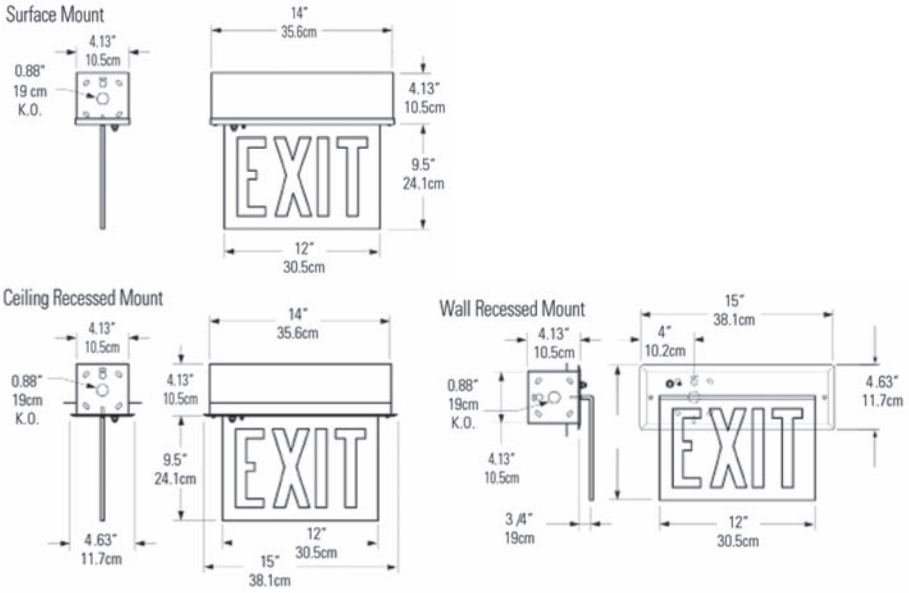
How to specify

MJ8					
Model series	Mode of operation	Mounting	Number of faces	Letter color	Exit face designator
MJ8 = Chicago Exit	**A** = AC Only Exit **E** = Emergency Operation Exit	**R** = Recessed Ceiling **RW** = Recessed Wall[1] **S** = Surface Ceiling or End **SW** = Surface Wall[1]	**1** = Single Face **2** = Double Face	**RW** = Red on White	Single Face Models **3** = EXIT (No Arrow) **6** = EXIT (Right Arrow) **9** = EXIT (Left Arrow) **12** = EXIT (Double Arrow) **2** = STAIRS (No Arrow) **5** = STAIRS (Right Arrow) **8** = STAIRS (Left Arrow) **11** = STAIRS (Double Arrow) Double Face Models **18** = EXIT (No Arrow) **21** = EXIT (Right or **24** = EXIT (Double Arrow) **17** = STAIRS (No Arrow) **20** = STAIRS (Right or Left Arrow) **23** = STAIRS (Double Arrow)

Note
1) Single Face Only

Options
SX = Self-Diagnostic Circuit (emergency models only)
IA = Audible Intermittent Alarm (emergency models only)
IV = Visual Intermittent Alarm (emergency models only)
FA = Fire Alarm Panel Interface

Dimensions



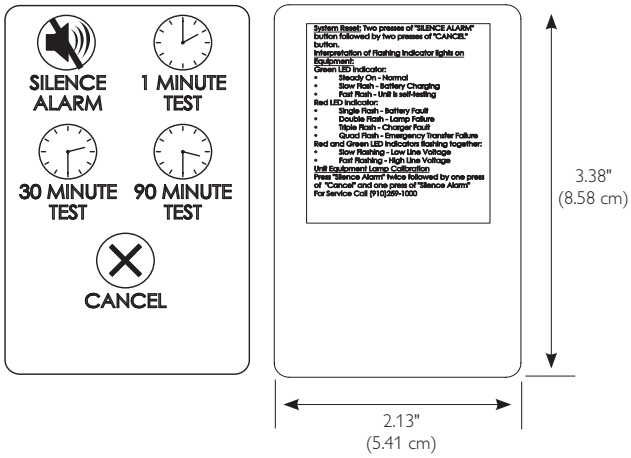
SD2

Advanced self-diagnostics & self-testing electronics

Self-Diagnostics provides continuous real-time monitoring of the charging system, battery and lamps. Optional Self-Test feature runs a self-test satisfying the periodic testing requirements as defined in NFPA 101 Life Safety Code.

Self-diagnostics electronics and self-testing diagnostics electronics in audible and non-audible versions.

Available accessory item



How to specify

SDREMOTE

Model series

SDREMOTE = Infra-Red Remote Test Device

Products with SD2 electronics

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DX2 Outlook	page 8.4
TX2 Outlook	page 8.6
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ES	page 8.75
IE	page 8.73
HX	page 8.74

Features

Standard Feature: The Self-Diagnostics2 is designed around an 8-bit microprocessor to provide unmatched reliability and performance. Microprocessor controlled standard features include: 8-bit microprocessor (Iup), AC lockout mode, transformer-isolated input, AC power indicator, charge status indicator and audible user interface controls.

Charger: The on-board thermal detection feature of the Self-Diagnostics2 microprocessor allows for a precision temperature compensation algorithm equal to 3 milli-volts per degree C. Standard charger features include: 120/277 VAC, 60 Hz standard input; Iup controlled, linear, temperature compensation; reverse battery polarity detection and protection; reverse utility power detection and protection.

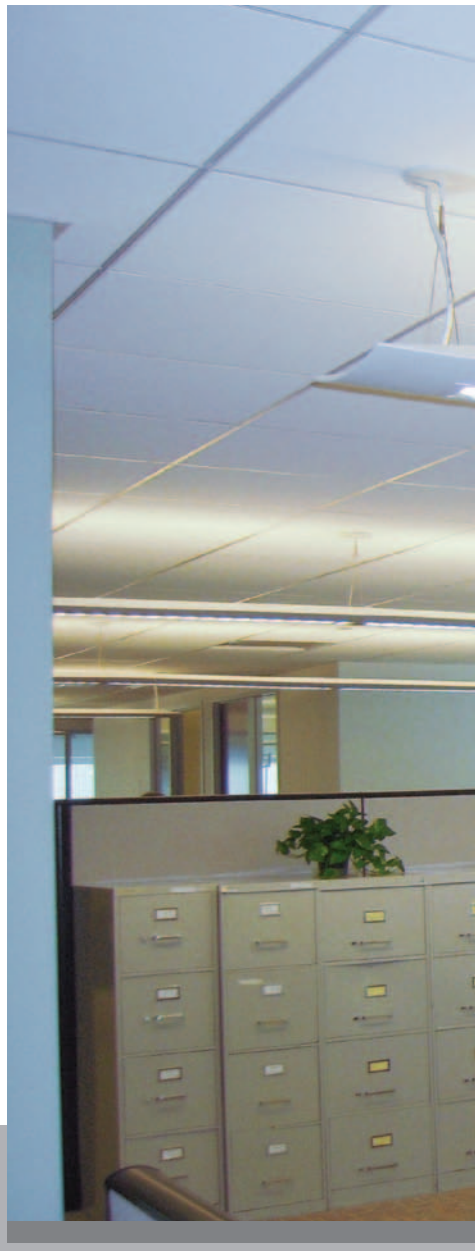
Transfer: Iup controlled, solid state, low-voltage battery disconnect (LVD), brownout detection circuit, Two available LED output circuits, AC line latch

Diagnostics: The Self-Diagnostics2 diagnostics monitoring circuit is continuous and in real time. The benefits of real time monitoring allows the microprocessor to self-heal all fault conditions when remedied. In doing so, there is no need to reset the system after maintenance. Audible and non-audible versions available. Features silence alarm button on audible versions, visual LED fault display, battery failure, battery disconnect, charger failure, lamp/LED failure and transfer failure.

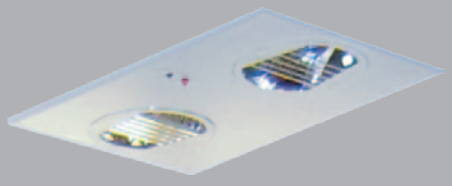
Self-testing* (optional): The Self-Diagnostics2 diagnostic/charging platform with optional self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

*** Note:** NFPA 101 does not allow a self-testing diagnostics board to run the required annual 90-minute test. Refer to the 2006 version of NFPA 101, section 7.9.3.1.2 (1) through (7).

Life safety systems



Philips Lightolier safety lighting systems product offering ranges from traditional to non-traditional designs not commonly found in an emergency lighting portfolio. Products are designed using proven reliable electronics, LEDs and environmentally friendly batteries. Many of our products feature advanced self-diagnostics which provide continuous real-time monitoring of the charging system, battery and lamps. These products are also compatible with a handheld infrared remote test device allowing products to be tested from an indoor range of 30-40 ft. Optional self-testing feature automatically runs a self-test satisfying the periodic testing requirements as defined in NFPA 101 Life Safety Code.



Contents

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Solution2 > 8.30	EN > 8.39	C1 > 8.50	LVL Remote > 8.60
LPH > 8.31	LVL > 8.40	C2 > 8.51	ER > 8.61
LP > 8.32	COL > 8.41	C3 > 8.52	Lamp Heads > 8.62
LP Bollard > 8.33	ES > 8.42	D > 8.53	Mounting Plates > 8.63
Harmony > 8.34	FBP > 8.44	DEG > 8.54	Remote Heads > 8.64
Surf Wall > 8.35	E3 > 8.46	S1 > 8.55	Accessories > 8.65
Radiante > 8.36	E6 > 8.47	MJ > 8.56	

Surf Ceiling

Surf series LED ceiling mount

Surf series LED ceiling luminaire operates in normal AC mode and is available with an optional battery. Versatile ceiling mount, both recessed and surface mount, allows for virtually unnoticeable installations for the most discernible applications.

Features

Illumination: Illumination is provided by four 3-watt white 5000K LEDs; two field replaceable modules are driven in parallel. Multiple luminaires produce a 1 footcandle average along a 5' x 27' path of egress at a mounting height of 10' AFF.

Housing: Die cast aluminum housing and cover with UV stabilized polycarbonate lens. Choice of nine standard powder coat paint finishes.

Mounting: Universal mounting is a standard feature that allows for Recessed Ceiling or Surface Ceiling. Bar hanger kit is supplied standard to accommodate recessed ceiling mount applications.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel metal hydride battery has an estimated service life of 10 years. Provides 90 minutes of emergency operation.

Operating temperature range
AC only models: -40°F (-40°C) to 104°F (40°C).
Self-powered models: 32°F (0°C) to 104°F (40°C).

Input power requirements
AC Only: 0.203A (120VAC); 0.087A (277VAC)
Self-powered: 0.198A (120VAC); 0.088A (277VAC)

Code compliance

UL 924, UL Damp Location, NFPA 101, NEC, IBC, BOCA, OSHA. UL 1598 Non-IC.

Warranty

Electronics: 3 years
Battery: 5 years full, 5 years pro-rata.

How to specify

SURF	C			SD2
Model series	Mounting	Battery	Housing finish	Standard feature
SURF = SURF Series White LED Luminaire	**C** = Ceiling Mount (Recessed and Surface)	**A** = AC Only **N** = Nickel Metal Hydride	**W** = White **B** = Black **A** = Aluminum **G** = Gunmetal **BR** = Ornamental Bronze **AC** = Aged Copper **VG** = Velvet Green **N** = Nickel **GA** = Granite	**SD2** = Self-Diagnostics

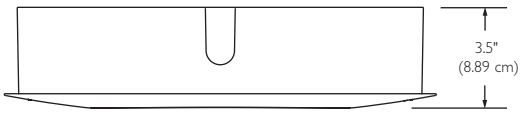
Options
2CKT1 = Two Circuit 120/120 VAC (AC Only models)
2CKT2 = Two Circuit 277/277 VAC (AC Only models)
DC = Universal 12-48 VDC Remote Emergency Input (AC only models)
EX = Special Input Transformer (specify voltage & frequency)[1]
T = Self-Testing Diagnostics (non-audible)
TA = Audible Self-Testing Diagnostics
TP = Tamperproof

Accessories
SDREMOTE = Infrared Remote Test Device
T15TPTOOL = Tamperproof Screwdriver

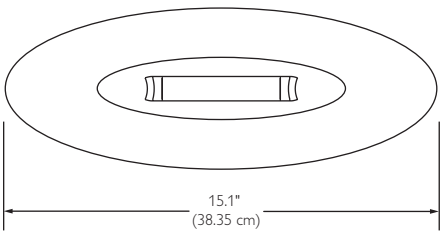
Notes
1) Certain option combinations may impact UL listing; consult factory for details.

Dimensions

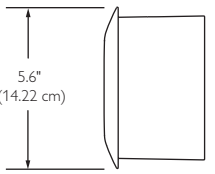
Top view

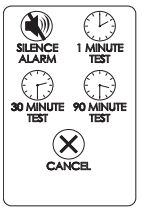


Front view



Side view



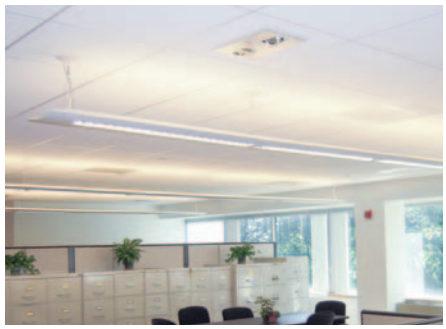


Infrared remote testing compatible with SDREMOTE hand-held remote test device

Solution

Solution series recessed unit

Solution series is a fully recessed ceiling or wall mount emergency luminaire of unsurpassed performance; multiple fixtures produce a 1 footcandle average along a 6' x 90' path of egress. Unlike other products, Solution series does not contain any moving mechanics/parts that may be problematic during life of product.



How to specify

SOL			SD2
Model series	Housing	Mounting	Standard feature
SOL = Solution Series	**W** = White **B** = Black	**WL** = Wall Mount **CL** = Ceiling Mount	**SD2** = Self Diagnostics

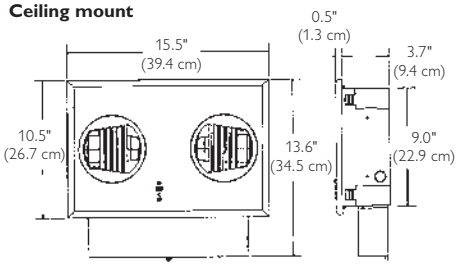
Options
EX[1] = Special Transformer (specify voltage & frequency)
T = Self-Testing Diagnostics (non-audible)
TA = Self-Testing Diagnostics (audible)
TD = 15 minute time delay
TP = Tamper proof cover screws

Accessories
IBHK = Bar Hanger Kit for Mechanical Ceilings
T15TPTOOL = Tamperproof Screwdriver
WMLKIT = Wall Mounted Lens Kit
CMLKIT = Ceiling Mounted Lens Kit
CMLKITB = Ceiling Mounted Lens Kit for Black Unit
RPLTSW = 120V Remote Test Switch
SDREMOTE = Infrared Remote Test Device

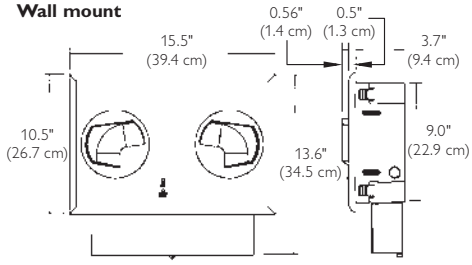
Notes
1) Certain option combinations may impact UL listing; consult factory for details.

Dimensions

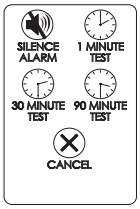
Ceiling mount



Wall mount



Suitable for export



Infrared remote testing compatible with SDREMOTE hand-held remote test device

Cut-out dimensions are 14 3/4" x 9 1/8"

Features

Illumination: Illumination is provided by two 35-watt MR16 lamps combined with a custom reflector system. Reflectors enhance performance of lamps and prevent dark spots immediately below fixture during emergency operation. Optical assemblies can be rotated from 0° to 90°. Multiple fixtures produce a 1 footcandle average along a 6' x 90' path of egress at a mounting height of 10' AFF.

Housing: Backbox is constructed of 20 gauge galvanized steel, flush cover and reflectors are constructed of impact resistant polycarbonate.

Self-diagnostic: Standard feature, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Mounting: Luminaire is either recess ceiling or recess wall mount. Specify mounting.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years. Provides 90 minutes of emergency operation.

Operating temperature range: 65°F (19°C) to 85°F (30°C).

Input power requirements: 0.27A (120 VAC); 0.13A (277 VAC)

Code compliance

UL 924 listed for insulated ceilings (IC rated); NFPA 101, NEC, BOCA and OSHA. Meets ADA specifications for wall mounted lighting fixtures.

Warranty

Electronics: 3 years
Battery: 1 years full, 4 years pro-rata.

Solution2

Solution2 series recessed unit

Solution2 series is a fully recessed ceiling mount emergency luminaire of unsurpassed performance; multiple fixtures produce a 1 footcandle average along a 6' x 90' path of egress. Innovative design allows for mounting in a suspended ceiling by simply replacing 2x2 ceiling tile.

Features

Illumination: Illumination is provided by two 35-watt MR16 lamps combined with a reflector system. Reflectors enhance performance of lamps and prevent dark spots immediately below fixture during emergency operation. Optical assemblies can be rotated from 0° to 90°. Multiple fixtures produce a 1 footcandle average along a 6' x 90' path of egress at a mounting height of 10' AFF.

Housing: Backbox is constructed of 20 gauge galvanized steel; 2' x 2' faceplate is constructed aluminum and is finished with powder coat paint.

Self-diagnostic: Standard feature, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Mounting: Luminaire mounts in suspended ceiling and simply replaces standard 2x2 ceiling tile creating ease of installation.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years. Provides 90 minutes of emergency operation.

Operating temperature range: 65°F (19°C) to 85°F (30°C).

Input power requirements: 0.27A (120 VAC); 0.13A (277 VAC)

Code compliance

UL 924 listed for suspended ceiling systems, IC rated; NFPA 101, NEC, BOCA and OSHA.

Warranty

Electronics: 3 years
Battery: 1 years full, 4 years pro-rata.

How to specify

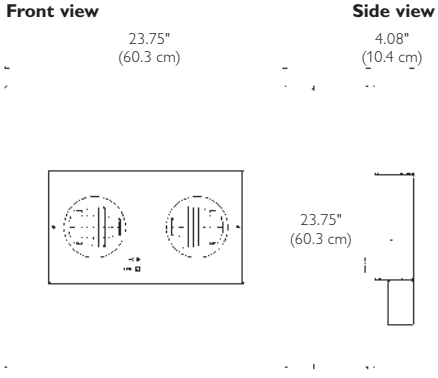
SOL2		SD2
Model series	Housing	Standard feature
SOL2 = Solution 2 Series	**W** = White **B** = Black	**SD2** = Self-Diagnostics

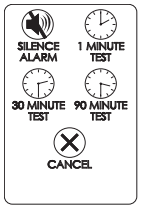
Options
EX[1] = Special Transformer (specify voltage & frequency)
T = Self-Testing Diagnostics (non-audible)
TA = Self-Testing Diagnostics (audible)
TD = 15 minute time delay
TP = Tamper proof cover screws
DIM = Dimming driver

Accessories
F2BHK = Bar Hanger Kit for Mechanical Ceilings
T15TPTOOL = Tamperproof Screwdriver
RPLTSW = Remote Test Switch Kit for Single Gang Wall Box
SDREMOTE = Infrared Remote Test Device

Notes
1) Certain option combination may impact UL listing, consult factory for details.

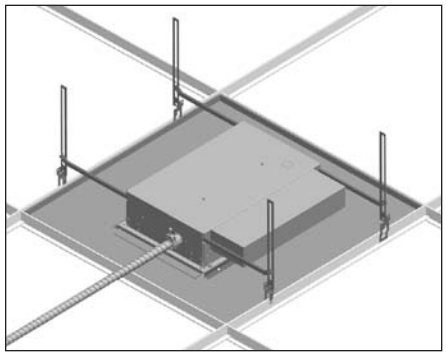
Dimensions





Infrared remote testing compatible with SDREMOTE hand-held remote test device

View showing bar hanger installation



LPH

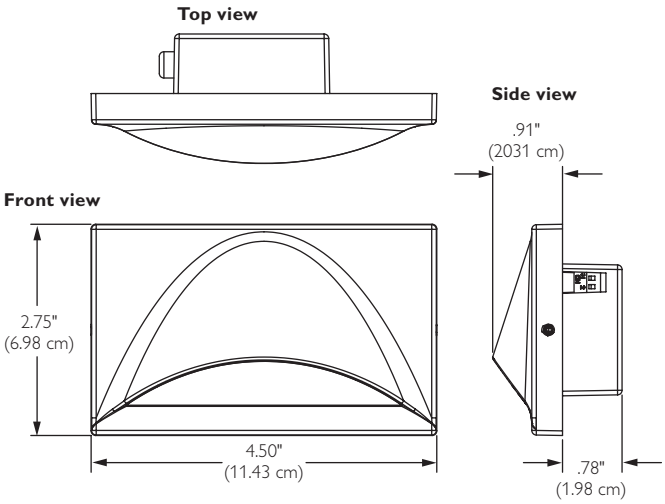
LPH series LED horizontal steplight

The LPH horizontal series LED steplight provides tremendous illumination not commonly found in LED steplights. LED intensity is selectable with an integral three level dip switch controller, or an optional line voltage dimmable driver. Luminaires operate in normal AC mode and are ideal for residential, landscape, retail and healthcare applications.

How to specify

LPH					
Model series	Input voltage	Lens color	Finish		
LPH = Horizontal LED steplight	**1** = 12V AC, DC **2** = 120V AC	**S** = Satin/ Frosted Acrylic	**W** = White **B** = Black **I** = Ivory	**A** = Aluminum **G** = Gunmetal **BR** = Ornamental Bronze	**AC** = Aged Copper **VG** = Velvet Green **N** = Nickel **GA** = Granite

Dimensions



Features

Illumination: Illumination is provided by three white 3500K LEDs. Integral driver incorporates a selectable three level intensity dip switch controller allowing total output wattage of 3 watts, 7 watts or 10 watts. An optional line voltage dimmable driver is available on the LPH2 models.

Housing: Premium die cast aluminum housing with satin acrylic lens with painted powder coat paint finish. Assembled as a one-piece luminaire; including LED driver and dip switches, fixture fits within a single gang junction box.

Operation: Standard 120 VAC require no additional components. 12 VAC applications require remote step-down transformers; refer to LP specification sheet. For 120v and 12 VDC emergency power back-up please refer to LP specification sheet for information.

Electronics: 120 VAC or 12 VAC.
Operating temperature range:
-40°F (-40°C) to 122°F (50°C).

Input power requirements:
12 VAC: 0.72 amps
12 VDC: 0.47
120 VAC: 0.09

Code compliance

UL 924, 1598 and wet location listed. Meets ADA specifications for wall mounted lighting fixtures.

Warranty

Electronics: 5 years.

LP

LP series LED vertical steplight

The LP series LED steplight provides impressive illumination in a remarkable compact luminaire. LP series mounts in a single gang junction box and is standard wet location listing. Luminaires operate in normal AC mode and are ideal for stairwells, wheelchair ramps, theatres and hospital patient rooms.

Features

Illumination: Illumination is provided by three white 3500K LEDs. Integral driver incorporates a selectable three level intensity dip switch controller allowing total output wattage of 3 watts, 7 watts or 10 watts. An optional line voltage dimmable driver is available on the LPH2 models.

Housing: Premium die cast aluminum housing with satin acrylic lens with painted powder coat paint finish. Assembled as a one-piece luminaire; including LED driver and dip switches, fixture fits within a single gang junction box.

Operation: Standard 120 VAC require no additional components. 12 VAC applications require remote step-down transformers; refer to LP specification sheet. For 120v and 12 VDC emergency power back-up, please refer to LP specification sheet for information.

Electronics: 120 VAC or 12 VAC.

Operating temperature range: -40°F (-40°C) to 122°F (50°C).

Input power requirements:
12 VAC: 0.72 amps
12 VDC: 0.47
120 VAC: 0.09

Code compliance

UL 924, 1598 and wet location listed. Meets ADA specifications for wall mounted lighting fixtures.

Warranty

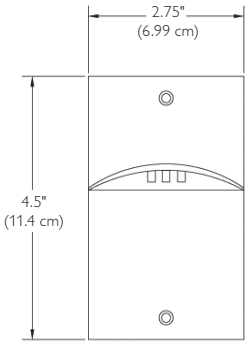
Electronics: 5 years.

How to specify

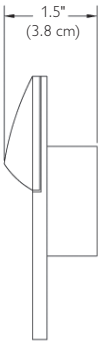
LP			
Model series	Input voltage	Lens color	Finish
LP = Vertical LED steplight	**1** = 12V AC, DC **2** = 120V AC	**S** = Satin/ Frosted Acrylic	**W** = White **B** = Black **I** = Ivory **A** = Aluminum **G** = Gunmetal **BR** = Ornamental Bronze **AC** = Aged Copper **VG** = Velvet Green **N** = Nickel **GA** = Granite

Dimensions

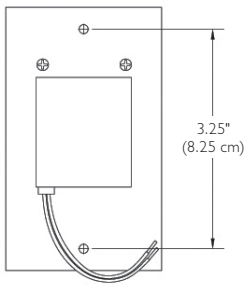
Front view



Side view



Back view



LPS Series step-down transformer

- LPS utilizes 120v input and has an internal step-down transformer for normal 12 VAC operation.
- UL 3R Enclosures
- Thermal secondary output circuit protection
- Convenient bottom access wiring compartment with terminal lugs

No. of LP Series Luminaries required	Input voltage	Output wattage	Catalog number	Dimensions Width	Height	Depth
10	120	100	LPS100-12-1	4.88"	6.75"	4.63"
15	120	150	LPS150-12-1	4.88"	6.75"	4.63"
25	120	250	LPS250-12-1	4.88"	6.75"	4.63"
30	120	300	LPS300-12-1	4.88"	6.75"	4.63"
30	277	300	LPS300-12-2	4.88"	6.75"	4.63"
50	120	500	LPS500-12-1	5.63"	8.25"	5.25"
50	277	500	LPS500-12-2	5.63"	8.25"	5.25"

LPE Series power system

Dimensions: 17.5" W x 10.8"H x 5.0"D)

Features

LPE Series Power System is for use with LP and LPH Series 12 volt LED steplights. LPE Power System utilizes 120v input and has an internal step-down transformer for normal 12 VAC operation, and integral batteries provide emergency power for fifteen (15) LP or LPH luminaires.

How to specify

LPE
LPE = LPE Series power system

LP Bollard

LP LED Bollard series

The LP LED Bollard series is designed to support normal AC operation for illumination of walkways, decks, sidewalks and landscape areas. Optional emergency modules may be used for applications requiring outdoor egress lighting to the "public way."

How to specify

LP					
Series	Bollard finish	Base type	Luminaires & orientation	Luminaire finish	Input voltage
LP = Low Level Emergency Lighting Product	**BZ** = Bronze **BK** = Black **XX** = Custom	**A** = Anchor Base **D** = Direct Burial **L** = Lag Bolt	**190** = (1) @ 90 Degrees **290** = (2) @ 90 Degrees **390** = (3) @ 90 Degrees **490** = (4) @ 90 Degrees **2180** = (2) @ 180 Degrees	**BK** = Black **BZ** = Bronze **XX** = Custom	**1** = 12 VAC **2** = 120 VAC

Accessories (order as a separate line item)
LPE = Low Voltage Power System for Normal and Emergency Power Support. (Compatible with 12 VAC Models Only.)

Features

Illumination: Illumination is provided by from one to four LED light engines. Each light engine utilizes three white 3500K LEDs.

Construction: Bollard is constructed of fiberglass. The anchor base, anchor bolts are constructed of galvanized steel. LED light engines are constructed of die cast aluminum with satin acrylic lens and painted powder coat paint finish.

Operation: Standard 120 VAC require no additional components. 12 VAC applications require remote step-down transformers; refer to LP Bollard specification sheet. For 120v and 12 VDC emergency power back-up please refer to LP Bollard specification sheet for information.

Electronics: 120 VAC or 12 VAC.

Operating temperature range: -40°F (-40°C) to 122°F (50°C).

Input power requirements (single LED engine):
12 VAC: 0.72 amps
12 VDC: 0.47
120 VAC: 0.09

Code compliance

Wet Location. ETL listed to UL standards 1598 and 1838.

Warranty

Electronics: 5 years; 3 years bollard body.

LPE Series power system

Dimensions: 17.5" W x 10.8"H x 5.0"D)

Features

LPE Series Power System is for use with LP and LPH Series 12 volt LED steplights. LPE Power System utilizes 120v input and has an internal step-down transformer for normal 12 VAC operation, and integral batteries provide emergency power for fifteen (15) LP or LPH luminaires.

How to specify

LPE

LPE = LPE Series Power System

Harmony

Harmony series LED wallpack

Harmony series LED wall pack operates in normal AC mode and is available with an optional integral battery. Robust die cast aluminum construction and standard wet location listing makes the LED Harmony luminaire the smart choice over traditional compact fluorescent wallpacks.

Features

Illumination: Illumination is provided by four 3-watt white 5000K LEDs; two field replaceable modules are driven in parallel. Reflector optimizes performance to produce a 1 footcandle average along a 6' x 30' path of egress at a mounting height of 8' AFF.

Housing: Durable and fully gasketed die cast aluminum housing and cover with UV stabilized polycarbonate lens finished with choice of nine standard powder coat paint finishes. Tamperproof hardware is included standard.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel metal hydride battery has an estimated service life of 10 years. Provides 90 minutes of emergency operation.

Operating temperature range: AC only models: -40°F (-40°C) to 104°F (40°C).

Self-powered models: 32°F (0°C) to 104°F (40°C).

Self-powered models with heater: -40°F (-40°C) to 104°F (40°C).

Input power requirements: Refer to specification sheet.

Code compliance

UL 924 and 1598; UL Wet Location, NFPA 101, NEC, IBC, BOCA and OSHA. Meets ADA specifications for wall mounted lighting fixtures.

Warranty

Electronics: 3 years
Battery: 5 years full, 5 years pro-rata.

How to specify

H			SD2
Model series	Battery	Housing finish	Model designator
H = Harmony LED Lighting Fixture NiMH battery	**A** = AC only **N** =Self-powered	**W** = White **B** = Black **A** = Aluminum **G** = Gunmetal **BR** = Ornamental bronze **AC** = Aged copper **VG** = Velvet green **N** = Nickel **GA** = Granite	**SD2** = Self Diagnostics

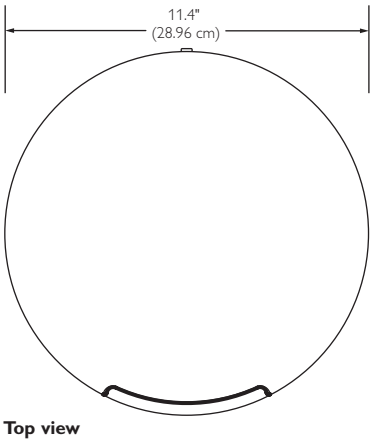
Options
2CKT1 = Two circuit 120/120 VAC (AC-only models)
2CKT2 = Two circuit 277/277 VAC (AC-only models)
DC = Universal 12-48 VDC input (AC-only models
EX[1] = Special Input Transformer (Specify voltage & frequency.)
HR = Heater option for -40°C to 40° C ambient
T = Self-testing Diagnostics
TA = Audible self-testing diagnostics

Accessories (order as a separate item)
SDREMOTE = Infra-red remote test device

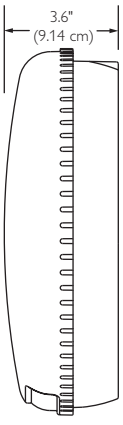
Notes
1) Certain option combinations may impact UL listing; consult factory for details.

Dimensions

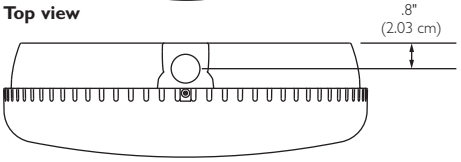
Front view

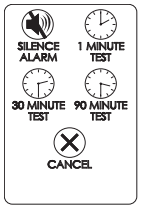


Side view



Top view





Infrared remote testing compatible with SDREMOTE hand-held remote test device

Surf Wall

Surf series LED low-level wall mount

Surf series LED wall luminaire operates in normal AC mode and may be controlled by photocell or time clock. An optional full lumen battery is available for applications requiring egress lighting. Surf wall series is ideal for indoor or outdoor low level applications such as steplights, wheel chair ramps and corridors.

How to specify

SURF	W			SD2	
Model series	Mounting	Battery	Housing finish	Standard feature	Options
SURF = SURF Series White LED Luminaire	**W** = Wall Mount (Recessed and Surface)	**A** = AC Only **N** = Nickel Metal Hydride	**W** = White **B** = Black **A** = Aluminum **G** = Gunmetal **BR** = Ornamental Bronze **AC** = Aged Copper **VG** = Velvet Green **N** = Nickel **GA** = Granite	**SD2** = Self-Diagnostics	**2CKT1** = Two circuit 120/120 VAC (AC-only models) **2CKT2** = Two circuit 277/277 VAC 5 pt **CPR** = Concrete-Pour Backbox, Rounded Trimplate[1] **CPS** = Concrete-Pour Backbox, Squared Trimplate[1] **DC** = Universal 12-48 VDC input 5 pt **HR** = Heater Option for -40°C to 40°C Ambient **EX** = Special Input Transformer (specify voltage & frequency)[2] **T** = Self-testing Diagnostics (Nickel Metal Hydride units only) **TA** = Audible self-testing diagnostics (Nickel Metal Hydride units only)

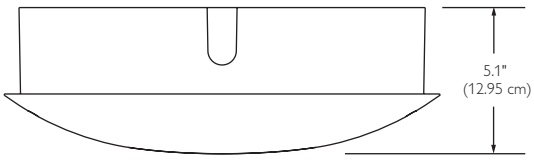
Note
1) Concrete-pour backboxes may be ordered for rough-in. See Accessories.
If backboxes are installed, omit ordering with CPR/CPS.
2) Certain option combinations may impact UL listing, consult factory for details.

Accessories
SDREMOTE = Infrared Remote
T10TPTOOL = Tamperproof Drive and Bit
RCPBBXX* = Concrete Pour Back Box, Rounded Trimplate
SCPBBXX* = Concrete Pour Back Box, Squared Trimplate

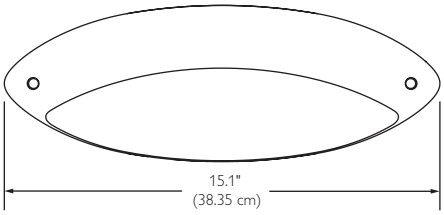
* = specify finish

Dimensions

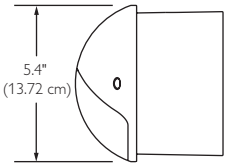
Front view

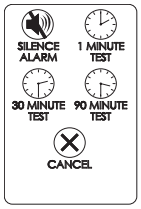


Top view



Side view





Infrared remote testing compatible with SDREMOTE hand-held remote test device

Features

Illumination: Illumination is provided by four 3-watt white 5000K LEDs; two field replaceable modules are driven in parallel. Multiple luminaires produce a 1 footcandle average along a 4' x 10' path of egress at a mounting height of 18" AFF.

Housing: Durable and fully gasketed die cast aluminum housing and cover with UV stabilized polycarbonate lens finished with choice of nine standard powder coat paint finishes. Tamperproof hardware is included standard. Concrete-pour backbox is provided standard and may be preshipped for rough-in.

Mounting: Universal mounting is a standard feature that allows for surface wall or semi-recessed wall mount. Bar hanger kit is supplied standard to accommodate recessed ceiling mount applications.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel metal hydride battery has an estimated service life of 10 years. Provides 90 minutes of emergency operation.

Operating temperature range
AC only models: -40°F (-40°C) to 104°F (40°C).
Self-powered models: 32°F (0°C) to 104°F (40°C).
Self-powered models with heater: -40°F (-40°C) to 104°F (40°C).

Input power requirements: See specification sheet.

Code compliance

UL 924, UL Wet Location, NFPA 101, NEC, IBC, BOCA, OSHA. UL 1598 poured concrete approved. ADA compliant when recessed mounted.

Warranty

Electronics: 3 years
Battery: 5 years full, 1 years pro-rata.

Radiante

Architectural LED egress

Incomparable in design and performance, Radiante is ideal for upscale interiors where traditional emergency lighting would detract from the designed space.

Features

Illumination: Provided by two 5 watt, white LEDs and a specular Miro 4 (Alanod™) aluminum reflector. The luminaire may be rotated in five-degree increments over a range of 60 degrees for ideal distribution along the egress path. Radiante will provide one footcandle average illumination over a 50' long path of egress.

Housing: Constructed of robust die cast and extruded aluminum. A full range of pleasing architecturally inspired finishes are available.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance-free, sealed, nickel metal hydride battery has an estimated service life of 10 years, and an Operating temperature range of 65°F (19°C) to 85°F (30°C). Provides 120 minutes of emergency operation.

Input power requirements:
120 VAC - 0.09 amps
277 VAC - 0.03 amps

Self-diagnostics

Standard self-diagnostic electronics perform an automatic one minute test of emergency operation every 30 days and a similar 30 minute test every 180 days. User may initiate a one minute or 90 minute test manually using the test switch or available infrared remote.

Code compliance

UL 924 listed, Optional UL damp location listing.

Warranty

Three year full electronics warranty. Five year full plus five year pro-rated NiMH battery warranty.

How to specify

RD	
Model series	Housing color
RD = Radiante Architectural Emergency Light	**W** = White **B** = Black **A** = Aluminum **G** = Gunmetal **BR** = Ornamental Bronze **AC** = Aged Copper **VG** = Velvet Green **N** = Nickel **GR** = Granite **Consult factory for other colors.**

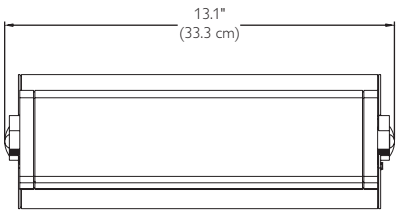
Options
TP = Tamperproof [1]
DL = Damp Location: 50°F (10°C) to 104°F (40°C)

Accessories
IRemote = Infrared Remote Control

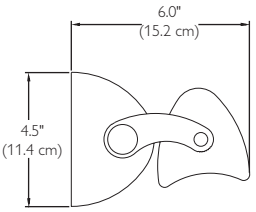
Notes
1) TP option includes tamperproof screws and kit for installation.

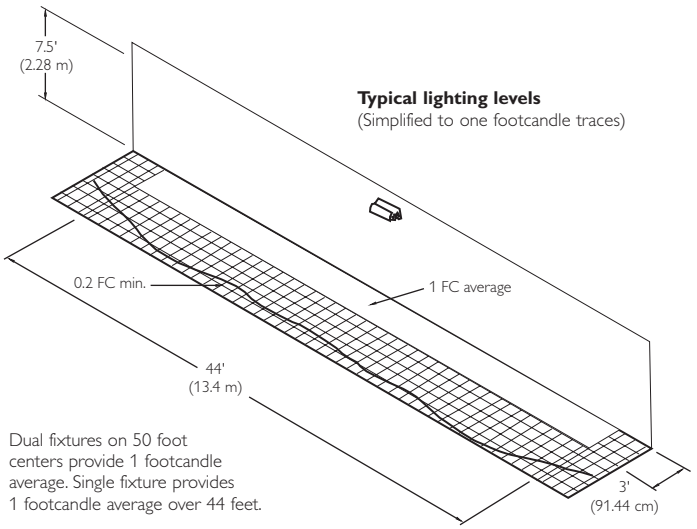
Dimensions

Front view



Side view





Typical lighting levels
(Simplified to one footcandle traces)

Dual fixtures on 50 foot centers provide 1 footcandle average. Single fixture provides 1 footcandle average over 44 feet.

RDNO

Radiante Normal AC

Radiante Normally-On fixture expands on the original Radiante product offering. Luminaire does not have a battery and operates in normal AC operation. Wide selection of decorative finishes makes the RDNO Series ideal for ambient and wall washing applications.

How to specify

RDNO	
Model series	Housing color
RDNO = Radiante Normally On	**W** = White **B** = Black **A** = Aluminum **G** = Gunmetal **BR** = Ornamental Bronze **AC** = Aged Copper **VG** = Velvet Green **N** = Nickel **GR** = Granite

Options
2CKT1 = 120VAC Two Circuit
2CKT2 = 277VAC Two Circuit
TP = Tamperproof [1]
DL = Damp Location

Notes
1) TP option includes tamperproof screws and kit for installation.

Features

Illumination: Illumination is provided by two 3 watt white LEDs and a specular Miro 4 (Alanod™) aluminum reflector. The luminaire may be rotated in five-degree increments over a range of 60 degrees for ideal illumination distribution.

Housing: Housing construction is of both cast and extruded aluminum. The unit is available in multiple colors and finishes.

Electronics: 120/277 VAC dual voltage input.

Input power requirements:
120 VAC - 0.05 amps
277 VAC - 0.02 amps

Code compliance

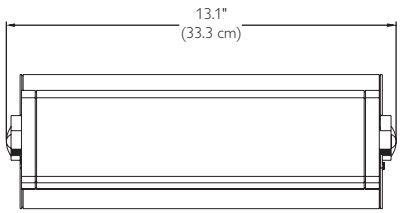
UL 924 and 1598; UL damp location listing optional NEC, BOCA and OSHA Illumination standard.

Warranty

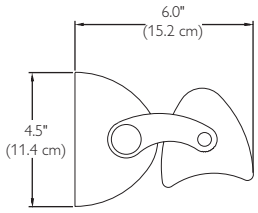
Three year full electronics warranty.

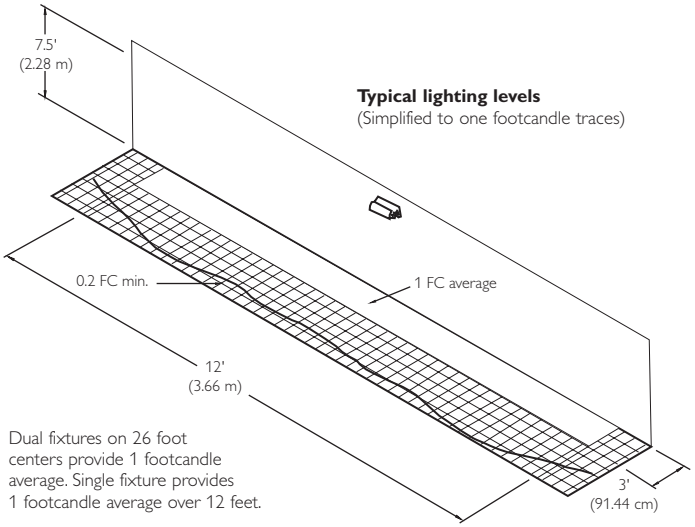
Dimensions

Front view



Side view





Typical lighting levels
(Simplified to one footcandle traces)

Dual fixtures on 26 foot centers provide 1 footcandle average. Single fixture provides 1 footcandle average over 12 feet.

EL Outlook

Emergency light

Miniature in design yet high in performance, EL series architectural emergency luminaire discretely blends into space be it wall or ceiling mount.

Features

Illumination: Rotatable reflector assemblies with adjustable beam patterns. Unit includes 6 VDC, 6 watt halogen lamps housed in impact resistant lamp covers.

Housing: Impact resistant, injection molded U/L 94-5VA flame retardant thermoplastic housing. UV-stabilized to resist discoloration.

Standard Self-Testing/Self-Diagnostics: Unit runs an internal test every 5 seconds for secondary voltage, charge current, battery voltage, and LED illumination. Performs automatic 1 minute discharge test every 30 days and 30 minute discharge test every 180 days meeting and exceeding UL 924 and NFPA 101 requirements. The Infrared Option allows a remote control to initiate a 5 second and 30 minute self-test in addition to the standard 1 minute and 90 minute manual test capability.

Electronics: 120/277 VAC dual voltage input. Microprocessor controlled charge, transfer and monitoring system. Charging system is complete with low voltage disconnect, AC lockout, and brownout protection. Includes an AC indicator/systems status lamp and manual test switch.

Battery: Maintenance free, sealed nickel metal hydride battery with 10 year life and an operating temperature between 14°F (-10°C) and 113°F (45°C). NiMH battery is a non-toxic, environmentally friendly product which is recyclable. Battery operation provides a minimum backup of 90 minutes.

Input power requirements:
2-Lamp: 120 VAC - .103 amps, 11.3W
277 VAC - .044 amps, 11.6W

Code compliance

UL 924 Listed, NFPA 101

Warranty

Electronics: 3 years
Battery: 5 yrs full, 5 yrs pro-rata

How to specify

EL	2		
Model series	Lamp qty	Enclosure color	Battery
EL	**2** = Two Lamp	**W** = Remote **B** = Black	**N** = NiMH

Options
I = Infrared Remote Sensor [1]
TD = Time Delay

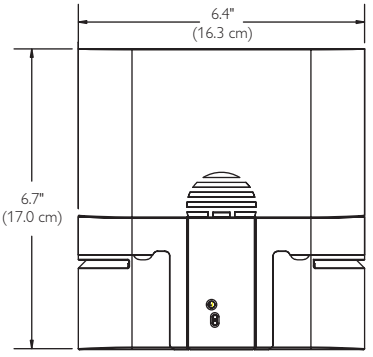
Accessories
IRemote = Infrared Remote Control [2]

Notes
1)For use with remote control which is ordered separately. Item number: IRemote
2)Infrared Remote Sensor (I) option must be ordered with unit to be compatible with IRemote.

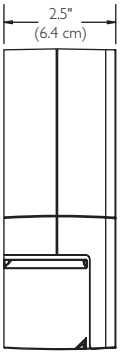
Dimensions

2-Lamp luminaire

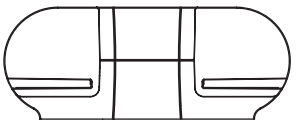
Front view



Side view



Top view



EN

EN series emergency lighting

The EN series combines high wattage output with an attractive housing. Available with up to 72 watts, the EN series provides powerful emergency lighting suitable for the most discriminating interiors.

How to specify

EN					SD2
Series	Voltage voltage	Battery/ type	Lamp	Housing color	Standard feature
EN = Thermoplastic Emergency Lighting Unit	**1** = 6V **2** = 12V 1	**Lead calcium** **12L** = 12W Unit **18L** = 18W Unit **25L** = 25W Unit **36L** = 36W Unit **50L** = 50W Unit **72L** = 72W Unit **Nickel cadmium** **25N** = 25W Unit **50N** = 50W Unit	**6V** **H6** = Halogen 6W bi-pin **H7** = Halogen 7W bi-pin **H10** = Halogen 10W bi-pin **H12** = Halogen 12W bi-pin **12V** **T12** = Tungsten 12W bi-pin **H12** = Halogen 12W MR16 flood **H20F** = Halogen 20W MR16 flood **H20S** = Halogen 20W MR16 spot	**W** = White **B** = Black	**SD2** = Self Diagnostics

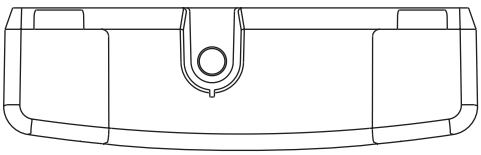
Options
A = Ammeter
ACF = 120/277 VAC input fuse
ACP = 120/277 VAC power switch
DCP = DC battery disconnect switch
DL = Damp location listing (Not available on 12 watt and 72 watt)
EX[1] = Special Input Transformer (specify voltage & frequency)
T = Self-testing diagnostics (non-audible)
TA = Audible self-testing diagnostics
TD = 15 Minute Time Delay
TP = Torx Tamperproof Hardware, Includes Bit
V = Voltmeter
Multiple option configurations may void UL listing. Consult factory for specifics.

Accessories (order as a separate line item)
SDREMOTE = Infra-Red remote test device
PCS1 = Polycarbonate Vandal Shield
SUMK = Universal Mounting Kit for Columns, Poles and I-beams
T15TPTOOL = Tamperproof Driver and Bit
WG5 = Wire Guard

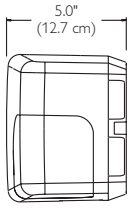
Notes
1) Certain option combinations may impact UL listing, consult factory for details.

Dimensions

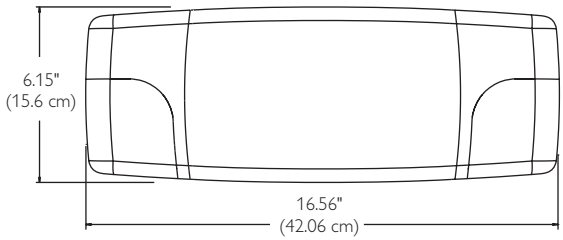
Top view

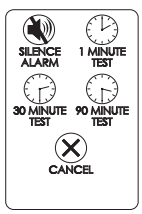


Side view



Front view





Infrared remote testing compatible with SDREMOTE hand-held remote test device

Features

Illumination: Includes two high performance lamp reflector systems integral to the housing. Each lamp reflector system can be adjusted 90° vertically and 90° horizontally.

Housing: Constructed of impact resistant, UL 94 V-0, 5VA white or black thermoplastic. A modular quick-connect plug-in wiring harness will allow line voltage connections in either the junction box or the product housing. An optional mounting plate and strapping kit (SUMK) may be used to mount the product to columns, poles and I-beams.

Electronics: Charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation. 120/277 VAC input, surge protection, brownout, AC lockout and low voltage disconnect features are standard.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and lamp load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years, and an Operating temperature range of 65°F (19°C) to 85°F (30°C). Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years, and an Operating temperature range of 20°F (-7°C) to 95°F (35°C).

Input power requirements:
120 VAC - 0.139 amps (6 VDC), 0.288 amps (12 VDC)
277 VAC - 0.060 amps (6 VDC), 0.125 amps (12 VDC)

Operating temperature range
Standard Location: 65°F (19°C) to 85°F (30°C).
Damp Location: 32°F (0°C) to 104°F (40°C).

Code compliance

UL 924 listed, UL damp location listing on select units only.

LVL

Damp/wet location

The LVL series is a sleek and compact emergency lighting fixture designed for damp and wet locations. Impact resistant polycarbonate lens allows installation in vandal prone or high abuse areas.

Features

Illumination: Provided by two high performance 5.5 watt, 6 VDC MR 16-style halogen lamps. Lamps are held in an attractive molded swivel assembly, and are fully adjustable. When mounted on 18' centers (8' AFF) the LVL will provide an average of one footcandle along a linear path of egress.

Housing: The high abuse housing, backplate and electronics shell are molded from high impact, GE Lexan® polycarbonate. White housing is standard, black or bronze is optional. All units are supplied standard with a UL damp location listing and tamperproof screw kit. Optional wet location listed products include a fully gasketed cover.

Installation: Wet location units may be mounted to standard 3½" and 4" octagonal junction boxes. Damp location units may be junction box or rigid conduit mounted.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state, fully automatic, voltage regulated charger. Charging system is complete with low voltage disconnect, AC lockout, brownout protection and combination indicator lamp and illuminated test switch. All circuit board components are coated with a moisture resistant protector.

Battery: Maintenance-free, sealed lead calcium battery has an estimated service life of 5 years and supplies 90 minutes of emergency power.

Input power requirements:
120 VAC - 0.05 amps
277 VAC - 0.02 amps

Operating temperature range
Damp location: 50°F (10°C) to 104°F (40°C)
Wet location: 41°F (5°C) to 104°F (40°C)
Wet location with heater: -4°F (-20°C) to 104°F (40°C)

Code compliance

UL 924 listed, UL damp location listing, optional UL wet location listing, NFPA 101, NEC, IBC, Meets ADA specifications for wall mounted lighting fixtures.

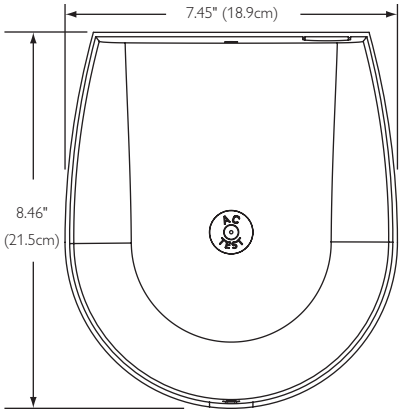
How to specify

LV	L		
Model series	Battery	Housing color	Location listing
LV = LV Series Damp/Wet Location Emergency Light	**L** = Lead Calcium	**W** = White **B** = Black **BZ** = Dark Bronze	**Blank** = Damp Location Listed **WL** = Wet Location Listed **HR** = Wet Location Listed with Battery Heater

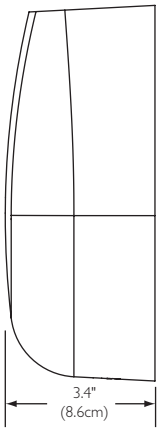
Accessories
T15TPTOOL = Tamperproof Tool

Dimensions

Front view



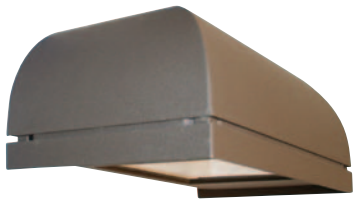
Side view



COL

COL / EOL series outdoor lighting

COL / EOL series is a normal AC wallpack with optional 35 watt Xenarc® lamp that can provide 1 footcandle average of egress lighting up to 20' away from building for applications requiring outdoor egress lighting to the "public way."



How to specify 100w HPS or 100w MH luminaire with/without 35w Xenarc® lamp (emergency module not included)

COL			BZ
Series	AC lamp type	Emergency function[1]	Housing color[2]
COL = Forward Throw Cutoff Luminaire	**1H** = 100-Watt, High-Pressure Sodium Lamp **1M** = 100-Watt, Metal Halide Lamp	**Blank** = AC Fixture, No Emergency Lamp **EM** = 35-Watt, Instant Strike Xenarc® Lamp	**BZ** = Dark Bronze

How to specify 100w HPS or 100w MH luminaire with 35w Xenarc® lamp and remote C3250LWDLTD emergency module

EOL		BZ
Series	AC lamp, 35w and C3 module	Housing color[2]
EOL = Forward Throw Cutoff Luminaire	**HRW(B)** = 100-watt High Pressure Sodium lamp & White (Black) C3 EM Module 3 **MRW(B)** = 100-watt Metal Halide lamp & White (Black) C3 EM Module 3	**BZ** = Dark Bronze

How to specify 100w HPS or 100w MH luminaire with 35w Xenarc® lamp and remote E4250LWT1(2) emergency module

EOL		BZ	
Series	AC lamp, 35w and E4 module	Housing color[2]	Time delay
EOL = Forward Throw Cutoff Luminaire	**HSW(B)** = 100W High Pressure Sodium lamp & White (Black) E4 EM Module 4 **MSW(B)**= 100W Metal Halide lamp & White (Black) E4 EM Module 4	**BZ** = Dark Bronze	**1** = 120V **2** = 277V

Notes
1) Requires a remote emergency power source of 12 VDC and at least 35-watts and TD to cover re-strike period.
2) Custom Colors available, consult factory.
3) See C3 sheet for product specifications
4) See E4 sheet for product specifications.

Features

Illumination: Normal AC operation is provided by choice of 100 watt high-pressure sodium or metal lamp and a Type IV specular aluminum reflector. Optional emergency lighting is provided by a 35 watt Xenarc® lamp; powered by a remote emergency module.

Housing: Premium die cast aluminum housing with dark bronze powder coat paint finish.

Electronics: HX/HPF core & coil ballast, spring loaded 4KV pulse rated HID socket, medium base.

Battery: Optional 35 watt Xenarc® lamp requires remote 12 VDC, 35 watts minimum remote emergency power module. See specification sheet for details.

Operating temperature range: -40°F (-40°C) to 104°F (40°C).

Input power requirements: 10/208/240/2772 VAC, 130 watts power consumption.

Code compliance

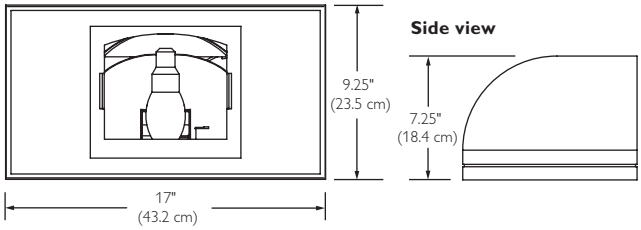
Wet Location Listed. ETL listed to UL 924 and UL 1598 specifications. NFPA 101, NEC, BOCA, OSHA and IBC illumination standards.

Warranty

5 years (excludes lamp).

Dimensions

Front view



Side view

ES

ES series steel unit

The ES series traditional styling, wide selection of battery wattages and lamp head wattages makes this versatile luminaire ideal for commercial and light industrial environments. ES series meets City of Chicago and City of New York code requirements.

Features

Illumination: Illumination is accomplished with fully adjustable metal lamps utilizing MR16, sealed beam PAR36 tungsten or halogen lamps.

Housing: Cabinet is constructed of heavy duty steel and finished standard with white powder coat paint finish. Nine optional powder coat paint finishes are available. A wide range of battery wattages and lamp head wattages are available.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and lamp load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

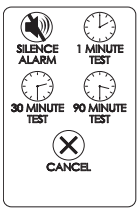
Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years or choice of maintenance free, sealed nickel cadmium battery with an estimated service life of 10 years. Provides 90 minutes of emergency operation.

Code compliance

UL 924; UL Damp Location (32°F (0°C) and 104°F (40°C), NFPA 101, NEC, IBC, BOCA and OSHA. New York City Approved; City of Chicago Approved (units with 12 watt and higher heads).

Warranty

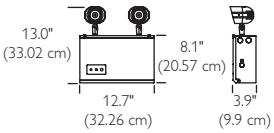
Electronics: 3 years; Battery (lead): 1 years full, 4 years pro-rata; Battery (ni-cad): 5 years full, 5 years pro-rata.

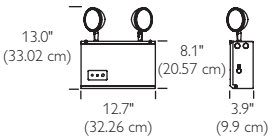


Infrared remote testing compatible with SDREMOTE hand-held remote test device

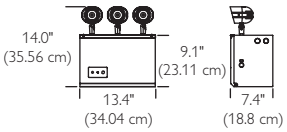
Dimensions

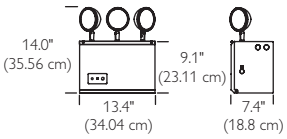
25-50 Watt



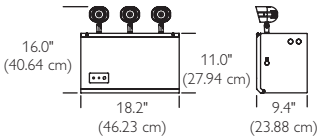


75-150 Watt





200-450 Watt



ES

ES series steel unit

The ES Series is ideal for light industrial applications and is available with up to three lamp heads mounted on top of enclosure. Optional strapping kits and mounting plates enable mounting to columns, poles or I-beams.

How to specify

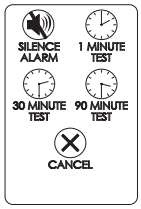
ES					SD2	
Series/ battery	Voltage	Battery/wattage	Number of heads	Lamp heads	Standard feature	Factory installed options
ES = Steel EM Unit	**1** = 6v **2** = 12v **3** = 24v	**6v Lead calcium** **25L** = 25 Watts **36L** = 36 Watts **50L** = 50 Watts **75L** = 75 Watts **100L** = 100 Watts **6v Nickel cadmium** **25N** = 25 Watts **50N** = 50 Watts **75N** = 75 Watts **12v Lead calcium** **50L** = 50 Watts **75L** = 75 Watts **100L** = 100 Watts **125L** = 125 Watts **150L** = 150 Watts **200L** = 200 Watts **250L** = 250 Watts **300L** = 300 Watts **450L** = 450 Watts **12v Nickel cadmium** **25N** = 25 Watts **50N** = 50 Watts **75N** = 75 Watts **100N** = 100 Watts **125N** = 125 Watts **150N** = 150 Watts **24v Lead calcium** **100L** = 100 Watts **300L** = 300 Watts **450L** = 450 Watts	**Blank** = No Lamp Heads **1** = One Lamp Head **2** = Two Lamp Heads **3** = Three Lamp Heads	**6VDC Tungsten** **CT8** = 8-Watt **CT18** = 18-Watt **CT25** = 25-Watt **CT30** = 30-Watt **6VDC Halogen** **CH6** = 6-Watt **CH8** = 8-Watt **CH12** = 12-Watt **12VDC Tungsten** **CT12** = 12-Watt **CT18** = 18-Watt **CT25** = 25-Watt **CT30** = 30-Watt **12VDC Halogen** **CH12** = 12-Watt **CH30** = 30-Watt **CH50** = 50-Watt **MR16 Lamps** **12VDC Halogen** **M20** = 20-watt, 40° **M35** = 35-watt, 25° **M35F** = 35-watt, 40° Flood **M50** = 50-watt, 25° **M50F** = 50-watt, 40° Flood **24VDC Halogen** **M450** = 50-watt, 40° MR16 **HP** = 50-watt PAR36 CT & CH Heads are chrome finish. M & HP Heads are painted white. See page 8.62 for alternate lamp heads.	**SD2** = Self-Diagnostics	**A** = Ammeter **BD** = Battery Disconnect Switch **BM** = Lamp heads installed on bottom of enclosure **DL** = Damp location listed (0° C to 40° C) **F1** =120VAC Input Fuse **F2** = 277VAC Input Fuse **P1** = 120VAC Power Switch **P2** = 277VAC Power Switch **SM**[1] = Lamp heads installed on the side of the enclosure[1] **T** = Self-Testing Diagnostics **TA** = Audible Self-Testing Diagnostics **TD** = Time Delay, 15-Minutes **V** = Voltmeter

1) Side Mounted lamp heads option (SM) are not installed onto the enclosure at the factory

Accessories

SDREMOTE = Infrared remote test device
SSMP = White Mounting Shelf for 25-50w units
SMMP = White Mounting Shelf for 75-150w units
SLMP = White Mounting Shelf for 200-450w units
SKIT = Strapping Kit for column/pole/i-beam mounting

WG5 = Wire Guard for 25-150w units
WG = Wire Guard for 200-450w units
10013 = Line cord for field installation (6' 18/3, 120VAC)



Infrared remote testing compatible with SDREMOTE hand-held remote test device

FBP

Linear battery packs

FBP Series battery packs provide standard fluorescent luminaires with emergency back-up. Batteries operate a wide range of wattages of T8, T12 and compact fluorescents lamps.

Features

Housing: Constructed of 20 gauge steel with powder coat paint finishes.

Electronics: 120/277 VAC dual voltage input with surge protected, solid-state circuitry.

Battery: Maintenance free, sealed nickel cadmium battery. Provides 90 minutes of emergency operation.

Code compliance

UL 924.

How to specify

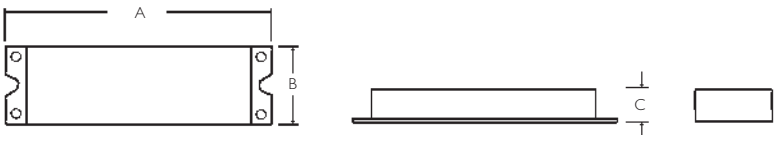
Lamp type / maximum initial lumens							Optional damp location listing	Suitable for use in sealed & gasketed luminaires
	T8, 17-40W	T8, 59-86W	T12, 40-96W	T5, 28/54W	Compact 18-42W	Long compact 18-55W		
FBP30T	•/•• 3000	• 3000	• 3300		•/•• 3200	•/•• 3500	√	
FBP30ST	•/•• 3000	• 3000	• 3300		•/•• 3200	•/•• 3500		
FBP30T5				• 2450/2700				
FBP33	••/••• 3400				•• 3200	•• 3200		
FBP50	•/•• 1350		•/•• 1100		•/•• 1100	• 900	√	√
FBP50T	•/•• 1350		•/•• 1100		•/•• 1100	• 900	√	√
FBP50ST-N	•/•• 1350	• 1350	•/•• 1100			• 1100	√	
FBP60	•/•• 700	• 700	•/•• 700			•/•• 700	√	√
FBP70A	• 700	• 700	• 700			• 700	√	√
FBP90	• 600		• 600			• 600	√	√
FBP100FE	• 450		• 450			• 450		√
Disclaimer: See individual specification sheets for specific lamp and lumen information.								

Options
EX = Special input transformer for 220 VAC/50 Hz, 240VAC/50 Hz
Contact factory for other input voltages and frequencies.
DL = UL Damp Location Listing

Notes
1) 2' - 4' lamps only
2) Includes Remote Test Switch and Wall Plate
3) Supports (1) 17-32W T8 lamp for 120 minutes.
4) See individual specification sheets for specific lamp information
* UL Damp Location available on selected units (marked by *)

Accessories
CCAPS = Wire bundle cover for mounting external to luminaire
RTS = Single gang aluminum faceplate pre-drilled to accommodate remote installation of test switch and pilot light

Dimensions



	FBP33	FBP30T	FBP30ST	FBP50	FBP50T	FBP50ST-N	FBP60	FBP70A	FBP90	FBP100FE
A	16.3"	16.3"	16.3"	13.3"	13.3"	13.3"	9.4"	9.4"	9.4"	9.4"
B	5.6"	5.6"	5.6"	2.4"	2.4"	2.4"	2.4"	2.4"	2.4"	2.4"
C	1.7"	1.7"	1.7"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"

FBP

Low profile battery packs

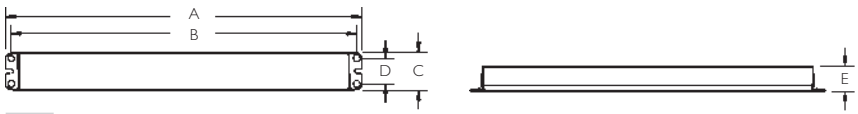
FBP low profile series battery packs provide standard fluorescent luminaires with emergency back-up. Batteries operate a wide range of wattages of T5, T8 and long compact fluorescents lamps.

How to specify

Lamp type / maximum initial lumens				Optional damp location listing	Suitable for use in sealed & gasketed luminaires
	T5, 14-54W	T8, 17-40W	Long compact 18-55W		
FBP450L		• 450	• 450	√	
FBP500LT		• 500	• 450	√	√
FBP520LT	• 400	• 700		√	√
FBP700LT	• 620	• 635	• 510	√	√
FBP1300LT	• 725	• 1100	• 900	√	√
Disclaimer: See individual specification sheets for specific lamp and lumen information.					

Options
EX = Special input transformer for 220 VAC/50 Hz, 240VAC/50 Hz
Contact factory for other input voltages and frequencies.
DL = UL Damp Location Listing

Dimensions



	FBP450L	FBP500LT	FBP520LT	FBP700LT	FBP1300LT
A	14.0"	16.7"	18.5"	18.5"	21.5"
B	1.5"	1.7"	1.2"	1.2"	1.2"
C	1.0"	1.2"	1.0"	1.2"	1.2"

Features

Housing: Constructed of 20 gauge steel with powder coat paint finishes.

Electronics: 120/277 VAC dual voltage input with surge protected, solid-state circuitry.

Battery: Maintenance free, sealed nickel cadmium battery. Provides 90 minutes of emergency operation.

Code compliance

UL 924.

How to specify

Lamp type / maximum initial lumens					Optional		
	2 PIN, 5-13W	2 PIN, 10-26W	4 PIN, 13-50W	4 PIN, 42/57W	Long compact 18-55w	Damp location listing	Suitable for use in sealed and gasketed luminaires
FBPPL-N	• 625					√	
FBPPL26-N		• 650				√	
FBPF50T		• 450	• 500	• 1100/1400	•/•• 1100	√	√
FBP750-4PT			•/•• 750			√	√
FBP1000-4PT			• 1000		• 1100	√	√
FBP1000-4PST			•/•• 1000		• 825		
Disclaimer: See individual specification sheets for specific lamp and lumen information.							

	FBPPL-N	FBPPL26-N	FBPF50T	FBP750-4PT	FBP1000-4PT	FBP1000-4PST
A	9.4"	9.4"	13.3"	9.4"	13.3"	13.3"
B	2.4"	2.4"	2.4"	2.4"	2.4"	2.4"
C	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"

Options
DL = UL Damp Location Listing

FBP Series

Comps

FBP Series compact fluorescent battery packs provide standard fluorescent luminaires with emergency back-up. Batteries operate a wide range of wattages of 2-pin and 4-pin lamps.

Features

Housing: Constructed of 20 gauge steel with powder coat paint finishes. Battery packs are standard with 2' of flexible conduit at each end of housing.
Electronics: 120/277 VAC dual voltage input with surge protected, solid-state circuitry.
Battery: Maintenance free, sealed nickel cadmium battery. Provides 90 minutes of emergency operation.

Code compliance

UL 924.

E3

Thermoplastic units

The E3 Series provides egress lighting in a wide variety of wattages. The thermoplastic housing and high performance electronics make the units ideal for commercial or light industrial applications.

Features

Illumination: Allows up to three mounted lamp heads. The standard lamp head incorporates a high performance parabolic reflector with a wedge base tungsten lamp.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA white thermoplastic. Universal J-box mounting pattern, keyhole slots or shelf mounting.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Choice of maintenance free, sealed lead calcium battery with five year life and Operating temperature range of 65°F (19°C) to 85°F (30°C), or maintenance free, sealed nickel cadmium battery with 10 year life and Operating temperature range of 20°F (-7°C) to 95°F (35°C).

Input power requirements:
120 VAC - 0.18 amps, 20W
277 VAC - 0.08 amps, 20W

Code compliance

UL 924 listed; CUL listing for 30 minute operation; NFPA 70 and NFPA 101; NEC and OSHA standards

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata (lead calcium); 5 year full, 5 years pro-rata (nickel cadmium)

How to specify

E3						
Model series	Voltage	Battery/ DC Wattage		Number of heads	Lamp heads	Housing color
E3 = Thermoplastic Emergency Lighting Unit	**1** = 6V **2** = 12V	**6V, Lead calcium** **18L** = 18W [2] **25L** = 25W [2] **36L** = 36W [2] **50L** = 50W [2]	**6V, Nickel cadmium** **14N** = 14W **18N**= 18W **25N** = 25W **50N** = 50W	**1** = One **2** = Two **3** = Three Heads **Blank** = No Heads	**6V** **S6** = 5.4W **S7** = 7.2W **S9** = 9W	**W** = White
		12V, Lead calcium **36L** = 36W [2] **50L** = 50W [2]	**12V, Nickel cadmium** **25N** = 25W **50N** = 50W		**12V** **S9** = 9W **S12** = 12.5W **S18** = 18W	

Options
V = Voltmeter [1]
A = Ammeter [1]
T1 = 120 VAC Time Delay (15 minutes)
T2 = 277 VAC Time Delay (15 minutes)
LCK1 = Line Cord (6', 120 VAC field installed)
DC = DC Power Switch
DL = Damp Location Listing [2]

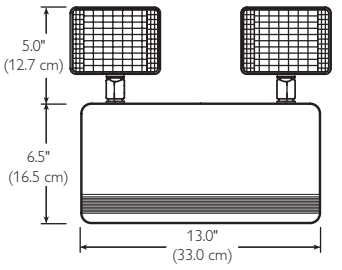
Accessories
WG5 = Wire Guard
PCS1 = Polycarbonate Vandal Shield
MSSHELFW = White Mounting Shelf

Notes
1) Not available for use with SD, SA and SDTD options.
2) Selected models are available with damp location option.

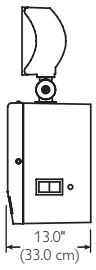
Multiple option configurations may void UL listing. Consult factory for specifics.

Dimensions

Front view



Side view



E6

Thermoplastic units

The E6 Series is a decorative and economical emergency lighting unit designed for easy installation.

How to specify

E6		
Model series	Wattage	Housing color
E6 = E6 Series Emergency Lighting Unit	**11** = 11W **18** = 17W w/ 6W Remote Capability	**W** = White **B** = Black

Options
SD = Self-Diagnostics (White only)

Accessories
WG5 = Wire Guard

Features

Illumination: Illumination is accomplished with two adjustable lamps heads with 6 VDC, 5.4W lamps.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA white or black thermoplastic.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an Operating temperature range of 68°F (20°C) to 104°F (40°C). Provides 90 minutes of emergency operation.

Input power requirements:
.045A (120VAC)
.020A (277VAC)

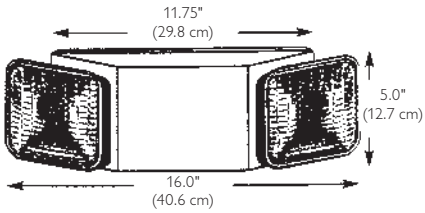
Code compliance

UL 924 listed; NFPA 70 and NFPA 101; NEC and OSHA standards. UL listed for damp locations.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata

Dimensions



E7

Thermoplastic units

The E7 Series is a high wattage, remote capable, commercial emergency lighting unit.

Features

Illumination: Illumination is provided by two fully adjustable 9W, Par 36 style lamp heads.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA off-white thermoplastic.

Electronics: 120/277 VAC dual voltage input with solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years, and an Operating temperature range of 65°F (19°C) to 85°F (30°C). 68°F (20°C to 104°F (40°C). Provides 90 minutes of emergency operation.

Code compliance

UL 924 listed; NFPA 70 and NFPA 101; NEC and OSHA standards

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata

How to specify

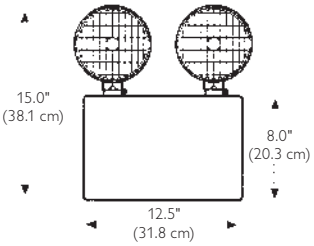
E7	
Model series	Voltage/ wattage
E7 = E7 Series Emergency Lighting Unit	**150L** = 6V, 50W **1100L** = 6V, 100W **250L** = 12V, 50W **2100L** = 12V, 100W

Accessories
WG5 = Wire Guard

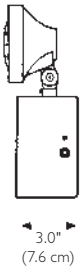
Dimensions

60 Watt units

Front view

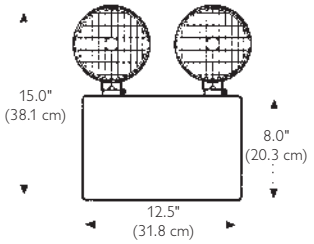


Side view

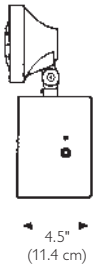


120 Watt units

Front view



Side view



E8

Thermoplastic units

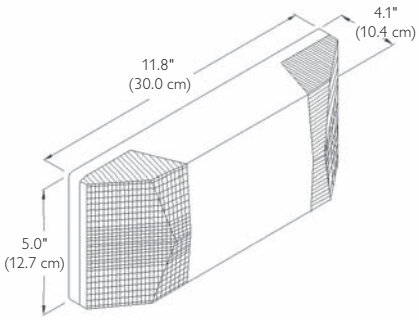
The E8 Series is designed to provide economical and efficient emergency lighting.

How to specify

E8	
Model series	Housing color
E8 = E8 Series 6V, 11W Emergency Lighting Unit	**W** = White

Accessories
WG5 = Wire Guard

Dimensions



Features

Illumination: Illumination is accomplished with two 6V, 5W DC T5 wedge base lamps for emergency mode.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA white thermoplastic. Innovative, snap-together housing design allows for fast installation. Two flush mounted fresnel lenses maximize light output and provide glare free light distribution.

Electronics: 120/277 VAC dual voltage input with solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years, and an Operating temperature range of 68°F (20°C) to 86°F (30°C). Provides 90 minutes of emergency operation.

Code compliance

UL 924 listed for damp locations.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata

C1

C1 series recessed unit

The C1 Series incorporates a contemporary, low profile design and is ideal for sheetrock applications.

Features

Illumination: Illumination is provided by two adjustable rectangular thermoplastic heads.

Housing: Backbox is constructed of 20 gauge galvanized steel, flush cover is constructed of UL 94 V-O, 5 VA white thermoplastic.

Mounting: Fully recessed mounting in sheetrock; both ceiling and wall. An optional bar hanger kit is available for suspended ceiling installations.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years. Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years. Provides 90 minutes of emergency operation.

Input power requirements:
6V: 0.07A (120VAC); 0.03A (277VAC)
12V: 0.29A (120VAC); 0.13A (277VAC)

Code compliance

UL 924, NFPA 101, NEC, IBC, BOCA, OSHA.

Warranty

Electronics: 3 years; Lead Calcium Battery: 1 year full, 4 years pro-rata; Nickel Cadmium Battery: 5 years full, 5 years pro-rata.

How to specify

C1					
Model series	DC Voltage	Battery/ DC Wattage	Number of heads	Lamp heads	Finish
C1 = Recessed Emergency Lighting Unit	**Blank** = 6V **2** = 12V	**6V, Lead calcium** **18L** = 18W Unit **25L** = 25W Unit **6V, Nickel cadmium** **14N** = 14W Unit **28N** = 28W Unit **12V, Lead calcium** **50L** = 50W Unit **75L** = 75W Unit	**2** = Two	**Rectangular wedge base** **S6** = 5.4W Tungsten (6V Only) **S7** = 7.2W Tungsten (6V Only) **S9** = 9W Tungsten **S12** = 12W Tungsten (12V Only) **S18** = 18W Tungsten (12V Only)	**W** = White

Options
V = Voltmeter
DL = Damp Location Listing (12v, 50W units only)

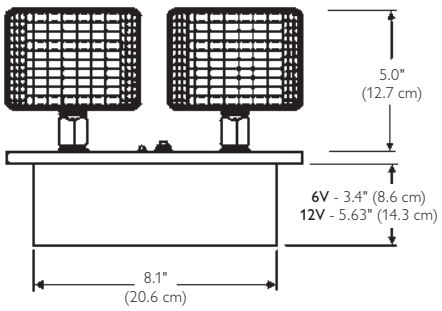
Notes
C128N cannot accommodate a voltmeter.

Accessories
BHK1 = Bar Hanger Kit
PCS1 = Polycarbonate Vandal Shield

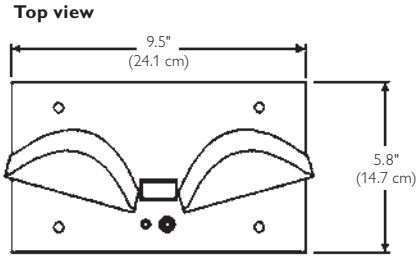
Notes
Selected heads are listed above. For other heads, see page 8.62.

Dimensions

Front view



Top view



C2

C2 series recessed unit

The C2 Series incorporates a low profile design, wide selection of lamp wattages and is ideal for suspended ceiling applications.

How to specify

C2					
Model series	Voltage	Battery/ DC Voltage		Number of heads	Lamp heads
C2 = Recessed Emergency Lighting Unit	**1** = 6V **2** = 12V	**6V, Lead calcium** **25L** = 25W Unit **50L** = 50W Unit **6V, Nickel cadmium** **14N** = 14W Unit **25N** = 25W Unit	**12V, Lead calcium** **50L** = 50W Unit **12V, Nickel cadmium** **25N** = 25W Unit **50N** = 50W Unit	**4** = Four **3** = Three **2** = Two **1** = One **Blank** = No Lamp Heads	**6V Round wedge base** **RT6** = 5.4W Tungsten **RT7** = 7.2W Tungsten **RT9** = 9W Tungsten **RH7** = 7W Halogen **RH9** = 9W Halogen **RH12** = 12W Halogen **12V Round wedge base** **RT9** = 9W Tungsten **RT12** = 12.5W Tungsten **RT18** = 17.9W Tungsten **RH12** = 12W Halogen

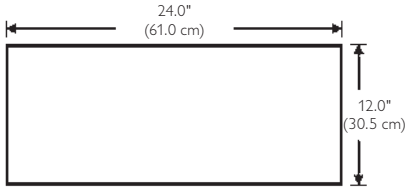
Options
V = Voltmeter [1]
A = Ammeter [1]
T1 = 120 VAC Time Delay (15 minutes)
T2 = 277 VAC Time Delay (15 minutes)
F1 = 120 VAC Fuse
F2 = 277 VAC Fuse
P1 = 120 VAC Power Switch
P2 = 277 VAC Power Switch

Notes
1) Not available for use with SD, SA and SDTD options.

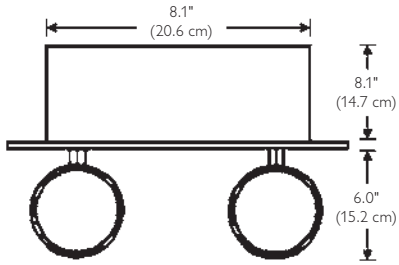
Multiple option configurations may void UL listing. Consult factory for specifics.

Dimensions

Back View



Top view



Features

Illumination: Illumination is provided by up to four adjustable thermoplastic heads.

Housing: Housing and faceplate are constructed of 18 gauge galvanized steel, finished with a white powder coat paint finish.

Mounting: Fully recess mounting in suspended ceiling installations.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years. Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years. Provides 90 minutes of emergency operation.

Input power requirements:
0.15A (120VAC); 0.065A (277VAC)

Code compliance

UL 924, NFPA 101, NEC, IBC, BOCA, OSHA.

Warranty

Electronics: 3 years
Lead Calcium Battery: 1 year full, 4 years pro-rata
Nickel Cadmium Battery: 5 years full, 5 years pro-rata.

C3

Power module

The C3 Series is designed to support 12V outdoor remote fixtures/heads and is offered in 50 watt and 75 watt capacity. Mounts fully recessed in ceiling or wall.

Features

Housing: Rough-in enclosure fabricated from 20 gauge die-formed galvanized steel. Trim plate fabricated from 12 gauge steel.

Electronics: Automatic voltage regulated charging system. 2-state charger eliminates the need for periodic battery exercising. Pre-wired plug-in receptacle is provided within the enclosure for routing 12 VDC emergency power to remote emergency luminaires.

Battery: Maintenance-free, sealed lead calcium battery has an estimated service life of 5 years, and an Operating temperature range of 65°F (19°C) to 85°F (30°C). Damp location unit has an Operating temperature range of 50°F (10°C) to 104°F (40°C).

Input power requirements:
C3250 - 120 VAC: 0.22 amps; 277 VAC: 0.11 amps
C3275 - 120 VAC: 0.21 amps; 277 VAC: 0.11 amps

Code compliance

UL 924 listed. UL Damp Location Listing optional on 50 watt modules.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata

How to specify

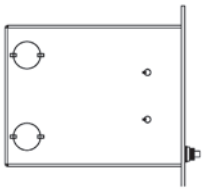
C3	**2**			
Model series	DC Voltage	Output wattage	Battery	Trim cover finish
C3 = C3 Series Power Module	**2** = 12V	**50** = 50W **75** = 75W	**L** = Sealed Lead Calcium	**W** = White **B** = Black

Options
DL = UL Damp Location Listing
Available on 50 watt unit only.

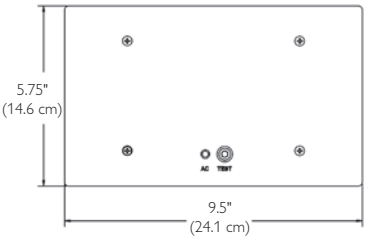
Accessories
BHK1 = Bar Hanger Kit for Mechanical Ceilings

Dimensions

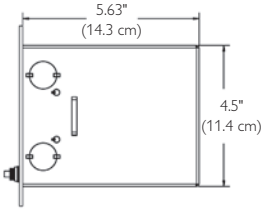
Side view



Front view



Side view



D

D series exterior fixtures

Designed for indoor/outdoor use, D Series are constructed with rustproof and impact resistant material. Luminaires are suitable for schools, hotels and commercial spaces. D Series operate in normal AC operation and have an optional battery and supplemental lamps for egress lighting.

D1

D2

D3

D4

How to specify

Model series	Battery	Lens	Housing finish	Voltage (AC Only)
D1 = (1) 2-pin 13w Twin Tube Lamp **D2** = (1) 13w Quad Lamp **D3** = (1) 13w Quad Lamp **D4** = (2) 13w Twin Tube Lamps	**Blank** = AC Only **EM** = Nickel Cadmium (2)	**C** = Clear Prismatic **W** = Opal White	**BR** = Dark Bronze **WH** = White	**1** = 120 VAC **2** = 277 VAC (Emergency units are standard 120/277)

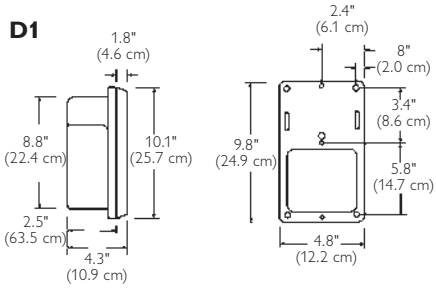
Options
TP = Tamperproof Hardware (requires #TPTOOL, ordered separately)
CW = 0°F Cold Weather Ballast (AC Only Units, not available with EM units)
T = Top Conduit Connection (1)
B = Bottom Conduit Connection (1)
R = Right Conduit Connection (1)
L = Left Conduit Connection (1)

Accessories
TPTOOL = Tamperproof Tool

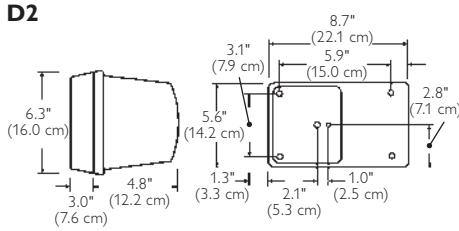
Notes
1) Not required for D1 Series which is furnished standard with five (5) knockouts for 1/2" conduit. 1/2" Conduit Connections locations are relative to Front view of luminaire.
2) D1, D2 & D3 Series emergency illumination is provided by (2) 4 watt wedge base lamps. D4 Series emergency illumination is provided by (2) 5.4 watt wedge base lamps.

Dimensions

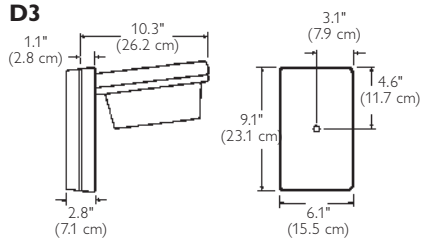
D1



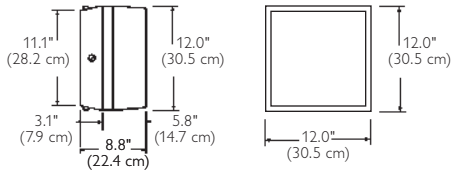
D2



D3



D4



Features

Illumination: Normal AC operation is provided by compact fluorescent lamps. Optional emergency illumination is provided by wedge base lamps.

Housing: Impact resistant polycarbonate housing is offered in white or dark bronze finish. Choice of clear prismatic or opal white polycarbonate lenses.

Electronics: AC Only models are 120 VAC or 277 VAC and must be specified. Emergency units are 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery provides 90 minutes of emergency operation.

Operating temperature range:
AC only models: 32°F (0°C) to 95°F (35°C).

AC only models with optional cold weather ballast: 0°F (-17°C) to 95°F (35°C).

Self-powered models: 32°F (0°C) to 95°F (35°C).

Input power requirements:
D1: 0.15 amps, 17 watts
D2: 0.15 amps, 17 watts
D3: 0.15 amps, 17 watts
D4: 0.30 amps, 34 watts

Code compliance

NFPA 70, NFPA 101, Wet Location Listed

Warranty

Electronics: 1 year
Battery: 1 year.
IES Files are not available for D Series.

DEG

Recessed Units

DEG series is a fully recessed gimbal ring available as a remote fixture to be powered by a remote emergency module or can be supplied with an integral battery.

DEG Series

Recessed round PAR 36 gimbal
6 volt self-contained recessed gimbal fixture. Three year electronics warranty, one year full battery warranty, four years pro-rata.

DG2 Series

Recessed halogen gimbal
Remote recessed gimbal fixture. Three year warranty.

Code compliance

DEG is UL 924 listed

How to specify (DEG)

DEG
Model series

DEG7 = 6v, 7w lamp, Lead Calcium battery
DEG8 = 6v, 8w lamp, Lead Calcium battery
DEGN7 = 6v, 7w lamp, Nickel cadmium battery
DEGN8 = 6v, 8w lamp, Nickel cadmium battery
DEG12C = 6v, 12w halogen lamp, Lead Calcium battery, City of Chicago Approved

How to specify (DG2)

DG2		
Model series	Voltage	Wattage

DG2 = Decorative Recessed Gimbal Fixture

1 = 6V
2 = 12V

6V, Tungsten
18T = 18W
25T = 25 W

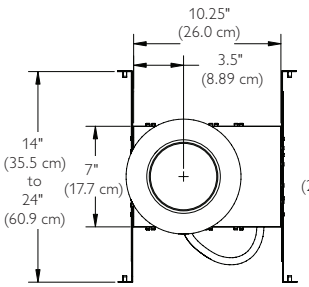
12V ,Tungsten
18T = 18W
25T = 25W

6V, Halogen
8H = 8W

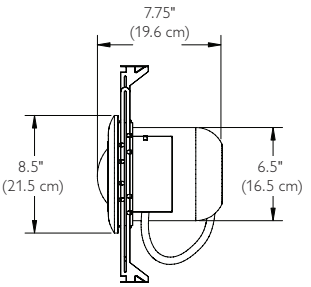
Notes
Battery not included with fixture. A remote battery source required for emergency operation.

Dimensions

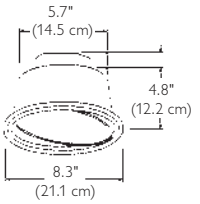
Front view



Side view



DG2 Series

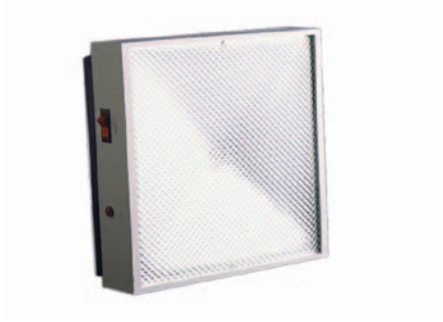


IES files are not available for DG series. DG Series is not UL listed.

S1

Self-contained units

The S1 series is a versatile, self-contained emergency lighting fixture. The S1 can be surface mounted, semi-recessed or fully recessed ceiling mount.



How to specify

S1		
Model series	Battery/ wattage	Mounting configuration
Master units **S1** = Self-Contained Emergency Lighting	**Master units** **Lead calcium** **12L** = 6V, 12W	**S** = Surface **R** = Fully Recessed[2]
Remote units[3] **S1R6** = 6V **S1R12** = 12V[4]	**Nickel cadmium**[1] **12N** = 6V, 12W **26N** = 6V, 26W	

Options
V = Voltmeter
P = Polycarbonate Lens
2L = (2) 7W Lamps (S126N Only)

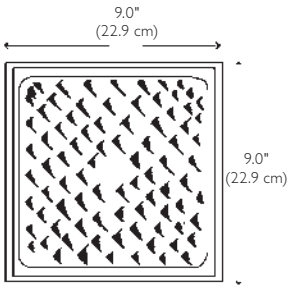
Accessories
RMP1 = Semi-Recessed Mounting Kit
WG3 = Wire Guard

Notes
1) Nickel cadmium units are recommended for recessed applications.
2) For semi-recessed applications, order the surface mount unit with the RMP1 accessory. Fully recessed units can only be used on suspended ceilings.
3) DC wattage is determined by master unit.
4) 12V remote units can only be remoted with 12V single point units.

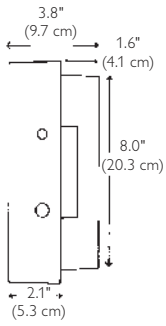
Dimensions

Surface mount

Front view

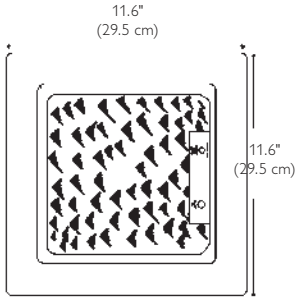


Side view

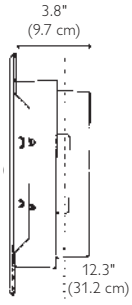


Fully recessed mount

Front view



Side view



IES files are not available for S1 Series.

Features

Illumination: Illumination is provided by halogen lamps. 12 watt units are furnished with 12 watt halogen lamp; 26 watt unit is furnished with 7 watt halogen lamp.

Housing: Constructed of impact resistant, UL 94 V-0, 5 VA thermoplastic frame and backbox. The semi-recessed backbox is constructed of 22 gauge steel. The frame is matte white with a black backbox. An acrylic lens is standard. A shatter-resistant polycarbonate lens is available.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Choice of maintenance free, sealed lead calcium battery with 5-year life and Operating temperature range of 65°F (19°C) to 85°F (30°C), or maintenance free, sealed nickel cadmium battery with 10-year life and Operating temperature range of 20°F (-7°C) to 95°F (35°C).

Input power requirements:
120 VAC - 0.096 amps, 10W
277 VAC - 0.04 amps, 10W

Code compliance

UL 924 listed; NFPA 70 and NFPA 101;
NEC and OSHA illumination standards

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata (lead calcium); 5 year full, 5 years pro-rata (nickel cadmium)

MJ

MJ series Chicago gimbal unit

The MJ Series recessed emergency lighting gimbal unit meets City of Chicago code requirements.

Features

Illumination: A high output incandescent sealed beam lamp provides glare free distribution. 6 volt, 12 watt bi-pin halogen lamp has an expected life of 100 hours.

Housing: Housing, Plaster Ring and adjustable Gimbal Trim are constructed of heavy duty steel and are finished with white powder coat paint finish.

Electronics: 120/277 VAC dual voltage input with surge protected solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 68°F (20°C) and 86°F (30°C). Provides 90 minutes of emergency operation.

Code compliance

UL 924, NFPA 101, NEC, OSHA and City of Chicago codes, Meets CCEA plenum rating requirements.

Warranty

Electronics: 3 years
Battery: One year full, four years pro-rata. Lamps are excluded.

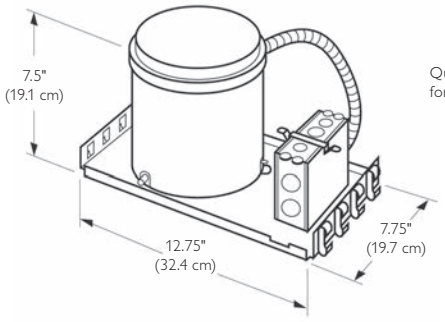
How to specify

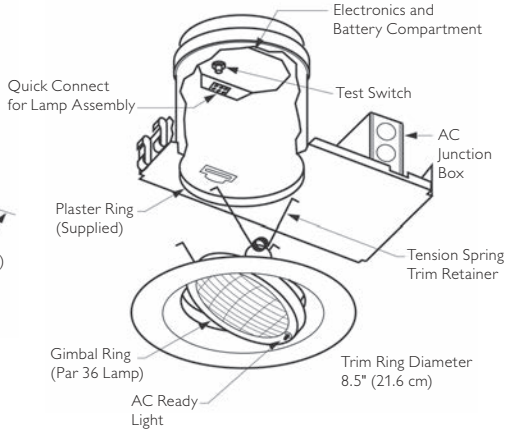
MJ	**1**	**12**	**W**
Model series	Voltage	Battery wattage	Housing color
MJ = Chicago Gimbal Unit	**1** = 6V	**12** = 12 Watt	**W** = White

Options
B = Black Finish
SP = Special Paint Finish - Specify Color

AGN = Nickel Cadmium Battery

Dimensions





MJ1

MJ1 series Chicago steel unit

The MJ1 Series features traditional styling with high output halogen lighting heads and steel construction. MJ1 Series meets City of Chicago code requirements.

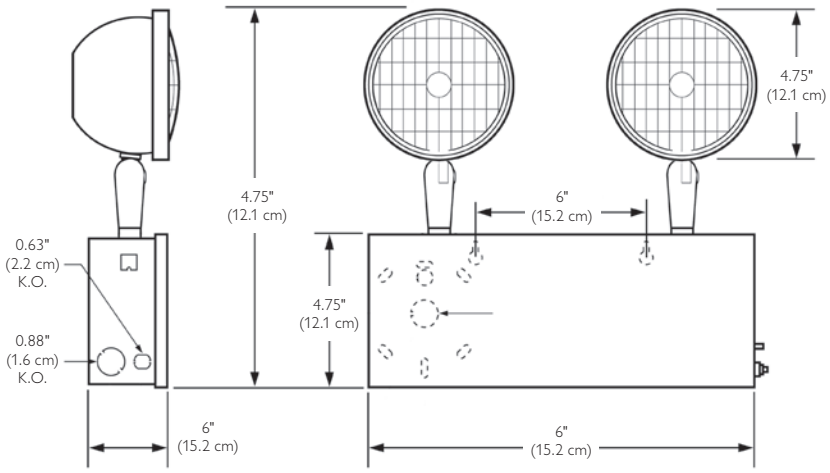
How to specify

MJ1	1	24L	H12	W
Model series	Voltage	Battery wattage	Lamp type	Housing color
MJ1 = Chicago Steel Unit	**1** = 6V	**24L** = 24 Watt, Lead calcium	**H12** = Halogen 12W	**W** = Neutral Cream

Options
V = Voltmeter (1)
A = Ammeter (1)
LC = 3-Conductor Line Cord - 120VAC
B = Black Finish - Housing and Lighting Heads
SX = Self-Diagnostic Circuit
NBN = Nickel Cadmium Battery
(1) Unit has provisions for one meter option only.

Accessories
MJPG5 = Wire Guard
MJB1 = Mounting Bracket
MJS2 = Mounting Shelf
MJVERS = Vandal/Environmental Shield
MJVERS4X = Vandal/Environmental Shield with Gasket

Dimensions



Features

Illumination: A high output incandescent sealed beam lamps provides glare free distribution. 6 volt, 12 watt bi-pin halogen lamps has an expected life of 100 hours.

Housing: Cabinet is constructed of heavy duty steel and finished with neutral cream powder coat paint finish. Metal lamp heads are fully adjustable and are finished to match cabinet.

Electronics: 120/277 VAC dual voltage input with surge protected solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 68°F (20°C) and 86°F (30°C). Provides 90 minutes of emergency operation.

Code compliance

UL 924, NFPA 101, NEC, OSHA and City of Chicago codes.

Warranty

Electronics: 3 years
Battery: One year full, four years pro-rata. Lamps are excluded.

MJ2

MJ2 series Chicago steel unit

The MJ2 Series features traditional styling with high output halogen lighting heads and steel construction. MJ2 Series meets City of Chicago code requirements.

Features

Illumination: A high output incandescent sealed beam lamps provides glare free distribution. 6 volt or 12 volt, 12 watt bi-pin halogen lamps have an expected life of 100 hours.

Housing: Cabinet is constructed of heavy duty steel and finished with neutral cream powder coat paint finish. Metal lamp heads are fully adjustable and are finished to match cabinet.

Electronics: 120/277 VAC dual voltage input with surge protected solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 68°F (20°C) and 86°F (30°C). Provides 90 minutes of emergency operation. Pure lead and nickel cadmium batteries are also available.

Code compliance

UL 924, NFPA 101, NEC, OSHA and City of Chicago codes.

Warranty

Electronics: 3 years
Battery: Lamps are excluded.

How to specify

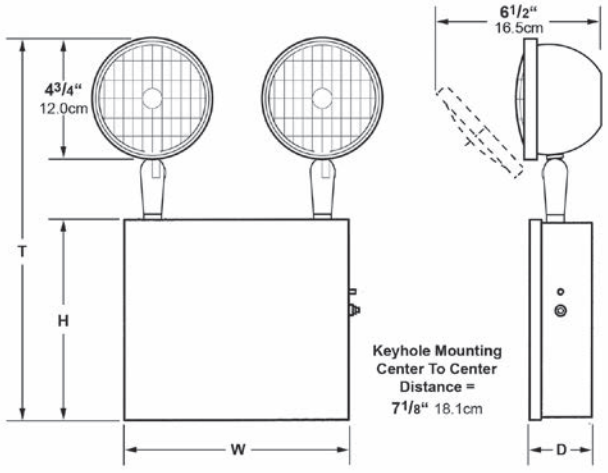
MJ2		**12**	**H12**	**W**
Model series	Voltage	Battery wattage	Lamp type	Housing color
MJ2 = Chicago Steel Unit	**1** = 6V **2** = 12V	**6 volt** **25L** = 25w Lead Calcium **36L** = 36w Lead Calcium **50L** = 50w Lead Calcium **75L** = 75w Lead Calcium **100L** = 100w Lead Calcium **12 volt** **36L** = 36w Lead Calcium **50L** = 50w Lead Calcium **100L** = 100w Lead Calcium **150L** = 150w Lead Calcium **250L** = 250w Lead Calcium	**H12** = Halogen 12W	**W** = Neutral Cream

Options
V = Voltmeter[1]
A = Ammeter[1]
A1H = Add One Lighting Head (25 & 30 watt units)
LC = 3-Conductor Line Cord - 120VAC
TD-120 = 15-Minute Re-transfer Time Delay (120V)
TD-277 = 15-Minute Re-transfer Time Delay (277V)
SX = Self-Diagnostic Circuit
B = Black Finish - Housing and Lighting Heads
SX = Self-Diagnostic Circuit
NBN = Nickel Cadmium Battery

(1) Unit has provisions for one meter option only.

Accessories
MJB1 = Mounting Bracket
MJS1 = Mounting Shelf (25 & 30 watt units)
MJS2 = Mounting Shelf (50 watt units)
MJS3 = Mounting Shelf (72 & 100 watt units)
MJS6 = Mounting Shelf (125 & 250 watt units)
MJPG1 = Wire Guard (6 volt models)
MJPG2 = Wire Guard (12 volt models)
MJ908W08 = Matching Remote Head-Single (6V, 12W Halogen)
MJ908W54 = Matching Remote Head-Single (12V, 12W Halogen)
MJ909W08 = Matching Remote Head-Double (6V, 12W Halogen)
MJ909W54 = Matching Remote Head-Double (12V, 12W Halogen)

Dimensions



MJ3

MJ3 series Chicago steel unit

The MJ3 Series incorporates a low profile design and is ideal for suspended ceiling applications. MJ3 Series meets City of Chicago code requirements.

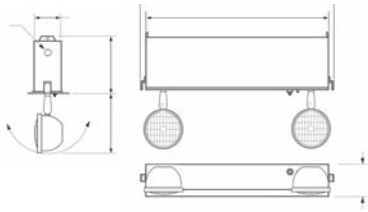
How to specify

MJ3		12	H12	W
Model series	Voltage	Battery wattage	Lamp type	Housing color
MJ3 = Chicago Troffer Unit	**1** = 6V **2** = 12V	**25L** = 25w Lead Calcium (6v) **50L** = 50w Lead Calcium (6v) **30L** = 30w Lead Calcium (12v) **50L** = 50w Lead Calcium (12v)	**H12** = Halogen 12W	**W** = Neutral Cream

Options
V = Voltmeter[1]
A = Ammeter[1]
B = Black Finish - Housing and Lighting Heads
SP = Special Paint Finish - Specify Color
A1H = Three Factory Installed Lighting Heads (50 watt units only)
A2H = Four Factory Installed Lighting Heads (50 watt units only)
SX = Self-Diagnostic Circuit
GCN = Nickel Cadmium Battery

(1) Unit has provisions for one meter option only.

Accessories
MJ908W08 = Matching 6 Volt Remote Head-Single (6V, 12W)
MJ909W08 = Matching 6 Volt Remote Head-Double (6V, 12W)



Features

Illumination: A high output incandescent sealed beam lamps provides glare free distribution. 6 volt or 12 volt, 12 watt bi-pin halogen lamps have an expected life of 100 hours.

Housing: Cabinet is constructed of heavy duty steel and finished with white powder coat paint finish. Metal lamp heads are fully adjustable and are finished to match cabinet.

Electronics: 120/277 VAC dual voltage input with surge protected solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 68°F (20°C) and 86°F (30°C). Provides 90 minutes of emergency operation. Pure lead and nickel cadmium batteries are also available.

Code compliance

UL 924, NFPA 101, NEC, OSHA and City of Chicago codes.

Warranty

Electronics: 3 years
Battery: Lamps are excluded.

MJ4

MJ4 series Chicago steel unit

The MJ4 Series incorporates a low profile design and is ideal for suspended ceiling applications. MJ4 Series meets City of Chicago code requirements.

How to specify

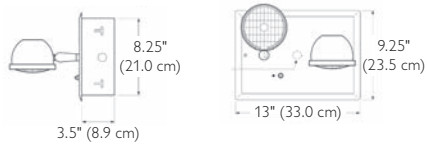
MJ4	1	24L	H12	W
Model series	Voltage	Battery wattage	Lamp type	Housing color
MJ4 = Chicago Steel Unit	**1** = 6V	**24L** = 24w Lead Calcium	**H12** = Halogen 12W	**W** = Neutral Cream

Options
V = Voltmeter[1]
A = Ammeter[1]
B = Black Finish - Housing and Lighting Heads
SP = Special Paint Finish - Specify Color
SX = Self-Diagnostic Circuit
XCN = Nickel Cadmium Battery

(1) Unit has provisions for one meter option only.

Accessories
MJPG1 = Wire Guard

Dimensions



LVL Remote

Wet location/remote fixture

The LVLR Remote fixture is a compact remote fixture designed for damp and wet locations. Impact resistant polycarbonate lens allows installation in vandal prone or high abuse areas. Remote 6 VDC or 12 VDC is required.

Features

Illumination: Provided by two high performance 5.5 watt, 6 VDC MR 16-style halogen lamps or 12 watt, 12VDC, MR16 style halogen lamps.

Housing: The high abuse housing, backplate and electronics shell are molded from high impact, GE Lexan® polycarbonate.

Installation: Wet location units may be mounted to standard 3-½" and 4" octagonal junction boxes.

Operating temperature range
Wet location: -49°F (-45°C) to 140°F (60°C)

Code compliance

UL 924 listed, UL wet location listing

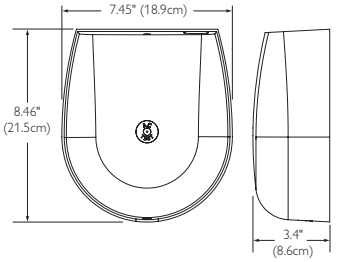
How to specify

LVL	R		
Model series	Remote	Housing color	Lamp type
LVL = LVL Series Wet Location	**R** = Remote Operation	**W** = White **B** = Black **D** = Dark Bronze	**Blank** = 6V, 5.5W, MR16 **12** = 12V, 12W, MR16

Accessories
T15TPTOOL = Tamperproof Tool

Dimensions

Front view **Side view**



Solution Remote

Remote units

The Solution R provides all of the features of the original Solution but in a remote version that is easily field connected to a remote 12V emergency unit.

Features

Illumination: Illumination is provided by two high performance 35W MR16 lamps.

Housing: 20 gauge galvanized steel backbox, flush cover and diffusers constructed of impact resistant polycarbonate.

Code compliance

U.L. 924 listed for insulated ceiling systems (IC rated).

How to specify

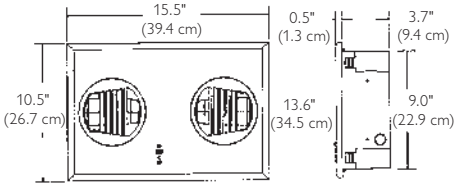
SOLR		
Model series	Housing color	Mounting
SOLR = Solution Remote	**W** = White **B** = Black	**WL** = Wall Mount **CL** = Ceiling Mount

Options
TP = Tamperproof

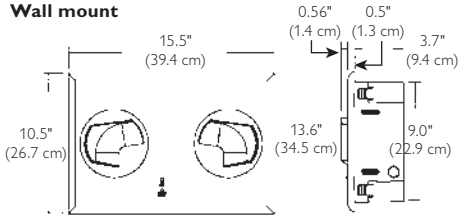
Accessories
IBHK = Bar Hanger Kit for Mechanical Ceilings
T15TPTOOL = Tamperproof Screwdriver
WMLKIT = Wall Mounted Lens Kit
CMLKIT = Ceiling Mounted Lens Kit
CMLKITB = Ceiling Mounted Lens Kit for Black Unit

Dimensions

Ceiling mount



Wall mount



Cut-out dimensions are 14 3/4" x 9 1/8"

ER

Remote units

Small and compact, the ER series remote lamp head simplifies the ordering process by including mounting plate, reflector, lamp and diffuser.

How to specify

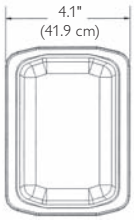
ER				
Model series	Voltage	Lamp wattage/voltage		Backplate color
ER = Thermoplastic Remote Head	**1** = 6V **2** = 12V	**6V, Tungsten T-5 Wedge Base** **T6** = 6W, 6 VDC **T7** = 7W, 6 VDC **T9** = 9W, 6 VDC **6V, Halogen T-2 1/4 Wedge Base** **H7** = 7W, 6 VDC **H10** = 10W, 6 VDC **H12** = 12W, 6 VDC **6V, Halogen MR11 Style** **MR5** = 5W, 6 VDC **MR10** = (2) 5W, 6 VDC (twin lamps)	**12V, Tungsten T-5 Wedge Base** **T9** = 9W, 12 VDC **T12** = 12W, 12 VDC **T18** = 18W, 12 VDC **12V, Halogen T-2 1/4 Wedge Base** **H12** = 12W, 12 Volt **12V, Halogen MR16 Style** **H20** = 20W, 12 VDC	**W** = White **B** = Black

Options
G = Gasketed for Outdoor Use

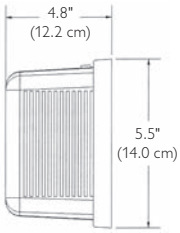
Notes
A form fitted gasket is supplied to be installed between the luminaire and junction box to protect against water entry. This product is not recommended for use in areas where high wind, or high pressure spray washdown could occur.

Dimensions

Front view



Side view



Features

Illumination: High performance specular parabolic reflector design can be adjusted 180° vertically and horizontally. The standard lamp reflector system incorporates a high intensity 5.4W, T-5 wedge base tungsten lamp. Includes a high impact polycarbonate diffuser which utilizes linear frosted sections to control sight-line glare and maximize reflector efficiency. Choice of lamp sources includes: tungsten T-5 wedge base, halogen T-2 1/4 wedge base, halogen MR16 and halogen MR11 styles.

Housing: Backplate constructed of impact resistant, UL 94 V-0, 5 VA white or black thermoplastic. Thermoplastic backplate is designed to mount securely to a single gang recessed wall or ceiling junction box. Suitable for wall or ceiling mounting.

Code compliance

Meets ADA specifications for wall mounted lighting fixtures.

Remote lamp heads

Indoor/outdoor

Philips Lightolier's remote lamp heads are constructed of impact resistant UL94 V-O thermoplastic, polycarbonate or chrome plated steel. I Series remote heads are suitable for outdoor/wet location applications.

Thermoplastic round head (R & P Series catalog numbers)

			Catalog number	
			Thermoplastic	
	Voltage	Wattage	White	Black
Tungsten	6-VOLT	5.4	**RT66W**	**RT66B**
		7.2	**RT76W**	**RT76B**
		9.0	**RT96W**	**RT96B**
	12-VOLT	9.0	**RT912W**	**RT912B**
		12.5	**RT1212W**	**RT1212B**
		17.9	**RT1812W**	**RT1812B**
Halogen	6-VOLT	7.0	**RH76W**	**RH76B**
		9.0	**RH106W**	**RH106B**
		12.0	**RH126W**	**RH126B**
	12-VOLT	12.0	**RH1212W**	**RH1212B**

Thermoplastic rectangular head (S Series catalog numbers)

			Catalog number	
			Thermoplastic	
	Voltage	Wattage	White	Black
Tungsten	6-VOLT	5.4	**S66W**	**S66B**
		7.2	**S76W**	**S76B**
		9.0	**S96W**	**S96B**
	12-VOLT	9.0	**S912W**	**S912B**
		12.5	**S1212W**	**S1212B**
		18.0	**S1812W**	**S1812B**

Metal chrome sealed beam PAR 36 (C Series catalog numbers)

			Catalog number		
			Thermoplastic		
	Voltage	Wattage	Metal chrome	White	Black
Tungsten	6-VOLT	8.0	**CT86**	**PT86W**	**PT86B**
		18.0	**CT186**	**PT186W**	**PT186B**
		25.0	**CT256**	**PT256W**	**PT256B**
		30.0	**CT306**	**PT306W**	**PT306B**
	12-VOLT	12.0	**CT1212**	**PT1212W**	**PT1212B**
		18.0	**CT1812**	**PT1812W**	**PT1812B**
		25.0	**CT2512**	**PT2512W**	**PT2512B**
		30.0	**CT3012**	**PT3012W**	**PT3012B**
	24 -VOLT	50.0	**CT5024**	--	--
Halogen	6-VOLT	6.0	**CH66**	**PH66W**	**PH66B**
		8.0	**CH86**	**PH86W**	**PH86B**
		12.0	**CH126**	**PH126W**	**PH126B**
	12-VOLT	8.0	**CH812**	**PH812W**	**PH812B**
		12.0	**CH1212**	**PH1212W**	**PH1212B**
		30.0	**CH3012**	--	--
		50.0	**CH5012**	--	--

* To order shatter-resistant lamp heads, add the suffix "S" to the selected head type

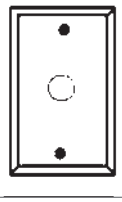
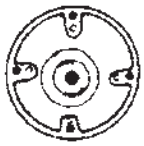
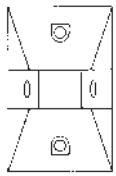
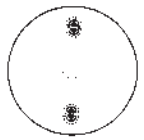
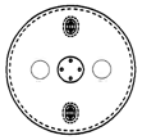
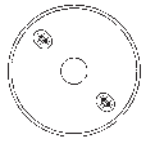
Industrial sealed beam PAR 36 (H and I Series catalog numbers)

H Series are suitable for indoor use Only
I Series are suitable for outdoor wet locations.

			Catalog number*	
	Voltage	Wattage	Class 1 DIV 2 gray	Nema rated gray
Tungsten	6-VOLT	8.0	**HT86**	**IT86**
		18.0	**HT186**	**IT186**
		25.0	**HT256**	**IT256**
		30.0	**HT306**	**IT306**
	12-VOLT	12.0	**HT1212**	**IT1212**
		18.0	**HT1812**	**IT1812**
		25.0	**HT2512**	**IT2512**
		30.0	**HT3012**	**IT3012**
Halogen	6-VOLT	6.0	**HH66**	**IH66**
		8.0	**HH86**	**IH86**
		12.0	**HH126**	**IH126**
	12-VOLT	8.0	**HH812**	**IH812**
		12.0	**HH1212**	**IH1212**
		50.0	**HH5012**	**IH5012**
		50.0	**HH5012F (flood)**	**IH5012F (flood)**

Mounting plates

For remote lamp heads

Lamp head types (Match mounting plates with lamp heads on page 8.62)	Thermoplastic round (R&P Series)	Thermoplastic rectangular (S Series)	Metal chrome (C Series)	Polycarbonate sealed beam (H&I Series)
 Chrome single head fits single gang wall box Double head fits three gang wall box	**MP1** **MP3**	**MP1** **MP3**	**MP1S** **MP3S**	**MP1** **MP3**
 Cast aluminum - weatherproof single head Fits 3" or 4" round box Double head Fits 3" or 4" round box	**CRMP1** **CRMP2**	**CRMP1** **CRMP2**	**MP1WP** **MP2WP**	**CRMP1** **CRMP2**
 Cast aluminum - weatherproof Fits single gang box Single head Double head	**CSMP1** **CSMP2**	**CSMP1** **CSMP2**	**MP1R** **MP2**	**CSMP1** **CSMP2**
 Thermoplastic 5" diameter mounts dir. To single gang wall box Single head, gray Single head, white Single head, black Weatherproof option	**MW1** **MBLK1** **WP**	**MW1** **MBLK1** **WP**		**MG1WP** **included***
 Double head, gray Double head, white Double head, black Weatherproof option	**MW2** **MBLK2** **WP**	**MW2** **MBLK2** **WP**		**MG2WP** **included*** **WP**
 Same as above with 45° mounting holes, Fits 3.5" Octagonal box Double head, gray Double head, white Weatherproof option	**MW2S** **WP**	**MW2S** **WP**		**MG2SWP** **WP**

* Mounting plates include weatherproof gasket

Remote heads

Indoor/outdoor

LLEF series remote heads are constructed of die-cast aluminum and are suitable for indoor or outdoor use.

MR16 Remote head with mounting plate (LLEF)

- Constructed of durable die cast aluminum
- Available in black or bronze
- 12 Volt, 20, 35 or 50 Watt MR16 lamps available
- Single or double mounting plates available

Accessories for use with LLEF

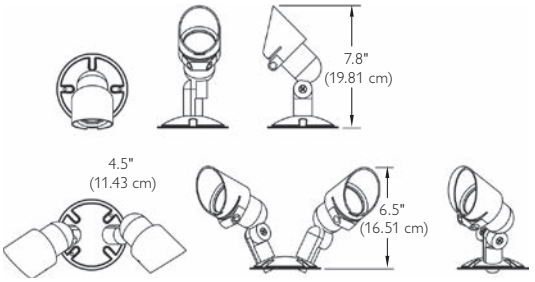
(Ordered separately)
LORBBK = Outdoor 4" Round Surface Mount Junction Box, Black
LORBBZ = Outdoor 4" Round Surface Mount Junction Box, Bronze
LOSBBK = Outdoor Single Gang, Surface/Recessed 2 3/4" x 4 1/2" Junction Box, Black
LOSBBZ = Outdoor Single Gang, Surface/Recessed 2 3/4" x 4 1/2" Junction Box, Bronze

How to specify

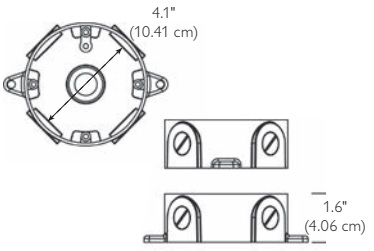
LLEF				
Model series	Number of heads	Mounting plate	Finish	Options
LLEF = Indoor/Outdoor Remote Head	**1** = Single Remote Head **2** = Double Remote Head	**R** = 4" Round **S** = Rectangular Single Gang	**BK** = Black **BZ** = Bronze	**Blank** = No Lamps Installed **20FL** = 12V, 20W, 15' Beam Spread **20WF** = 12V, 20W, 40' Beam Spread **35FL** = 12V, 35W, 25' Beam Spread **35WF** = 12V, 35W, 40' Beam Spread **50FL** = 12V, 50W, 25' Beam Spread **50WF** = 12V, 50W, 40' Beam Spread

Dimensions

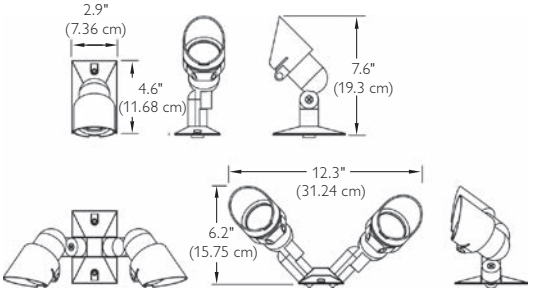
Single & double remote head with round mounting plate



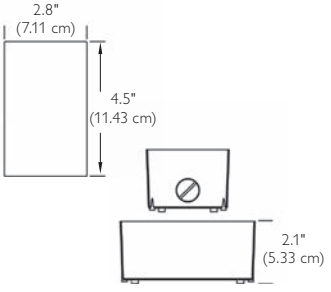
LORBBK(BZ)



Single & double remote head with rect. Mounting plate

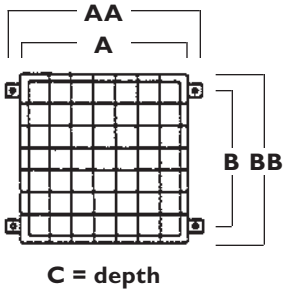


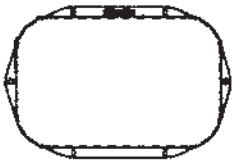
LOSBBK(BZ)



Accessories

For exits and units





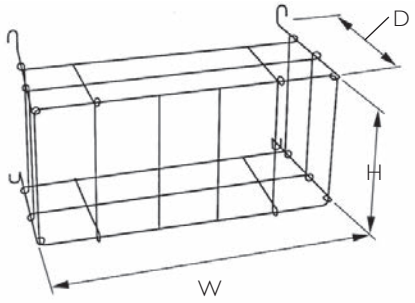
- Wire guards and the polycarbonate vandal shield provide protection from accidental or intentional abuse of emergency lighting equipment
- Ideal for high traffic areas such a schools, gymnasiums and public buildings

Model number	Compatible with wall mount models	Compatible with end mount models	A	AA	B	BB	C
WG	LX COMBO, ES (200-450W), HE (85-120W), IE2,		20.0"	26.0"	20.0"	26.0"	11.0"
WG3			10.00"	12.0"	10.0"	12.0"	5.5"
WG4	LL, LT, LD2, LDS, LDR, LR, LWL2, TE, LX, HX		12.5"	14.5"	15.0"	17.0"	5.5"
WG5	DX2, EX2, TX2, LLC, LC, LS, ES (25-150W), E6, E7, E8, WE, HE (25-75W)		16.0"	18.0"	21.0"	23.0"	10.0"
WG8	WX		12.0"	14.0"	12.0"	14.0"	13.0"
WG9	LG, LU	DX2, EX2, TX2, LG, LU	22.0"	23.5"	12.0"	14.0"	13.0"
WG10		LL, LD2, LDS, LWL2, TE, LX, WX	8.8"	n/a	n/a	15.0"	15.0"
PCS1		All Standard Exits (Except Combos), C1,	19.2"	n/a	12.1"	n/a	8.9"

Mounting shelf	Compatible with	Length	Height	Depth
MWSHELFW		13.5"	5.5"	6.0"
MLSHELFW		14.6"	5.5"	3.5"
MSSHELFW	E3 Series	14.6"	5.5"	5.3"
MXSHELFW		16.5"	7.9"	8.0"
SSMP	ES (25-50W)	13.0"	7.5"	3.8"
SMMP	ES (75-150W)	15.25"	9.0"	7.3"
SLMP	ES (200-450W)	19.0"	11.0"	9.3"

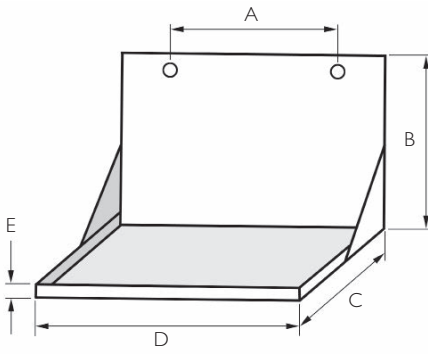
Chicago accessories

Wire guards wire guards



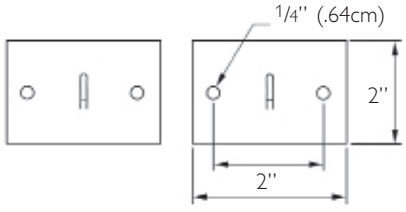
Model number.	Application	Dimensions H	W	D	Weight
MJPG1	Emergency Lighting Units MJ2(6V), MJ4	15" 38.1cm	17 3/4" 45cm	6 1/4" 15.9cm	2 lbs. (.91kg)
MJPG2	Emergency Lighting Units MJ2(12V)	21" 53.3cm	23 1/2" 59.7cm	12" 30.5cm	5 lbs. (2.3kg)
MJPG5	Emergency Lighting Units MJ1	16" 40.6cm	16" 40.6cm	9" 22.9cm	3 lbs. (1.4kg)
MJPG6	Single Remote Lighting Heads	8" 20.3cm	8" 20.3cm	8" 20.3cm	1 lbs. (.45kg)
MJPG7	Double Remote Lighting Heads	8" 20.3cm	16" 40.6cm	8" 20.3cm	2 lbs. (.91kg)
MJPG8	Emergency Lighting Units MJ7 (Wall Mount), MJ8 (Wall Mount)	13" 33cm	13" 33cm	4" 10.1cm	3 lbs. (1.4kg)
MJPG9	Exit Signs MJ5 (Wall Mount), MJ6 (Wall Mount)	14" 35.6	17" 43.2cm	4" 10.1cm	3 lbs. (1.4kg)
MJPG10	Exit Signs MJ5 (Wall Mount Combo), MJ6 (Wall Mount Combo)	16" 40.6cm	26" 66cm	7" 17.8cm	5 lbs. (2.3kg)

Mounting shelves



Model number	Application	Dimensions A	B	C	D	E	Weight
MJS1	MJ2 (25w & 30w)	5 1/4" 13.3cm	10 1/4" 26cm	4 1/2" 10.8cm	9 1/4" 23.5cm	1/2" 1.3cm	1 lb. (.45kg)
MJS2	MJ1, MJ2 (50w)	10 1/4" 26cm	10 1/4" 26cm	4 1/2" 10.8cm	12 1/4" 31.1cm	1/2" 1.3cm	2 lbs. (.91kg)
MJS3	MJ2 (72w & 100w)	8 1/4" 21cm	10 1/4" 26cm	5 1/2" 14cm	12 1/4" 31.1cm	1/2" 1.3cm	2 lbs. (.91kg)
MJS6	MJ2 (125w & 250w)	12" 30.5cm	10 1/4" 26cm	5 1/2" 14cm	19 48.3cm	1/2" 1.3cm	4 lbs. (1.8kg)

Mounting brackets

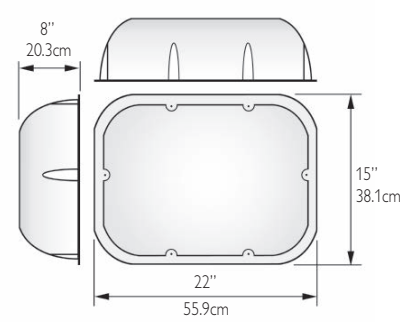


Model number	Application	Weight
MJB1*	MJ1, MJ2	1/2 lb.(.23kg)

* Provides both brackets required to mount unit.

Chicago accessories

Vandal shields



Model number	Series
MJVERS	MJ1, Remote Heads
MJVERS4X (gasketed)	MJ1, Remote Heads

Single remote lighting heads

- Bi-pin halogen 12 watt lamps
- Single gang switch box mounting
- 6 and 12 volt
- Metal construction
- White (W), Black (B), Gray (G)

Model number	Voltage	Color
MJ1H12MHB	6	Black
MJ1H12MHG	6	Gray
MJ1H12MHW	6	White
MJ2H12MHB	12	Black
MJ2H12MHG	12	Gray
MJ2H12MHW	12	White

Double remote lighting heads

- Bi-pin halogen 12 watt lamps
- Single gang switch box mounting
- 6 and 12 volt
- Metal construction
- White (W), Black (B), Gray (G)

Model number	Voltage	Color
MJD1H12MHB	6	Black
MJD1H12MHG	6	Gray
MJD1H12MHW	6	White
MJD2H12MHB	12	Black
MJD2H12MHG	12	Gray
MJD2H12MHW	12	White

SD2

Advanced self-diagnostics & self-testing electronics

Self-diagnostics provides continuous real-time monitoring of the charging system, battery and lamps. Optional self-test feature runs a self-test satisfying the periodic testing requirements as defined in NFPA 101 Life Safety Code.

Features

Standard feature: The Self-Diagnostics2 is designed around an 8-bit microprocessor to provide unmatched reliability and performance. Microprocessor controlled standard features include: 8-bit microprocessor (Iup), AC lockout mode, transformer-isolated input, AC power indicator, charge status indicator and audible user interface controls.

Charger: The on-board thermal detection feature of the Self-Diagnostics2 microprocessor allows for a precision temperature compensation algorithm equal to 3 milli-volts per degree C. Standard charger features include: 120/277 VAC, 60 Hz standard input; Iup controlled, linear, temperature compensation; reverse battery polarity detection and protection; reverse utility power detection and protection.

Transfer: Iup controlled, solid state, low-voltage battery disconnect (LVD), brownout detection circuit, Two available LED output circuits, AC line latch

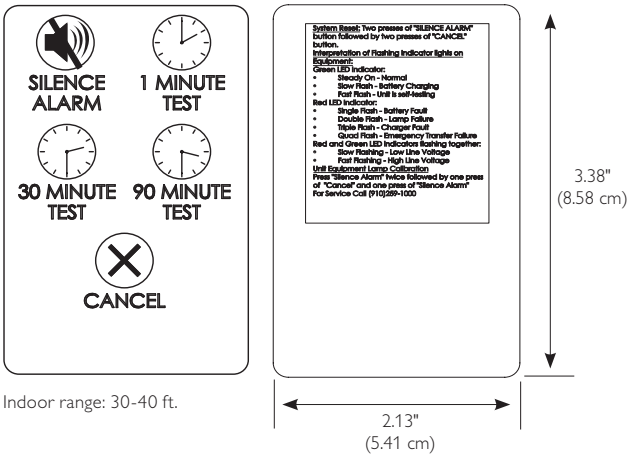
Diagnostics: The Self-Diagnostics2 diagnostics monitoring circuit is continuous and in real time. The benefits of real time monitoring allows the microprocessor to self-heal all fault conditions when remedied. In doing so, there is no need to reset the system after maintenance. Audible and non-audible versions available. Features silence alarm button on audible versions, visual LED fault display, battery failure, battery disconnect, charger failure, lamp/LED failure and transfer failure.

Self-testing* (optional): The Self-Diagnostics2 diagnostic/charging platform with optional self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

*** Note:** NFPA 101 does not allow a self-testing diagnostics board to run the required annual 90-minute test. Refer to the 2006 version of NFPA 101, section 7.9.3.1.2 (1) through (7).

Self-diagnostics electronics and self-testing diagnostics electronics in audible and non-audible versions.

Available accessory item



Indoor range: 30-40 ft.

How to specify

SDREMOTE

Model series

SDREMOTE = Infra-red remote test device

Products with SD2 electronics

EX2 Outlook	page 8.5
DX2 Outlook	page 8.4
TX2 Outlook	page 8.6
LG	page 8.7
LD2	page 8.9
LWL2	page 8.10
Surf Ceiling	page 8.28
Surf Wall	page 8.35
Harmony	page 8.34
Solution	page 8.29
Solution2	page 8.30
EN	page 8.39
ES	page 8.75
IE	page 8.73
HX	page 8.74

SD2

Advanced self-diagnostics & self-testing electronics

Self-diagnostics provides continuous real-time monitoring of the charging system, battery and lamps. Optional self-test feature runs a self-test satisfying the periodic testing requirements as defined in NFPA 101 Life Safety Code.

System operation

The Self-Diagnostics2 microprocessor has command of all critical circuit functions and operations including battery charging, emergency transfer, brownout detection, AC lockout/line latch, internal and remote load detection, temperature compensation as well as providing the outputs to signal trouble/faults.

Fault detection is always provided in a visual format with the option to have audible alarms as well. When audible diagnostics are used, the visual fault indicator (LED) and audible tone will be synchronized for clear fault identification. All faults are self healing. That is, when the lup detects a corrected fault situation, the visual and audible fault modes are cleared and the fixture returns to the normal operating mode. A silence alarm feature is also provided to provide adequate time to clear the fault without having the audible alarm active while performing maintenance. In this case, the visual indicator remains active. Should the fault not be restored after a period of one week, the audible tone returns to bring attention to repair personnel.

During prolonged periods without power (either during a power loss or shut- down due to vacancy), any alarm conditions and lamp load data are stored in the non-volatile memory. Upon restoration of power a quick self-test, as part of the system initialization, will occur and the results will be compared to the stored data.

Charger

The charger is a two-stage, constant-current charging system constantly monitored and under control from lup. The charging state is visually apparent by viewing the charge status indicator. A flashing green indicator indicates a high-charge mode while a steady green indicator indicates the battery is at full charge. Temperature compensation is always enabled by the thermal detection system on board the lup and has an effective range from -40°C to 40°C.

Charger monitor circuit

The charger monitoring circuit constantly samples and compares the voltage and current being sent to the battery, during normal AC operation, against preset limits programmed in the lup. Should the compared voltage or current remain out of limits for a period of five clock cycles, the lup will command a charger fault alarm condition.

Battery monitoring circuit

The battery voltage is continuously monitored during normal AC operation and compared to preset limits programmed in the lup. During a manually invoked or automatic self-test routine, the battery voltage is monitored for proper capacity-to-load ratios and indicates a battery fault if it is determined the unit will not meet the 90-minute required run time. This circuit also monitors the system for a "Reverse Polarity" condition on the battery connection. A reverse polarity condition will result in a lup command to shut down normal operations and indicate a battery failure, thus preventing any damage to the circuitry.

LED/Light engine monitoring

The LED/light engine voltage and current are continuously monitored and compared to preset limits stored in the lup. The resolution of the monitoring circuit exceeds the UL required 50% detection rate for LED exit signs. Should the compared voltage or current remain out of limits for a period of five clock cycles, the lup will command a lamp failure alarm condition.

Transfer circuit monitoring

The transfer circuit is monitored any time the unit is cycled into a manual or automatic test. Any noted deficiency in the transfer of the equipment to the emergency mode will display a transfer fault condition.

Over/under voltage monitoring

During system initialization, the lup will sample and verify the utility voltage against preset limits stored in the memory. If after five clock cycles the voltage does not fall within the pre-determined parameters, the unit will not complete initialization and will toggle the red (fault) and green (AC on, charge status indicator) in the following manner:

Both RED and GREEN LEDs fast toggle - AC line over-voltage

Both RED and GREEN LEDs slow toggle - AC line under-voltage

Optional self-testing* (standard on select models)

The self-testing routine, if enabled, is a function of the internal lup clock and the code generated sequence timer. Every thirty days, the program commands the lup to perform a self-test by transferring the unit to the emergency mode for a period of one minute with the exception of the sixth and twelfth month. On the sixth and twelfth month, the self-test duration is extended to 30 minutes to exercise the battery.

* Note: NFPA 101 does not allow a self-testing diagnostics board to run the required annual 90-minute test. Refer to the 2006 version of NFPA 101, section 7.9.3.1.2 (1) through (7).

The Self-Diagnostics2 circuitry is also equipped with a manual test inhibitor. While the equipment is in a high charge state due to prolonged power outage or extended on-site testing equivalent to 10 minutes discharge time, the 90-minute manual test mode shall be inhibited to allow the unit to recover properly for life safety purposes. During this time, the user may initiate a one-minute test to verify proper operation of the equipment.

Audible/non-audible diagnostics

Self-Diagnostics2 is equipped with an audible user interface confirmation standard. However, the audible diagnostics feature is a selectable option. Standard diagnostics equipment offers visual verification of the equipment readiness through the flashing sequence of the RED LED in the following manner:

Fault condition status, number of RED flashes:

1 X - Battery Fault

2 X - Lamp Failure

3 X - Charger Fault

4 X - Transfer Fault

Both RED and GREEN LED's fast toggle - AC line over-voltage

Both RED and GREEN LED's slow toggle - AC line under-voltage

Industrial/hazardous

Industrial/hazardous emergency lighting products are required for light industrial applications that may require damp or wet location listings, food processing and handling areas requiring NSF listing, or extreme environments where flammable gases, vapors or liquids may be present.

Our breadth of product offering includes listing for damp locations, wet locations, NEMA areas, NSF standard 2 "splash zone," Class I Divisions I & II, Class II Divisions I & II environments.

Contents

HE > 8.72
IE > 8.73
HX > 8.74
ES > 8.75
WE > 8.76
WX > 8.77
F > 8.78
DE > 8.79
HS > 8.80
HC > 8.81

HE

Hazardous location units

The HE Series is UL listed for use Class I, Division 2, Groups A,B,C & D and is ideal for use in locations where flammable gases, vapors or liquids may be present.

Features

Illumination: Illumination is accomplished with lamp heads mounted on the top of the unit. The Class I, Div. 2 rated lamp head is available in a variety of wattages, and is constructed of gray polycarbonate to match the HE Series housing.

Housing: Constructed of impact resistant, fiberglass reinforced polyester. Housing color is gray and includes stainless steel hardware. View-through window allows easy monitoring of AC indicator and optional voltmeter and ammeter. The HE Series is UL listed for use Class I, Division 2, Groups A,B,C & D and is ideal for use in locations where flammable gases, vapors or liquids may be present.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Choice of maintenance free, sealed lead calcium battery with 5-year life and Operating temperature range of 65°F (19°C) to 85°F (30°C), or maintenance free, sealed nickel cadmium battery with 10-year life and Operating temperature range of 20°F (-7°C) to 95°F (35°C). Provides 90 minutes of emergency operation.

Input power requirements

6 VDC 25 & 50W Lead Calcium: 0.18 A (120 VAC), 0.08 A (277 VAC)

12 VDC 25, 50, 100 & 125 W Lead Calcium: 0.40 A (120 VAC); 0.18 A (277 VAC)

6 & 12 VDC 25 W Nickel Cadmium: 0.088 A (120 VAC); 0.042 A (277 VAC)

6 VDC 50 & 75 W Nickel Cadmium: 0.19 A (120 VAC); 0.084 A (277 VAC)

12 VDC 75 & 100 W Nickel Cadmium: 0.29 A (120 VAC); 0.14 A (277 VAC)

12 VDC 125 & 150 W Nickel Cadmium: 0.39 A (120 VAC); 0.18 A (277 VAC)

How to specify

HE						
Model series	Voltage	Battery/ DC Wattage		Number of heads	Lamp heads	
HE = Class I & II Division [2] Emergency Lighting [3]	**1** = 6V **2** = 12V	**6V, Lead calcium** **25L** = 25W Unit[2] **50L** = 50W Unit[2]	**6V, Nickel cadmium** **25N** = 25W Unit[2] **50N** = 50W Unit[2] **75N** = 75W Unit[4]	**Blank** = No Heads **1** = One **2** = Two **3** = Three	**6V, Tungsten** **HT8** = 8W **HT18** = 18W **HT25** = 25W	**12V, Tungsten** **HT12** = 12W **HT18** = 18W **HT25** = 25W
		12V, Lead calcium **25L** = 25W Unit **50L** = 50W Unit **100L** = 100W Unit **150L** = 150W Unit	**12V, Nickel cadmium** **25N** = 25W Unit **50N** = 50W Unit **75N** = 75W Unit **100N** = 100W Unit **125N** = 125W Unit **150N** = 150W Unit		**6V, Halogen** **HH8** = 8W **HH12** = 12W	**12V, Halogen** **HH8** = 8W **HH12** = 12W

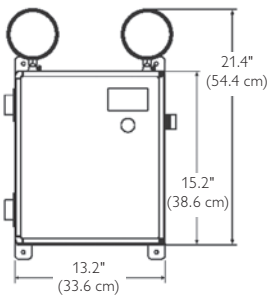
Accessories
WG = Wire Guard for 85W to 120W units
SDREMOTE = Infrared remote test device

Notes
1) Some options may impact UL listing.

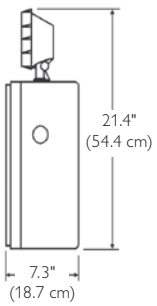
Multiple option configurations may void UL listing. Consult factory for specifics.

Dimensions

Front view



Side view



Code compliance

UL 924 and 844 listed. Suitable for use in Class I Division 2, Groups A, B, C & D; Class I, Zone 2, Groups IIA, IIB (+H2) & IIC; and Class II, Division 2, Groups F & G. Temperature rating (T-rating) 160 (T3C), Class I, Zone 2 T-rating 200 (T3). NFPA 101, NEC, BOCA, OSHA and IBC illumination standards.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata (lead calcium); 5 year full, 5 years pro-rata (nickel cadmium)

IE

IE2 series hostile environment

The IE2 Series is ideal for locations where oil, water and dust resistant equipment are required. IE Series is NSF standard 2 "Splash Zone" listed food processing and handling areas. Wet and damp location listings are standard.

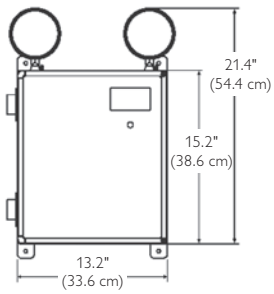
How to specify

IE						SD2	
Series	Voltage	Battery/ DC Voltage		Number of heads	Lamp heads	Model designator	Factory installed options
IE = NEMA rated Emergency Lighting unit	**1** = 6VDC **2** = 12VDC	**6VDC Lead calcium** **25L** = 25-Watt Unit **50L** = 50-Watt Unit **75L** = 75-Watt Unit	**12VDC Lead calcium** **50L** = 50-Watt Unit **75L** = 75-Watt Unit **100L** = 100-Watt Unit **125L** = 125-Watt Unit **150L** = 150-Watt Unit	**Blank** = No Lamp Heads Installed **1** = One Lamp Head Installed **2** = Two Lamp Heads Installed **3** = Three Lamp Heads Installed	**6VDC Tungsten** **IT8** = 8W **IT18** = 18W **IT25** = 25W **IT30** = 30W **6VDC Halogen** **IH6** = 6W **IH8** = 8W **IH12** = 12W	**SD2** = Diagnostic Electronics	**A** = Ammeter **BD** = Battery Disconnect Switch **F1** =120VAC Input Fuse **F2** = 277VAC Input Fuse **P1** = 120VAC Power Switch **P2** = 277VAC Power Switch **T** = Self-Testing Diagnostics **TA** = Audible Self-Testing Diagnostics **TD** = Time Delay, 15-Minutes **V** = Voltmeter
		6VDC Nickel cadmium **25N** = 25-Watt Unit **50N** = 50-Watt Unit **75N** = 75-Watt Unit	**12VDC Nickel cadmium** **25N** = 25-Watt Unit **50N** = 50-Watt Unit **75N** = 75-Watt Unit **100N** = 100-Watt Unit **125N** = 125-Watt Unit **150N** = 150-Watt Unit		**12VDC Tungsten** **IT12** = 12W **IT18** = 18W **IT25** = 25W **IT30** = 30W **12VDC Halogen** **IH8** = 8W **IH12** = 12W **IH50** = 50W		

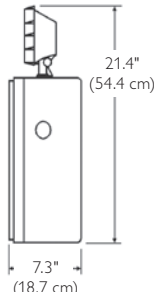
Accessories
SDREMOTE = Infrared Remote Test Device
WG = Wire Guard

Dimensions

Front view



Side view



Features

Illumination: Illumination is accomplished with NEMA rated polycarbonate heads with choice of either sealed beam PAR36 tungsten or halogen lamp heads with wattages up to 50 watts.

Housing: Gray fiberglass reinforced polyester and includes stainless steel hardware. A wide range of battery wattages, lamp head wattages and battery options are available.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 32°F (0°C) and 104°F (40°C). Provides 90 minutes of emergency operation.

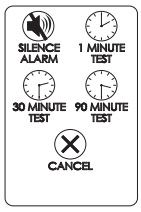
Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years and an operating temperature between 32°F (0°C) and 104°F (40°C). Provides 90 minutes of emergency operation.

Code compliance

UL 924, UL Wet and Damp Location listed 32°F (0°C) to 104°F (40°C), NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards. NSF Standard 2 "Splash Zone".

Warranty

Electronics: 3 years; Battery (lead): 1 years full, 4 years pro-rata; Battery (ni-cad): 5 years full, 5 years pro-rata.



Infrared remote testing compatible with SDREMOTE hand-held remote test device

HX

HX series hazardous environment

The HX Series exit and combination emergency unit is suitable for Class I & II, Division 2 hazardous locations.

Features

Illumination: Illumination of exit is provided by high output LEDs. Choice of lamp heads offer sealed beam PAR36 tungsten or halogen lamp heads with wattages up to 25 watts.

Housing: Gray fiberglass reinforced polyester and includes stainless steel hardware. A wide range of battery wattages, lamp head wattages and battery options are available.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

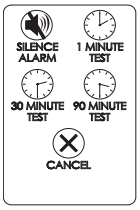
Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years and an operating temperature between 65°F (19°C) and 85°F (30°C). Provides 90 minutes of emergency operation.

Code compliance

UL 924 and 844 listed, Class I, Division 2, Groups A, B,C & D; Class I, Zone 2, Groups IIa, IIb (+h2) & IIC; and Class II, Division 2, Groups F & G. NFPA 101, NEC, BOCA, OSHA and IBC illumination standards. Temperature Rating (T-Rating) 160° (T3C), Class I, Zone 2 T-Rating 200° (T3), IEC 61951-1 Life Testing (Batteries).

Warranty

Electronics: 5 years; Battery: 1 years full, 4 years pro-rata.



Infrared remote testing compatible with SDREMOTE hand-held remote test device

How to specify AC Only & Emergency Operation Exit (single face only)

HX			
Model series	Battery	Letter color	Factory installed options
HX = Hazardous Location Exit	**N** = Nickel Cadmium **A** = AC Only	**R** = Red **G** = Green	**BF** = Buzzer/flasher (self-powered models only) **BZ** = Buzzer (self-powered models only) **EX** = Special input transformer (specify voltage & frequency)[1] **FA** = Fire alarm activated flasher **FL** = Flasher (self-powered models only) **T** = Self-testing diagnostics (non-audible / self-powered models only) **TA** = Self-testing diagnostics (audible / self-powered models only)

How to specify Two Head Combo (single face only)

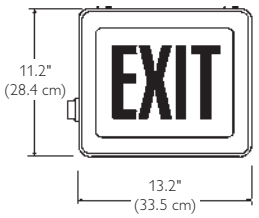
HX						SD2	
Model series	Voltage	Battery/ wattage	Letter color	Number of heads	Lamp heads	Model designator	Factory installed options
HX = Hazardous Location Combination Unit	**6** = 6 VDC	**Lead calcium** **18L** = 18-Watt Unit **36L** = 36-Watt Unit **72L** = 72-Watt Unit	**R** = Red **G** = Green	**Blank** = No Lamp Heads Installed **1** = One Lamp Head Installed **2** = Two Lamp Heads Installed	**Halogen** **HH6** = 6W **Tungsten** **HT8** = 8W **HT25** = 25W	**SD2** = Diagnostic Electronics	**BF** = Buzzer/Flasher **BZ** = Buzzer **EX** = Special Input Transformer (specify voltage & frequency)[1] **FA** = Fire alarm activated flasher **FL** = Flasher (Self-powered models only) **S** = Shatterproof Lamp Head Lens **T** = Self-Testing Diagnostics **TA** = Self-Testing Diagnostics **TD** = 15 Minute Time Delay

Accessories
SDREMOTE = Infrared Remote Test Device
WG5 = Wire Guard

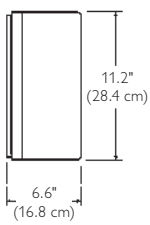
Note
1) Certain option combination may impact UL listing, consult factory for details.

Dimensions

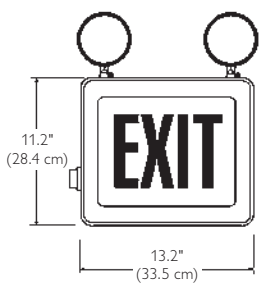
Front view Exit



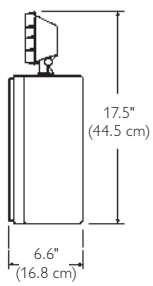
Side view Exit



Front view Combo



Side view Combo



ES

ES series steel unit

The ES Series is ideal for light industrial applications and is available with up to three lamp heads mounted on top of enclosure. Optional strapping kits and mounting plates enable mounting to columns, poles or I-beams.

How to specify

ES						
Series/ battery	Voltage	Battery wattage	Number of heads	Lamp heads	Standard Feature	Factory installed options
ES = Steel EM Unit	**2** = 12v **3** = 24v	**12v Lead calcium** **25L** = 25 Watts **50L** = 50 Watts **75L** = 75 Watts **100L** = 100 Watts **125L** = 125 Watts **150L** = 150 Watts **200L** = 200 Watts **250L** = 250 Watts **300L** = 300 Watts **450L** = 450 Watts **12v Nickel cadmium** **25N** = 25 Watts **50N** = 50 Watts **75N** = 75 Watts **100N** = 100 Watts **125N** = 125 Watts **150N** = 150 Watts **24v Lead calcium** **100L** = 100 Watts **300L** = 300 Watts **450L** = 450 Watts	**Blank** = No Lamp Heads **1** = One Lamp Head **2** = Two Lamp Heads **3** = Three Lamp Heads	**12VDC Tungsten** **CT12** = 12-Watt **CT18** = 18-Watt **CT25** = 25-Watt **CT30** = 30-Watt **12VDC Halogen** **CH12** = 12-Watt **CH30** = 30-Watt **CH50** = 50-Watt **MR16 Lamps** **12VDC Halogen** **M20** = 20-watt, 40° **M35** = 35-watt, 25° **M35F** = 35-watt, 40° Flood **M50** = 50-watt, 25° **M50F** = 50-watt, 40° Flood **24VDC Halogen** **M450** = 50-watt, 40° MR16 **HP** = 50-watt PAR36	**SD2** = Self-Diagnostics	**A** = Ammeter **BD** = Battery Disconnect Switch **BM** = Lamp heads installed on bottom of enclosure **DL** = Damp location listed (0° C to 40° C) **F1** =120VAC Input Fuse **F2** = 277VAC Input Fuse **P1** = 120VAC Power Switch **P2** = 277VAC Power Switch **SM1** = Lamp heads installed on the side of the enclosure[1] **T** = Self-Testing Diagnostics **TA** = Audible Self-Testing Diagnostics **TD** = Time Delay, 15-Minutes **V** = Voltmeter

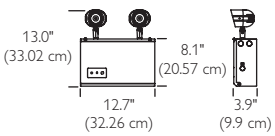
1 Side Mounted lamp heads option (SM) are not installed onto the enclosure at the factory

Accessories

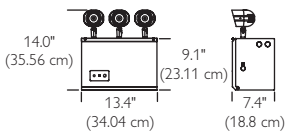
SDREMOTE = Infrared remote test device
SSMP = White Mounting Shelf for 25-50w units
SMMP = White Mounting Shelf for 75-150w units
SLMP = White Mounting Shelf for 200-450w units
SKIT = Strapping Kit for column/pole/i-beam mounting
WG5 = Wire Guard for 25-150w units
WG = Wire Guard for 200-450w units
10013 = Line cord for field installation (6' 18/3, 120VAC)

Dimensions

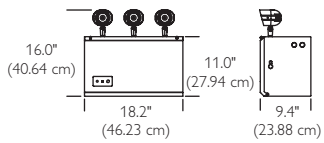
25-50 Watt

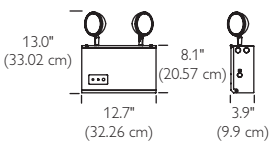


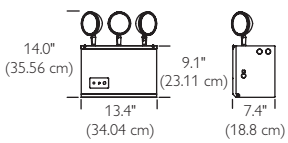
75-150 Watt



200-450 Watt







CT & CH Heads are chrome finish.
M & HP Heads are painted white.
See page 8.62 for alternate lamp heads.

Features

Illumination: Illumination is accomplished with fully adjustable metal lamps utilizing MR16, sealed beam PAR36 tungsten or halogen lamps.

Housing: Cabinet is constructed of heavy duty steel and finished standard with white powder coat paint finish. Nine optional powder coat paint finishes are available. A wide range of battery wattages and lamp head wattages are available.

Self-diagnostic: Standard on Self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault. See pages 8.68-8.69 for full specification of Self-Diagnostic features.

Self-testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE). See pages 8.68-8.69 for full specification of Self-Testing features.

Electronics: 120/277 VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

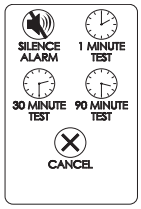
Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years or choice of maintenance free, sealed nickel cadmium battery with an estimated service life of 10 years. Batteries have an operating temperature between 65°F (18°C) and 85°F (29°C). Provides 90 minutes of emergency operation.

Code compliance

UL 924; UL Damp Location (32°F (0°C) and 104°F (40°C), NFPA 101, NEC, IBC, BOCA and OSHA. New York City Approved; City of Chicago Approved (units with 12 watt and higher heads).

Warranty

Electronics: 3 years; Battery (lead): 1 years full, 4 years pro-rata; Battery (ni-cad): 5 years full, 5 years pro-rata.



Infrared remote testing compatible with SDREMOTE hand-held remote test device

WE

Wet location units

The WE Series is approved for NSF standard 2 "Splash Zone" listed food processing and handling areas. Optional listing allows WE Series to be used in wet and damp locations.

Features

Illumination: Illumination is accomplished with two lamp heads externally mounted. Choose from 6 or 12V NEMA-Rated lamp heads.

Housing: Constructed of impact resistant, fiberglass reinforced polyester. Housing color is gray. One-piece, molded gasket and unexposed metallic hardware prolong product life in highly corrosive areas.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Choice of maintenance free, sealed lead calcium battery with 5-year life and Operating temperature range of 65°F (19°C) to 85°F (30°C), or maintenance free, sealed nickel cadmium battery with 10-year life and Operating temperature range of 20°F (-7°C) to 95°F (35°C). Provides 90 minutes of emergency operation.

Input power requirements

120 VAC - 0.15 amps, 18W
277 VAC - 0.07 amps, 18W

Code compliance

UL 924, NFPA101, NEC, BOCA, OSHA and IBC illumination standards, NSF standard 2 "Splash Zone". UL Wet and Damp Location listings are optional with 50°F (10°C) to 104°F (40°C) temperature listing.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata (lead calcium); 5 year full, 5 years pro-rata (nickel cadmium)

How to specify

WE					
Model series	Voltage	Battery/ DC Wattage		Number of heads	Lamp heads
WE = NEMA-Rated, Wet Location Listed Emergency Lighting Unit	**1** = 6V **2** = 12V	**6V** **18L** = 18W **25L** = 25W **36L** = 36W **50L** = 50W	**12V, Lead calcium** **36L** = 36W **50L** = 50W	**2** = Two **1** = One	**6V** **IT8** = 8W **IT18** = 18W **IT25** = 25W
		6V, Nickel cadmium **14N** = 14W **18N** = 18W **25N** = 25W **50N** = 50W	**12V, Nickel cadmium** **50N** = 50W		**12V** **IT12** = 12W **IT18** = 18W **IT25** = 25W

Options
TP = Tamperproof [2]
T1 = 120 VAC Time Delay (15 minute)
T2 = 277 VAC Time Delay (15 minute)
ST = Special Input Transformer (specify voltage & frequency)
IH = Internal Heads (25W Max)
W = UL Wet Location Listed (50°F to 104°F)
Z = UL Damp Location Listed (50°F to 104°F)

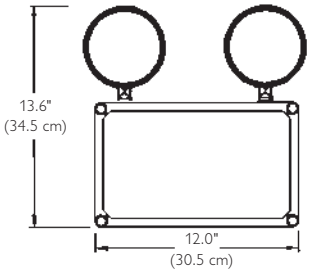
Multiple option configurations may void UL listing. Consult factory for specifics.

Accessories
NTPTOOL = Tamperproof Screwdriver
EMF = External Mounting Feet
PCS1 = Polycarbonate Vandal Shield
WG5 = Wire Guard

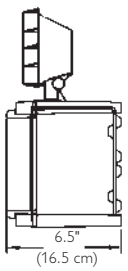
Notes
1) Suggested lamp heads are listed. For other heads, see page 8.62.
2) Includes tamper proof screws and bit for installation.

Dimensions

Front view



Side view



WX

Wet location exit/combo

The WX Series is approved for NSF standard 2 "Splash Zone" listed food processing and handling areas. Optional listing allows WX Series to be used in wet and damp locations.

How to specify

WX		
Model series	Power equipment	Single face/ letter color
WX = NEMA-Rated, Location Exit 1	**2H** = Two Head Combination, Lead calcium [1]	**R** = Red LEDs **G** = Green LEDs

Options
F = 24 VDC Fire Alarm Interface
FL = Fire Alarm Flasher
TP = Tamperproof [2]
2CKT1 = 120 VAC Two Circuit
2CKT2 = 277 VAC Two Circuit
ST = Special Input Transformer (Specify voltage & frequency)
W = UL Wet Location Listed (-22°F to 104°F)
Z = UL Damp Location Listed (-22°F to 104°F)

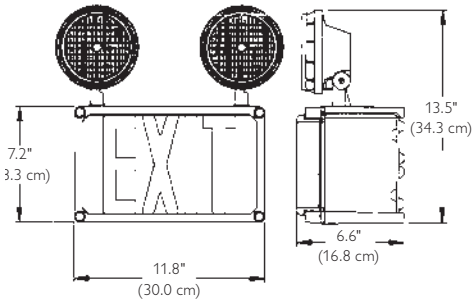
Multiple option configurations may void UL listing. Consult factory for specifics.

Accessories
EMF = External Mounting Feet
NTPTOOL = Tamperproof Screwdriver
WG8 = Top & Back Mount Wire Guard
WG10 = Side Mount Wire Guard

Notes
1) Combo unit provided with 21W total capacity for heads. Unit is shipped with two 6V, 6W heads standard, leaving 9W additional capacity.
2) Includes tamper proof screws and bit for installation.

Dimensions

Front view **Side view**



Single face and two head version

Features

Illumination: Illumination of the WX Series Exit is accomplished with direct view LEDs to provide illumination in excess of UL 924 requirements and enhance visibility which improves the safety benefits in industrial environments. The two head combo exit features fully adjustable 6V, 6W Par 36 halogen sealed beam lamp heads that are enclosed in watertight polycarbonate housings.

Housing: Watertight enclosure is constructed of fiberglass reinforced polyester with a polycarbonate lens cover that provides excellent resistance to impact. Available in single face only.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery with 5-year life and Operating temperature range of 65°F (19°C) to 85°F (30°C) - two head combo only. Provides 90 minutes of emergency operation.

Input power requirements

Exit/Two Head Combination
.161A (120VAC)
.07A (277VAC)

Code compliance

UL 924, NFPA101, NEC, BOCA, OSHA and IBC illumination standards, NSF standard 2 "Splash Zone". UL Wet and Damp Location listings are optional with 50°F (10°C) to 104°F (40°C) temperature listing.

Warranty

Electronics: 3 years
Battery: 1 year full, 4 years pro-rata (lead calcium); 5 year full, 5 years pro-rata (nickel cadmium)

Optional UL Wet and Damp Location Listing for -22°F to 104°F.

FW

FC

FP

FP w/ EFK

Features

Illumination: Illumination is accomplished with halogen, incandescent or compact fluorescent lamps protected with a heat resistant globe.

Housing: Copper-free cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere. Enclosure has a corrosion resistant, epoxy powder coat finish. Includes high impact, heat resistant globe with a cast aluminum globe guard.

Electronics: 120/277 VAC dual voltage input on incandescent versions. Must specify 120 VAC or 277 VAC on compact fluorescent versions.

Code compliance

UL listed to 924, 844. Suitable for use in Class 1, Div 1, Groups C & D, Zones 0, 1 & 2, Groups IIA, IIB + H2 & IIC; Class 1, Div 2, Groups C & D, Zones 2, Groups IIA, IIB + H2 & IIC; Class II, Div. 1, Groups E, F & G; Class II, Div. 2, Groups F & G; and Class III hazardous location areas. NEMA 3, 4 & 4x.

Temperature performance rating T6 (maximum ambient temperature 160°C).

F

Hazardous location fixtures

The F Series Hazardous Fixtures, when used with the HC Series power pack, are ideal for use in hazardous locations where explosive materials may be present.

How to specify

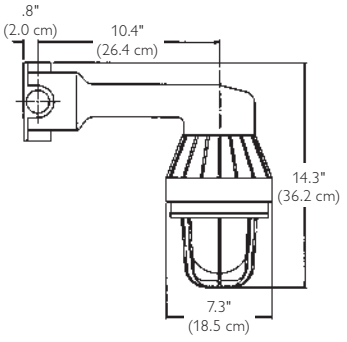
F			
Model series	Mounting configuration	Input voltage (AC Only)	Lamp wattage
F = Hazardous Location Emergency Lighting Fixtures for use with HC Series (Battery source not included)	**W** = Wall **P** = Pendant **C** = Ceiling	**Incandescent** **Blank** = 120V **Compact fluorescent** **120** = 120 VAC **277** = 277 VAC	**AC Only** **HF** = 150W A19 Incandescent [1] **P3** = 13W Compact Fluorescent [1] **P26** = (2) 13W Compact Fluorescent [1] **Emergency only incandescent** [3] **HF7** = 6V, 7W Halogen **HF10** = 6V, 10W Halogen **HF12** = 6V, 12W Halogen **THF12** = 12V, 12W Halogen **AC/Emergency operation** **HFP7** = 7W Compact Fluorescent [1,2]

Accessories
EFK = Exit accessory kit (red letters only)
SDR = Straight dome reflector
AR = Angles reflector
OB3 = 3-way explosion proof 3/4" conduit hub
SEA = Swivel elbow arm for use with pendant mount fixture to connect OB3 or HC unit.

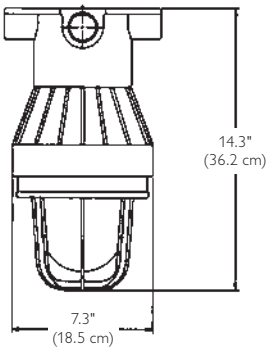
Notes
1) Lamps not provided.
2) Only operates with HC14N power pack in AC and emergency modes. The maximum remote mounting distance from the HC14N is 8 feet.
3) Lamp provided.

Dimensions

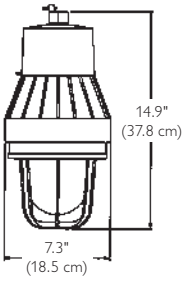
FW



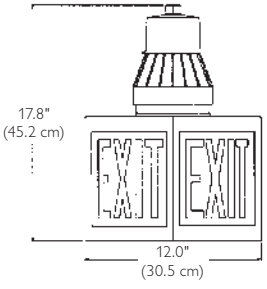
FC



FP



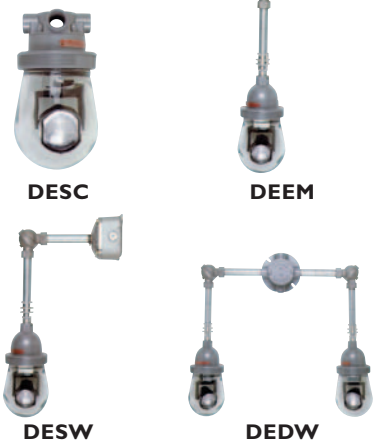
FP with EFK exit accessory



DE

Remote hazardous location fixtures

The DE Series remote fixtures when used with HC Series power pack are ideal for use in hazardous locations where explosive materials may be present.



How to specify

DE		
Model series	Fixture type	Voltage
DE = Combustible Dust Emergency Lighting Fixture	**SC** = Ceiling Mount **EM** = Emergency Unit **SW** = Single Wall Remote **DW** = Double Wall Remote	**1** = 6 VDC, 12W [2] **2** = 12 VDC, 12W [2] **3** = 120 VAC [1]

Options (add to end of catalog number)
WGG = Wire Guard for Globe Only

Notes
1) 120 VAC incandescent lamps are not included. Maximum wattage is 200W.
2) Emergency heads utilize a 12W halogen lamp, included.

Features

Illumination: Illumination is accomplished with halogen or incandescent lamps that are adjustable to 360°.

Housing: Constructed of corrosion-resistant, cast aluminum alloy with an epoxy polyester finish. Ceiling mount fixture and single wall remote have universal junction box with four tapped holes for 3/4" rigid conduit (three close-up plugs included.) Double wall remote has junction box with two tapped holes for 3/4" rigid conduit (one close-up plug provided.) DEEM1 (2) fixture is designed for direct mounting to the HC50N battery unit (HC50N unit not included.)

Electronics: 120/277 VAC dual voltage input.

Input power requirements:
120 VAC - 0.58 amps, 65W max.
277 VAC - 0.27 amps, 68W max.

Code compliance

Designed to UL 924, 844. Suitable for use in Class I, Division 1, Groups C & D, Zone 0,1 &2, Groups IIA, IIB + H2 and IIC; Class I, Division 2, Groups C&D, Groups IIA, IIB + H2 and IIC; Class II, Division 1, Groups E, F&G; Class II, Division 2, Groups F&G; Class III hazardous location areas.

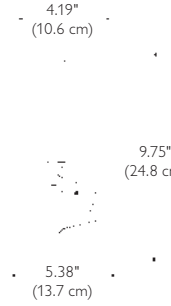
NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards.

Warranty

Electronics: 3 years

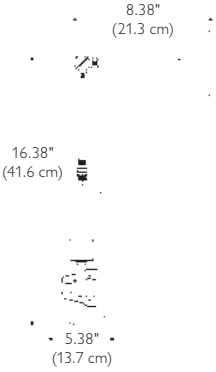
Dimensions

DESC

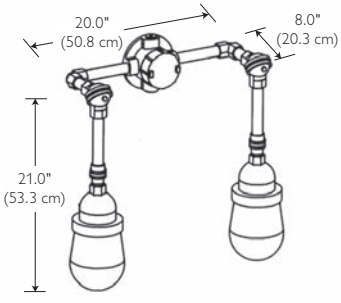


DEEM

DESW



DEDW



HS

Hazardous location fixtures

The HS Series self-contained emergency lighting unit is ideal for use in hazardous locations where explosive materials may be present.

Features

Illumination: Illumination is accomplished with three 12V, 20W MR16 lamps. Each high intensity lamp can be independently adjusted to provide custom emergency lighting to a specific area.

Housing: Copper-free cast aluminum enclosure with a corrosion resistant, epoxy powder coat finish. Includes high impact, heat resistant globe with a cast aluminum globe guard.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and remote hazardous location test switch.

Battery: Includes four maintenance free lead calcium batteries to provide 12 VDC output of 60 watts for 90 minutes.

Input power requirements

120 VAC - 60 watts
277 VAC - 60 watts

Code compliance

UL listed to 924 and 844 standards. Suitable for use in Class I, Division 1, Groups C & D, Zone 0,1 &2, Groups IIA, IIB + H2 and IIC; Class I, Division 2, Groups C&D, Zone 2, Groups IIA, IIB + H2 and IIC; Class II, Division 1, Groups E, F&G; Class II, Division 2, Groups F&G; Class III hazardous location areas. NEMA rated 7CD and 9EFG areas. NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards.

Warranty

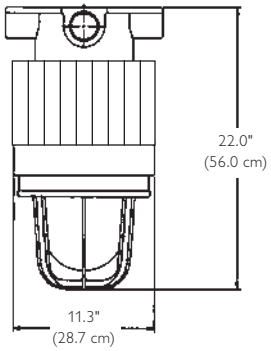
Electronics 3 years; Battery 1 year full, 4 years pro-rata.

How to specify

HS		
Model series	Mounting configuration	Lamp wattage
HS = Self-Contained Hazardous Location Fixtures for use with Emergency Lighting Unit	**W** = Wall **P** = Pendant **C** = Ceiling	**THF6012** = (3) 12V, 20W Halogen

Accessories
EFK2 = Exit Accessory Kit (red letter only)

Dimensions



EX

Explosion-proof edge-lit led exit sign

Features

Illumination: The HL Series requires two 60W 60T10 clear incandescent lamps wired in parallel (lamps not included.) Includes 6" red lettering on white acrylic panel.

Housing: Copper-free cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere. Pendant mount fixture has 3/4" top hub.

Electronics: 120 VAC input.

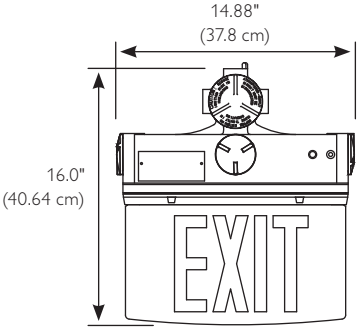
Code compliance

UL listed for use in Class I, Division I, Groups C & D, and Class II, Division 1, Groups E, F & G, and Class III areas.

How to specify

EX				
Model series	Mode of operation	No. Of faces	Legend color	Mounting configuration
EX = Class I, Div. 1 LED Exit Sign	**A** = AC Only **N** = Self-Powered	**1** = Single Face **2** = Double Face	**R** = Red **G** = Green	**WPM** = Wall/ Pendant Mount **EMB** = End-Mount Bracket

Dimensions



HC

Hazardous location units

The HC Series emergency module is used to power F Series and DE Series remote heads in environments where explosive materials may be present.

How to specify

HC	
Model series	Voltage/ battery
HC = Hazardous Location Emergency	**6 Volt, nickel cadmium** **14N** = 14 Watt Power Pack, Compact Fluorescent Lamp Operation, AC & Emergency Operation 1 **28N** = 28 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only **6 Volt, pure lead** **85P** = 85 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only **12 Volt, nickel cadmium** **50N** = 50 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only

Options
T1 = 120 VAC Time Delay (15 minute)
T2 = 277 VAC Time Delay (15 minute)
DC = DC Power Switch
ST = Special Input Transformer (Specify voltage & frequency)
KL = Key Lock

Suitable for Export

Accessories
OB3 = 3-way explosion proof 3/4" conduit hub
SEA = Swivel elbow arm for use with pendant mount fixture to connect to OB3 or HC unit
EVLA12 = 12 Volt, 12 Watt Halogen Directional Head (see photo and dimensions below at left)

Notes
1) Compatible only with F Series Fixtures using 7 watt compact fluorescent lamps. Will not operate incandescent lamps. Maximum remote mounting distance from the HC14N is 8 feet.

Features

Illumination: Illumination is accomplished with F Series Fixtures.

Housing: Copper-free cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere.

Electronics: 120/277 VAC dual voltage input with surge-protected, solid-state circuitry. HC85P uses a temperature compensating charger. Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years, and an Operating temperature range of 20°F (-7°C) to 95°F (35°C). HC85P uses a pure lead battery. Provides 90 minutes of emergency operation.

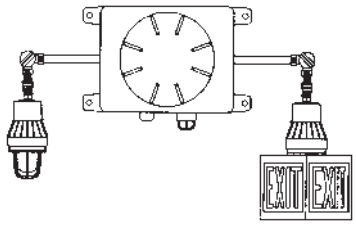
Input power requirements:
120 VAC - 0.50 amps, 60W

Code compliance

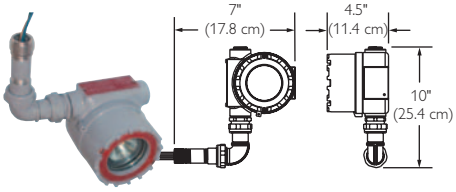
UL 924, 844, 1203 and 1604 listed; NFPA 70 and NFPA 101; NEC and OSHA standards Suitable for use in Class I, Division 1, Groups C & D, Zone 0,1 &2, Groups IIA, IIB + H2 and IIC; Class II, Division 1, Groups E,F & G; Class II, Division 2, Groups F&G; Class III hazardous location areas.

Sample application

The sample application below consists of:
(1) **HC14N** - 14 watt power pack for exclusive use with compact fluorescent fixtures
(2) **SEA** - Elbow arms
(1) **FPHFP7** - 7 watt compact fluorescent lamp fixture (operates in AC and emergency mode)
(1) **FPHFP7EFK** - 7 watt compact fluorescent lamp fixture with exit accessory (operates in AC and emergency mode)

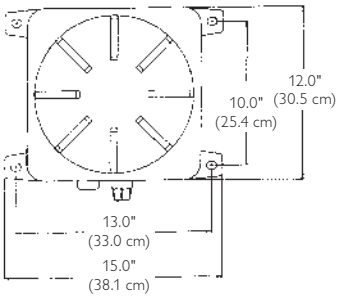


EVLA12

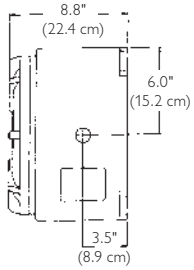


Dimensions

Front view



Side view



Includes clearance holes for mounting with ½" bolts

AC emergency lighting systems

AC systems are battery operated emergency power equipment that house all batteries and control equipment in a central location to provide emergency back-up power to all critical Life Safety equipment.

Philips Lightolier's AC system offering includes a full range of relay transfer devices, low wattage mini-inverters, single and three phase uninterruptible power supplies (UPS) for the most demanding applications. At the loss of AC power, these systems will operate LED, fluorescent, incandescent and HID lamps. Practical applications include healthcare, industrial, office, retail, education and outdoor lighting for applications requiring egress lighting to the "public way."

Philips Lightolier's AC lighting systems products eliminate the need for individual emergency ballasts reducing time spent for installation and required monthly testing as well as future replacement costs of individual emergency ballasts.

Contents

LL2 > 8.84
MEPEM > 8.85
LOT > 8.86
LMI > 8.88
LUPS > 8.90
LM > 8.91
LPTC > 8.92
LTC > 8.93
NFPA Code > 8.94

LL2

Uninterruptible power supplies

Operates incandescent, electronic ballast loads and HID lighting loads as well as critical loads requiring conditioned emergency power.

Features

Overall characteristics

- Double conversion UPS -no interruption
- Operating temperature range of 32°F (0°C) to 104°F (40°C); 65°F (19°C) to 85°F (29°C) maximum for batteries
- Standard 90 minutes of operating time
- Internal, make before break maintenance by-pass
- Output frequency 60 Hz ±0.2%
- Sine wave output

Housing

- Free standing, NEMA 1 enclosure with locking doors
- Acid resistant powder coat finish
- AC input and output voltage indicators
- AC input breaker
- AC output breaker
- Battery disconnect device

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 10 years, and Operating temperature range of 65°F (19°C) to 85°F (30°C)*.

* Increases or decreases in temperature will affect battery performance. Optimum battery performance realized at 77°F (25°C). Batteries are rated at 100% capacity at 77°F (25°C).

Code compliance

- UL 924
- UL 924 Auxiliary Equipment

Warranty

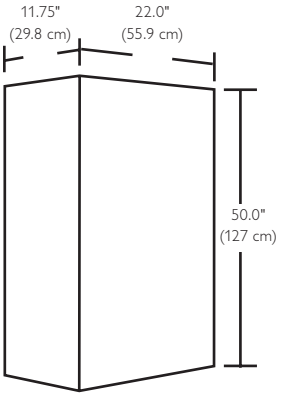
Electronics: 1 year
Battery: 1 year full, 9 years pro-rata

How to specify

LL2							
Model series	Voltage config. input/output	Unit size	Battery time	NOL	Qty ckt breakers	Qty NOL Ckt Breakers	Factory installed options
LL2 = LL2 Uninterruptible Power Supply for Emergency Lighting Applications	**AA** = 120/120 **JJ** = 277/277 **JA** = 277/120	**600** = 600VA **1.0** = 1.0kVA **1.5** = 1.5kVA **2.0** = 2.0kVA	**S** = 90 min **X** = 10 min **Y** = 20 min	**0** = No **1** = Yes w/TDT	**01X** = 1 OCB* **02X** = 2 OCB **03X** = 3 OCB **04X** = 4 OCB • • • **12X** = 12 OCB **01A** = 1 OCBA **02A** = 2 OCBA • • **06A** = 6 OCBA (Max. 12 pole spaces)	**A** = 1 **B** = 2 **C** = 3 **D** = 4 **E** = 5 **F** = 6 **G** = 7 **H** = 8 **I** = 9 **J** = 10 **K** = 11 **L** = 12 **Z** = None	**FSU** = Factory Start-up Service **EXT** = Extended Warranty[1]

Options
FSU = Start-up Service
EXT = Extended Warranty (with FSU only)

Dimensions



Cabinet	600 VA	1000VA	1500 VA	2000 VA
Total unit w/ Batteries	303 lbs (138 kgs.)	386 lbs (175 kgs.)	535 lbs (243 kgs.)	594 lbs (270 kgs.)

Warranty
Electronics: 1 year
Battery: 1 year full, 9 years pro-rated

MEPEM

Three phase UPS

Operates incandescent, magnetic and electronic ballast fluorescent, high power factor compact fluorescent, and high intensity discharge (HID).

How to specify

MEPEM		
Model series	VA rating	Input/ output
MEPEM = Three Phase Uninterruptible Power Supplies	**10** = 10,000 **15** = 15,000 **20** = 20,000 **30** = 30,000 **40** = 40,000 **50** = 50,000 **65** = 65,000 **75** = 75,000	**2x2** = 208 3-phase 4 wire input and output **4x4** = 480 3-phase 4 wire input and output **4x2** = 480 3-phase 4 wire input and 208 3-phase 4 wire output

Options
FSU = Factory Start-up Service (required for warranty)
IHF = 10% Input harmonic Filter
RAU = Remote Alarm Unit
NOL = Normally Off Load (Non-HID applications only) [1]
OCB(#) = Output Circuit Breakers (specify quantity) [1]

Notes
(1) Separate cabinet

Dimensions

Cabinet	Height	Width	Depth
Electronics Cabinet	55.1" (140 cm)	28.5" (72 cm)	28.7" (73 cm)
"B" Battery Cabinet	55.1" (140 cm)	33.5" (85 cm)	28.7" (73 cm)
"C" Battery Cabinet	70.0" (178 cm)	34.0" (86 cm)	33.0" (84 cm)
"D" Battery Cabinet	70.0" (178 cm)	40.0" (102 cm)	33.0" (84 cm)

Unit		10 kVA	15 kVA	20 kVA	30 kVA	40 kVA	50 kVA	65 kVA	75 kVA
Number of battery cabinets		**1B**	**2B**	**2B**	**2C**	**3C**	**3C**	**4C**	**5C**
Electronics Cabinet	208V	880 lbs. (400 kgs.)	880 lbs. (400 kgs.)	880 lbs. (400 kgs.)	1,300 lbs. (590 kgs.)				
	480V	1,400 lbs. (636 kgs.)	1,400 lbs. (636 kgs.)	1,400 lbs. (636 kgs.)	1,300 lbs. (590 kgs.)	1,350 lbs. (612 kgs.)	1,350 lbs. (612 kgs.)	1,800 lbs. (816 kgs.)	1,800 lbs. (816 kgs.)
Batteries		1,750 lbs. (793 kgs.)	2,900 lbs. (1318 kgs.)	3,500 lbs. (1,587 kgs.)	4,850 lbs. (2,200 kgs.)	6,600 lbs. (3,000 kgs.)	8,640 lbs. (3,917 kgs.)	10,500 lbs. (4,762 kgs.)	12,960 lbs. (5,878 kgs.)
Battery Cabinet(s)		370 lbs. (168 kgs.)	740 lbs. (336 kgs.)	740 lbs. (336 kgs.)	1,050 lbs. (476 kgs.)	1,650 lbs. (825 kgs.)	1,650 lbs. (825 kgs.)	2,200 lbs. (998 kgs.)	2,400 lbs. (1,088 kgs.)
Total Weight	208V	3,000 lbs. (1,428 kgs.)	4,540 lbs. (2,064 kgs.)	5,120 lbs. (2,323 kgs.)	7,200 lbs. (3,264 kgs.)				
	480V	3,520 lbs. (1,370 kgs.)	5,040 lbs. (2,291 kgs.)	5,640 lbs. (2,558 kgs.)	7,200 lbs. (3,264 kgs.)	9,600 lbs. (4,353 kgs.)	11,640 lbs. (5,279 kgs.)	14,500 lbs. (6,576 kgs.)	17,160 lbs. (7,782 kgs.)

Features

Overall characteristics
- Double conversion UPS - no interruption
- 208Y/120 VAC, or 480Y/277 VAC 3 phase, 4 wire plus ground, input and output voltages available
- Operating temperature range 18°F (-8°C) to 104°F (40°C)*
- Internal maintenance by-pass is standard
- Main load circuit breaker standard
- Sine wave output
- Frequency: 60 Hz
- Transfer time from inverter to utility is less than 0.5 mS

Housing
- Free standing, NEMA 1 enclosure with dead front panel
- Acid resistant powder coat finish

Battery: Maintenance free, sealed lead calcium battery with an expected life up to 10 years, and optimum operating range of 65°F (19°C) to 85°F (30°C)*

* Increases or decreases in temperature will affect battery performance. Optimum battery performance realized at 77°F (25°C). Batteries are rated at 100% capacity at 77°F (25°C).

Code compliance

ETL listed to UL 924

Warranty

Electronics: 1 Year
Battery: 1 year full, 9 years pro-rata

LOT

LOT series uninterruptible power supplies 1.5 - 4.2 kVA

Operates incandescent, magnetic and electronic ballast fluorescent, high power factor compact fluorescent, and high intensity discharge (HID) lamp types.

Features

Overall characteristics

- Double conversion UPS - no interruption
- 90% throughput efficiency, 85% emergency efficiency
- Operating temperature range 32°F (0°C) to 104°F (40°C), 77°F (25°C) recommended for battery
- Fault current rating 42kAIC
- Sine Wave Output
- Frequency regulation - synchronized to utility, free running 60 Hz, ±0.5%
- Internal, make before break maintenance by-pass

Housing

- Free standing, NEMA 1 enclosure
- Seismic anchoring compatible

Code compliance

UL 924
UL 924 Auxiliary Equipment

Warranty

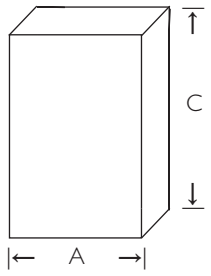
Electronics: 1 year
Battery: 1 year full, 9 years pro-rata

How to specify

LOT					
Model series	Input voltages	Output voltages	Unit size	Back-up duration	NOL
LOT = Single Phase Uninterruptible Power Supplies	**A** = 120V **G** = 120/240V **J** = 277 V **L** = 120/208V	**A** = 120 V **G** = 120/240V **J** = 277 V **L** = 120/208V **Y** = 120/277V	**1.5** = 1.5 kVA **2.2** = 2.2 kVA **3.0** = 3.0 kVA **3.5** = 3.5 kVA **4.2** = 4.2 kVA	**S** = 90 min **X** = 10 min **Y** = 20 min	**0** = None **1** = Yes **T** = NOL w/ TDT

Output ckt brkrs	Number on 2nd voltage	Number of NOL ckt brkrs		NOV Voltage	Number on 2nd voltage
00X = Hardwire **01X** = 1 OCB **02X** = 2 OCB **03X** = 3 OCB **04X** = 4 OCB **:** **:** **20X** = 20 OCB **----------** **01A** = 1 OCBA **02A** = 2 OCBA **03A** = 3 OCBAL **:** **:** **10A** =10 OCBA **Max. Pole Spaces 20**	**00** = 2nd Voltage **Hardwire or No 2nd Voltage** **01** **02** **03** **:** **:** **19**	**A** = 1 **B** = 2 **C** = 3 **D** = 4 **E** = 5 **F** = 6 **G** = 7 **H** = 8 **I** = 9 **J** = 10	**K** = 11 **L** = 12 **M** = 13 **N** = 14 **O** = 15 **P** = 16 **Q** = 17 **R** = 18 **S** = 19 **T** = 20 **Z** = No NOL	**1** = First **2** = Second **3** = Both **0** = No NOL	**A** = 1 **B** = 2 **C** = 3 **D** = 4 **E** = 5 **F** = 6 **G** = 7 **H** = 8 **I** = 9 **J** = 10	**K** = 11 **L** = 12 **M** = 13 **N** = 14 **O** = 15 **P** = 16 **Q** = 17 **R** = 18 **S** = 19 **Z** = No NOL

Dimensions



kVA	1.5-3.5	4.2
Width (A)	36"	36"
Depth (B)	24"	24"
Height (C)	72"	80"

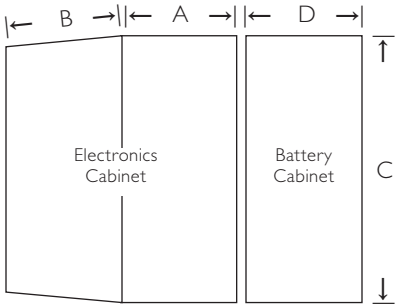
System input/output ratings

System rating (kW/kVA)	1.5	2.2	3.0	3.5	4.2
Input voltage (V) : Input current (A)	120 : 22.1	120 : 26.7	120 :39.4	120 :45.0	120 : 47.0
	120/240 : N/A	120/240 : N/A	120/240 : 19.1	120/240 : 21.8	120/240 : 23.5
	277 : 9.8	277 : 11.9	277 : 17.1	277 : 19.5	277 : 20.3
	120/208 : N/A	120/208 : N/A	120/208 : 22.1	120/208 : 25.2	120/208 : 27.0
Output voltage : output current*	120 : 12.5	120 : 18.3	120 : 25.0	120 :29.2	120 : 35.0
	120/240 : N/A	120/240 : N/A	120/240 : 25.0/12.5	120/240 : 29.2/14.6	120/240 : 35.0/17.5
	277 : 5.4	277 : 7.9	277 : 10.8	277 : 12.6	277 : 15.2
	120/208 : N/A	120/208 : N/A	120/208 : 25.0/14.4	120/208 : 29.2/16.8	120/208 : 35.0/20.2
	120/277 : 12.5/5.4	120/277 : 18.3/7.9	120/277 : 25.0/10.8	120/277 : 29.2/12.6	120/277 : 35.0/15.2
OCB Pole spaces available					
without trip alarm	20	20	20	20	20
with trip alarm	10	10	10	10	10
Heat Rejection (BTU/hr)	515	750	1025	1195	1870
weight					
Electronics	650	650	640	640	840
90 min battery	445	445	610	610	760
20 min battery	90	195	330	330	350
10 min battery	60	90	195	195	230

LOT

Single phase UPS - 5.0-10.0kVA

Dimensions



kVA	5.0	6.0-10.0
Width (A)	36"	36"
Depth (B)	24"	24"
Height (C)	80"	80"
Width (D)	N/A	29"

Features

Overall characteristics

- Double conversion UPS - no interruption
- 87% throughput efficiency, 85% emergency efficiency
- Operating temperature range 32°F (0°C) to 104°F (40°C), 77°F (25°C) recommended for battery
- Fault current rating 42kAIC
- Sine Wave Output
- Frequency regulation
- Internal, make before break maintenance by-pass
- Local 25 even logging/display
- Load integrity testing

Housing

- Free standing, NEMA 1 enclosure
- Seismic anchoring compatible

Code compliance

UL 924
UL 924 Auxiliary Equipment

How to specify

LOT										
Model series	Input voltage	Output voltage	Unit size	Back-up duration	NOL	Output ckt brkrs	# on 2nd voltage	# of NOL ckt brkrs	NOL voltage	# of NOL 2nd voltage
LOT = Single Phase Uninterruptible Power Supplies	**A** = 120 V * **G** = 120/240V **J** = 277V **L** = 120/208V	**A** = 120 V * **G** = 120/240V **J** = 277V **L** = 120/208V **Y** = 120/277V	**5.0** = 5.0 kVA **6.0** = 6.0 kVA **7.5** = 7.5 kVA **8.5** = 8.5 kVA **10.0**=10.0 kVA	**S** = 90 min **X** = 10 min **Y** = 20 min	**0** = Name **1** = Yes **T** = NOL w/TDT	**OOX** = Hardwire **01X** = 1 OCB **02X** = 2 OCB **03X** = 3 OCB **04X** = 4 OCB : : **20X** = 20 OCB ---------- **01A** = 1 OCBA **02A** = 2 OCBA **03A** = 3 OCBA : : **10A** = 10 OCBA Max. **Pole Spaces 20**	**00** = 2nd Voltage Hardwire or no 2nd Voltage **01** **02** **03** : : **19** **O** = 15	**A** = 1 **B** = 2 **C** = 3 **D** = 4 **E** = 5 **F** = 6 **G** = 7 **H** = 8 **I** = 9 **J** = 10 **K** = 11 **L** = 12 **M** = 13 **N** = 14 **P** = 16 **Q** = 17 **R** = 18 **S** = 19 **T** = 20 **Z** = No NOL	**1** =First **2** =Second **3** = Both **0** = No NOL **O** = 15	**A** = 1 **B** = 2 **C** = 3 **D** = 4 **E** = 5 **F** = 6 **G** = 7 **H** = 8 **I** = 9 **J** = 10 **K** = 11 **L** = 12 **M** = 13 **N** = 14 **P** = 16 **Q** = 17 **R** = 18 **S** = 19 **Z** = No NOL

* Available only on 5 KVA model

System input/output ratings

System rating (kW/kVA)	**5.0**	**7.5**	**10.0**
Input voltage (V) : Input current (A)	120 : 54.6	120 : N/A	120 : N/A
	120/240 : 27.3	120/240 : 42.8	120/240 : 54.6
	277 : 23.7	277 : 36.9	277 : 47.3
	120/208 : 31.5	120/208 : 49.2	120/208 : 63.0
Output voltage : output current*	120 : 41.6	120 : N/A	120 : N/A
	120/240 : 41.6/20.8	120/240 : 62.5/31.2	120/240 : 83.3/41.6
	277 : 18.0	277 : 27.0	277 : 36.1
	120/208 : 41.6/24.0	120/208 : 62.5/36.0	120/208 : 83.3/48.0
	120/277 : 29.2/12.6	120/277 : 62.5/27.0	120/277 : 83.3/36.1
OCB Pole spaces available			
without trip alarm	20	20	20
with trip alarm	10	10	10
Heat rejection (BTU/hr) weight	2550	3830	6020
Electronics	840	950	950
Empty battery cabinet	N/A	350	350
90 min battery	1000	1500	1680
20 min battery	350	550	1000
10 min battery	230	350	900

LMI

LMI series 100w & 250w mini-inverter

The LMI Series mini-inverter is an economical and efficient solution in providing emergency power to luminaires by eliminating the need for individual battery packs. Suitable for use with incandescent and fluorescent lamps. LMI Series is also compatible with Calculite's LED downlight.

Features

Overall characteristics: Provides minimum 90 minutes of emergency power with 91% nominal lumen output from luminaire. Operates incandescent and fluorescent lighting loads as well as our Calculite LED downlight; connected load must not be less than 40% of rated inverter output when used with Calculite downlight. Compatible with dimming ballasts - internal relay allows luminaires to operate in emergency mode regardless of position of wall switch/dimmer.

Housing: NEMA 1 steel construction with multiple conduit entry points with white powder coat paint finish. Surface, recess and grid ceiling mount options. Inverters can be remote mounted up to 1,000'.

Electronics: Universal 120 or 277 VAC input and output. Charging system is complete with low voltage disconnect, brownout protection, DC overload and short circuit protection. Square wave output.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 10 years and an operating temperature between 68°F (20°C) and 86°F (30°C).

Input power requirements

100w Models: 0.198A (120VAC); 0.080A (277VAC)
250w Models: 0.570A (120VAC); 0.268A (277VAC)

Code compliance

UL 924, NFPA 101, NEC, BOCA and OSHA.

Warranty

Electronics: 3 years
Battery: 1 years full, 4 years pro-rata.

How to specify

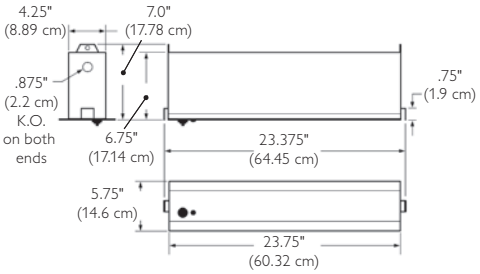
LMI			
Series	Output wattage	Mounting configuration	Options
LMI = LMI Series Inverter	**100** = 100 W **250** = 250 W*	**T** = Ceiling Installation **S** = Surface Wall Mount **R** = Recessed Wall Mount	**SD** = Self-Diagnostics **TD1** = 120V 15 Minute Time Delay **TD2** = 277V 15 Minute Time Delay **SP** = Special Paint, Black

Accessories
LIRT = Remote Test Switch

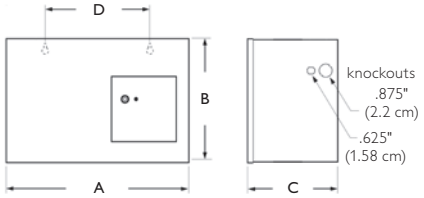
Operates incandescent and fluorescent lighting loads as well as life safety load devices requiring conditioned power.

Dimensions

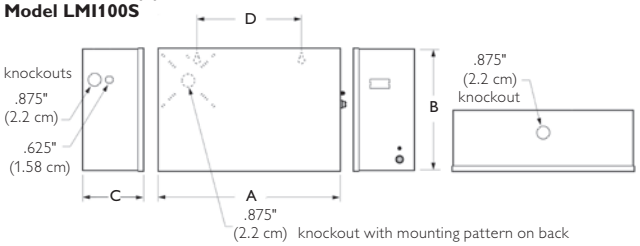
Ceiling grid model (T)



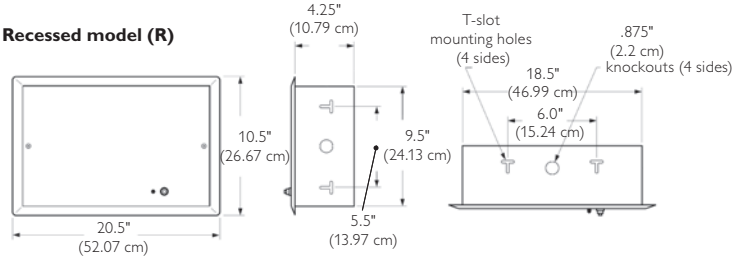
Surface model (S)
Model LMI250S



Surface model (S)
Model LMI100S



Recessed model (R)



Model	A	B	C	D
LMI100S	18.625"	9.625"	4.375"	14.5"
LMI250S	18.625"	10.125"	8.25"	13.0"

LMI

LMI series 300, 400 & 600w mini-inverter

The LMI Series mini-inverter is a practical solution in providing emergency power to luminaires by eliminating the need for individual battery packs. Suitable for use with incandescent, fluorescent and HID lamps.

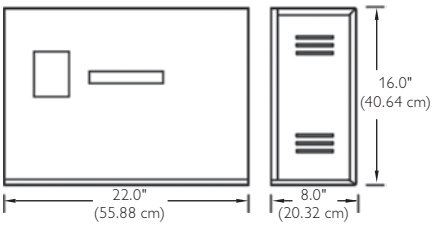
How to specify

LMI					
Series	Output wattage	Voltage configuration	Optional output circuit breakers	Optional output circuit breaker voltage	Optional output circuit breaker rating
LMI = LMI Series Inverter	**300** = 330 VA / 300 W **400** = 660 VA / 400 W **600** = 660 VA / 600 W	**120** = 120V **277** = 277V	**1** = OCB1 **2** = OCB2	**A** = 120 VAC **R** = 277 VAC	**10** = 10 Amps **15** = 15 Amps **20** = 20 Amps

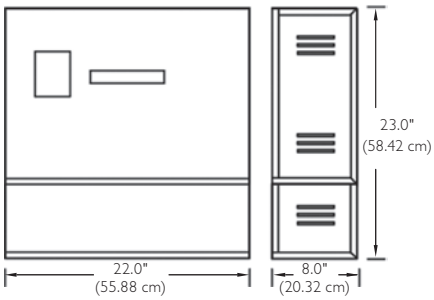
Operates incandescent, electronic ballast loads and HID lighting loads as well as critical loads requiring conditioned emergency power.

Dimensions

LMI300, LMI400



LMI600



Model	300W	400W	600W
Cabinets & batteries	113 lbs. (51.26 kg)	132 lbs. (59.87 kg)	188 lbs." (85.28 kg)

Features

Overall characteristics: Provides minimum 90 minutes of emergency power with full lumen output from luminaire. Operates incandescent, fluorescent and HID lighting loads.

Housing: NEMA 1 steel construction with multiple conduit entry points with white powder coat paint finish. Inverters can be remote mounted up to 1,000'.

Electronics: Charging system is complete with low voltage disconnect, brownout protection, DC overload and short circuit protection. Sine wave output.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 10 years and an operating temperature between 68°F (20°C) and 86°F (30°C).

Input power requirements

300w Models: 3.1A (120VAC); 1.4A (277VAC)
400w Models: 5.8A (120VAC); 2.6A (277VAC)
600w Models: 6.2A (120VAC); 2.8A (277VAC)

Code compliance

UL 924, NFPA 101, NEC, BOCA and OSHA.

Warranty

Electronics: 3 years
Battery: 1 years full, 9 years pro-rata.

LUPS

Uninterruptible power supplies

Operates incandescent, electronic ballast loads and HID lighting loads as well as critical loads requiring conditioned emergency power.

Features

Overall characteristics

- 83% throughput efficiency
- Single conversion UPS, fast transfer
- Operating temperature range of 32°F (0°C) to 104°F (40°C); 65°F (19°C) to 85°F (29°C) maximum for batteries
- Standard 90 minutes of operating time
- Output frequency 60 Hz ±0.2%
- Sine wave output
- AC input and output voltage meter
- AC input breaker
- AC output breaker
- Battery disconnect device

Housing

- Free standing, NEMA 1 enclosure with locking doors
- Acid resistant powder coat finish

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 10 years, and Operating temperature range of 65°F (19°C) to 85°F (30°C)*.

*Increases or decreases in temperature will affect battery performance. Optimum battery performance realized at 77°F (25°C). Batteries are rated at 100% capacity at 77°F (25°C).

Code compliance

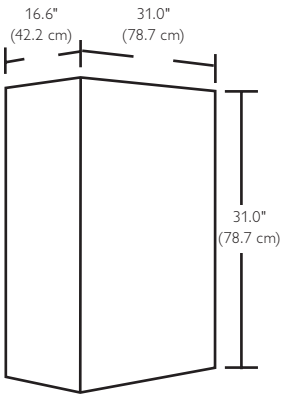
- UL 924
- UL 924 Auxiliary Equipment

How to specify

LUPS			
Model series	VA Rating	Voltage configuration	Output circuit breakers
LUPS = LUPS Uninterruptible Power Supply for Emergency Lighting Applications	**550** = 550 VA **1000** = 1,000 VA **1500** = 1,500 VA	**Input** / **Output** **A** = 120 / 120 **B** = 277 / 277	**OCB1** = (550 VA) **OCB3** = (1000, 1500 VA)

Options
FSU = Start-up Service
EXT = Extended Warranty (with FSU only)

Dimensions



Cabinet	550 VA	1000 VA	1500 VA
Electronics cabinet	223 lbs (101 kgs.)	223 lbs (101 kgs.)	262 lbs (119 kgs.)
Sealed lead calcium batteries	121 lbs (55 kgs.)	203 lbs (92 kgs.)	288 lbs (131 kgs.)
Total unit w/ batteries	344 lbs (156 kgs.)	426 lbs (193 kgs.)	550 lbs (250 kgs.)

Warranty
Electronics: 1 year
Battery: 1 year full, 9 years pro-rated

LM

Interruptible power supplies

Operates incandescent and electronic ballast loads as well as life safety load devices requiring conditioned power.

How to specify

LM96000		
Model series	Input/output voltages	Mounting configuration
LM96000 = Mini - Interruptible Power Supplies	**1** = 120V/120V without Light Switch Option **2** = 120V/120V with Light Switch Option **3** = 277V/277V without Light Switch Option **4** = 277V/277V with Light Switch Options **5** = 120V/12V without Light Switch Options **6** = 120V/12V with Light Switch Options **7** = 277V/12V without Light Switch Options **8** = 277V/12V with Light Switch Options	**CM** = Ceiling Plenum Installation* **SM** = Surface Wall Mount **RM** = Recessed Wall Mount**

Accessories

MIRDIS = Remote Display Assembly for system status monitoring up to 20 ft. away from LM Mini-IPS.

MICKIT = 20 ft. Cable Kit for connection of Remote Display Assembly

Notes

* (1) MICKIT and (1) MIRDIS accessories included

** Drywall Opening Dimensions: 14.5" W x 24.0" L

Features

Overall characteristics

- 80% throughput efficiency
- Operating temperature range of 32°F (0°C) to 104°F (40°C); 85°F (29°C) maximum for batteries
- 50 mS maximum transfer time
- Standard 90 minutes of operating time
- Optional light switch override capability
- Square wave output
- Frequency 60.0 ±1 Hz

Housing

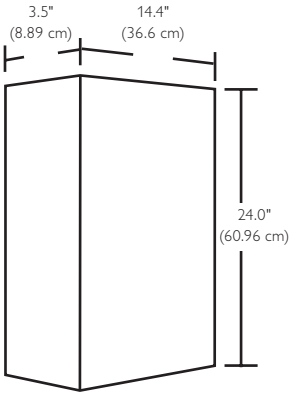
- NEMA 1 enclosure
- Galvanized cabinet with a white powder coat finished door
- Mounting options include: Surface Wall Mount, Ceiling Plenum Mount and Recessed Wall Mount
- Multiple conduit entries

Battery: Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years, and Operating temperature range of 65°F (19°C) to 85°F (30°C).

Code compliance

ETL listed to UL 924

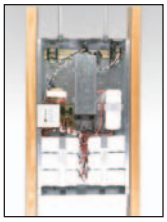
Dimensions



Cabinet	150 VA
Total unit w/battery	50 lbs. (22.7 kg)

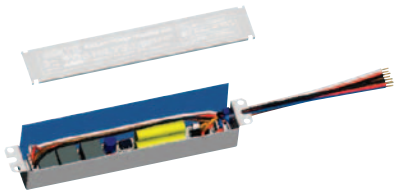
Mounting Options

Recessed



Surface

Ceiling plenum



LPTC

Generator transfer device

The LPTC transfers generator or central inverter system power to fluorescent fixtures at full lumen in the event of a power failure. Internal relay circuitry allows generator or inverter power to switchable luminaires regardless of wall switch and dimmer positions. One LPTC is required for each lighting fixture.

Features

Housing: Housing and cover are constructed of 24 gauge galvanized steel.

Electronics: 120/277 VAC dual input voltage with all inputs fused to 3 amps.

AC Input power requirements:
120/277VAC - .27mA – 1.48 watts
All inputs fused to 3 Amps

Code compliance

- UL 924 Listed for Damp Locations 32°F (0°C) to 131°F (55°C)
- NFPA 101
- Suitable for use in sealed or gasketed compartments

Warranty

Five Year Full Warranty

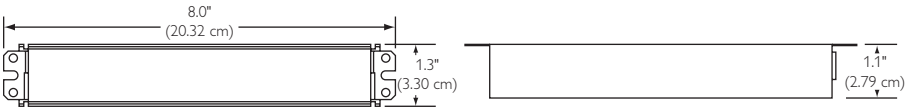
How to specify

LPTC

Model series

LPTC

Dimensions



LPTC20

Relay transfer device

The LPTC20 transfers generator or central inverter system power to luminaires at full lumen in the event of a power failure. Internal relay circuitry allows generator or inverter power to switchable luminaires regardless of wall switch and dimmer positions.

Features

Operation: The LPTC20 when used in conjunction with a generator or inverter system will allow power to lighting loads up to 20 amps. Internal relay circuitry allows generator or inverter power to luminaires by bypassing dimming panels and wall switches and dimmers.

Code compliance

UL 924, UL1008 transfer switch equipment, UL Damp Location, -4°F (-20°C) to 131°F (55°C).

Warranty

Electronics: 5 years.

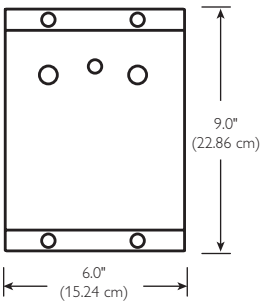
How to specify

LPTC20

Model series

LPTC20 = 20 amp relay transfer device

Dimensions



LTC

Low voltage transfer circuit

The LTC Low voltage transfer circuit works with Calculite Evolution low voltage downlights and 12v emergency module #C3275LW (see page 8.52) allowing luminaires to operate in normal AC operation and by provides egress lighting in the event of a power failure.

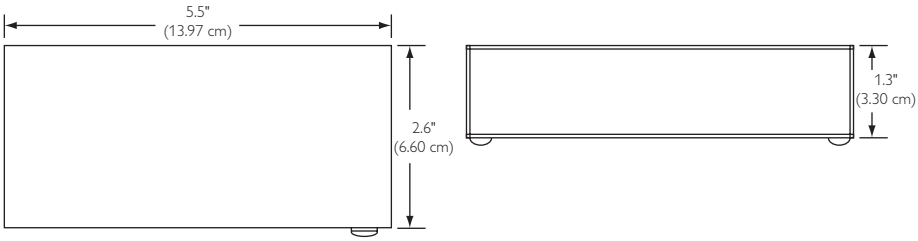
How to specify

LTC

Model series

LTC

Dimensions



Single fixture configuration

Qty. 1 #LTC (Low Voltage Transfer Circuit)
Qty. 1 #C3275LW (75W emergency module)
Qty. 1 #C4LV (Single Low Voltage Luminaire; 75w max)

Features

Housing: Housing and cover are constructed of 20 gauge galvanized steel. Three knockouts for conduit attachment are provided. A grounding lead is provided inside the housing.

Electronics:
Input – 12VDC
Output – 12VDC

Code compliance

- UL 924 Listed for insulated ceiling systems (IC rated)
- UL Damp Location Listed 32°F (0°C) to 122°F (50°C)
- NFPA 101

Warranty

Five Year Full Warranty

NFPA Life Safety Code

2006 Edition

Section 7.9 Emergency lighting

7.9.1 General.

7.9.1.1 Emergency lighting facilities for means of egress shall be provided in accordance with Section 7.9 for the following: (1) Buildings or structures where required in Chapters 11 through 42. (2) Underground and limited access structures as addressed in Section 11.7. (3) High rise buildings as required by other sections of this Code. (4) Doors equipped with delayed-egress locks. (5) The stair shaft and vestibule of smokeproof enclosures, for which the following also apply: (a) The stair shaft and vestibule shall be permitted to include a standby generator that is installed for the smokeproof enclosure mechanical ventilation equipment, (b) The standby generator shall be permitted to be used for the stair shaft and vestibule emergency lighting power supply, (6) New access-controlled egress doors in accordance with 7.2.1.6.2.

7.9.1.2 For the purposes of 7.9.1.1, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purpose of 7.9.1.1, exit discharge shall include only designated stairs, ramps, aisles, walkways, and escalators leading to a public way.

7.9.1.3 Where maintenance of illumination depends upon changing from one energy source to another, a delay of not more than 10 seconds shall be permitted.

7.9.2 Performance of System.

7.9.2.1 Emergency illumination shall be provided for not less than 1½ hours in the event of failure of normal lighting. Emergency lighting facilities shall be arranged to provide initial illumination that is no less than an average of 1 ft-candle (10.8 lux) and, at any point, not less than 0.1 ft-candle (1.1 lux), measured along the path of egress at floor level. Illumination levels shall be permitted to decline to not less than an average of 0.6 ft-candle (6.5 lux) and, at any point, not less than 0.06 ft-candle (0.65 lux) at the end of the 1½ hours. A maximum-to-minimum illumination uniformity ratio of 40 to 1 shall not be exceeded.

7.9.2.2 New emergency power systems for emergency lighting shall be at least Type 10, Class 1.5, Level 1, in accordance with NFPA 110, Standard for Emergency and Standby Power Systems.

7.9.2.3 The emergency lighting system shall be arranged to provide the required illumination automatically in the event of any interruption of normal lighting due to any of the following: (1) Failure of public utility or other outside electrical power supply. (2) Opening of a circuit breaker or fuse. (3) Manual act(s), including accidental opening of a switch controlling normal lighting facilities.

7.9.2.4 Emergency generators used to provide power to emergency lighting systems shall be installed, tested, and maintained in accordance with NFPA 110, Emergency and Standby Power Systems. Stored electrical energy systems, where required in this Code, shall be installed and tested in accordance with NFPA 110, Standard on Stored and Electrical Energy Emergency and Standby Power Systems.

7.9.2.5 Unit equipment and battery systems for emergency luminaires shall be listed to UL 924, Standard for Emergency Lighting and Power Equipment.

7.9.2.6 Existing battery-operated emergency lights shall use only reliable types of rechargeable batteries provided with suitable facilities for maintaining them in properly charged condition. Batteries used in such lights or units shall be approved for their intended use and shall comply with NFPA 70, National Electrical Code.

7.9.2.7 The emergency lighting system shall be either continuously in operation or capable of repeated automatic operation without manual intervention.

7.9.3 Periodic Testing of Emergency Lighting Equipment.

7.9.3.1 Required emergency lighting systems shall be tested in accordance with one of the three options offered by 7.9.3.1.1, 7.9.3.1.2, or 7.9.3.1.3.

7.9.3.1.1 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Functional testing shall be conducted at 30-day intervals for not less than 30 seconds. (2) Functional testing shall be conducted annually for not less than 1½ hours if the emergency lighting system is battery powered. (3) The emergency lighting equipment shall be fully operational for the duration of the tests required by 7.9.3.1.1(1) and 7.9.3.1.1(2). (4) Written records of visual inspections and tests shall be kept by the owner for inspection by the authority having jurisdiction.

NFPA Life Safety Code

2006 Edition

Section 7.10 Marking of means of egress

7.10.1 General.

7.10.1.1 Where required. Means of egress shall be marked in accordance with Section 7.10 where required in Chapter 11 through Chapter 42.

7.10.1.2 Exits, other than main exterior exit doors that obviously and clearly are identifiable as exits, shall be marked by an approved sign that is readily visible from any direction of exit access.

7.10.1.5 Exit Access

7.10.1.5.1 Access to exits shall be marked by approved, readily visible signs in all cases where the exit or way to reach the exit is not readily apparent to the occupants.

7.10.1.5.2 New sign placement shall be such that no point in the exit access corridor is in excess of the rated viewing distance or 100 ft (30 m), whichever is less, from the nearest sign.

7.10.3 Sign Legend.

7.10.3.1 Signs required by 7.10.1 and 7.10.2 shall read as follows in plainly legible letters, or other appropriate wording shall be used: EXIT.

7.10.4 Power Source. Where emergency lighting facilities are required by the applicable provisions of Chapter 11 through Chapter 42 for individual occupancies, the signs, other than approved self-luminous signs and listed photoluminescent signs in accordance with 7.10.7.2, shall be illuminated by the emergency lighting facilities. The level of illumination of the signs shall be in accordance with 7.10.6.3 or 7.10.7 for the required emergency lighting duration as specified in 7.9.2.1. However, the level of illumination shall be permitted to decline to 60 percent at the end of the emergency lighting duration.

7.10.5 Illumination of Signs.

7.10.5.1 General. Every sign required by 7.10.1.2 or 7.10.1.5, or 7.10.8.1, other than where operations or processes require low lighting levels, shall be suitably illuminated by a reliable light source. Externally and internally illuminated signs shall be legible in both the normal and emergency lighting mode.

7.10.5.2 Continuous Illumination.

7.10.5.2.1 Every sign required to be illuminated by 7.10.6.3, 7.10.7, and 7.10.8.1 shall be continuously illuminated as required under the provisions of Section 7.8, unless otherwise provided in 7.10.5.2.2.

7.10.5.2.2 Illumination for signs shall be permitted to flash on and off upon activation of the fire alarm system.

7.10.6 Externally Illuminated Signs.

7.10.6.1 Size of Signs. Externally illuminated signs required by 7.10.1 and 7.10.2, other than approved existing signs, unless otherwise provided in 7.10.6.1.2, shall read EXIT or shall use other appropriate wording in plainly legible letters sized as follows: (1) For new signs, the letters shall be not less than 6 in. (150 mm) high, with the principal strokes of letters not less than 3/4 in. (19 mm) wide. (2) For existing signs, the required wording shall be permitted to be plainly legible letters not less than 4 in. (100 mm) high. (3) The word EXIT shall be in letters of a width not less than 2 in. (51 mm), except the letter I, and the minimum spacing between letters shall be not less than 3/8 in. (9.5 mm). (4) Sign legend elements larger than the minimum established in 7.10.6.1.1(1) through 7.10.6.1.1(3) shall have letter widths, strokes, and spacing in proportion to their height.

7.10.6.2 Size and location of Directional Indicator.

7.10.6.2.1 Directional indicators, unless otherwise provided in 7.10.6.2.2, shall comply with the following: (1) The directional indicator shall be located outside of the EXIT legend, not less than 3/8 in. (9.5 mm) from any letter. (2) The directional indicator shall be of a chevron type, as shown in Figure 7.10.6.2.1. (3) The directional indicator shall be identifiable as a directional indicator at a distance of 40 ft (12 m). (4) A directional indicator larger than the minimum established for compliance with 7.10.6.2.1(3) shall be proportionately increased in height, width and stroke. (5) The directional indicator shall be located at the end of the sign for the direction indicated.

7.10.6.3 Level of Illumination. Externally illuminated signs shall be illuminated by not less than 5 ft-candles (54 lux) at the illuminated surface and shall have a contrast ratio of not less than 0.5.

7.10.7 Internally Illuminated Signs.

7.10.7.1 Listing. Internally illuminated signs shall be listed in accordance with UL 924, Standard for Safety Emergency Lighting and Power Equipment, unless they meet one of the following criteria: (1) They are approved existing signs. (2) They are existing signs having the required wording in legible letters not less than 4 in. (100 mm) high. (3) They are signs that are in accordance with 7.10.1.3 and 7.10.1.6.

7.10.9 Testing and Maintenance.

7.10.9.1 Inspection. Exit signs shall be visually inspected for operation of the illumination sources at intervals not to exceed 30 days or shall be periodically monitored in accordance with 7.9.3.1.3.

7.10.9.2 Testing. Exit signs connected to or provided with a battery-operated emergency illumination source, where required in 7.10.4, shall be tested and maintained in accordance with 7.9.3.

Dimming and controls

Section 9

Philips Controls delivers energy savings with a focus on solutions for people.

As a world leader in lighting technology, Philips is well established in North America to provide solutions that transform ordinary buildings into high-performance, energy efficient facilities by offering a single source for lighting systems and controls.

Philips Controls offers a variety of options to meet today's demanding requirements that are scalable for any space regardless of size or application. Options range from practical occupancy and daylight sensors, user friendly architectural scene controls to a complete range of digital addressable systems providing intelligent building control.

As a complete solutions provider for the most challenging projects, the Philips Controls' product range is backed by full-scale service offerings from system design assistance, project management, commissioning through after-sales systems maintenance.

Contents

Architectural controls > 9.2
Wallbox dimmers & networked devices > 9.20
Energy management overview > 9.38
Services overview > 9.47

Architectural controls

Lighting controls provide an opportunity to transform a space, manage moods, conserve energy, and improve the quality of life.

To make the building environment as responsive, productive and attractive as possible, Philips Controls solutions accommodate a wide range of architectural lighting needs and challenges. From convention centers to libraries or restaurants to ballrooms Philips Controls is capable of designing the most suitable lighting control solution that is tailored for the application.

Contents

Benefits of architectural controls > 9.5
Control system strategies > 9.7
Effective lighting control strategies > 9.7
Dynalite distributed networked systems > 9.9
Optio dimming panels > 9.12
Capio Plus dimmer rack > 9.13
Intelligent Raceway > 9.13
IPS and IGBT dimmers > 9.14
Lyteswitch relay panels > 9.15
Lytemode preset scene controls > 9.16
Application highlights > 9.18
LED control technology overview > 9.30
LED controls options > 9.32

Netflix Corporate Headquarters, Los Gatos, CA
Photographer: John Sutton

Key benefits of an architectural lighting system

Key benefits of architectural lighting controls

Choose Philips Controls because we'll work with you to bring you better results. Whether it's providing comfort or promoting excitement, creating appeal or delivering efficiency, building image or promoting safety, Philips Controls can offer a full range of architectural control solutions to meet all your varying needs.

Enhance aesthetics

Preset Scenes allow light settings to be recalled at any time, providing a consistent look and feel to the space.

- Set the mood of the space with a simple change of the lighting scene. A subtle dimming of the light level can create just the right ambience for an unforgettable dining experience.
- For retail applications, automatic operation of lighting scenes by astronomical time-clock can signal employees it's time to open when showroom lights and displays turn on.
- Draw attention to areas and objects by increasing the light relative to the surrounding environment.

Create a positive image

Lighting that sets the right mood and creates a unique experience helps distinguish a facility apart from the rest.

- First impressions are lasting. Facilities can set themselves apart with architectural and accent lighting, presenting the corporate brand image of a true leader.
- Welcoming, inviting facilities can motivate occupants, engage visitors and impress clients or patrons. Effective, well-illuminated environments can positively impact employee morale and productivity.
- Too much light— or too little—can intensify worker fatigue. Flexible lighting, when applied correctly, can improve occupant comfort, boost energy and increase workflow efficiencies.

Enable system integration

Today's architectural systems often require integration of lighting controls with automated shades, building management systems, audio/visual systems, and custom touch-screen controls- providing simple "one button" control.

- Integrate lighting controls with architectural shade systems to reduce glare, minimize heating, and save energy. Program shades into lighting scenes to provide a consistent appearance of all exterior windows when viewed from the outside.
- Activate audio-visual equipment based on lighting scenes. Press the Video button and the screen drops as the lights fade and the projector powers on.
- Use touch-screens with custom graphics to facilitate simple user operation through graphical representations of the room.

Extended lamp life

Dimming systems increase the lifespan of incandescent and LED light sources, saving time and money.

- Reducing the need for frequent lamp changes in difficult to access light fixtures.

Provide safety and security

Well lit areas provide employees and customers a sense of security and comfort.

- Illuminate egress pathways during emergency conditions to safely assist occupants to exits.
- Turn on site lighting nightly to provide safe passage to parked vehicles and illuminate steps and obstructions.
- Integrate with security systems to coordinate facility lighting response during security events.

Strategies to save energy

Effective lighting controls

Philips Controls provides a variety of control methods to suit any setting, ensuring that energy is not consumed unnecessarily, while furnishing the user with flexibility and control over their environment.

Preset scene control	Users can select pre-set scenes at the touch of a button to recall suitable light levels by areas and individual zones.
Demand response	Allows facility managers to automatically reduce electrical demand in a building by shedding lighting loads dynamically (through dimming or switching) during peak demand.
Full status reporting	Building operators can configure, monitor, manage and pro-actively maintain the lighting and energy profile across the entire building or any part within.
Shade controls	Combine elements of daylight and electric lighting with window shade systems to diminish glare and provide maximum comfort with reduced solar heat gain.
Building management systems (BMS)	Integrate with Building Management Systems for centralized control and interaction of energy and comfort parameters for various sub-systems - Lighting, Security and HVAC.

Occupancy control	For spaces that are occasionally occupied, motion sensors can be used to automatically turn lights off when the space becomes vacant.
Daylight harvesting	Photo sensors automatically adjust light levels based on the amount of daylight in the space; appropriate light levels are maintained and electric lighting is dimmed when necessary.
Time scheduling	Automate general facility lighting by scheduling lighting to turn off or dim based on normal business hours, time of day events or calendar schedules.
Task level tuning	Set default (maximum) light levels to suit the particular task or use of a workspace in order to eliminate over lighting.
Lumen maintenance	Compensate for lighting system aging and degradation over time with tunable light levels to suit the task.
Personal control	Users can select the optimal light levels in their workspace to suit their personal preferences from a variety of user-friendly interfaces.

Dynalite – architectural controls

Distributed networked systems for total lighting control management

The Philips Dynalite range of lighting and energy management solutions provides a versatile lighting control system that can be tailored to address varying demands of today's commercial energy management and architectural lighting applications.

Expanding on a world-wide reputation with an extensive footprint of system installations, the introduction of the Dynalite range to North America represents a significant step for both the North American lighting industry and Philips, which is the only company that can offer a fully integrated end-to-end solution that spans lamps, fixtures, ballasts and control systems.

Product categories explained

Dynalite's range of control products can be broadly categorized as:

Load controllers: Dynalite offers an extensive range of controllers with a variety of output types, combinations and load ratings for switching and dimming applications. When the system is connected as a network, the user has total flexibility to control all loads connected to a load controller.

User interfaces: The user interface range includes prominent aesthetically pleasing and contemporary Control Wall Stations in a variety of styles for simple preset scene selection to advanced logic, LCD touch screens using vivid graphics and sophisticated on-screen controls, Time Clocks, and Multi-function Sensors offering more than simple on/off controls (for occupancy detection and daylight harvesting).

Network gateways: By using network gateways, the lighting system can be configured to work in conjunction with other systems such as Audio/ Visual and Building Management Systems. Security, air-conditioning, lights and other systems can be programmed to turn on/off or dim at particular times or with a particular signal or button press. Lighting and temperature can be controlled to vary with ambient conditions, or be based on occupancy.

Software: The control management software enables the facility manager to easily accommodate tenancy changes with 'drag-and drop' configuration and graphical programming. From straightforward commissioning focused on the building's design intent, to energy management, monitoring and maintenance of building performance parameters, the Philips Dynalite software suite offers the most advanced control settings with the simplest user experience.

Dynalite

Distributed networked systems for total lighting control management

Using modular building blocks, the system easily scales from a single room to an installation involving several thousand fixtures, allowing individual addressability to each light point for granular control and measurement using intuitive easy-to-use graphical software applications.

The Philips Dynalite system utilizes a true distributed processing architecture, where a range of devices is interconnected over a single platform to unify a variety of control technologies and systems to form a total solution.

Product features

1. **Energy code compliant:** Designed to fully comply with the energy efficiency provisions of ASHRAE/IES 90.1, CEC Title 24, IECC standards, local and state energy code mandates as well as enable eligibility for various utility rebate programs.

2. **Total light management:** Perfectly suited to flexibly overlay a wide range of lighting control strategies that can seamlessly deploy from small areas to multiple floors to the entire facility or campus thus enabling sustainability initiatives and Green Building LEED Certification. Essential facility management capabilities for energy monitoring, reporting and load shedding (based on peak demand) are inherently designed into the system.

3. **Intelligent:** With Dynalite's distributed architecture, each control device incorporates its own "built-in" intelligence to operate autonomously; this dramatically improves reliability over systems that incorporate centralized processors, wherein malfunction of one device could result in total system failure.

4. **Future proof:** Leveraging a common platform, the Dynalite network provides complete flexibility for future expansion and ensures that alterations or additions can be made after installation, without the need to re-configure the entire system.

5. **Building integration:** The system, while primarily designed for lighting control, offers a rich host of options to integrate extensively with systems including HVAC, Building Management Systems (BACnet), Security, Fire Detection, Emergency Lighting (UL 924), Access Control and other electrical loads to provide a comprehensive solution.

6. **Keypads and touch screens:** Enhance the environment with Preset controls for a user to recall custom lighting level combinations or scenes used for a typical room activity at the press of a button. Extend control of common Audio/Video components to touch screens with graphical floor plan representations and precise automated Shade controls. Blend simplicity with Dynamic Touch iPad/iPhone/iTouch applications as a single 'remote' point of control for lighting, climate controls, security and more!

Dynalite

Distributed networked systems for total lighting control management

Ordering information

Load controllers

Relay module	The DMRC820FR-NA Relay controller is designed to control a variety of switched loads for up to 8 circuits.
DALI module	The DMBC320-DALI-NA ballast controller is designed to provide individual fixture dimming controls for up to 3 DALI Loops and 192 devices.
0-10V module	The DMBC320-100ZT-NA ballast controller is designed to provide dimming controls with up to 3 0-10V Control channels Compatible with LyteSwitch relay panels and Optio dimming panel systems

User interfaces

Time clock	The DTC602-NA is an astronomical time clock that can trigger events based on time of day, sunrise or sunset or preset times of days/weeks.
Touch screen	The DTP100-NA and DTP170-NA offer rich color LCD touch screen options that use vivid graphics and sophisticated on screen controls to create visually stunning and easy-to-use pages.
Wall stations	The DLP-NA user control stations provide aesthetically pleasing wall controls for most commercial applications, with available single and dual column designs for simple and advanced preset scene selection. The contemporary DR2PN range of user control stations provides the ultimate in aesthetic design flexibility for scene selection. Now available in a variety of colors, architectural styles and custom engraving options.

Sensors

Multi-function motion detection and photo sensors	Low profile 360° ceiling mount sensors (DUS804C-NA – flush mount and DUS804CS-UP-NA surface mount) combine motion detection (PIR and/or with Ultrasonic option), infrared remote control reception (IR) and ambient light level detection (Photo sensor) in the one device. The DUS704W-NA wall mount sensor provides wide angle coverage combining motion detection (PIR) and infrared remote control reception (IR) in one device.

Network gateways

A wide range of network integration options are available to connect with Audio/Video, BMS, HVAC, Security, and Shade Control Systems –

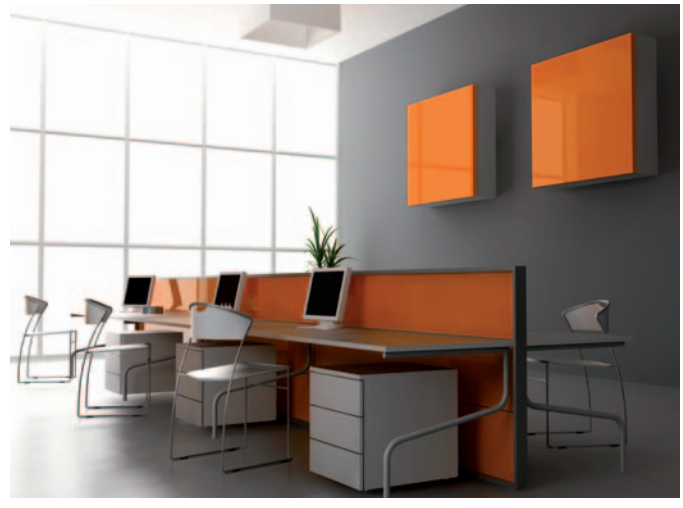
- TCP/IP Ethernet interface for high-level integration: DNG100BT
- Network gateway for trunking and DMX interface: DDNG485-NA
- RS232 Serial Port interface: DNG232-NA
- USB Network interface: DMNG-USB-NA
- Dry Contact Input interface for low-level integration: DDMIDC8-NA

Software

The Commissioning and Site Management Software suite features icon-driven menus and commissioning templates to deliver unprecedented programming flexibility and fast-tracked lighting control system setup. Providing a simple and intuitive interface for access to even the most advanced functionality of the system, facility managers can accomplish lighting control and energy monitoring across all levels of a building.

Our expertise

The Dynalite product range has gained an international reputation for its quality, reliability and a rich feature set that is continually refreshed to the dynamic market trends. Backed by the highest level of engineering, sales and warranty support, Dynalite solutions offer a complete range of services from project system design and field commissioning to post-sales system maintenance.



Optio dimming panels

Scalable panel systems, Optio dimmer cabinet

IGBT dimming technology, commercial energy management /architectural

The Optio lighting control panel provides the outstanding digital control performance of IGBT dimming technology in a wall-mountable enclosure. Optio dimming panels are offered in scalable configurations – 3 module (up to 12 circuits), 6 module (up to 24 circuits) and 9 module (up to 36 circuits), tailored to address the varying needs of commercial and architectural lighting applications.

Silently performing for decades

Philips Controls IGBT dimming technology

IGBT (Insulated Gate Bipolar Transistor) state-of-the-art dimming technology from Philips Controls provides reliable, high-performance operation in the most demanding lighting applications. Tried and proven in the field across thousands of installations, IGBT dimmers are intelligent, energy-efficient, quiet, compact, and outperform traditional dimmers.

- **Smart:** IGBT dimmers use microprocessor "intelligence" and power devices to control various types of lighting loads – a single module is capable of supporting forward and reverse phase dimming controls. This is particularly useful in handling varying lighting schedules with last-minute fixture swap outs in the field without the need to replace the dimmer modules.
- **Silent:** IGBT dimmers are completely silicon-based and operate silently without the use of chokes. They do not produce any mechanical buzz, are smaller, lighter, and generate fewer neutral harmonics than conventional dimmers.
- **Reliable:** IGBT dimmers operate with an 800-microsecond rise time, realizing lamp performance, and extending lamp life. All IGBT dimmers incorporate a "focus" button feature which allows for manual operation of each dimmer, saving setup time and labor.
- **Efficient:** IGBT dimmers offer the most energy efficient dimming systems in the market today, requiring far less heat consumption to design the most compact footprint for installation.

Key features

1. **Energy code compliant:** Optio panels are designed to fully comply with the energy efficiency provisions of ASHRAE/IES 90.1, CEC Title 24, IECC standards, local and state energy code mandates as well as enable LEED Green Building certification.
2. **Occupancy sensing:** For enclosed spaces with intermittent occupancy, comply with automated shut-off requirements with seamless integration of Philips IntelliSight Occupancy sensors to maximize energy savings.
3. **Daylight harvesting:** Create a sustainable environment by allowing facilities to take advantage of daylight to save energy. With Philips IntelliSight photo sensors, Optio dimming systems can easily deploy daylight harvesting controls providing compliance with light level reduction requirements.
4. **Silent:** Optio distinguishes itself with its quiet IGBT operation (with convection cooling), allowing the cabinet to be located in acoustically sensitive spaces.
5. **Flexible:** Optio also allows mixed combinations of IGBT and conventional SCR dimmer and relay modules to be incorporated within the same cabinet.
6. **Extensive range:** Optio Dimmer Modules (Dual or Quad IGBT) and conventional SCR dimmer modules are available to support incandescent, tungsten, LED, low voltage, neon and cold cathode, electronic low-voltage, PowerSpec HDF, Mark 7 / EssentiaLine *0-10V*, Mark 10 / EssentiaLine *Powerline*, three-wire dimming fluorescent and non-dim loads.

Complementary with Philips Controls Lyteswitch Relay Panels and the recently launched Philips Dynalite Lighting Control System, Optio dimming panels offer a broad range of lighting control options to suit a variety of building integration applications. Emergency Lighting Circuits (UL924), Building Management System Interface, Pathport DMX via Ethernet, DMX512, Philips Controls IntelliSight Occupancy and Daylight Sensors, and complete compatibility with the Lytemode family of architectural lighting controls make Optio an ideal choice for any project design.

Fully compatible with Lytemode family of wall stations for local control

Ordering information (base models)

Item number	Description	
OPT3120 – 3 module	Up to 12 Circuits	120V or 277V operation A main breaker option is available on 6 and 9 module cabinets
OPT6120 – 6 module	Up to 24 Circuits	
OPT9120 – 9 module	Up to 36 Circuits	

Custom configurations available.

Capio Plus dimmer rack

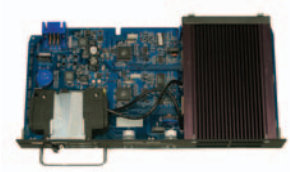
Scalable panel systems, IGBT dimming technology

Capio Plus dimmer rack

The Capio Plus dimmer rack provides the outstanding performance and energy efficiency of IGBT dimming technology in a high-density rack. Available in two sizes, a 48-circuit rack and a 96-circuit rack, Capio Plus is perfect for architectural and entertainment dimming applications. The rack's slim profile combines a sleek and attractive appearance with high-performance IGBT dimming modules, able to handle a variety of various load types.

Key features

- Efficient IGBT technology for quiet lamp operation, reduced voltage loss and reduced heat
- Racks bus together for larger applications
- Locking door with integral electrostatic air filter
- High velocity fan provides advanced thermal management and cooling
- Control via Lytemode ILS, DMX512, or Pathport over Ethernet protocol



Capio Plus Dual 2400 Watt Dimming Module using IGBT Technology

IGBT dimming technology

Next generation IGBT dimming products provide reliable, high-performance operation in the most demanding architectural and entertainment environments. IGBT dimmers are intelligent, energy-efficient, quiet, compact, and outperform traditional SCR dimmers.

IGBT dimmers use microprocessor "intelligence" and IGBT (Insulated Gate Bipolar Transistor) power devices to control various types of lighting loads. IGBT dimmers are completely silicon-based and operate silently without the use of chokes. They do not produce any mechanical buzz, are smaller, lighter, and generate fewer neutral harmonics than SCR dimmers. Plus, IGBT dimmers operate with an 800-microsecond rise time, realizing lamp performance, and extending lamp life. Each IGBT dimmer can sense and automatically respond to changes it detects in incoming power, load size, load type, load condition, and temperature.

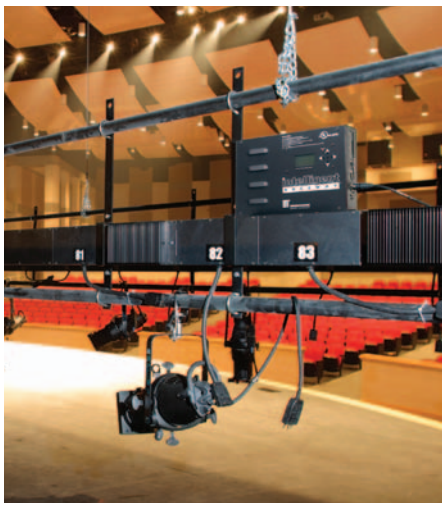
All IGBT dimmers incorporate a "focus" button feature which allows for manual operation of each dimmer, saving setup time and labor.

Intelligent Raceway

IGBT dimming technology

Intelligent Raceway

The Intelligent Raceway combines both a dimmer rack and a connector strip into one efficient piece of equipment. It provides designers, specifiers, and installers a major advantage over conventional lighting control systems by allowing the dimmer to be located in the raceway and much closer to the control load, making it quick and easy for a single person to set up, focus, and operate. At the heart of the Intelligent Raceway is the silent IGBT dimmer, which is smaller, lighter, and quieter than conventional SCR dimmers. The Intelligent Raceway eliminates the need for costly electrical rooms and dedicated HVAC without sacrificing performance, and can reduce the installed wiring by up to 66 percent. The Intelligent Raceway integrates with DMX 512 and Lytemode architectural lighting systems and is ideal for theatrical, architectural and multi-purpose applications.



Key features

- Efficient IGBT technology for quiet lamp operation, reduced voltage loss and reduced heat
- Up to 96 feet in length
- Up to 48 - 20A dual IGBT dimmer modules (96 circuits)
- Choice of receptacles
- Provides power for dimmed loads, and constant 120V and 208V circuits.
- Control via Lytemode, DMX512, or DMX512 over Ethernet control protocols

Distributed dimming

IGBT dimmers can be located in acoustically sensitive spaces and "distributed" adjacent to their respective dimmed load. Distributed Dimming provides a cost effective lighting control solution with lower installation costs, longer lamp life, and less wasted heat energy. Distributed dimming lowers electrical installation costs by requiring less wire, fewer terminations, the elimination of air-conditioned dimmer rooms, and noise-corrective acoustical treatments. Placing the dimmers at the load allows for a completely flexible and efficient dimming system.

Distributed dimming is available in all Intelligent Raceway, IPS Dimmer Strip and Bak Pak dimming product families.

IPS Dimmer Strip and Bak Pak

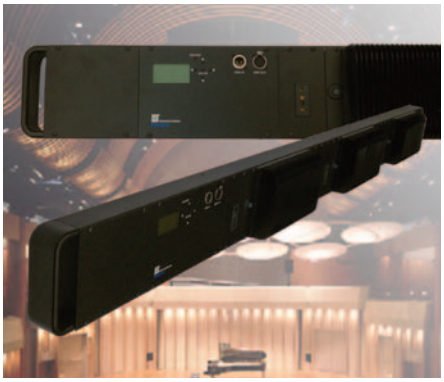
Scalable panel systems, portable IGBT dimming technology

Philips IPS dimmer strips

Philips IPS dimmer strips feature quiet convection cooled IGBT dimming for low lamp noise and reliable operation. IPS Dimmer Strips are completely silicon-based and operate silently without the use of chokes, and do not produce any mechanical buzz or hum associated with Silicon Controlled Rectifier (SCR) dimmers. Philips IPS Dimmer Strips are an ideal solution for schools, churches or any facility that does not have space for conventional dimmer racks. Easy to install and use, IPS Dimmer Strips are fed from standard breaker panels.

Features

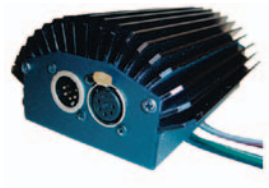
- Digital dimmer strip with leading and trailing phase dimming
- Compatible with new LED drivers that require reverse phase operation
- DMX512
- Quiet convection cooled dual IGBT dimmers
- Energy efficient - 97.9%
- Dimmer strip features 6 dimmers packaged in three dual modules
- Automatic overload and short circuit protection
- Local focus buttons and LED status indicators
- Simple set up with back lit LCD display and easy button access



Bak Pak individual IGBT dimmer

Portable IGBT dimming technology

Bak Pak individual IGBT dimmer



The Bak Pak is a compact, lightweight dimmer that easily attaches to the lighting fixture it controls. Bak Pak provides dimming capability anywhere, anytime, without the need for a dimmer rack or additional rack space. Bak Pak can be used as a standalone dimmer or as a complement to your existing lighting system. Controlled via DMX512 control protocol, the Bak Pak also has built –in standalone effects that let you instantly change its intensity level, fade rate, strobe, chase sequences, flicker and flashing effects. Never before have designers enjoyed this instant level of convenience and versatility when using dimmers. In facilities with no provisions or room for traditional dimmer racks or panels, simply connect a Bak Pak dimmer to your fixture and plug it into the nearest power source.

Key features

- Efficient IGBT technology for quiet lamp operation, reduced voltage loss and reduced heat
- Individual IGBT dimmer that can be mounted directly to conventional stage lighting fixture
- Choice of 3 mounting hardware options include yoke mount, wall mount, or pipe mount
- Natural Convection Cooling
- Choice of 120V or 230V operating voltage
- Compact 750 watt dimmer
  6.82" x 4.53" x 2.93" 2.0 lbs.
- Compact 1200 watt dimmer
  6.82" x 4.53" x 3.18" 2.1 lbs.
- Control via DMX512 control protocol, or built-in standalone control or effects
- Extended lamp life
- Energy savings

Lyteswitch

Scalable panel systems, low voltage relay switching panels

The Lyteswitch family of low-voltage relay switching systems offers intelligent, energy saving control of lighting in a wide range of commercial applications. Lyteswitch Relay Panels are offered in scalable configurations of up to 12, 24, 36, or 48 relay circuits, providing maximum flexibility to address the varying demands of today's lighting control needs. The Lyteswitch lighting control panels feature low-profile surface or recessed-mount enclosures, designed to complement Philips Controls Optio Dimming Panels and the recently launched Philips Dynalite Lighting Control System.

High performance mechanically-held latching relays specifically designed for lighting loads (including HID) provide reliable switching of all load types for years of trouble-free operation. Individual field-replaceable single and double pole relays rated for up to 600V.

Programming and monitoring of Lyteswitch lighting control panels is fast and easy using the backlit graphical LCD display and menu buttons. Multicolored LED status indicators provide operation status and troubleshooting information.

Fully compatible with Lytemode family of wall stations for local control

Ordering information (base models)

Item number	Description	Enclosure
Branch circuit fed panels (Universal Voltage 120V/277V), 240V, 347V		
LSW-12-PRO	12 Circuit Relay Panel	LSWBOX-1
LSW-24-PRO	24 Circuit Relay Panel	LSWBOX-2
LSW-36-PRO	36 Circuit Relay Panel	LSWBOX-3
LSW-48-PRO	48 Circuit Relay Panel	LSWBOX-3
3-phase feed with internal branch circuit breakers (120V, 277V)		
LSW-24-PROB	24 Circuit Relay Panel	LSWBOX-3
LSW-36-PROB	36 Circuit Relay Panel	LSWBOX-4
LSW-42-PROB	42 Circuit Relay Panel	LSWBOX-4

Custom configurations available.

Key features

1. **Energy code compliant:** Lyteswitch panels are designed to fully comply with the energy efficiency provisions of ASHRAE/IES 90.1, CEC Title 24, IECC standards, local and state energy code mandates as well as enable LEED Green Building certification.
2. **Time scheduling:** Considerable energy savings is provided by the system's integrated astronomical time clock to automatically turn lights off (or on) based on time of day events and calendar schedules.
3. **Occupancy sensing:** For enclosed spaces with intermittent occupancy, comply with automated shut-off requirements with seamless integration of Philips IntelliSight Occupancy sensors to maximize energy savings.
4. **Simple to setup:** Using standard CAT5e cable wiring, Lyteswitch systems are easy to connect and setup with "walk-around" programming – Simplify scene settings by selecting the desired relays at the panel and the associated digital control station.
5. **Easy to use:** Lyteswitch control systems incorporate user friendly digital control stations and intelligent sensors for occupant comfort. End users can easily override the system to adjust the lights regardless of the time scheduled status with applicable CEC Title 24 provisions.
6. **Occupant notification:** Audible chimes and/or Flashing of lights provide occupant notification minutes before turning the lights off when used with Lyteswitch keypads and occupancy sensors.

Lyteswitch panels offer a broad range of lighting control options to suit a variety of building integration applications. Emergency Lighting Circuits (UL924), Building Management System Interface, DMX via Ethernet, DMX512, Philips Controls IntelliSight Occupancy Sensors and Photocells, and complete compatibility with the Lytemode family of architectural lighting controls make Lyteswitch a perfect fit for any project.

Lytemode

Architectural lighting control system

The Lytemode Architectural Lighting Control System is designed to offer a variety of control solutions, from easy-to-operate keypads to a powerful touch screen controller. This affords you the design flexibility to choose the best control type for your application. You can control a few, or a few thousand channels, and distributed intelligence puts processing power and configuration settings into each device. This eliminates the need for a central processor and provides outstanding control from a virtually unlimited number of control points. Lytemode products include touch screens, wireless handheld stations, and a host of other control interfaces and options. Design and installation are simple, since the same Cat5e cable supplies both data transfer and power to every station.

Lytemode architectural

Architectural/commercial control systems

Lytemode

Lytescene touch screen network master station

- Allows full control of any Master, Mini Master, or Partition Control on the Lytemode network
- Optional Astronomical Time clock
- High performance backlight and customizable background logos
- Powered from the Lytemode network

Lytemode master stations

- Available in 4, 8, 12, and 16 channels, each with 13 preset scenes
- Link together for up to 128 channels of control in a single room
- Scene, channel and fade rate status indicated by LEDs
- Adjustable fade rates from Instant to one hour
- Scenes may be locked to prevent tampering. Optional security covers available.
- No fail memory
- Powered from the Lytemode network

Lytemode mini master station

- Provides 16 channels of individual control plus 13 scenes
- Built in infrared receiver for use with infrared remote
- Master raise/lower control
- Powered from the Lytemode network
- No fail memory without battery backup
- Color kits and custom engraved keypads are available

Lytemode remote stations

- 6-Button provides remote access to 5 scenes plus Off. Combine with 8-Button remote for 13- scene access.
- 2-Button configurable as 2-scene Remote, Master Raise/Lower, Lockout Station, or Partition Remote
- Built-in infrared receiver on 6-button remote
- Master Channel Raise/Lower on 6-button remote
- May be programmed to control one or multiple Master Stations
- No fail memory without battery back-up
- Powered from the Lytemode network

Lytemode partition control

- Compact solution for control of up to 8 partitions (9 rooms)
- Three 8-button controls link together for control of up to 24 partitions (25 rooms)
- Includes 2-gang screwless faceplate, and custom engraved layout insert
- Use with 2-button partition control for local open/close control of one partition (2 rooms)
- Illuminated partition status buttons
- Powered by the Lytemode network
- No fail memory without battery backup

Lytemode DMX

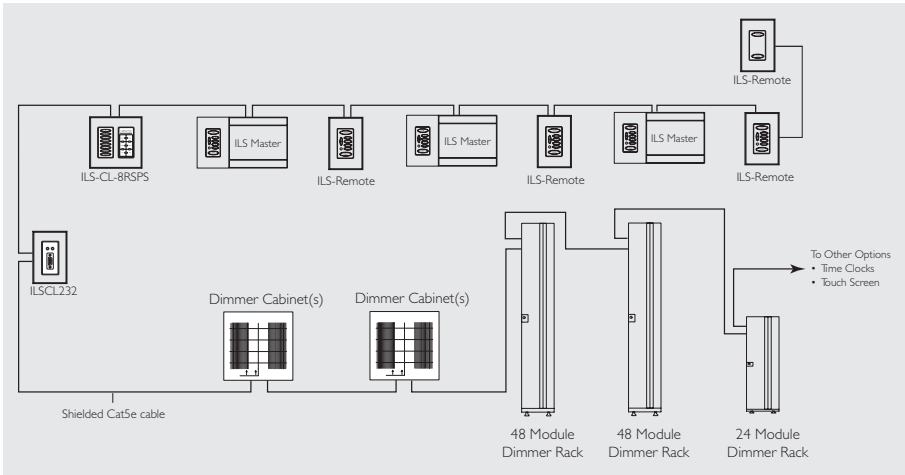
Architectural/commercial/theatrical control systems

Lytemode DMX control systems

Lytemode DMX wall-mount architectural controls

Item number	Description
	Control Systems
ILSDMX45ES	4 Channel Master Station
ILSDMX85ES	8 Channel Master Station
ILSDMX125ES	12 Channel Master Station
ILSDMX165ES	16 Channel Master Station
	Accessories
CE6BES	Custom-Engraved 6-Button Ellipse Series Membrane
CLB8	Rough-In Backbox with 120V Internal Power Supply (4/8 Ch. Master Stations)
CLB16	Rough-In Backbox with 120V Internal Power Supply (12/16 Ch. Master Stations)
ILSCLB8	Rough-In Backbox without Power Supply (4/8 Ch. Master Stations)
ILSCLB16	Rough-In Backbox without Power Supply (12/16 Ch. Master Stations)
CLMIR	Lytemode Handheld Infrared Transmitter
LB-SM	Locking Metal Security Cover (4/8 Master Stations)
LB-LG	Locking Metal Security Cover (12/16 Master Stations)

ILSDMX85ES
8 Channel Master Station



Typical Lytemode topology

Lytemode DMX

The Lytemode DMX Architectural Lighting Controller offers powerful, yet simple, control of all DMX compatible lighting fixtures and dimmers, in one easy-to-program and architecturally neutral wall station.

With three separate modes of DMX control, each Lytemode DMX Architectural Lighting Controller features large backlit buttons, LED bar graph indicators, and an infrared eye, creating an intuitive and comfortable user interface. Additionally, the Lytemode DMX controllers are USITT DMX 512A compliant offering control for all DMX enabled LED fixtures and intelligent lighting fixtures, and can operate as a backup for lighting control consoles.

Lytemode DMX architectural lighting controllers are compatible with all Lytemode architectural lighting control system products. Therefore they may be used in a complete lighting control solution along with remote button stations, handheld remotes, LyteScene touch screen stations, an astronomical timeclock, occupancy sensors and photocells. Included contact closure inputs allow programmed scenes to be activated remotely.

3 Modes

- Generate DMX using raise/lower buttons on Master
- Snapshot DMX looks to each of the Raise/Lower channels to layer looks
- Snapshot an entire universe of DMX (512 Channels) to each of the 13 Scenes

Key features

- Available in 4, 8, 12, and 16 Channels
- Up to 8 Masters may be linked together for control of up to 128 Channels
- 13 Scenes plus "Off"
- Individual Raise/Lower control for each channel
- Master Raise/Lower control for all channels
- Adjustable Fade Time from Instant to 60 minutes, with instant override
- Auto-Cycle mode for 5 scenes or 13 scenes
- Cinema Cycle triggers one-time scene sequence
- Lock presets or entire panel from the Master or from a Remote Station
- Compatible with all Lytemode Remote Stations
- Includes rugged ABS screwless faceplate
- Available in a variety of colors using optional Lytemode color kits (consult factory for color availability)
- Illuminated buttons with adjustable LED intensity
- Custom engraved keypads and faceplates available
- Powered from the Lytemode network or 120VAC (with optional powered backbox)
- Non-volatile memory retains settings in the event of power loss

Application highlights

Netflix Corporate Headquarters, Los Gatos, CA

Lecture hall

In a lecture theatre, a flexible control system is an essential part of the lighting.

Lecture theatres need to accommodate a wide range of uses and, as a result, the demands on the lighting control system in this type of application are surprisingly complex. The control system must maintain the most comfortable lighting levels for a wide range of tasks, adapt to a number of room combinations, provide for safe egress in case of an emergency, interface with other systems such as AV and BMS and, of course, maintain the aesthetics of the room and present the best possible appearance at all times.

Users often leave lights on when vacating the space, so it is desirable for the control system to turn off lighting when the room is unoccupied. In a university or similar environment, there is often a BMS responsible for access control and HVAC. To optimize running cost and reduce energy consumption, the lighting control system should notify the BMS if the room is not in use and the air-conditioning not required.

Themed venue

Lighting control in themed venues is vital to ensure appropriate environmental aesthetics and functional illumination.

Themed venues such as restaurants, bars and clubs, can be used for a range of purposes which can vary extensively throughout the course of a day. Lighting levels during preparation and cleaning phases need to be appropriate so that tasks can be carried out in a safe and efficient manner. During times of patronage, adjustments to lighting levels are necessary to provide the appropriate architectural appearance for the atmosphere desired. Dining areas will frequently require a range of settings when used for functions to align with event proceedings such as seating, serving, dining, presentation, and departure. Lighting in podium or stage areas will also require a range of settings for different uses, such as live performances and presentations. Provision should also be included to link the security system ensuring all lighting is turned off when the system is activated, so that energy is conserved outside of operating hours.

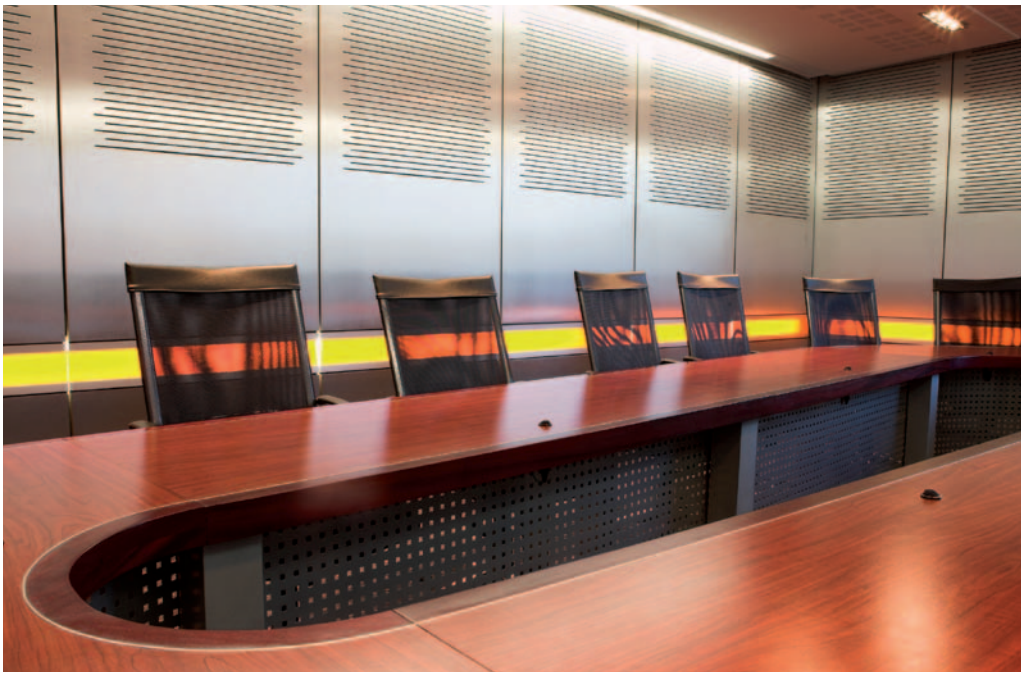
Virgin Atlantic Clubhouse; Lighting Design by Focus Lighting, Inc.; Photography by Anton Stark

Application highlights

Hotel ballroom

The appearance of the ballroom is a major selling feature of a hotel.

The lighting control system should present the room in the best possible light. A ballroom generally accommodates a variety of operating modes and hotel staff needs to be able to quickly and easily reconfigure the room between functions, to meet the differing needs of each client. To achieve this aim, the lighting designer would set up the preset scenes for all likely applications and room combinations in advance. Occasionally, stage sets, catwalks and other temporary equipment will be erected in the space, often positioned in front of lighting control points, which makes it imperative to provide duplicate control points in several locations and 'smart' sockets for portable control stations. The control system must be flexible enough to allow third-party access for DMX512 theatrical control signals. For this to be practical, the system must support control of emergency exits and other critical areas. As well as the requirement for flexibility and repeatability of lighting settings, the room must be as energy efficient as possible when not in use.



Boardroom

The boardroom is often the centerpiece of a workplace, communicating an overall image of the company.

During corporate presentations, precisely coordinated control of lighting, audio-visual systems and other devices, such as motorized blinds and curtains, is vital. Boardrooms and meeting rooms are often used for corporate hospitality, so it is desirable for a control system to accommodate entertaining.

Networked devices and wallbox dimmers

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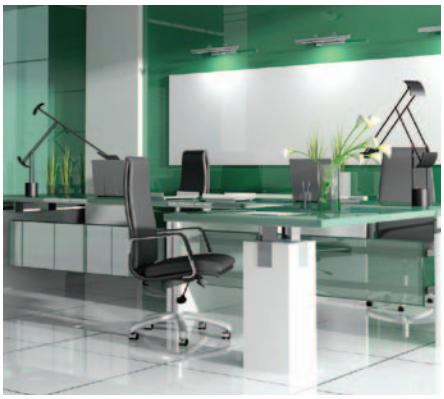


Compli Scenist

Integrated wall mounted dimming system

Compli Scenist

Compli Scenist provides the control features of a component system in an elegant, all-in-one installation. With Compli Scenist, sophisticated lighting control becomes as simple as pushing a button! It incorporates 5-scene control of four dimmers that installs into a four-gang wallbox. Each dimmer controls up to 800 watts, with a total capacity of 2000 watts.

A smart processor memorizes five presets for each dimmer and composes them into preset scenes. The scenes are selected using the integral keypad. Presets for any dimmer may be manually overridden (but are not erased) at any time. Programming is simple and may be changed at any time. Fade rates between scenes adjust from instantaneous to one hour.

The entire Master, the set function, or an individual scene may be locked to prevent accidental tampering.

Features

- 4 Dimmers neatly fit into 4-gang junction box
- 5 Preset Scenes plus off
- Fade rates from instant up to 1 hour
- Contact closure inputs to trigger scenes or panic
- Any dimmer can be configured as a non-dim

Compli Scenist remote controls

Compli Scenist remote station controls allow scene selection changes or individual channel raise/lower from additional locations.

Compli Scenist

Compli Scenist

Compli 5-Scene Remote

Compli 2-Scene Remote

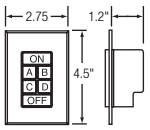
Item Number	Description	Color Suffix	Wattage Capacity	Watts/ Chnl.
	Compli Scenist			
CS2045IIW	4 Channel, 5 Scene, Incand/Inductive loads	White Bezel/ White Door	2000W	800W
CS2045II	4 Channel, 5 Scene, Incand/Inductive loads	Black Bezel/ Smoke Door	2000W	800W
CS2045IIES	4 Channel, 5 Scene, Incand/Inductive loads	Smoke, Ellipse Style	2000W	800W
CS2045IIESW	4 Channel, 5 Scene, Incand/Inductive loads	White Bezel/ White Door	2000W	800W
	Compli Scenist remotes			
CSR5W	5-Scene Remote, Plus Off	White Bezel	N/A	N/A
CSR5	5-Scene Remote, Plus Off	Black Bezel	N/A	N/A
CSR2	2-Scene Remote or Raise/Lower	Black Bezel	N/A	N/A
CSR2W	2-Scene Remote or Raise/Lower	White Bezel	N/A	N/A

Color code

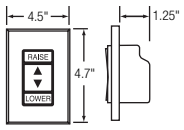
White
W
Black
BL
Smoke
S

Dimensions

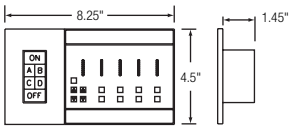
Master



Remotes



Compli Scenist



Dimming Amplifiers and Control Accessories

Integrated wall mounted dimming system

Dimming amplifiers

Dimming amplifiers allow any Philips VA rated dimmer to control larger loads or 277V loads using a 120V dimmer and to interface with various fluorescent electronic dimming ballasts. A single VA dimmer can control a maximum of three dimming amplifiers. This is especially useful and cost-effective when only one channel controls a high-wattage load. Dimming amplifiers are phase-independent. Therefore, the dimmer and dimming amplifier can be fed from the same or different phases. This, in turn, simplifies the design and installation of the system.

Note: Both circuits of a two-circuit amplifier must be on the same phase

Filters

Filters provide additional rise-time to reduce lamp filament noise in noisy circuits and help to extend lamp life. They may be used with any VA rated Inductive dimmer.

Filters - Relays

Dimming Amplifiers

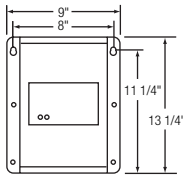
DA10HDFI

DA20HDF120I
DA20HDF277I

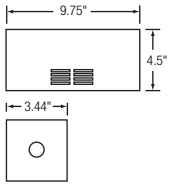
Item Number	Description	Wattage Capacity	Watts/ Chnl.
	Filters and relays		
LMHIFO	High-inductance filter option, two 20-amp toroidal filters to reduce lamp noise		
LMQFO	Quad filter option, four 10-amp toroidal filters to reduce lamp noise		
LMERO	Standby relay option, two pole, UL Listed 1008, optional standby (NEC Article 702 only)		
LMRO277	Relay option class 508, single pole, 120 or 277V*		
LMROFAM277	Relay option, 0-10V LED or Mark 7 Ballast, 277V (used to operate 277V 0-10V fixtures with a 120V "FAM" style 0-10V dimmer) (used to activate a single 20-amp 120 or 277V circuit that is energized by any 120V non-dim output).		
	Dimming amplifiers		
DA2400VAI	Incandescent and Inductive, one circuit	2400VA	2400VA
DA22000VAI	Incandescent and Inductive, two circuit	2000VA	2000VA
DA110QE120I	Trailing Edge LED and Electronic low-voltage, one circuit	1000W	1000W
DA210QE	Trailing Edge LED and Electronic low-voltage, two circuit	1000W	1000W
DA10HDFI	Fluorescent, Philips PowerSpec HDF ballast, one circuit	10 Amps at 120V/277V	
DA20HDF120I	Fluorescent, Philips PowerSpec HDF ballast, one circuit	20 Amps at 120V	
DA20HDF277I	Fluorescent, Philips PowerSpec HDF ballast, one circuit	20 Amps at 277V	
DA2400EBI	Fluorescent, Philips Advance Mark 10 / EssentiaLine Powerline ballast, one circuit, 120V	2400VA	2400VA
DA22000EBI	Fluorescent, Philips Advance Mark 10 / EssentiaLine Powerline ballast, two circuit, 120V	2000VA	2000VA
DA2400EB277I	Fluorescent, Philips Advance Mark 10 / EssentiaLine Powerline ballast, one circuit, 277V	2400VA	2000VA
DA22000EB277I	Fluorescent, Philips Advance Mark 10 / EssentiaLine Powerline ballast, two circuit, 277V	2000VA	2000VA

*Dimming amplifiers are controlled via Philips VA rated dimmers
VA Suffix (Inductive) amplifiers are designed for use with Magnetic Low Voltage Loads

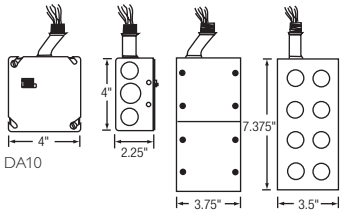
Dimming amplifiers



Filters



Dimming interface



DA10

DA20

MultiSet Pro

Wall mounted dimming system

MultiSet pro dimming systems

MultiSet Pro is a revolutionary lighting control system offering networking between dimmers, switches, and control keypads on a single line voltage conductor. No addressing of devices is required, and programming is fast and simple requiring only a finger. MultiSet Pro systems are designed to be EASY to install . . . EASY to program . . . and EASY to operate.

Easy to install

Simple wiring (3–conductor wire) makes the system fast and easy to install. A single "purple wire" (line voltage) connects the devices within an area. If the purple wire is connected to two or more devices, then those devices are automatically addressed to communicate with each other.

Easy to program

Setting preset lighting is as easy as 1-2-3.
1 – Touch the "Scene" button on master control station.
2 – Adjust each dimmer to your desired lighting level.
3 – Press the small "Set" button on each dimmer.

Easy to operate

Tap the "Scene" button and watch as it illuminates and fades the lighting in the entire room to your desired preset lighting level. Elegant fade rates can be programmed for each dimmer and each scene. MultiSet Pro allows you to program the fade rates from instantaneous to 1 hour.

Features

- Up to 13 preset scenes
- Fade rates: instant to 1 hr.
- Dimming of LED, incandescent, fluorescent, electronic ballast, magnetic transformer, low-voltage, as well as non-dim loads and fans
- Two-way communication: Any dimmer turned from OFF to ON causes the master station button to change from OFF to ON
- Any combination of up to 30 control keypads, dimmers, and switches may be used in a single area.
- Connect up to 12 areas together for Timeclock or Master Facility Keypad control using the MultiSet Pro Brilliance Panel
- All devices retain settings in the event of extended power loss and return to last state when power has been restored

All 600W low profile dimmers (MSP) can be installed into a multi-gang configuration to fully rated load without derating. When ganging MHP dimmers and keypads, specific wall box sizes and/or derating should be taken into consideration. VA Suffix (Inductive) dimmers are also designed for use with Magnetic Low Voltage Loads. MSP Dimmers / Masters shown with Philips Lightolier Controls Compli Screwless Faceplates (ordered separately). MHP Dimmers / Masters are supplied with an individual screwless faceplate.

MultiSet Pro

For lower wattage (available in 7 Colors: W, I, AL, LA, BL, BR, GR) faceplate not included

Ellipse 6-Button Master Control Station

Ellipse 8-Button Master Control Station

Part Number	Description	Color Suffix	Wattage
	Inductive, incandescent and LED leading edge		
MSP600VA	Preset dimmer, 120 V	*	600VA
	Quiet electronic, Trailing edge ELV Halogen and LED		
MSP300QE	Preset dimmer, 120 V	*	300W
	Fluorescent (direct drive dimmer)		
MSP600EB	Preset dimmer, Philips Advance Mark 10 / EssentiaLine *Powerline*	*	600VA
MSP600HDF120	Preset dimmer, Philips PowerSpec HDF	*	600VA
	Non-dim		
MSP600ND	Non dim switch, 120 V	*	600VA
	Remotes/master control stations		
MSP5ES	5-Scene Master, Ellipse Series	*	N/A
MSP5AVES	5-Scene Audio/Visual Master, Ellipse Series	*	N/A
MSP8ES	8-Scene Master, Ellipse Series	*	N/A
MSP8AVES	8-Scene Audio/Visual Master, Ellipse Series	*	N/A
MSCR	3-Way Remote, Classic Series	*	N/A
	Custom engraved master control station keypad - Ellipse Series		
CE6BES	Custom Engraved 6-Button Keypad Membrane	N/A	N/A
CE8BES	Custom Engraved 8-Button Keypad Membrane	N/A	N/A

* Not all colors available for all devices. Consult factory for availability.

MultiSet Pro heatsink dimmers/masters

For higher wattage loads (available in six colors: W, I, AL, BL, BR, GR).
All MultiSet dimmers require a neutral.

Ellipse 6-Button and 8-Button Master Control Stations

Low Profile Dimmer

Heatsink Dimmer

Part Number	Description	Color Suffix	Wattage
	Inductive, incandescent and LED leading edge		
MHP600VA	Preset Dimmer	3 Colors	600VA
MHP1000VA	Preset Dimmer	3 Colors	1000VA
MHP1500VA	Preset Dimmer	3 Colors	1500VA
MHP2000VA	Preset Dimmer	3 Colors	2000VA
	Quiet electronic, Trailing edge ELV Halogen and LED		
MHP500QE	Preset Dimmer	3 Colors	500W
	Fluorescent direct drive dimmer		
MHP600EB	Preset Dimmer, Philips Advance Mark 10 / EssentiaLine *Powerline*	3 Colors	600VA
MHP1000EB	Preset Dimmer, Philips Advance Mark 10 / EssentiaLine *Powerline*	3 Colors	1000VA
MHP600HDF120	Preset Dimmer, Philips PowerSpec HDF	3 Colors	600VA
MHP1500HDF120	Philips Preset Dimmer, PowerSpec HDF	3 Colors	1500VA
	Non-dim		
MHP1000ND	Non Dim Switch	3 Colors	1000VA
MHP2000ND	Non Dim Switch	3 Colors	2000VA

Color code

White	Ivory	Light almond	Almond	Black	Brown	Grey
W	I	LA	AL	BL	BR	GR

MultiSet Pro

Wall mounted dimming system

MultiSet Pro Brilliance II system

Item number	Description	Color Suffix
	MultiSet Pro Brilliance II control center	
BCCII	Brilliance II Control Center Cabinet	
	Digital control center cards	
BRMSM	Room card for MultiSet Pro (one card per room required)	
BRCOMMNS	Timeclock and communication interface card, RS232	
BRRLY	Input/output relay card for simple integration	
	Master control stations	
BM6RES	Ellipse Series 6-button Master (low-voltage control on multiple rooms)	*
BM8RES	Ellipse Series 8-button Master (low-voltage control on multiple rooms)	*
	Custom engraving	
CE6BES	Custom Engraved 6-button Ellipse Series Membrane	N/A
CE8BES	Custom Engraved 8-button Ellipse Series Membrane	N/A
	MultiSet Pro Brilliance II accessories	
CLMIR	Handheld Infrared Transmitter	

BM6RES
Ellipse Series

BM8RES
Ellipse Series

*Not all colors available for all devices. Consult factory for availability.

Brilliance II devices shown with Philips Compli Screwless Faceplates (ordered separately)

MultiSet Pro pre-wired cabinet MHPWDC20

CLMIR

Part Number	Description	Color Suffix	Wattage
	Remotes/master control stations		
MHP5ES	5-Scene Master, Ellipse Series	3 Colors	N/A
MHP5AVES	5-Scene Audio/Visual Master, Ellipse Series	3 Colors	N/A
MHP8ES	8-Scene Master, Ellipse Series	3 Colors	N/A
MHP8AVES	8-Scene Audio/Visual Master, Ellipse Series	3 Colors	N/A
MHCR	3-Way Remote	3 Colors	N/A
	Custom engraved master control station keypad - ellipse series		
CE6BES	Custom Engraved 6-Button Keypad Membrane	N/A	N/A
CE8BES	Custom Engraved 8-Button Keypad Membrane	N/A	N/A
	MultiSet Pro accessories		
MS232	RS232 Serial Interface for simple integration		
CLMIR	Hand held infrared remote for 5-scene keypads		
MHPWDC20	MultiSet Pro, 10 Device, Pre-wired Dimmer Cabinet		
MDC20	MultiSet Pro, 20 Device, Pre-wired Dimmer Cabinet		
MDC56	MultiSet Pro, 56 Device, Pre-wired Dimmer Cabinet		

BCCII - Brilliance II Control Center

MultiSet Pro Brilliance II multi-room lighting control system

The Brilliance II Panel provides networking between up to 12 rooms of MultiSet Pro dimmers, switches, and keypads. Low voltage Master keypads can be used to activate lighting scenes in multiple rooms with the touch of one button. In addition, an astronomical timeclock handles scheduling with ease and simple integration with mechanized shades and audio/visual systems via RS232 or contact closure inputs are both available as options.

Brilliance II master control stations

Every button on each Brilliance II Master Control Station is fully programmable. When used as a room control button, it will turn a room off or on to a desired scene and the button remains illuminated whenever the lights are on within that room. When used as a Master scene button, one simple tap activates multiple rooms to the desired scene or creates a pathway of light. Buttons may also be configured to activate another RS232/485 device for AV integration.

Momentum preset slide dimmers

Clean attractive styling and fine dimmer detailing combine with a vast selection of lamp types and wattages to make Momentum the perfect choice for a wide range of applications.

- Full-range dimming–raise or lower the long-throw slider to achieve the desired light output
- Soft Start turns lights on gently, preserving lamp life
- Red LED guides you to the dimmer's on/off micro-touch switch in a dark space.
- For most architectural light sources, including several fluorescent electronic ballasts
- Multi-location/3-way control with Momentum Preset Remotes
- Captive knob won't pull off

Momentum preset remotes

These designer-style remotes provide multi-location, 3-way on-and-off control of Momentum Preset Slide Dimmers from any number of locations.

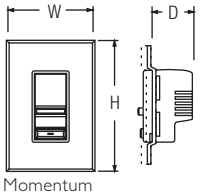
- Turns Momentum Preset Dimmer on to preset and off
- Uses existing 3-way wiring (two conductors)

Momentum matching switches

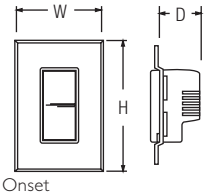
- Ideal for non-dim fixtures, fluorescents or appliances
- Switch is mounted on a matching thin profile heatsink for ganging with other high-wattage devices; faceplate included

Onset/Momentum
Dimensions: (Includes faceplate)

	Width (W)		Height (H)
Depth (D)			
Low profile (260, 300, 600W)	2 3/4"	4 1/2"	1 4/10"
Low profile (425, 1000W)	2 3/4"	4 1/2"	1 4/10"
Heatsink (500, 525, 600, 1000W)	2 3/4"	4 3/4"	1 4/10"
Heatsink (625, 1500, 2000W)	4 1/2"	4 3/4"	1 4/10"



Momentum



Onset

Momentum

Wall mounted preset slide dimmer

Commercial

Momentum low-wattage preset slide dimmers

Momentum Preset 260-1000W

Momentum Preset Remote/ Matching Switch

Item number	Description	Color suffix	Wattage capacity
	Momentum preset slide dimmers (Most available in 7 Colors -W-I-LA-AL-BL-BR-GR) faceplate not included		
ZP600	Incandescent, 120V	*	600W
ZP1000	Incandescent, 120V	*	1000W
ZP600VA	Inductive and incandescent, neutral required, 120V	*	600VA
ZP1000VA	Inductive and incandescent, neutral required, 120V	*	1000VA
ZP260QE	Quiet electronic, Trailing edge ELV Halogen and LED, neutral required	*	260W
ZP425QE	Quiet electronic, Trailing edge ELV Halogen and LED, neutral required	*	425W
	Fluorescent (neutral required)		
ZP600HDF120	Philips PowerSpec HDF Direct Drive Dimmers, 120V	*	600VA
ZP600FAM120	Philips Advance Mark 7/ EssentiaLine *0-10V* Dimmer, 120V	*	600VA
ZP600EB	Philips Advance Mark 10 / EssentiaLine *Powerline* Dimmer, 120V	*	600VA
ZP1000EB	Philips Advance Mark 10 / EssentiaLine *Powerline* Dimmer, 120V	*	1000VA
	Momentum preset remote station		
ZPR3	Multi-Location/3-way	*	N/A
	Fan controls		
ZP5FC	Preset, 5-amp fan control, variable speed	*	5 Amps

Momentum thin profile, high-wattage (heatsink) preset slide dimmers

Momentum Preset 525-1000W

Momentum Preset 625, 1500-2000W

Momentum Preset Remote/ Matching Switch

Item number	Description	Color suffix	Wattage capacity
	Momentum preset slide dimmers (heatsink models) (Most available in 6 colors -W-I-LA-AL-BL-BR-GR) faceplate included		
MP600	Incandescent, 120V	*	600W
MP1000	Incandescent, 120V	*	1000W
MP1500	Incandescent, 120V	*	1500W
MP2000	Incandescent, 120V	*	2000W
MP600VA	Inductive and incandescent, neutral required	*	600VA
MP1000VA	Inductive and incandescent, neutral required	*	1000VA
MP1500VA	Inductive and incandescent, neutral required	*	1500VA
MP2000VA	Inductive and incandescent, neutral required	*	2000VA
MP525QE	Quiet electronic, Trailing edge ELV Halogen and LED, neutral required	*	525W
MP625QE	Quiet electronic, Trailing edge ELV Halogen and LED, neutral required	*	625W
	Fluorescent (neutral required)		
MP1500HDF120	Philips PowerSpec HDF direct drive dimmer, 120V	*	1500VA
MP1500FAM120	Philips Advance Mark 7/ EssentiaLine *0-10V* electronic dimmer, 120V	*	1500VA
MP1500EB	Philips Advance Mark 10 / EssentiaLine *Powerline* dimmer, 120V	*	1500VA
	Momentum multi-location remote station		
MPR3	Multi-Location/3-way	*	N/A
MP10FC	Preset fan control, variable speed	*	10 Amps
	15A matching switches		
MP1P	SPST Switch/faceplate	*	15 Amps
MP3P	SPDT Switch/faceplate	*	15 Amps
	MP faceplates only (replacement)		
SFPM	Single faceplate: 500, 600, 1000W	*	N/A
DFPM	Double faceplate: 625, 1500, 2000W	*	N/A

* Not all colors available for all devices. Consult factory for availability.

Color code

White	Ivory	Light almond	Almond	Black	Brown	Grey
W	I	LA	AL	BL	BR	GR

Vega

Wall mounted slide to off dimmers

Commercial

Vega

Vega Slider Dimmer (Small) S

Vega Slider Dimmer (Large) L

	Item number	Description	Color suffix	Size	Wattage capacity
		Incandescent			
	V600	Incandescent, 120V	-W-I	S	600W
	V1000	Incandescent, 120V	-W-I	S	1000W
	V1500	Incandescent, 120V	-W-I	L	1500W
UL	**V2000**	Incandescent, 120V	-W-I	L	2000W
UL	**V600VAU**	Inductive and incandescent, universal voltage, neutral required	-W-I	S	600VA
UL	**V1000VAU**	Inductive and incandescent, universal voltage, neutral required	-W-I	S	1000VA
UL	**V2000VAU**	Inductive and incandescent, universal voltage, neutral required	-W-I	L	2000VA
	V1000LV	Magnetic low-voltage 2-wire; 120V	-W-I	S	1000VA
UL	**V2000LV**	Magnetic low-voltage 2-wire; 120V	-W-I	L	2000VA
	V500QE	Quiet electronic, Trailing edge ELV Halogen and LED	-W-I	S	500VA
UL	**V2000NDU**	Electronic non-dim switch, universal voltage, neutral required	-W-I	S	2000VA
		Fluorescent (neutral required)			
	V2000HDFU	Philips PowerSpec HDF direct drive dimmer, universal voltage, 120/277V	-W-I	S	2000VA
UL	**V2000FAMU**	Philips Advance Mark 7 / EssentiaLine *0-10V*, universal voltage, 120/277V	-W -I	S	2000VA
	V1500EBU	Philips Advance Mark 10 / EssentiaLine *Powerline* dimmer, universal voltage, 120/277V	-W-I	L	1500VA
		Vega accessories			
	VCKITS	Vega color kit, small, faceplate and slider	-W-I-LA-AL-BL-BR-GR		
	VCKITL	Vega color kit, large, faceplate and slider	-W-I-LA-AL-BL-BR-GR		

Symbol for 120/277 Universal Voltage

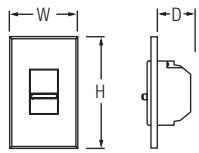
All 600W low profile dimmers can be installed into a multi-gang configuration to fully rated load without derating.

When ganging Vega dimmers, specific wall box sizes and/or derating should be taken into consideration.

VA and LV Suffix (Inductive) dimmers are also designed for use with Magnetic Low Voltage Loads.

Vega dimmers are supplied with an individual screwless faceplate.

Dimensions:	**Width**	**Height**	**Depth**
Heatsink (S=Small)	2.9"	4.5"	1.25"
Heatsink (L=Large)	4.5"	4.5"	1.25"



Vega

Vega slide dimmers

Vega dimmers offer robust design and high-wattage capability in a clean, architectural look. This attractive commercial grade dimmer is capable of dimming up to 2000 watts and controls various types of loads, including incandescent; electronic, low-voltage and trailing edge LED; magnetic, low-voltage and leading edge LED; and fluorescent loads.

- Full-range dimming control
- Non-preset slide down to off
- Heavy-duty construction for long product life
- Captive slider knob won't pull off
- Screwless, thin-profile faceplate included
- Single pole only
- Color kits allow color change in seconds

All 600W low profile dimmers can be installed into a multi-gang configuration to fully rated load without derating.
When ganging Momentum dimmers, specific wall box sizes and/or derating should be taken into consideration.
VA Suffix (Inductive) dimmers are also designed for use with Magnetic Low Voltage.
ZP Dimmers shown with Philips Compli Screwless Faceplates (ordered separately).
MP Devices are supplied with an individual screwless faceplate

Onset

Wall mounted preset digital dimmer

Onset digital preset dimmers

An intuitive, elegant, and powerful fully digital dimmer, Onset is commonly referred to as "the best dimmer on the market."

- Lights can be adjusted to any level without affecting the preset
- Lights elegantly fade on and off, creating ambience while extending lamp life
- True presets, not just the last level in memory
- Informative but subtle LEDs indicate preset, current light level and off status
- Power failure memory–returns to last setting after a power interruption
- Intuitive operation up-on/down-off and press to adjust up or down
- Dimming of eight different load types, including electronic low-voltage, fluorescent, non-dim, and fans
- Fits standard decorator-style faceplates (OS Series)

Onset multi-location remotes

Full-function Onset Remote Stations provide full-range dimming control of Onset Dimmers from multiple locations. They have the same intuitive up-on/down-off operation.

- Glowing red LED at top of Remote guides you to the remote in a dark room
- Can adjust the lighting to the preset setting, off or any light level
- Uses existing 3-way wiring (two conductors)

Onset master control

Onset Mastering offers convenient control of up to four dimmers. It's a mini-system with maximum value.

- Touch an Onset Master to turn all the mastered dimmers on, creating a dramatic preset lighting scene
- A second tap of the Master switch turns all the dimmers to full brightness
- Touch and hold the Master to simultaneously adjust all the dimmers without affecting presets
- Mastered dimmers can still be operated independently.
- Master Remotes control Onset Masters from additional locations

Matching switches

Onset 15 Amp designer-style switches offer on/off switching control of non-dim loads.

All 600W low profile dimmers (OS) can be installed into a multi-gang configuration to fully rated load without derating.

When ganging OH Dimmers, or 1000W OS Dimmers, specific wall box sizes and/or derating should be taken into consideration.

VA Suffix (Inductive) dimmers are also designed for use with Magnetic Low Voltage Loads.

OS Dimmers shown with Philips Controls Compli Screwless Faceplates (ordered separately).

OH Devices are supplied with an individual screwless faceplate.

See page 9.26 for dimmer dimensions.

Onset dimmers

Onset Low-Wattage Dimmer 600W, 1000W

Remote, Master, Master Remote Electronic Switch

Onset High-Wattage Dimmer 600-1000W

Onset High-Wattage Dimmer 1500-2000W

High-Wattage Remote, Master, Master Remote, Electronic Switch

Item number	Description	Color suffix	Wattage capacity
	Onset low-wattage digital preset dimmers (low profile design) (Most available in 7 Colors -W-I-LA-AL-BL-BR-GR)		
OS600	Incandescent, 120V	*	600W
OS1000	Incandescent, 120V	*	1000W
OS600VA	Inductive and incandescent, neutral required, 120V	*	600VA
OS1000VA	Inductive and incandescent, neutral required, 120V	*	1000VA
OS600LV	Magnetic low-voltage, two wire, 120V	*	600VA
OS1000LV	Magnetic low-voltage, two wire, 120V	*	1000VA
OS300QE	Quiet electronic, Trailing edge ELV Halogen and LED, neutral required, 120V	*	300VA
	Fluorescent (neutral required)		
OS600HDF120	Philips Powerspec HDF Direct drive dimmer, 120V	*	600VA
OS600EB	Philips Advance Mark 10 / EssentiaLine *Powerline* dimmer, 120V	*	600VA
OS1000EB	Philips Advance Mark 10 / EssentiaLine *Powerline* dimmer, 120V	*	1000VA
	Multi-location remote		
OSR3	Multi-location/3-way	*	N/A
OSM4	Master (controls up to four onset dimmers)	*	N/A
	Master remote		
OSMR4	For Additional Master Control Locations	*	N/A
	Whispurr fan control		
OSWHIS	3-speed	*	1.5 Amps
	Onset high-wattage digital preset dimmers (heatsink models) (Most available in 6 Colors -W-I-AL-BL-BR-GR and supplied with individual screwless faceplate)		
OH600	Incandescent, 120V	*	600W
OH1000	Incandescent, 120V	*	1000W
OH1500	Incandescent, 120V	*	1500W
OH2000	Incandescent, 120V	*	2000W
OH600VA	Inductive and incandescent, neutral required, 120V	*	600VA
OH1000VA	Inductive and incandescent, neutral required, 120V	*	1000VA
OH1500VA	Inductive and incandescent, neutral required, 120V	*	1500VA
OH2000VA	Inductive and incandescent, neutral required, 120V	*	2000VA
OH500QE	Quiet electronic, Trailing edge ELV Halogen and LED, neutral required, 120V	*	500VA
	Fluorescent (neutral required)		
OH600HDF120	Philips Powerspec HDF Direct drive dimmer, 120V	*	600VA
OH1500HDF120	Philips Powerspec HDF direct drive dimmer, 120V	*	1500VA
OH1500EB	Philips Advance Mark 10 / EssentiaLine *Powerline* dimmer, 120V	*	1500VA
	Multi-location heatsink remote		
OHR3	Multi-location/3-way	*	N/A
	Whispurr fan control		
OHWHIS	3-speed	*	1.5 Amps
	15A Matching switches		
MP1P	SPST switch/faceplate	-W-I	15 Amps
MP3P	SPDT switch/faceplate	-W-I	15 Amps
	OH faceplates only (replacement)		
SFPM	Single faceplate: 500, 600, 1000W	*	N/A
DFPM	Double faceplate: 1500, 2000W	*	N/A

*Not all colors available for all devices. Consult factory for availability.

Color code

White	Ivory	Light almond	Almond	Black	Brown	Grey
W	I	LA	AL	BL	BR	GR

Screwless faceplates

Multi-gang color-coordinated screwless faceplates

Screwless faceplates

Item number	Color suffix	Multi-gang wallbox size	Faceplate width
(Most available in 7 colors; -W-I-LA-AL-BL-BR-GR)			
Compli screwless low profile faceplates			
COMFP1	*	1	2 3/4"
COMFP2	*	2	4 1/2"
COMFP3	*	3	5/16"
COMFP4	*	4	8 1/8"
COMFP5	*	5	10"
COMFP6	*	6	11 3/4"
COMFP7	*	7	13 5/8"

Add suffix (below) to complete part number.
Example: COMFP1AL

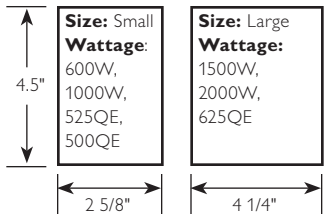
Multi-gang heatsink screwless faceplates			
No fins broken (NFB)			
NFB 2S	*	1+1**	5 7/8"
NFB 2SL	*	3	7 5/8"
NFB 2L	*	4	9 5/16"
NFB 3S	*	4	8 1/2"
NFB 3SSL	*	5	10 1/4"
NFB 3SLL	*	6	12"
NFB 3L	*	6	13 7/8"
NFB 4S	*	4+1**	11 5/16"
NFB 4SSSL	*	6	10 3/8"
NFB 4SSLL	*	7	14 3/4"
NFB 4SLLL	*	8	13"
NFB 4L	*	9	11 1/4"
NFB 5S	*	7	14"
NFB 5SSSSL	*	8	15 3/4"
NFB 5SSSLL	*	9	17 1/2"
NFB 5SSLLL	*	10	19 1/4"
NFB 5L	*	12	22 3/4"
NFB 6S	*	7+1**	12 3/16"
Multi-gang heatsink screwless faceplates			
Fins broken (FB)			
FB 2S	*	2	4 3/4"
FB 2SL	*	3	6 3/4"
FB 3S	*	3	6 1/2"
FB 3SSL	*	4	8 1/2"
FB 3L	*	5	12"
FB 4S	*	4	8 9/16"
FB 4SSSL	*	5	10 1/4"
FB 5S	*	5	10 3/8"
FB 6S	*	6	12 1/2"
FB 7S	*	7	14"
Vega heatsink screwless faceplates			
Available In no fins broken (NFB) only			
VNFB2S	*	1+1**	5 3/4"
VNFB2SL	*	3	7 1/4"
VNFB2L	*	4	9 1/4"
VNFB3S	*	4	8 7/16"
VNFB3SSL	*	5	10 3/16"
VNFB3SLL	*	6	12"
VNFB3L	*	6	13 3/4"

* Not all colors available for all devices. Consult factory for availability.

** When installing an even number of small devices, use wallbox size shown above and space one additional box 3/4" away from the others.

Note: Vega slider knobs are included (Vega Color Kit) with faceplates when ordered in colors AL, BL, BR or GR.

Heatsink sizing chart



Faceplate key
S = Small (Single-Gang)
L = Large (Double-Gang)
FB = Fins Broken
NFB = No Fins Broken
VNFB = Vega

Example: NFB 4 S L W

- NFB: No Fins Broken
- 4: 4 Devices
- S: Small Device
- L: Large Device
- W: Color

* UNV = Universal Vega

Locking metal security covers are available to fit standard 1, 2, and 4-gang installations of Philips Controls dimmers and master and remote keypads. Security covers are fabricated from 16 gauge steel and finished in textured paint. Two keys are provided. All security covers are field paintable.

LB-1G 1-gang
LB-2G 2-gang
LB-4G 4-gang
LB-SM 4 and 8 Channel Lytemode Master
LB-LG 12 and 16 Channel Lytemode Master
LBTST 7" touchscreen locking cover

Color code

White	Ivory	Light almond	Almond	Black	Brown	Grey
W	I	LA	AL	BL	BR	GR

Dream in color

Multi-Gang Compli screwless low profile faceplates

- Compatible with Lytemode, MultiSet Pro, Onset, Momentum, and IntelliSight dimmers and switches
- Sleek, beveled edges
- Snap-on application for most decorator-style, electrical wiring devices, including switches, outlets and Philips dimmers
- Back plate ensures proper alignment of all devices in a multi-gang installation
- Faceplate sizes accommodates up to seven devices

To order Compli faceplates

Match the number of dimmers/devices to the number of openings on the faceplate. When ganging 1000W dimmers, inside fins must be removed. Derating is required.

Multi-gang, heatsink screwless faceplates

(NFB = No Fins Broken)
(FB = Fins Broken)

- Streamlined, one-piece faceplate
- Sleek, beveled edges
- Accommodates ganged, high-wattage dimmer
- For heatsink dimmers (MHP/MP/OH)

Vega Multi-gang heatsink screwless faceplates

- Sleek, beveled edges
- Six different colors
- Easy snap-on application
- Streamlined appearance
- Ensures proper alignment

To order Multi-Gang and Vega Multi-gang faceplates

- Determine the quantity and size (small or large) of all devices in the arrangement.
- Determine if device fins will be broken.
  FB = Fins Broken.
  NFB = No Fins Broken.
  Vega (VNFB) fins are not intended to be broken
- Arrange devices to suit faceplate and note part number. Small devices are always aligned to one side of the faceplate while large devices are on the other side.
- Add color suffix to each faceplate part number.
- See chart above for required multi-gang wallbox size.

LED control technology overview

Layers of light are created by dimming lighting circuits to different levels

Solid state lighting, commonly referred to as LED Lighting, is quickly gaining acceptance as a means of general purpose lighting in addition to its already widely accepted role of task lighting and color changing lighting effects. LED lighting offers many unique advantages over incandescent and fluorescent sources, but also presents many new challenges for control.

As with all lighting sources, layers of light are created by dimming lighting circuits to different levels. LED fixtures respond favorably to dimming and the following performance improvements are realized:

- Increased life
- Reduced energy consumption
- Higher efficacy

LED lighting also presents several new challenges to dimming controls. Light flicker and drop-out, with possible damage to the dimmer or the LED driver are all possible if the fixture and dimmer are not compatible.

The first step in determining if a dimmer is compatible with an LED fixture is to determine which type of control the LED fixture requires. This information should be located on the fixture datasheet.

There are five common types of LED fixture control:

- Leading-edge or forward phase control (FPC)
- Trailing-edge or reverse phase control (RPC)
- 0-10VDC
- DALI (Digital Addressable Lighting)
- DMX512 (or DMX)

LED control technology overview

Leading edge or forward phase control dimming

Most of the 150 million installed dimmers in North America are FPC devices. When retrofitting new LED fixtures with existing dimming equipment it is important to verify the LED fixture will be compatible with a FPC dimmer. Philips FPC dimmers are typically identified as "Incandescent" or "Inductive." Most Philips Inductive dimmers have the suffix "VA" in the part number.

The advantages of FPC dimmers with LED fixtures include a low cost dimmer and compatibility with existing wiring. The primary disadvantages are that FPC dimmers offer the lowest performance- typically resulting in reduced dimming range, and often have a minimum load size that exceeds the rating of a single or very small number of LED fixtures.

Trailing edge or reverse phase control dimming

Reverse phase control dimmers are constructed using a Field Effect Transistor (FET) or Insulated Gate Bipolar Transistor (IGBT) device. These dimmers are typically referred to as "Electronic Low Voltage" dimmers. Philips RPC dimmers have a "QE" suffix in the part number.

RPC dimmers usually offer better dimming range and reduced flickering with LED fixtures compared to FPC dimmers. In addition, RPC dimmers often have smaller minimum load requirements allowing for better performance with single fixtures and very small loads. However, RPC dimmers should only be used with LED Fixtures requiring an RPC or Trailing Edge dimmer.

LED controls options

Regardless of the type of LED control required for the application, Philips Controls offers a range of solutions for general purpose LED lighting, high-performance LED lighting, and theatrical or themed LED color lighting.

0-10VDC control dimming

These dimming devices have two separate circuits in the device- one line voltage circuit that actually switches power to the fixture on and off, and a separate low voltage circuit that provides a reference voltage to communicate the dimming level to the fixture. These dimmers are also commonly referred to as Fluorescent Ballast controls, or more specifically, a Philips Advance Mark 7 ballast control. Philips 0-10V dimmers incorporate "FAM" suffix in the part number.

0-10V dimmers offer the highest dimming range and most consistent performance with large numbers of LED fixtures due to the application of constant power to the LED driver module and the dedicated control wiring. The single disadvantage is the extra pair of wiring conductors required for the low voltage control signal.

DALI (Digital Addressable Lighting)

The Digital Addressable Lighting Interface (DALI) defines a new standard for the digital communication between the individual components of a lighting system. DALI provides simplified communication and installation, yet maximum control and flexibility. Each DALI loop can control up to 64 devices, each of which is individually addressable (unlike analog interface systems which can only be addressed in common). Flexible group control is provided as each DALI loop can support up to sixteen (16) individual groups and ballasts may belong to any or all of the sixteen available groups for unparalleled lighting scene definitions.

Software control allows easy configuration and modification. Dimming specifications can be finalized much later in a project and buildings can be adapted more easily to meet clients' future needs. Lighting designs can be programmed and simulated on a PC for later downloading into the installation. This commissioning method also offers the flexibility of room layout changes without rewiring.

DMX512 control

DMX controls provide a high-speed low-voltage data signal to LED fixtures that are DMX compatible. Typically the LED fixtures will have constant power applied, and the fixtures are simply instructed to turn all LEDs off during an "Off" scene rather than removing power to the fixture. The data is separated into 512 channels- and the intelligent LED fixture receives all 512 channels, determines which channels are applicable to that fixture based upon its DMX "address," and translates the data in those channels into dimming levels for each of the LED colors or attributes. For example, a typical RGB LED fixture will require 3 DMX Channels, with RED residing on channel 1, GREEN on channel 2, and BLUE on channel 3. Data can then be sent to the fixture instructing the Red LEDs to dim to 100%, the Green LEDs to dim to 0%, and the Blue LEDs to dim to 75%- producing a Magenta color output from the fixture.

DMX controls are typically required where color changing LED fixtures are used, or where lighting scenes often change to create a sense of animation or excitement. The primary disadvantages of DMX controls include a specific wiring topology and type, and some level of programming in order to setup basic colors and scenes.

Dimming

The brightest idea in sustainable fluorescent lighting

The ability to control fluorescent lighting by pairing dimming-capable ballasts with occupancy sensors, daylight controls, and building management systems represents an outstanding opportunity for businesses to save on energy costs while providing appropriate levels of light.

Compared to fixed-output T12 and T8 systems, controllable fluorescent technology can reduce lighting operational costs by up to 65%[2] when paired with daylight harvesting and occupancy sensors. Dimming capability also improves the flexibility of the lighting systems to provide task-appropriate illumination in specific situations such as conference rooms, offices, and training centers where greater lighting control is needed (see the chart below).

This technology is also easy to implement on any scale with the wide array of dimmable solutions available — from building-wide integration with daylight and occupancy sensors for automated control of lighting levels to a simple ballast and switch replacement.

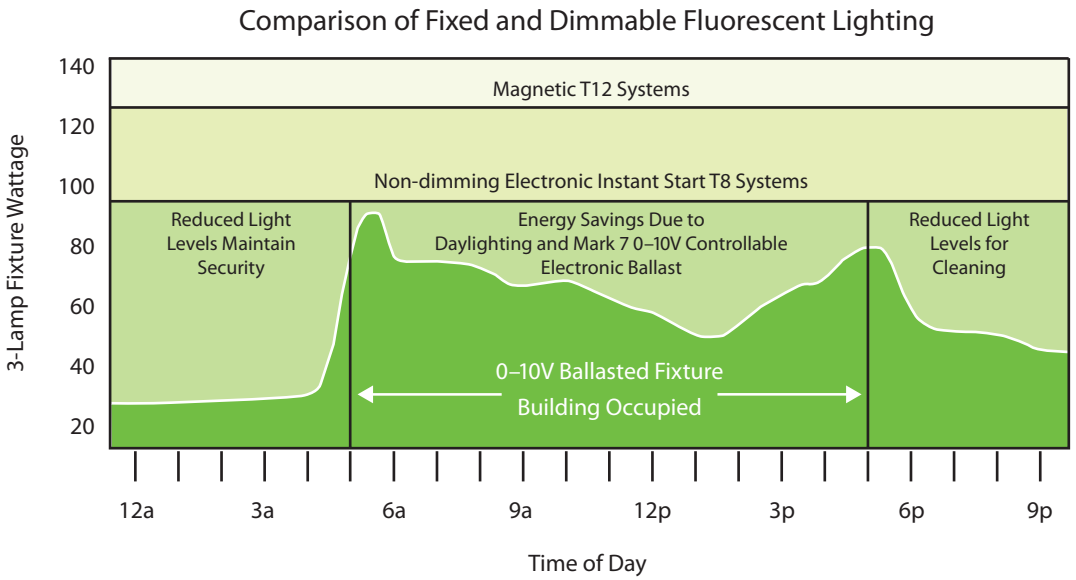
[2]Source: "Energy saving lighting control systems for open-plan offices: A field study," National Research Council Canada, v. 4 no. 1, July 2007 pg. 7-29

In addition, these systems can potentially help companies comply with energy efficiency regulations — such as California's Title 24 — and achieve environmental certification through programs like the US Green Building Council Leadership in Energy and Environmental Design (LEED) rating system.

Philips Advance controllable lighting solutions — The right fit for any application

As a leader in sustainable lighting solutions, we offer a versatile portfolio of dimmable fluorescent ballasts that make incorporating the sustainable benefits of this technology easy. To learn more about Smart Solutions, please visit www.philips.com/advance.

- Mark 10 *Powerline*
- Mark 7 *0–10V*
- ROVR digital addressable ballasts
- PowerSpec HDF
- EssentiaLine



PowerSpec HDF ballasts

Fluorescent dimming

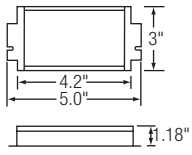
PowerSpec HDF Table

Item number	Lamp qty.	Lamp type	Lamp wattage	System wattage	Dimming range	Voltage
	T4 Compact fluorescent					
HDF226T4	1	CFQ, CFTR	13/18/26/32/42	18/23/30/36/47	100% - 3%	120 - 277
	2	CFQ, CFTR	13/18/26	33/41/55	100% - 3%	120 - 277
HDF242T4	1	CFTR	57/70	65/75	100% - 3%	120 - 277
	2	CFTR	32/42	75/98	100% - 3%	120 - 277
	T8 Lamps					
HDF132T8	1	T8	17/25/32	20/28/35	100% - 3%	120 - 277
HDF232T8	2	T8	17/25/32	36/52/68	100% - 3%	120 - 277
HDF332T8	3	T8	17/25/32	56/79/100	100% - 3%	120 - 277
HDF432T8	4	T8	25/32	96/116	100% - 3%	120 - 277
	T5 Compact fluorescent and linear lamps					
HDF140T5	1	FT5	36(39)/40	44/45	100% - 3%	120 - 277
HDF240T5	2	FT5	36(39)/40	75/76	100% - 3%	120 - 277
HDF128T5	1	T5	14/21/28	20/28/37	100% - 1%	120 - 277
HDF228T5	2	T5	14/21/28	38/54/63	100% - 1%	120 - 277
HDF224T5	1	T5HO	24	30	100% - 1%	120 - 277
	2	T5HO	24	57	100% - 1%	120 - 277
HDF239T5	1	T5HO	39	50	100% - 1%	120 - 277
	2	T5HO	39	87	100% - 1%	120 - 277
HDF154T5	1	T5HO	54	65	100% - 1%	120 - 277
	1	FT5	55	59	100% - 1%	120 - 277
	1	T5 Circ	55	59	100% - 1%	120 - 277
HDF254T5	2	T5HO	54	125	100% - 1%	120 - 277
	2	FT5	55	114	100% - 1%	120 - 277
	2	T5 Circ	55	114	100% - 1%	120 - 277

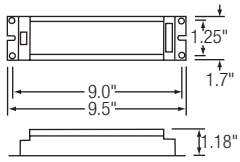
Dimming range dependent on control system

PowerSpec HDF dimensions

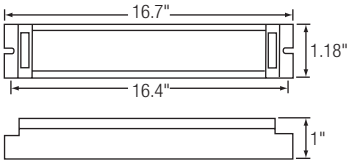
T4, TTT Ballasts



T8 Ballasts



Linear T5



PowerSpec HDF ballasts

PowerSpec HDF ballasts provide high-performance, full-range dimming of linear and compact fluorescent light sources. PowerSpec HDF is ideal for aesthetic and architectural dimming in commercial spaces, as well as sophisticated, energy-oriented applications. PowerSpec HDF smoothly dims linear T5 lamps to 1% of full output, and T8, compact T5, T4, Triple Tube and Quad Tube, and circular T5 fluorescent lamps to 3% of full output.

Reliability

The system consists of the PowerSpec HDF electronic dimming ballast, a dimmer and, in certain applications, an interface–all connected by standard three-conductor, line-voltage wiring. The PowerSpec HDF ballast incorporates a feedback circuit, which monitors lamp performance, continuously correcting the current input and cathode voltage to achieve consistent, flicker-free operation. PowerSpec HDF turns on to any intensity and maximizes lamp life via its programmed start microprocessor. This technology accurately preheats rapid start lamps with a minimal amount of voltage to minimize glow current and its associated degrading effect on lamp life.

Compatible with Philips HDF Controls product families

IntelliSight
MultiSet Pro
Optio
Capio Plus
Momentum
Vega
Onset

Mark 10 *Powerline*

Dimming made easy

For companies looking to make their fixed-output linear T8, 4-pin CFL, and T5 fluorescent systems more cost-effective and sustainable, Mark 10 *Powerline* electronic ballasts provide an easy solution without the need for additional control leads.

Installation is as easy as 1, 2, 3

1. **Replace the ballast — simply wire the Philips Advance Mark 10 *Powerline* ballasts into the existing fixtures (rapid-start sockets are required).**
2. **Replace the switch — the dimming control connects to your existing wiring.**
3. **Dim the lights!**

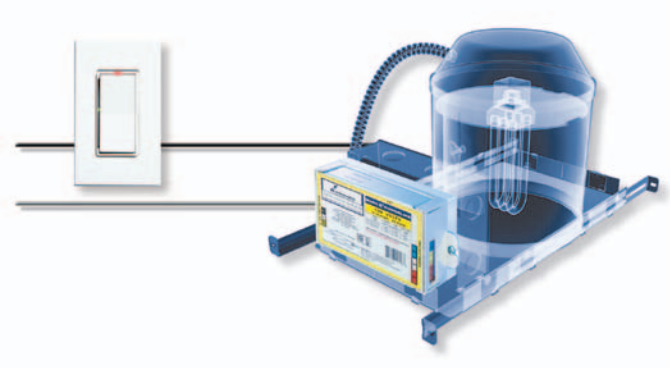
It's that easy to bring the convenience and flexibility of fluorescent dimming to conference rooms, private offices, auditoriums, architectural cove lighting — anywhere dimming is required but control leads are not already installed.

Mark 10 *Powerline* features include

- No control leads for easy installation without additional wiring
- Full-range continuous dimming (100% light output down to 5% — T5 to 1%) supports LEED performance standards
- Lamp ignition at any power level — no need to ramp up to full light before dimming
- Programmed start operation optimizes lamp life in frequent starting conditions
- Operation above 42 kHz minimizes risk of interference with infrared remote control systems and provides continuous, flicker-free dimming

2-Wire dimming

No additional lead wires required



Also available for T8 and T5 applications

Mark 7 *0–10V*

Maximum versatility with 4-wire dimming

The Mark 7 *0–10V* series of dimmable electronic ballasts incorporates separate control leads for use with a wide array of controllers, including occupancy sensors, daylight harvesting controls, and building management systems from more than 30 manufacturers.

When paired with energy-efficient linear T8, 4-pin CFL, or T5 lamps, Mark 7 *0–10V* ballasts optimize the benefits of such popular sustainable lighting techniques as daylight harvesting, occupancy sensors, and load shedding to drive maximum energy cost savings and reduce environmental impact.

Mark 7 *0–10V* features include

- Available in linear T8, 4-pin CFL, and T5 models
- Full-range continuous dimming (100%–5% — T5 to 1%) supports LEED performance standards
- Programmed start operation optimizes lamp life in frequent starting conditions
- IntelliVolt technology allows operation at both 120V and 277V input line voltage, simplifying ordering, installation, and SKU requirements

Also available for T8 and 4-pin CFL applications

EssentiaLine

Improved total cost of ownership

Philips Advance EssentiaLine family of dimming ballasts for T8 lamps provides lower up-front costs while maximizing energy savings.

The EssentiaLine family of dimmable ballasts offers an alternative-feature set ballast for both Powerline and 0-10V dimming systems. It provides a lower up-front cost while achieving similar energy savings as other solutions over the life of the system. These ballasts optimize the benefits of such popular sustainable lighting techniques as daylight harvesting, occupancy sensing and load shedding to satisfy the need for a more affordable and flexible controllable lighting solution.

Meets NEMA premium, CSA energy efficiency requirements and RoHS compliance

- Helps your efforts to create a more sustainable workplace Continuous dimming range from 100% light output down to 20%
- Provides task appropriate lighting, while supporting regulations and performance standards such as LEED Programmed start operation
- Potentially extends lamp life in frequent switching applications such as occupancy sensors and daylight harvesting

ROVR digital addressable ballasts

Intelligent control

Philips Advance ROVR ballasts reflect the latest approach to controlling fluorescent lighting. Rather than simply responding to instructions from control components, ROVR ballasts enable two-way communication, allowing for virtually unlimited design flexibility while creating sustainable lighting systems.

This two-way communication is made possible through the industry-standard digital communication protocol known as DALI (Digital Addressable Lighting Interface). The DALI protocol allows up to 64 individual ballasts/devices to be controlled — in up to 16 groups — on each DALI loop.

The DALI protocol allows ROVR ballasts to

- Provide users with operational data
- Control the output of individual luminaires
- Fully support sustainable design principles such as daylight harvesting and occupancy sensors
- Enable a proactive response to ballast/lamp maintenance issues

ROVR features include

- Full-range continuous dimming (100% light output down to 3% — T5 to 1%) supports LEED performance standards
- Programmed start operation optimizes lamp life in frequent starting conditions
- IntelliVolt technology allows operation at both 120V and 277V input line voltage from 50/60Hz, simplifying ordering, installation, and SKU requirements
- Operation above 42 kHz minimizes risk of interference with infrared remote control systems and provides continuous, flicker-free dimming
- Color-coded, poke-in connectors for CFL, T5, and 4-lamp T8 ensure wiring accuracy and minimize installation time

Energy management overview

A variety of reliable, effective control options based on occupancy and daylight sensing technology combine to create cost saving energy solutions for nearly any setting.

Contents

Occupancy and daylight sensors > 9.42
Wireless occupancy and daylight sensors > 9.43
Classic wired occupancy sensors > 9.44
Services overview > 9.47

Notable code provisions at a glance
(source: http://www.energycodes.gov/)

√ Interior automatic lighting shutoff
(IECC, ASHRAE/IES 90.1, CEC Title 24)

√ Interior space controls
(IECC, ASHRAE/IES 90.1, CEC Title 24)

√ Interior light level reduction control
(IECC, Title 24)

√ Daylight harvesting and multi-zone
control (IECC, CEC Title 24)

√ Task lighting controls (ASHRAE/IES 90.1)

√ Demand Response (CEC Title 24)

√ Exterior lighting control
(IECC, ASHRAE/IES 90.1, CEC Title 24)

√ Display/Accent lighting control
(ASHRAE/IES 90.1, CEC Title 24, IECC)

Benefits of lighting controls in todays buildings

Enhance occupant comfort and productivity

Lighting controls provide solutions that enable occupants to change the light levels to their optimum level of comfort and preference.

- Occupants and tenants spend a large portion of their days in the office, and are demanding better working environments that can spur innovation and boost productivity[7]
- Lighting systems should adapt to occupant needs for team space, open floor plans and offices. Flexible lighting can motivate employees by accommodating varying work styles and business demands.

Reduce energy costs

Lighting controls can reduce lighting energy consumption by 50% in existing buildings, and by at least 35% in new construction[4].

- Based on current global energy consumption, world energy demand is set to increase by 50% before 2030[1]. According to Energy Star[2], electric lighting contributes to around 30% of electricity consumption in a commercial building or tenancy.
- A 50,000 square feet commercial building will spend about $45,000 on lighting energy each year[3]

Be part of a greener future

Efficient lighting (supported by lighting controls) can help contribute multiple points towards Leadership in Energy and Environmental Design (LEED) Certifications[6].

- An increased focus on green buildings has accelerated the drive to achieve best practice environmental and sustainable standards in new and remodel construction projects.
- Voluntary green rating tools and programs in the building environment have achieved a global recognition for change. Such regulators include the US Green Building Council's LEED rating for new construction and existing buildings.

Comply with energy codes

Lighting controls help a building stay within the Lighting Power Allowance prescribed by the applicable energy code.

- Lighting controls enable building owners to qualify for numerous rebates and incentives from local utilities and state/federal energy program administrators[5].

1. Source: (2007) CSIRO and The Natural Edge Project, Energy Transformed: Sustainable Energy Solutions for Climate Change Mitigation, pp 6
2. Source: EnergyStar, ENERGYSTAR Buildings Manual "Lighting", November 25, 2008. http://energystar.gov/ia/business/BUM_lighting.pdf
3. Source: ACEEE - American Council for an Energy Efficient Economy - www.aceee.org/press/op-eds/op-ed5.ht
4. Source: Dilouie, Craig, Lighting Control for Existing Buildings", www.buildings.com, June 2009, www.buildings.com/Magazine/ArticleDetails/tabid/3413/ArticleID/8495/Default.aspx
5. Source: Consortium For Energy Efficiency (CEE) Commercial Lighting Program Summary - - http://www.cee1.org/files/FINALCommercialLightingProgramSummary.xls
6. Source: DiLouie, Craig, "Lighting and LEED", Lighting Control Association , February 2009, www.aboutlightingcontrols.org/education/papers/greendesign.shtml
7. Source: Light Right Consortium. "Research Study on the Effects of Lighting on Office Workers", November 2003, www.lightright.org/results/index.htm (Ref: Figure 2)

IntelliSight

Occupancy sensors and daylight regulation

The Philips IntelliSight range of low-profile occupancy and photo sensors provides tangible energy savings via occupancy sensing and daylight harvesting to prevent unnecessary electricity usage while complying with the energy code requirements of commercial facilities. Using advanced sensing technology, combined with the intelligence to learn and adjust to occupancy patterns, IntelliSight sensors will not only save energy by turning on the lights only when needed, but will minimize disruption to the workspace by ensuring that the lights remain on when the room is occupied.

IntelliSight uses multi-detection technology to deliver extended range and enhanced sensitivity for optimal energy savings. The market is looking for simple solutions to save energy — use IntelliSight sensors to instantly save dollars and reduce energy spend at the facility.

Key features

Wall switch replacement sensor

- Multiple detection technologies providing up to 4000 sq. ft. coverage
- Directly replaces existing wall switches
- Dimming for Light level adjustment
- Universal voltages of 120 and 277 VAC power with single ground connector
- Selectable audible tones to alert occupants prior to shut-off
- Compliant with CEC Title 24 (Manual ON, Auto OFF)

IntelliSight low voltage ceiling sensor

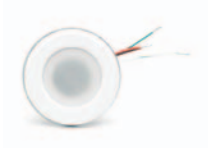
- Standard and High-bay sensing models
- Multiple detection technologies providing up to 2500 sq. ft. coverage
- Intelligent self-adjusting time-out learns occupancy patterns
- Ambient light override (hold-back) – lights will not turn ON when sufficient light levels are detected
- Low-profile, attractive design, aesthetically pleasing on the ceiling
- User-friendly, hand held, infrared programming unit (sold separately) for easy programming without ladders or other tools.

IntelliSight relay and dimming power packs

- 1, 2, and 4 circuit switching packs
- 2 circuit dimming packs supporting 0-10V (Mark 7 and LED) fixtures and HDF ballasts
- Occupancy and Daylight Harvesting applications

IntelliSight networks

The IntelliSight network is a versatile, occupancy sensing system designed to operate as a fully functional single room solution, or provide seamless integration with complementary Philips Controls Lyteswitch, Optio and Capio Plus systems for added energy savings across larger areas and multiple zones spanning the entire facility.



ITSPCS

ITSCS

ITSRP1PU

ITSIR2

Ordering Information

Item	Description	Color Suffix
Wallbox sensors		
ITS2U	IntelliSight Two-Wire Sensor Switch 120/277V	W, LA, I
ITSRB	IntelliSight 3-Way Remote	W, LA, I
ITSDU	IntelliSight VA Rated Dimming Sensor 120/277V	W, LA, I
ITSHDFU	IntelliSight HDF Fluorescent Dimming Sensor 120/277V	W, LA, I
ITSEBU	IntelliSight Philips Advance Mark 10 / EssentiaLine *Powerline* Dimming Sensor 120/277V	W, LA, I
ITSABU	IntelliSight Dual Circuit Sensor Switch 120/277V	W, LA, I
Ceiling sensors		
ITSCS	IntelliSight Low-Voltage Ceiling Occupancy Sensor	
ITSCSHB	IntelliSight High Bay Low-Voltage Ceiling Occupancy Sensor	
ITSPCS	IntelliSight Low-Voltage Ceiling Photocell (Daylighting)	
Relay power packs		
ITSRP1PU	IntelliSight Relay Power Pack, 1 Circuit, 120/277V	
ITSRP2U	IntelliSight Relay Power Pack, 2 Circuit, 120/277V	
ITSRP4U	IntelliSight Relay Power Pack, 4 Circuit, 120/277V	
ITSRPHDF2U	IntelliSight Relay Power Pack, 2 Circuit, HDF Dimming 120/277V	
ITSRPHDF4U	IntelliSight Relay Power Pack, 4 Circuit, w/2 HDF Dimming Circuits 120/277V	
ITSRPFAM2U **ITSRPFAM4U**	IntelliSight Philips Advance Mark 7 / EssentiaLine *0-10V* or LED Dimming Relay Power Pack, 2 Dimming Circuit or 4 Circuit (w/ 2 Dimming) 120/277V	
Accessories		
ITSIR2	IntelliSight Infrared Remote Programming Unit (sold separately)	
ITSMS	IntelliSight Multi-location, Remote Switch for Power Packs	W, LA, I

OccuSwitch Wireless

Wireless occupancy and daylight sensors

OccuSwitch wireless: occupancy sensor with daylight regulation

The Philips OccuSwitch wireless control system is an advanced wireless occupancy sensor system that automatically turns lights off when a workspace is unoccupied, saving energy and creating a more sustainable work environment. The system consists of a wireless ceiling mounted sensor that communicates to one or more wall switches and dimmers. When linked to the Multi-sensor the switch will operate with daylight hold-back and the dimmer will perform daylight harvesting.

With OccuSwitch wireless, saving money on lighting expenses has never been simpler! Make installing or retrofitting your current system—quick, easy and energy-efficient.

Using a combination of passive infrared (PIR) technology and advanced logic for detecting major and minor motion, the sensor recognizes when the room is occupied (or unoccupied) for maximum performance and energy savings. The system adapts to accommodate varying user occupancy patterns with built-in intelligence to automatically adjust the OFF time delay.

The OccuSwitch wireless control system is a unique indoor "link and go" system that is perfect for retrofits and new installations in commercial applications. Uncompromising on style, the functional design allows for easy setup and adjustments to system settings via front accessible buttons and LED indicators.

Installer-friendly features make it easy to test sensor coverage and wireless communication. The system can very easily be setup to support switches installed in multi-gang or multi-way configurations to flexibly handle a variety of field applications.

Key features

- **Easy-to-install retrofit:** Wireless controls means no sensor wiring or separate ceiling-mounted power packs, so installation is easy. Sensor coverage can be reassigned for optimal coverage in minutes without rewiring.
- **Advance occupancy sensing:** The sensor will automatically adjust the sensitivity based on the level of activity for major and minor motion. This optimizes energy savings and helps preserve lamp life.
- **Sleek low profile design:** Stylish low-profile design easily blends into any professional setting. There are no bulky components.
- **Intelligent OFF delay timer:** Optimizes system performance for various applications by adjusting to the occupancy behavior. After the initial setting, the switch-off time delay is automatically adjusted based on the user's occupancy pattern.
- **Built-in retractable shield:** During installation the retractable sensor shield can be rotated to partially mask the sensor's field of view and prevent unwanted movement detection.
- **Expandable coverage:** To handle various application needs, the system is flexibly designed to support a wireless network of multiple sensors, switches and dimmers (in any combination).
- **10 year battery lifespan design:** Provides worry free maintenance, just install and leave for long lasting performance.
- **Manual-ON/auto-OFF:** Compliant with applicable California Title 24 energy efficiency code.

Delivering the performance today's marketplace demands

Facilities across the country are looking more closely than ever at ways to conserve energy, meet increasing "green" standards, and save money. Philips OccuSwitch Wireless control system is the ideal solution! This simple retrofit can help you start saving energy immediately and help to meet federal, state and local environmental regulations.

OccuSwitch Wireless can be easily installed in a variety of applications throughout your facility—with no wires to pull for hassle-free installation.

Ordering information

Part number	Description	Color
LRA1721/00	OccuSwitch Wireless Switch, 120/277V	White
LRA1721/01	OccuSwitch Wireless Switch, 120/277V	Almond
LRD1730/00	OccuSwitch Wireless Dimmer, 120/277V	White
LRD1730/01	OccuSwitch Wireless Dimmer, 120/277V	Almond
LRM1743/00	OccuSwitch Wireless Occupancy Sensor	—
LRM1760/00	OccuSwitch Wireless Multi Sensor	—

LRM1743
Wireless Occupancy Sensor

LRM1760
Wireless Multi Sensor

LRD1730
Wireless Dimmer

LRA1721
Wireless Switch

OccuSwitch

Classic wired occupancy sensors

OccuSwitch classic wall switch and low voltage occupancy sensors. The Philips OccuSwitch classic line of devices is a complete portfolio of wired occupancy sensors. The wide selection includes solutions for nearly every application. To maximize energy savings and improve the working environment, Philips offers the classic product to meet the basic needs for lighting control and energy conservation.

Sensor technology

- PIR—Passive infrared
- Multi–Technology (PIR and Ultra-Sonic)

Sensor types

- Wall Switch Replacement for small areas
- Low Voltage Ceiling and Wall Sensors with remote Power Pack for large areas
- Self-Powered sensors for High-Bay spaces

Applications

- Educational facilities
- Commercial buildings
- Industrial operations
- Health care
- Retail

LRS2225/00

LRM2255/00

LRM2265/00

LCA2285/00

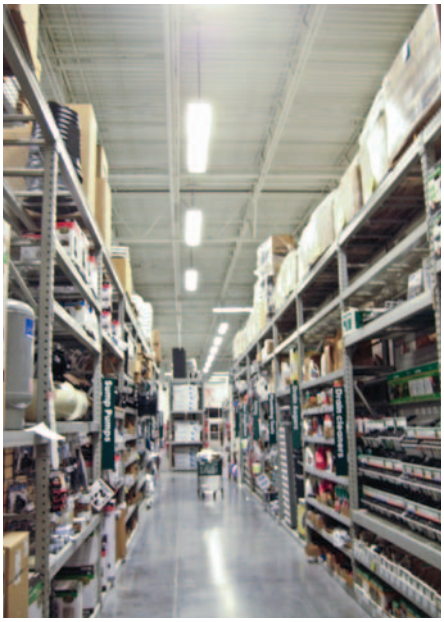
Order number	Description	Voltage
Wall switch devices		
LRS2210/00	Wall Switch Sensor - PIR, Single Switch, White	120/277 VAC
LRS2210/01	Wall Switch Sensor - PIR, Single Switch, Ivory	120/277 VAC
LRS2215/00	Wall Switch Sensor - PIR, Dual Switch, White	120/277 VAC
LRS2215/01	Wall Switch Sensor - PIR, Dual Switch, Ivory	120/277 VAC
LRS2220/00	Wall Switch Sensor - Multi-tech, Single Switch, White	120/277 VAC
LRS2220/01	Wall Switch Sensor - Multi-tech, Single Switch, Ivory	120/277 VAC
LRS2225/00	Wall Switch Sensor - Multi-tech, Dual Switch, White	120/277 VAC
LRS2225/01	Wall Switch Sensor - Multi-tech, Dual Switch, Ivory	120/277 VAC
LRS2230/00	Wall Switch Sensor - PIR Single Night Light, White	120/277 VAC
LRS2230/01	Wall Switch Sensor - PIR Single Night Light, Ivory	120/277 VAC
Low voltage sensors		
LRM2250/00	PIR - Ceiling Mount, Low voltage, 1500 sq.ft.	24 VDC
LRM2255/00	Multi-tech - Ceiling Mount, Low voltage, 2000 sq.ft.	24 VDC
LRM2260/00	Multi-tech - Ceiling Mount, Low voltage, 500 sq.ft.	24 VDC
LRM2265/00	Multi-tech - Wall Mount, Low voltage, 1200 sq.ft.	24 VDC
LRM2270/00	PIR - Wall Mount, Low Voltage, 2500 sq.ft.	24 VDC
LRM2275/00	PIR - Wall Mount, Low Voltage, High-Bay 55'x7'	24 VDC
LRM2280/00	PIR - Wall Mount, Low Voltage, Long Range 100'x14'	24 VDC
Power relay packs		
LCA2285/00	PowerPack - 120-230-277 volt	120 - 277 VAC
LCA2287/00	PowerPack - 120-230-277 volt, with HVAC Dry Contacts	120 - 277 VAC
LCA2290/00	PowerPack - 347 volt	347 VAC
LCA2292/00	PowerPack - 120-230-277 volt, Manual-ON, Auto-OFF, Title 24	120 - 277 VAC

OccuSwitch

Classic wired occupancy sensors

OccuSwitch classic line voltage sensors install in hard ceilings and other locations where line voltage is available.

Order number	Description	Voltage
Line voltage sensors		
LRS2235/00	Line voltage - PIR High-Bay	120-347 VAC
LRS2237/00	Line voltage - PIR High-Bay	480 VAC
LRM2240/00	Line voltage - Ceiling Mount, 530 sq.ft.	120 VAC
LRM2245/00	Line voltage - Ceiling Mount, 530 sq.ft.	277 VAC
High-bay, line voltage occupancy sensors		
LRM2330/00	Fixture Mount, High-Bay, 360° PIR, Self Contained	120-277 VAC
LRM2335/00	Fixture Mount, High-Bay, 360° PIR, Self Contained	347 VAC
LRM2340/00	Fixture Mount, High-Bay, 360° PIR, Self Contained, Photo Cell, Low Temp	120-277 VAC
LRM2345/00	Fixture Mount, High-Bay, 360° PIR, Self Contained, Photo Cell, Low Temp	347 VAC
LRM2348/00	Fixture Mount, High-Bay, 360° PIR, Self Contained	480 VAC
LRM2350/00	Fixture Mount, High-Bay, Aisle Focus PIR, Self Contained	120-277 VAC
LRM2355/00	Fixture Mount, High-Bay, Aisle Focus PIR, Self Contained	347 VAC
LRM2360/00	Fixture Mount, High-Bay, Aisle Focus PIR, Self Contained, Photo Cell, Low Temp	120-277 VAC
LRM2365/00	Fixture Mount, High-Bay, Aisle Focus PIR, Self Contained, Photo Cell, Low Temp	347 VAC
LRM2370/00	Fixture Mount, High-Bay, Aisle Focus PIR, Self Contained	480 VAC
LRM2375/00	Sensor mounting bracket	
Dimmer power extenders		
LCU2420/00	Incandescent Dimmer Power Extender	120 VAC
LCU2425/00	Mark 10 Dimmer Power Extender	120 VAC
LCU2430/00	Mark 10 Dimmer Power Extender	277 VAC
LCU2435/00	Mark 7 Dimmer Converter	120/277 VAC
Time control relay panels		
LRC2410/00	8 Relay Stand-alone time clock panel with BACNET	120/277 volt
LRC2415/00	Conversion kit for 2 pole 208 or 277 volt	120/277 volt



LRS2240/00

OccuSwitch classic high-bay sensors include fixture mount wide area and aisle coverage in single pole and two pole configurations up to 480 volt.

LRS2235/00

Philips dimmer power extenders convert standard low wattage dimmers to high power controls for large dimming loads.

LCU2420/00

Philips time control relay panels include 8—20 amp single pole relays with 8 low voltage override switch inputs plus analog photo cell input and full function astronomic clock/calendar. Low voltage relays are easy to group and program for time controls and manual override. Ideal for all time based applications including common areas, parking and site lighting.

Services Overview

At Philips Controls, we take pride in being selected by our clients for our ability to provide the highest level of engineering, sales and warranty support that Philips customers have come to expect worldwide. Rest assured, with Philips Controls, we are committed to working with all stakeholders on the design team to manage any project by offering best-in-class expert service capabilities.

Global reach

Our world-wide network of seasoned local sales professionals is vital to ensuring customer success by providing responsive attention; they have direct responsibility for client relationships and after-sales support. The local sales organizations are actively supported by our Control Application Groups (CAGs) and our Global Centers of Excellence.

The CAGs operate across all regions and include offices in Europe, the Middle East, South Asia, North Asia, Oceania, and North America. They provide specification support for international projects adhering to country specific regulations while responding locally for design and documentation.

Our Global Centers of Excellence drive ongoing innovation and will manage projects of very high complexity and customization.

Commissioning

Whichever lighting control solution is ultimately chosen for each project we design, our task does not end with the specification, or even installation, of the lighting controls hardware. At Philips Controls, we ensure that our systems are properly commissioned and operational before occupancy.

Our worldwide network of factory-trained and highly qualified service personnel carry out the systematic process of ensuring that all building systems perform interactively according to the control design intent and the owner's operational needs.

We ensure that the controls we have specified function optimally in order to provide our clients with the best possible value, ensuring Sense and Simplicity to all end users. No job is complete without explaining and demonstrating the system functions to the owner for signoff completion to specification.

Systems maintenance

When a facility has been occupied for duration there will invariably be changes required to accommodate occupant comfort or changes in building use.

Philips Controls technical support is available at (800) 526-2731 to answer any questions on product or installation that may arise. In the event changes are required, from simple modifications to current settings, to provision of additional equipment to further enhance the system, Philips technical support can bring in the design or installation resources necessary to service the request efficiently. Additionally, we offer remote diagnostic and monitoring capabilities to assess and trouble shoot as needed without disrupting the building usage and occupancy.

We can also implement a specific program of periodic assessments on the control system within the initial years of occupancy to ensure all targeted outcomes in relation to energy management and occupant comfort have been met. Additional services offered, take into account adjustments to the overall control strategy to accommodate changes in tenancy usage and office churn, fine tuning of parameters to assist in building maintenance and continued education of end users and facility maintenance staff.

Training

To build awareness in the marketplace with increased numbers of lighting controls experts, we regularly conduct training seminars in a number of locations worldwide. Our comprehensive program is offered as a range of separate modules, allowing all involved stakeholders to acquire the specialist skills most relevant to their field.

With significant investment in a professional and dedicated training organization, our channel partners undergo extensive factory training and are familiar with all aspects of system configuration and operation.

Building maintenance staffs are properly trained by Philips Controls to ensure familiarity with all elements of the control system – from simple adjustments to light levels to scheduling energy management and maintenance reports. Similarly, end users of the facility are trained on the operation of the control system, ensuring comfort with the user interfaces including personal controls.

Services Overview

System design

As part of our full-service offering, Philips Controls can provide design assistance and support tools, including a comprehensive library of CAD objects for use in system drawings. Our lighting controls design experts can work hand-in-hand with specifying engineers and consultants to evaluate and apply the most suitable control strategies by application to meet the design intent of the facility.

Our team can help you comply with energy code compliance requirements (ASHRAE/IES, IECC, CEC Title 24 or state/local derivatives) and Green building practices (for e.g. LEED) by designing the most optimal lighting control solutions for the project.

Project support

Prior to project start-up, our experienced team can work with all parties involved with the project to setup initial training, building walk-throughs, audits and payback analysis with supporting product demonstrations or mock-ups to establish the confidence you need to underpin client performance expectations upfront.

We understand that time is money and that mistakes on-site can be costly. That's why we offer complete project support to coordinate material and installation activities, manage submittals of project documentation, and arrange start-up and commissioning to meet project timeline and budget.

Our teams can coordinate pre-commissioning site visits, to ensure system wiring and equipment installation is complete and correct, avoiding expensive reworks and delays. We will also liaise with third-party vendors, in projects where integration between systems is required, to guarantee that things flow smoothly.

Philips Controls can provide design assistance and support tools

By partnering with the industry leader in lighting systems and controls, Philips customers naturally demand a comprehensive approach to the delivery of their projects; they want a better business result using our solutions. As Philips Controls, we are ideally equipped to respond to the challenges of a dynamic market by organizing around customer needs first and foremost.

The most important aspect of our commitment to delivering a high level of service is single point of accountability. When projects bring together complex integration challenges, high levels of customization, and ambitious site commissioning timelines, a single line of accountability is an indispensable building block of our success.

To have a single company like Philips with highly developed project management skills, world leading technology, and a commitment to innovation, is a major market differentiator and highlights our capacity to bring together the elements of our value proposition; to deliver outstanding results for our customers.

Our projects succeed because the key elements of open architecture, scalability, flexibility, systems integration and accountability, come together to deliver true excellence.

Our breadth of expertise in lighting and lighting controls applications ensure that we de-mystify the complexity from your project life-cycle no matter what stage it's at with skilled support from the initial stages of system design, to the occupancy of the facility as well as subsequent maintenance, expansion or renovation of the building based upon tenancy needs.

Industrial lighting

Section 10

РЕГИСТ
REGIST

Classic interior luminaires delivering style, performance and reliability.

ExceLine is a full line manufacturer of architectural interior luminaires for the commercial, institutional, industrial and retail markets. Our quality-crafted products are specified whenever performance reliability and appearance are paramount. ExceLine is recognized as a leader in the manufacturing of specification-grade light fixtures and supports their products with a 5-year limited warranty.

All ExceLine luminaires are designed and engineered with sustainability in mind. Source options include LED, long-life fluorescent/ballast combinations, induction and high efficiency HID. Our advancements in optical efficiency now deliver better quality illumination along with a considerable reduction in energy consumption.

Signature styles include the versatile Kaleidoshade2 decorative RLM luminaires, Indirector architectural wall sconce, and Revolution decorative high bay for retail applications. Also available is a family of traditional high bays including the stylish Architectural series. Complementing fluorescent fixtures include the SmarT-Bay sensor-controlled high bay that maximizes lamp life, the IP65-rated WeT-Bay and the FluorLyter series of 4 and 6 light T8 high bays.

Contents

Architectural decorative > 10.2
Indirect > 10.12
Commercial/retail > 10.16
Industrial > 10.34
Accessories and options > 10.74

ExceLine

Architectural decorative

Distinguished by their performance, style and quality, ExceLine luminaires provide a full range of indoor lighting solutions for commercial, retail and industrial markets.

Our products include

- Architectural decorative luminaires
- Indirect indoor luminaires
- Commercial/retail luminaires
- Industrial luminaires

ExceLine also offers the latest in energy-efficient, high-performance lighting systems for nearly all indoor applications:

- Induction
- LED
- Pulse start metal halide
- eHID

Web-driven design and spec solutions ExceLine fixtures are complemented by comprehensive electronic tools on www.Exceline.com for products such as our Kaleidoshade2 and Revolution product families:

- Product, installation and spec information
- QuiKalc luminaire estimator
- Part number builder
- Sales rep locator
- Product configurators

Kaleidoshade2
Architectural decorative
linear fluorescent lighting

Revolution
Architectural LED

BayLyter
Energy-efficient
induction systems

Kaleidoshade2
Luminaire configurator

QuiKalc
Luminaire quantity estimator

KaleidoShade2

Architectural decorative

Ideal for restaurants, taverns or nightclubs, food courts, atriums or plazas, malls, retail outlets, stores, athletic clubs and facilities, theaters, arenas, stadiums and amusement parks.

14 Shade shapes to choose from

1A
Mini angle shade

1O
Mini glass shade

2A
Shallow angle

2E
Deep angle

2C
Shallow conical

2F / 3F
Shallow fluted

2L / 3L
Shallow dome

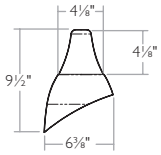
2D / 3D
Deep dome

2B / 3B
Deep bowl

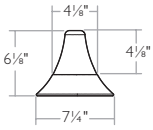
3U
Uplight deep bowl

Shade dimensions

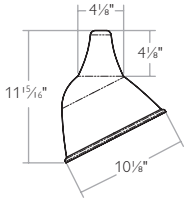
1A



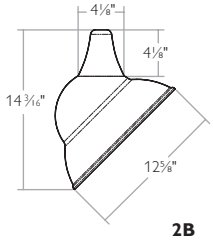
1O



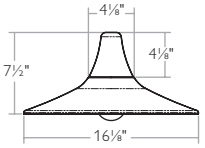
2A



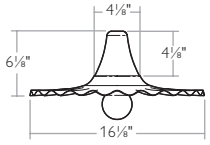
2E



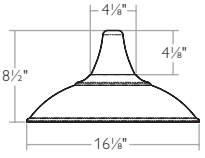
2C



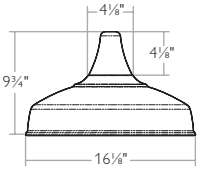
2F



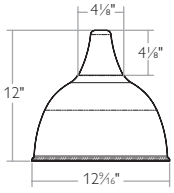
2L



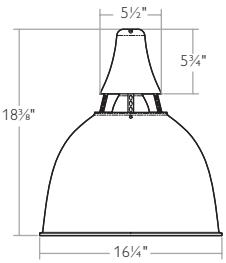
2D



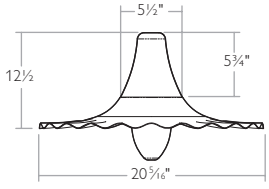
2B



3U



3F



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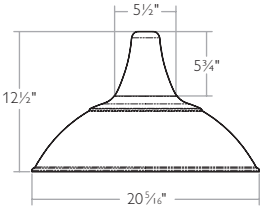

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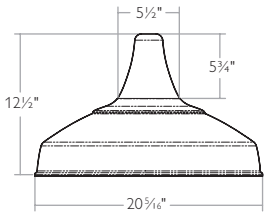

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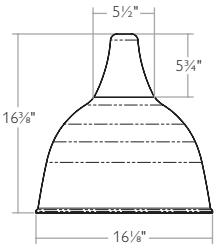


KaleidoShade2 wall/post-top

Architectural decorative

Ideal for restaurants, taverns or nightclubs, food courts, atriums or plazas, malls, retail outlets, stores, athletic clubs and facilities, theaters, arenas, stadiums and amusement parks.

Features

Construction: Spun aluminum shade standard. Precision die-cast aluminum electrical cap. Shade attaches to cap via keyhole slots. Cap locks into place using set screw. Two-piece shade/cap assembly attaches to pipe. Corrosion-resistant Duraplex II polyester powder-coated finish. Optional ExceLine designer finishes available (consult factory).

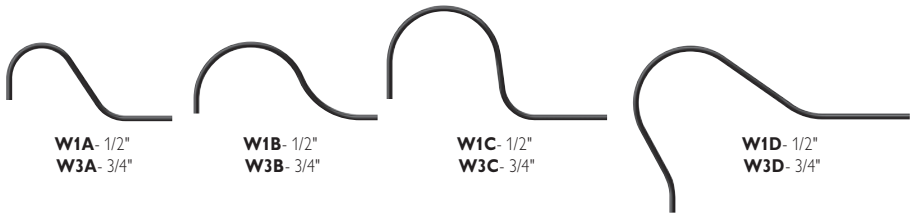
Electrical: Remote or surface ballast mounting options. Most fixtures furnished with 96" leads.

Optics: Corrosion-resistant Duraplex II white polyester powder-coated reflector finish standard. Reflector inside is painted white as standard. Metallic Textured finishes are painted the same inside and out.

Mounting: ½" or ¾" NPS aluminum stem/goosenecks are schedule 40. Cast aluminum wall plate/ballast box (optional).

Listings/warranty: ETL listed for wet locations. 5 year limited warranty.

Arm shapes



W1A- 1/2"
W3A- 3/4"

W1B- 1/2"
W3B- 3/4"

W1C- 1/2"
W3C- 3/4"

W1D- 1/2"
W3D- 3/4"

W1E- 1/2"
W3E- 3/4"

W3F- 3/4"
(Post-Top)

W3G- 3/4"
(Post-Top)

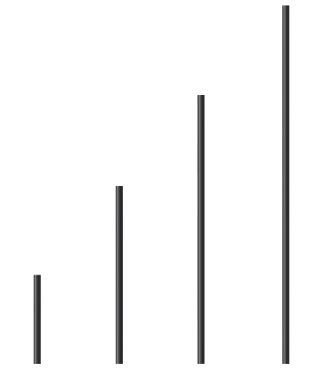
Series	Ballast	Mounting	Wattage*	Source	Color	Color combination	Voltage	Options
1A- Mini Angle **2A**- Shallow Angle **2L**- Shallow Dome **2F**- Shallow Fluted **2C**- Shallow Conical **2E**- Deep Angle **2D**- Deep Dome **2B**- Deep Bowl **3L**- Shallow Dome **3F**- Shallow Fluted **3D**- Deep Dome **3B**- Deep Bowl **3U**- Uplight Deep Bowl (3U for indoor use only)	**R**- Remote **S**- Surface	**W1A**- Wall 1/2" Stem Style GNW1A **W1B**- Wall 1/2" Stem Style GNW1B **W1C**- Wall 1/2" Stem Style GNW1C **W1E**- Wall 1/2" Stem Style GNW1E **W3A**- Wall 3/4" Stem Style GNW3A **W3B**- Wall 3/4" Stem Style GNW3B **W3C**- Wall 3/4" Stem Style GNW3C **W3D**- Wall 3/4" Stem Style GNW3D **W3E**- Wall 3/4" Stem Style GNW3E **SWF**- 3/4" STEM ADAPTER w/ GNP3F **SWG**- 3/4" STEM ADAPTER w/ GNP3G **PF1**= Post Top (1 FIXT w/ GNP3F) **PF2**= Post Top (2 @ 90 w/ GNP3F) **PF3**= Post Top (3 @ 90 w/ GNP3F) **PF4**= Post Top (4 @ 90 w/ GNP3F) **PF5**= Post Top (2 @ 180 w/ GNP3F) **PG1**= Post Top (1 FIXT w/ GNP3G) **PG2**= Post Top (2 @ 90 w/ GNP3G) **PG3**= Post Top (3 @ 90 w/ GNP3G) **PG4**= Post Top (4 @ 90 w/ GNP3G) **PG5**= Post Top (2 @ 180 w/ GNP3G) Post top fixtures are incandescent only.	**050** (2, 3) **070** (2, 3) **100** (2, 3) **150** (2, 3) **050** (2, 3) **070** (2, 3) **100** (2, 3) **150** (2, 3) **175** (2, 3) **075** (1, 2, 3) **100** (2, 3) **200** (2, 3) **300** (3) **026** (2, 3) **032** (2, 3) **042** (2, 3) **060** (3) **085** (3) **060** (1) **020** (1) **039** (1)	**P**- Electronic Pulse Start Metal Halide **M**- Magnetic Pulse Start Metal Halide (Remote only) **I**- Incandescent (use w/ 6" plate only) **H**- Electronic Compact Fluorescent (not for use w/any cord mounting units) **Q**- Halogen (Mini only, w max.) **T**- Electronic Pulse Start T4 (Mini only)	**WG**- Wrinkle Green **WB**- Wrinkle Black **WW**- Wrinkle White **WP**- Wrinkle Bronze **FB**- Flat Black **FP**- Flat Bronze **GG**- High Gloss Green **GB**- High Gloss Black **GW**- High Gloss White **GY**- High Gloss Yellow **GU**- High Gloss Blue **GR**- High Gloss Red **MC**- Metallic Copper **MS**- Metallic Silver **TS**- Textured Silver	**Pipe** **Q** - Combo SCPM **T**- Combo S-CPM **U**- Combo SC-PM **V**- Combo SCP-M **W**- Combo SP-CM **X**- Combo SPM-C **Y**- Combo SM-CP **Z**- Combo SMC-P	**1**- 120 **8**- 120-277	**G**- Vaportite Globe® **T**- Thru-wire **P**- Photo Control **B**- G & T options combined **C**- G & P options combined **D**- T & P options combined **E**- G & T & P options combined (Note: "T" only with the ballast box and not for use with INC fixtures) Globes not available with any angled shades. Medium shades have 100w max for INC and large shades have 200w max for INC. Also, 42w CFL cannot use globe.
1O- Mini Glass Shade Note: 1O only comes In Opal White and with ½" arms.	**R**- Remote **S**- Surface	**W1A**- Wall 1/2" Stem Style GNW1A **W1B**- Wall 1/2" Stem Style GNW1B **W1C**- Wall 1/2" Stem Style GNW1C **W1E**- Wall 1/2" Stem Style GNW1E	**075** (1) **060** (1) **020** (1) **039** (1) (1)=Mini (2)=Medium (3)=Large * Number adjacent to wattage indicates the number/size of the series available in that wattage.	**I**- Incandescent **Q**- Halogen (Mini only, 60w max.) **T**- Electronic Pulse Start T4 (Mini only)	**WG**- Wrinkle Green **WB**- Wrinkle Black **WW**- Wrinkle White **WP**- Wrinkle Bronze **FB**- Flat Black **FP**- Flat Bronze **GG**- High Gloss Green **GB**- High Gloss Black **GW**- High Gloss White **GY**- High Gloss Yellow **GU**- High Gloss Blue **GR**- High Gloss Red **MC**- Metallic Copper **MS**- Metallic Silver **TS**- Textured Silver	**Pipe** **Q** - Combo CPM **U**- Combo C-PM **V**- Combo CP-M **W**- Combo P-CM **Cord** Color 1 - cap Color 2 - mounting	**1**- 120 **8**- 120-277	**T**- Thru-wire **P**- Photo Control **D**- T & P options Combined Note: "T" only with the ballast box

KaleidoShade2 ceiling mount

Architectural decorative

Ideal for restaurants, taverns or nightclubs, food courts, atriums or plazas, malls, retail outlets, stores, athletic clubs and facilities, theaters, arenas, stadiums and amusement parks.

Pendants



C11- 1/2" **C12**- 1/2" **C13**- 1/2" **C14**- 1/2"
C31- 3/4" **C32**- 3/4" **C33**- 3/4" **C34**- 3/4"

Cords

CC5
Coil and Cord

SC5 / SC0
Straight Cord

SA5 / SA0
Straight Cord & Cable

Features

Construction: Spun aluminum shade standard. Precision die-cast aluminum electrical cap. Shade attaches to cap via keyhole slots. Cap locks into place using set screw. Two-piece shade/cap assembly attaches to cord or pipe. Corrosion-resistant Duraplex II polyester powder-coated finish. Optional ExceLine designer finishes available (consult factory).

Electrical: Remote or surface ballast mounting options. Most fixtures furnished with 96" leads.

Optics: Corrosion-resistant Duraplex II white polyester powder-coated reflector finish standard. Reflector inside is painted white as standard. Metallic Textured finishes are painted the same inside and out.

Mounting: ½" or ¾" NPS aluminum stem/goosenecks are schedule 40. Die cast aluminum wall plate/ballast box (optional). White cord 18/3 SJTOW straight or coil (optional).

Listings/warranty: ETL listed for wet locations. 5 year limited warranty.

Series	Ballast	Mounting	Wattage*	Source	Color	Color combination	Voltage	Options
2L- Shallow Dome **2F**- Shallow Fluted **2C**- Shallow Conical **2D**- Deep Dome **2B**- Deep Bowl **3L**- Shallow Dome **3F**- Shallow Fluted **3D**- Deep Dome **3B**- Deep Bowl **3U**- Uplight Deep Bowl (3U for indoor use only)	**R**- Remote **S**- Surface	**C11**- Ceiling 1/2" 1 ft Stem Style GNC11 **C12**- Ceiling 1/2" 2 ft Stem Style GNC12 **C13**- Ceiling 1/2" 3 ft Stem Style GNC13 **C14**- Ceiling 1/2" 4 ft Stem Style GNC14 **C31**- Ceiling 3/4" 1 ft Stem Style GNC31 **C32**- Ceiling 3/4" 2 ft Stem Style GNC32 **C33**- Ceiling 3/4" 3 ft Stem Style GNC33 **C34**- Ceiling 3/4" 4 ft Stem Style GNC34 **SC5**- Straight Cord 5 ft **SC0**- Straight Cord 10 ft **SA5**- Straight Cord w/ aircraft 5 ft **SA0**- Straight Cord w/ aircraft 10 ft **CC5**- Coil + Cord 5 ft **CW5**- Cord Wet Location 5 ft	**050** (2, 3) **070** (2, 3) **100** (2, 3) **150** (2, 3) **050** (2, 3) **070** (2, 3) **100** (2, 3) **150** (2, 3) **175** (2, 3) **075** (1, 2, 3) **100** (2, 3) **200** (2, 3) **300** (3) **026** (2, 3) **032** (2, 3) **042** (2, 3) **060** (3) **085** (3) **060** (1) **020** (1) **039** (1)	**P**- Electronic Pulse Start Metal Halide **M**- Magnetic Pulse Start Metal Halide (Remote only) **I**- Incandescent (use w/ 6" plate only) **H**- Electronic Compact Fluorescent (not for use w/any cord mounting units) **Q**- Halogen (Mini only, w max.) **T**- Electronic Pulse Start T4 (Mini only)	**WG**- Wrinkle Green **WB**- Wrinkle Black **WW**- Wrinkle White **WP**- Wrinkle Bronze **FB**- Flat Black **FP**- Flat Bronze **GG**- High Gloss Green **GB**- High Gloss Black **GW**- High Gloss White **GY**- High Gloss Yellow **GU**- High Gloss Blue **GR**- High Gloss Red **MC**- Metallic Copper **MS**- Metallic Silver **TS**- Textured Silver	**Q** - Combo SCPM **T**- Combo S-CPM **U**- Combo SC-PM **V**- Combo SCP-M **W**- Combo SP-CM **X**- Combo SPM-C **Y**- Combo SM-CP **Z**- Combo SMC-P **Cord** **Q** - Combo SCM **T**- Combo S-CM **U**- Combo SC-M **Y**- Combo SM-C	**1**- 120 **8**- 120-277	**G**- Vaportite Globe* **T**- Thru-wire **P**- Photo Control **B**- G & T options combined **C**- G & P options combined **D**- T & P options combined **E**- G & T & P options combined (Note: "T" only with the ballast box and not for use with INC fixtures) Globes not available with any angled shades. Medium shades have 100w max for INC and large shades have 200w max for INC. Also, 42w CFL cannot use globe.
1O- Mini Glass Shade Note: 1O only comes In Opal White and with ½" arms.	**R**- Remote **S**- Surface	**C11**- Ceiling 1/2" 1 ft Stem Style GNC11 **C12**- Ceiling 1/2" 2 ft Stem Style GNC12 **C13**- Ceiling 1/2" 3 ft Stem Style GNC13 **C14**- Ceiling 1/2" 4 ft Stem Style GNC14 **SC5**- Straight Cord 5 ft **SC0**- Straight Cord 10 ft **SA5**- Straight Cord w/ aircraft 5 ft **SA0**- Straight Cord w/ aircraft 10 ft **CC5**- Coil + Cord 5 ft **CW5**- Cord Wet Location 5 ft	**075** (1) **060** (1) **020** (1) **039** (1) (1)=Mini (2)=Medium (3)=Large * Number adjacent to wattage indicates the number/size of the series available in that wattage.	**I**- Incandescent **Q**- Halogen (Mini only, 60w max.) **T**- Electronic Pulse Start T4 (Mini only)	**WG**- Wrinkle Green **WB**- Wrinkle Black **WW**- Wrinkle White **WP**- Wrinkle Bronze **FB**- Flat Black **FP**- Flat Bronze **GG**- High Gloss Green **GB**- High Gloss Black **GW**- High Gloss White **GY**- High Gloss Yellow **GU**- High Gloss Blue **GR**- High Gloss Red **MC**- Metallic Copper **MS**- Metallic Silver **TS**- Textured Silver	**Q** - Combo CPM **U**- Combo C-PM **V**- Combo CP-M **W**- Combo P-CM **Cord** Color 1 - cap Color 2 - mounting	**1**- 120 **8**- 120-277	**T**- Thru-wire **P**- Photo Control **D**- T & P options Combined Note: "T" only with the ballast box

KaleidoShade2 mounting options

Architectural decorative

(included in catalog logic)

Wall mount remote and surface ballasts

4" Mounting plate
Accessory only

6" Mounting plate

Post top stem wall adapter

6" Mounting plate and box

8" Mounting plate and box

Post top stem wall adapter

Ceiling mount remote and surface ballasts

C11 - C34
Pendant mount

CC5
Coil and cord

SC5 / SC0
Straight cord

SA5 / SA0
Straight cord & cable

C11 - C34
Pendant mount

SC5
Straight cord

SA5
Straight cord & cable

Post-top mounting

PF1 - PG1

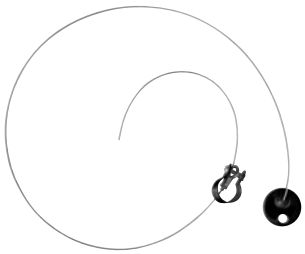
PF2 - PG2

PF3 - PG3

PF4 - PG4

PF5 - PG5

KaleidoShade2 accessories



Aircraft cable support
ACS1 - 1/2" Aircraft Cable Support
ACS3 - 3/4" Aircraft Cable Support
(cable cannot be painted)

Wire guard
GUARD12XX - Medium Deep Angle and Deep Bowl only
GUARD16XX - Medium Shallow Dome and Shallow Conical Large Deep Bowl and Uplight Deep Bowl
GUARD20XX - Large Shallow Dome and Deep Dome only

Note: Available in all color and texture combinations

Cast guard
Guard only. Available only with "G" option (as shown)
V131XX - 3 -1/2" twist on/off aluminum guard
V132XX - 4 -3/8" twist on/off aluminum guard

Note: Available in any texture/ color combo

Trim rings
Guard only. Available only with "G" option (as shown)
TR2XX - for use with medium shades
TR3XX - for use with large shades

Note: Available in all texture/ Color combinations

KaleidoShade2 color combinations

Architectural decorative

Combination Q
All components matching color

Combination T
Shade - color 1
Cap, arm, and mounting - color 2

Combination U
Shade and cap -color 1
Arm and mounting - color 2

Combination V
Shade, cap, and arm -color 1
Mounting - color 2

Combination W
Shade and arm - color 1
Cap and mounting - color 2

Combination X
Shade, arm and mounting - color 1
Cap - color 2

Combination Y
Shade and mounting - color 1
Cap and arm - color 2

Combination Z
Shade, cap, and mounting - color 1
Arm - color 2

KaleidoShade2 color selections

GY (Gloss Yellow)

GR (Gloss Red)

GW (Gloss White)

GU (Gloss Blue)

GG (Gloss Green)

GB (Gloss Black)

WW (Wrinkle White)

WG (Wrinkle Green)

WB (Wrinkle Black)

WP (Wrinkle Bronze)

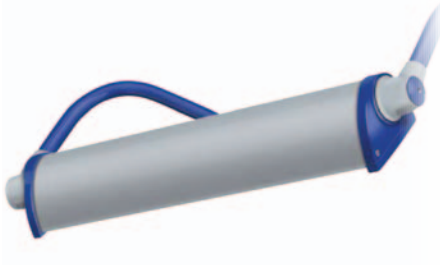
FB (Flat Black)

FP (Flat Bronze)

TS (Textured Silver)

MS (Metallic Silver)

MC (Metallic Copper)



KaleidoShade2 linear fluorescent

Architectural decorative

Ideal for sign lighting, exterior building illumination, accenting, indoor commercial illumination, retail, restaurant/food, entertainment industry and any location requiring architectural luminaires. Available in 2-foot, 4-foot and 8-foot lengths.

Features

Construction: Housing is constructed of an anodized aluminum extrusion. Precision die-cast, aluminum end caps. 360° rotatable die cast aluminum mounting assembly. Standard fixtures supplied with one ballast. Corrosion-resistant Duraplex II polyester powder-coated finish. Optional ExceLine designer finishes available. Clear acrylic lens available with "E" option.

Electrical: Electronic high-frequency ballast with voltage sensing capability in T5, T5HO and T8 lamping. Integral ballast for T5, T8 and T5HO. T5/T8/T5HO - 1 or 2 lamps.

Optics: Optics include a highly specular, medium hammertone reflector.

Mounting: ¾" NPS aluminum stem/goosenecks are schedule 40. Die cast aluminum wall plate. No exposed threads (must be ordered separately). Can be mounted in rows using the JA3XX-XX accessory. See installation guide for dimensions and instructions.

Listings/warranty: ETL listed for dry locations standard. CSA listed for wet locations when used with E option.

Arm shapes (accessories)

SL1= 3/4"
SL2= 3/4"

SL3= 3/4"

SL4= 3/4"

Style	Size	Texture	Color
SL1 12" straight arm	**3**- 3/4"	**W**- Wrinkle	**G**- Green **B**- Black **W**- White
SL2 24" straight arm		**F**- Flat	**B**- Black **P**- Bronze
SL3 23-3/4" gooseneck		**G**- High Gloss	**P**- Bronze **G**- Green **B**- Black **W**- White **Y**- Yellow **U**- Blue **R**- Red
SL4 23-3/4" gooseneck		**M**- Metallic	**C**- Copper **S**- Silver
		T- Textured	**S**- Silver

Series	Reflector	Lamp # per cross section	Lamp wattage	Ballast	Color	Color combination	Voltage	Options
K1	**A**- Asymmetric	**1**	**17**- 2' T8	T8	**WG**- Wrinkle Green	**Q** - Combo HEBC	**1**- 120V	**E**- Enclosed
KT1 (Tandem)		**2** (T5/T8/ T5HO)	**32**- 4' T8	**K1Y**	**WB**- Wrinkle Black	**T**- Combo H-EBC	**7**- 277V	**R**- Remote ballast
				K2Y	**WW**- Wrinkle White	**U**- Combo HE-BC	**B**- 120-277	**M**-(1) Emergency (remote only)
				K4Y	**WP**- Wrinkle Bronze	**V**- Combo HEB-C	**5**- 480V	**Dimming** (consult factory)
			24- 2' T5HO	T5HO	**FB**- Flat Black	**W**- Combo HB-EC		**Note** Enclosed fixtures are wet location listed
			54 - 4' T5HO	**S1Y**	**FP**- Flat Bronze	**X**- Combo HBC-E		
				S2Y		**Y**- Combo HC-EB		
				S4Y	**GG**- High Gloss Green	**Z**- Combo HEC-B		
					GB- High Gloss Black			
			14- 2' T5	T5	**GW**- High Gloss White	Color Key		
			28- 4' T5	**N1Y**	**GY**- High Gloss Yellow	**H**- Housing		
				N2Y	**GU**- High Gloss Blue	**E**- End		
				N4Y	**GR**- High Gloss Red	**B**- Hub		
			60- 4' T12HO	T12	**MC**- Metallic Copper	**C**- Cap		
			110- 8' T12HO	**B1Y**	**MS**- Metallic Silver			
					TS- Textured Silver			
					NU-Natural Unfinished			

Notes
(1) Remote emergency ballast sold separately. Contact factory.

Mounting components (accessories)

WB43XX
4-Inch Mounting Plate for 2-foot fixtures

WB63XX
6-Inch Mounting Plate used with 4- and 8-foot fixtures

WJB63XX
6" Box / Cover. Power supply splice box (rear hole with access plate)

WJB63XX-TW
6" Box / Cover. Power supply splice box (three 1/2" openings for thru-wiring)

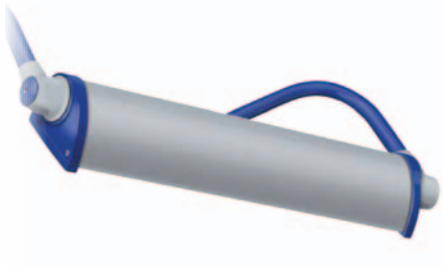
WJB63XX-NH
6" Box / Cover. Power supply splice box (rear hole only, no access plate)

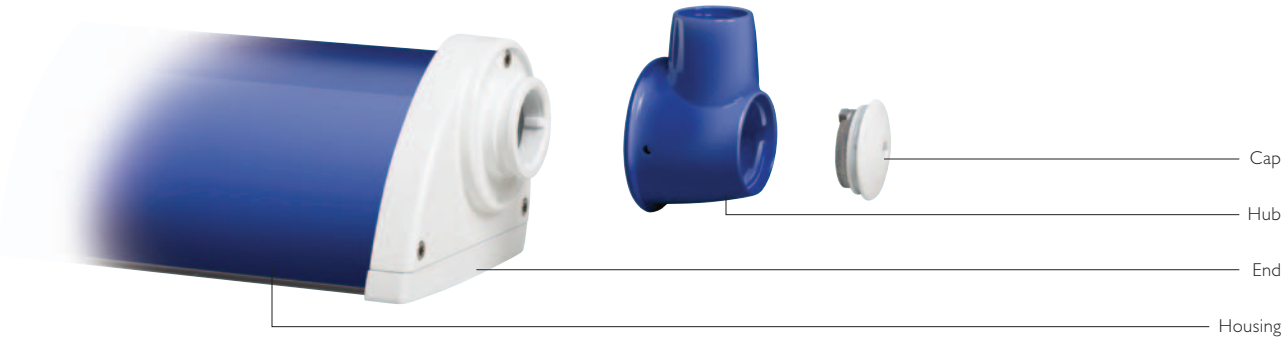
JA3XX-XX
Joiner and Cap Assembly (Contrasting colors available)

ACS1 / ACS3
Aircraft Cable Support (included with arm styles 2, 3 and 4)

KaleidoShade2 color combinations

Architectural decorative





Combination Q
All components matching color

Combination T
Shade - color 1
Cap, arm, and mounting - color 2

Combination U
Shade and cap -color 1
Arm and mounting - color 2

Combination V
Shade, cap, and arm -color 1
Mounting - color 2

Combination W
Shade and arm - color 1
Cap and mounting - color 2

Combination X
Shade, arm and mounting - color 1
Cap - color 2

Combination Y
Shade and mounting - color 1
Cap and arm - color 2

Combination Z
Shade, cap, and mounting - color 1
Arm - color 2

KaleidoShade2 color selections

GY (Gloss Yellow)

GR (Gloss Red)

GW (Gloss White)

GU (Gloss Blue)

GG (Gloss Green)

GB (Gloss Black)

FB (Flat Black)

FP (Flat Bronze)

WW (Wrinkle White)

WG (Wrinkle Green)

WB (Wrinkle Black)

WP (Wrinkle Bronze)

MS (Metallic Silver)

MC (Metallic Copper)

TS (Textured Silver)

NA (Natural Anodized Aluminum)

Revolution series

Architectural decorative

The Revolution Series is specially designed to enhance retail displays and optimize the appearance of merchandise, contributing to a stylish interior ambience with the most efficient, highest quality lighting possible.

Features

Construction: The ballast housing is constructed of die cast aluminum and a standard finish Duraplex II™ aluminum electrostatic powder coat with optional colors available. Units have mercury and lead free design and RoHS compliant electronics.

Electrical: Includes energy efficient, electronic pulse start MH ballast. A high power factor, electronic compact fluorescent ballasts available in 1 or 2 lamp configuration. The HID Lampholder will be G8.5 base for T4 CMH lamps and G12 base for T6 CMH lamps. Compact fluorescent lamps to be GX24q and open rated medium base for ED17 lamps. LED designed around Philips LED remote phosphor technology and provides 62 lm/w with a high light output of 1,100 lm using only 18 watts of energy.

Optics: The clear acrylic prismatic and frosted acrylic prismatic reflectors are injection molded. The formed aluminum reflector is brightened for performance. The enclosed model choices include laminated frosted glass lens & decorative cast aluminum blades, clear flat acrylic lens or frosted flat acrylic lens. The RLED includes a miniature specular aluminum reflector providing 55° cutoff. Other LED features include 50,000 hrs, 4,000K at 80 CRI and low glare.

Mounting: Mounting choices include pendant stem, decorative hook with cord and aircraft cable with either straight or coiled cords.

Listings/warranty: CSA approved for damp locations. Published five year limited warranty.

Series	Size	Material	Reflector Diameter	Lens	Lamp wattage	Source/ ballast type	Mounting	Finish	Options	Voltage
R= Revolution	**1**= Mini	**H**=Spun Aluminum **G**=Clear Acrylic **W**=Opal Acrylic	**09**=9"	**O**=Open (2) **G**=Flat Glass with Blades **C**=Flat Clear Acrylic (4) **W**=Flat White Acrylic (4)	**126**=[1] 26 **132**=[1] 32 **020**=20 watt T4 (1) **030**=30 watt T4 (1) **070**=70 watt T4 (1) **039**=39 watt T6 (1) **070**=70 watt T6 (1)	**HF** **E4**= Electronic T4 **E6**= Electronic T6	**SD**=Standard 1/2" Hub **C4**=4' Coiled Cord **C0**=10' Coiled Cord **S6**=6' Straight Cord **3DC**=Decorative Hook with 3' cord **3DCP**=Decorative Hook with 3' cord with plug (3)	**B**=Flat Black **W**=Flat White **A**=Aluminum	**L**=Lamped **X**=Line Item Lamp **FS**=In-Line Fusing (Specify Voltage)	**6**=120/277 **8**=120-277

Notes
(1) T4 and T6 MH fixtures must be enclosed
(2) Open models for Pulse Start MH include medium base open-rated socket
(3) Specify voltage when requesting this option
(4) C and W not available with aluminum reflector

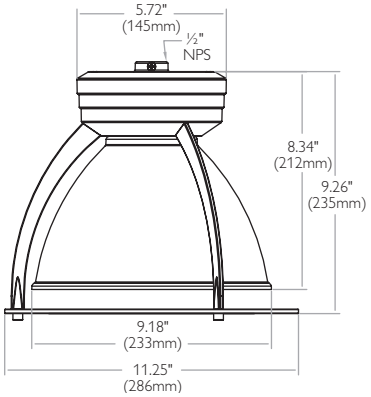
Series	Size	Material	Reflector Diameter	Lens	Lamp wattage	Source/ ballast type	Mounting	Finish	Options	Voltage
R= Revolution	**2**= Small	**H**=Spun Aluminum **G**=Clear Acrylic **W**=Opal Acrylic	**12**=12"	**O**=Open (1) **G**=Flat Glass with Blades **C**=Flat Clear Acrylic (2) **P**=Prismatic Conical (2)	**126**=[1] 26 **132**=[1] 32 **142**=[1] 42 **226**=[2] 26 **232**=[2] 32 **242**=[2] 42 **039**=39 watt T6 (3) **070**=70 watt T6 (3) **100**=100 watt PS **150**=150 watt PS (6)	**HF** **HF** **E6**= Electronic T6 **PS**=Magnetic PS MH **EP**= Electronic MH	**SD**=Standard 1/2" Hub **C4**=4' Coiled Cord **C0**=10' Coiled Cord **S6**=6' Straight Cord **3DC**=Decorative Hook with 3' cord **3DCP**=Decorative Hook with 3' cord with plug (4)	**B**=Flat Black **W**=Flat White **A**=Aluminum	**L**=Lamped **X**=Line Item Lamp **AM**=Aux. Quartz socket & relay (lamp not included) (5) **FS**=In-Line Fusing (Specify Voltage)	**6**=120/277 **8**=120-277

Notes
(1) Open models for Pulse Start MH include medium base open-rated socket
(2) C & P not available with aluminum reflector (H)
(3) Warning: T6 lamps must include lens - suitable for enclosed luminaires only
(4) Specify voltage when requesting this option
(5) AM quartz not available with EP or HF
(6) 150w must be "EP"

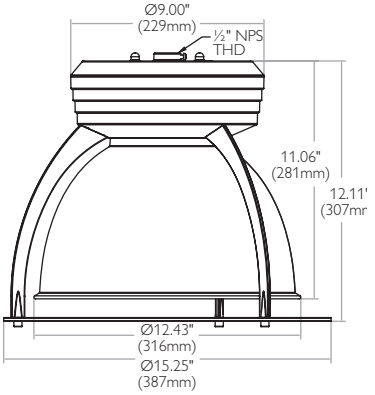
Series	Size	Lamp wattage	Source/ballast type	Mounting	Finish	Voltage
R= Revolution	**LED**=LED	**18**=18 watt	**RP**=Remote Phosphor	**SD**=Std. 1/2" Hub **C4**=4' Coil Cord **C0**=10' Coil Cord **S6**=6' Straight Cord	**B**=Flat Black **W**=Flat White **A**=Aluminum	**8**=120-277

Dimensions

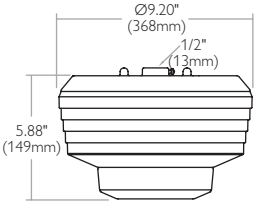
R1
(Shown with lens
And decorative blades)



R2
(Shown with lens
And decorative blades)



RLED



Revolution series

Architectural decorative

The perfect lighting solution for department stores, furniture shops, pharmacies, big-box stores, retail shops, supermarkets, high-end boutiques, car dealerships and product showrooms.

Series	Size	Material	Reflector Diameter	Lens	Lamp wattage	Source/ ballast type	Mounting	Finish	Options	Voltage
R= Revolution	**3**= Medium	**H**=Spun Aluminum **G**=Clear Acrylic **W**=Opal Acrylic	**16**=16"	**O**=Open **G**=Flat Glass with Blades **C**=Flat Clear Acrylic (1) **P**=Prismatic Conical (1)	**326**=(3) 26 **332**=(3) 32 **342**=(3) 42 **426**=(4) 46 **432**=(4) 32 **442**=(4) 42 **150**=150 watt PS (4) **175**=175 watt PS **250**=250 watt PS	**HF** **HF** **PS**=Magnetic PS (5) **EP**=Electronic PS (5) **ED**=Electronic Dimming (2)	**SD**=Standard 3/4" Hub **C4**=4' Coiled Cord **C0**=10' Coiled Cord **S6**=6' Straight Cord **3C**=Cast Hook with 3' cord **3CP**=Cast Hook with 3' cord with plug (6)	**B**=Flat Black **W**=Flat White **A**=Aluminum	**L**=Lamped **X**=Line Item Lamp **AM**=Aux. Quartz socket & relay (lamp not included) (3) **FS**=In-Line Fusing (Specify Voltage)	**6**=120/277 **8**=120-277

Notes
(1) C & P not available w/aluminum reflector (H)
(2) Dimming only w/250w Pulse Start MH
(3) AM quartz not available with EP, ED or HF
(4) 150w must be "EP" or "ED"
(5) Standard with open-rated sockets
(6) Specify voltage with this option

Series	Size	Material	Reflector Diameter	Lens	Lamp wattage	Source/ ballast type	Mounting	Finish	Options	Voltage
R= Revolution	**4**= Large	**H**=Spun Aluminum **G**=Clear Acrylic **W**=Opal Acrylic	**22**=22"	**O**=Open **G**=Flat Glass with Blades **C**=Flat Clear Acrylic (1) **P**=Prismatic Conical (1) **S**=Stretch Lens (1)	**326**=(3) 26 **332**=(3) 32 **342**=(3) 42 **426**=(4) 46 **432**=(4) 32 **442**=(4) 42 **210**=210 Elite CMH **315**=315 watt CMH **250**=250 watt PS **320**=320 watt PS **350**=350 watt PS **400**=400 watt PS	**HF** **HF** **EE**=Electronic Elite (6) **PS**=Magnetic PS (4) **EP**=Electronic PS **ED**=Electronic Dimming	**SD**=Standard 3/4" Hub **C4**=4' Coiled Cord **C0**=10' Coiled Cord **S6**=6' Straight Cord **3C**=Cast Hook with 3' cord **3CP**=Cast Hook with 3' cord with plug (2)	**B**=Flat Black **W**=Flat White **A**=Aluminum	**L**=Lamped **X**=Line Item Lamp **AM**=Aux. Quartz socket & relay (lamp not included) (3)	**6**=120/277 **8**=120-277 **11**=200-277 (required for 320w, 350w, 400w with dimming) (required for 320w, 350w, 400w non-dimming)

Notes
(1) C, P and S are not available with aluminum reflector (H)
(2) Specify voltage when requesting this option
(3) AM quartz not available with EP, ED, EE or HF
(4) Standard with open-rated sockets
(5) Must be enclosed
(6) The Electronic Elite fixtures include an additional internal reflector to increase performance.

Features

Construction: The ballast housing is constructed of die cast aluminum and a standard finish Duraplex II™ aluminum electrostatic powder coat with optional colors available. Units have mercury and lead free design and RoHS compliant electronics.

Electrical: Choice of energy efficient, electronic pulse start MH ballast or magnetic HID ballast, class H insulation, copper windings, high power factor. High power factor, electronic compact fluorescent ballasts available in 1, 2, 3 or 4 lamp configuration. HID Lampholder to be porcelain, open rated mogul base for ED28 lamps and compact fluorescent lamps to be GX24q.

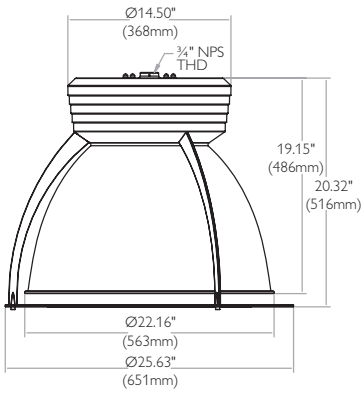
Optics: The clear acrylic prismatic and microcellular foamed acrylic reflectors are injection molded. The formed aluminum reflector is brightened for performance. The enclosed model choices include laminated frosted glass lens & decorative cast aluminum blades, clear flat acrylic lens or prismatic conical acrylic lens. Prismatic silicone lens with stretch fit retainer R4 only.

Mounting: Mounting choices include pendant (standard) (stem by others) and aircraft cable with coiled or straight cord (optional).

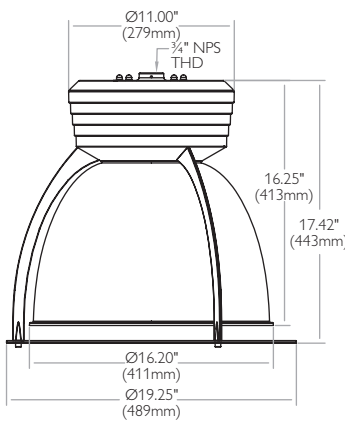
Listings/warranty: CSA approved for damp locations. Published five year limited warranty.

Dimensions

R4
(Shown with Lens and Decorative Blades)



R5
(Shown with Lens and Decorative Blades)



Indirector Ellipse

Indirect

Ideal for conference rooms, lobbies, atriums, churches, schools, malls, libraries and retail spaces.

Features

Construction: Extruded aluminum housing, door frame, splice chamber/ballast housing. Solid or perforated optical chamber. Die cast aluminum arms. Heavy duty die formed end plates. Tempered glass lens. No exposed fasteners. Matte White polyester powder coated finish standard. Optional designer finishes available (Consult Factory). Remote units provided with UL Listed ballast enclosure.

Optics: Highly specular segmented reflector. Choice of 25˚ or 45˚ (from horizontal) peak angle distribution. Horizontal or below lens positioning. 10˚ internal reflector adjustment. Lockable adjustable arms and optical assembly.

Mounting: Wall or ceiling mounted. Quick mounting plate. Integral splice chamber.

Listings/warranty: UL/cUL 1598 damp location/ optional wet location. Published five year limited warranty.

Style	Size	Wattage	Distribution	Source	Finish	Options	Voltage
EL- Ellipse	**A**- 11"	**3**- 35[T6] **7**- 70[T6] **15**- 150[T6]	**2**- 25˚ Peak Angle(2) **4**- 45˚ Peak Angle(2)	**EMA**(1)	**WHM**- Matte White **TM**- Dark Titanium **AL**- Aluminum (paint) **BKX**- Black Sandtex	**IB**- Integral Ballast	**1**- 120 **8**- 120-277

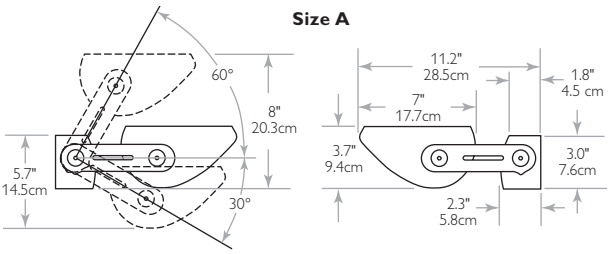
Notes
(1) Maximum ballast to lamp distance is very limited. (IB recommended)
(2) Peak angles may vary. Consult photometry on specification sheets.
(3) Wet location limited to wall mounting, lens up orientation.
(4) All metal halide fixtures are pulse start.

Style	Size	Wattage	Distribution	Source	Finish	Options	Voltage
EL- Ellipse	**B**- 14"	**5** - 50[ED17] **7** - 70[ED17] **10** - 100[ED17] **15** - 150[ED17](5) **2** - 26[PLT] **3** - 32[PLT] **4** - 42[PLT] **5** - 57[PLT]	**2**- 25˚ Peak Angle(2) **4**- 45˚ Peak Angle(2) **4**- 45˚ Peak Angle(2)	**MA**(4) **EMA**(1) **HF**	**WHM**- Matte White **TM**- Dark Titanium **AL**- Aluminum (paint) **BKX**- Black Sandtex	**IB**- Integral Ballast	**8**- 120-277

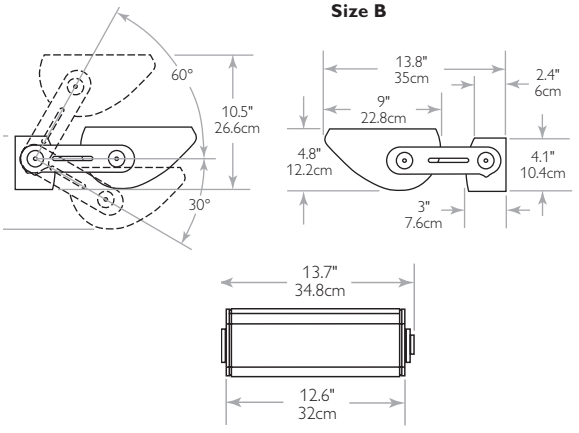
Notes
(1) Maximum ballast to lamp distance is very limited (IB recommended).
(2) Peak angles may vary. Consult photometry on specification sheets.
(3) Wet location limited to wall mounting, lens up orientation.
(4) All metal halide fixtures are pulse start.
(5) Must be "EMA".

Dimensions

Size A



Size B



Indirector Ellipse

Indirect

Ideal for airports, gymnasiums, sports complexes, atriums, churches, schools, malls, libraries and retail spaces.

Style	Size	Wattage	Distribution	Source	Finish	Options	Voltage
EL- Ellipse	**C**- 17"	**25**- 250[ED28](4,6) **40**- 400[ED28](5,6)	**3**- 35˚ Peak Angle(2) **4**- 45˚ Peak Angle(2)	**EMA**(1)	**WHM**- Matte White **TM**- Dark Titanium **AL**- Aluminum (paint) **BKX**- Black Sandtex	**IB**- Integral Ballast **DIM**- Dimming Ballast	**1** - 120 **8** - 120-277 **11** - 200-277

Notes
(1) Maximum ballast to lamp distance is very limited. (IB recommended)
(2) Peak angles may vary. Consult photometry on specification sheets.
(3) Wet location limited to wall mounting, lens up orientation.
(4) Voltage is -8 only (120-277v).
(5) Voltage is -11 only (200-277v).
(6) All metal halide fixtures are pulse start.

Features

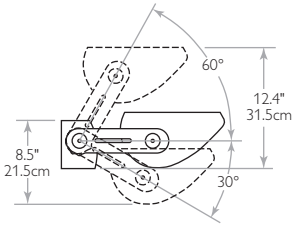
Construction: Extruded aluminum housing, door frame, splice chamber/ballast housing. Die cast aluminum arms. Heavy duty die formed end plates. Tempered glass lens. No exposed fasteners. Matte White polyester powder coated finish standard. Optional designer finishes available (Consult Factory). Remote units provided with UL Listed ballast enclosure.

Optics: Highly specular segmented reflector. Choice of 25˚ or 45˚ (from horizontal) peak angle distribution. Up to 10% direct component on perforated housing. Horizontal or below lens positioning. 10˚ internal reflector adjustment. Lockable adjustable arms and optical assembly.

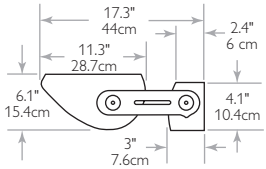
Mounting: Wall or ceiling mounted. Quick mounting plate. Integral splice chamber.

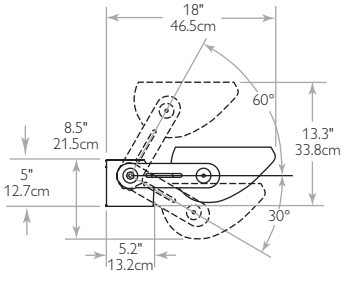
Listings/warranty: UL 1598 damp location/optional wet location. Published five year limited warranty.

Dimensions

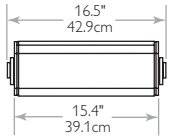


Remote Ballast





Integral Ballast



Indirector Sharpe

Indirect

Ideal for conference rooms, lobbies, atriums, churches, schools, malls, libraries and retail spaces.

Features

Construction: Extruded aluminum housing, door frame, splice chamber/ballast housing. Die cast aluminum arms. Heavy duty die formed end plates. Tempered glass lens. No exposed fasteners. Matte White polyester powder coated finish standard. Optional designer finishes available (Consult Factory). Remote units provided with UL Listed ballast enclosure.

Optics: Highly specular segmented/hammertone reflector. Choice of 25˚ or 45˚ (from horizontal) peak angle distribution. Horizontal or below lens positioning. 10˚ internal reflector adjustment. Lockable adjustable arms and optical assembly. 45˚ (from horizontal) peak angle distribution (HF).

Mounting: Wall or ceiling mounted. Quick mounting plate. Integral splice chamber.

Listings/warranty: ETL damp location/optional wet location. Published five year limited warranty.

Style	Size	Wattage	Distribution	Source	Finish	Options	Voltage
SH Sharpe	**A**- 11"	**3**- 35[T6] **7**- 70[T6] **15**- 150[T6]	**2**- 25˚ Peak Angle(2) **4**- 45˚ Peak Angle(2)	**EMA**(1)	**WHM**- Matte White **TM**- Dark Titanium **AL**- Aluminum (paint) **BKX**- Black Sandtex	**IB**- Integral Ballast	**1**- 120 **8**- 120-277

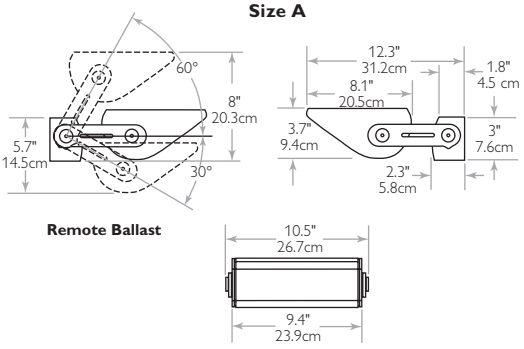
Notes
(1) Maximum ballast to lamp distance is very limited (IB recommended).
(2) Peak angles may vary. Consult photometry on specification sheets.
(3) Wet location limited to wall mounting, lens up orientation.
(4) All metal halide fixtures are pulse start.

Style	Size	Wattage	Distribution	Source	Finish	Options	Voltage
SH Sharpe	**B**- 14"	**5** - 50[ED17] **7** - 70[ED17] **10** - 100[ED17] **15** - 150[ED17](5) **2** - 26[PLT] **3** - 32[PLT] **4** - 42[PLT]	**2**- 25˚ Peak Angle(2) **4**- 45˚ Peak Angle(2) **4**- 45˚ Peak Angle(2)	**MA** **EMA**(1) **HF**	**WHM**- Matte White **TM**- Dark Titanium **AL**- Aluminum (paint) **BKX**- Black Sandtex	**IB**- Integral Ballast	**8**- 120-277

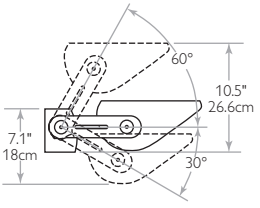
Notes
(1) Maximum ballast to lamp distance is very limited. (IB recommended)
(2) Peak angles may vary. Consult photometry on specification sheets.
(3) Wet location limited to wall mounting, lens up orientation.
(4) All metal halide fixtures are pulse start
(5) Must be "EMA"

Dimensions

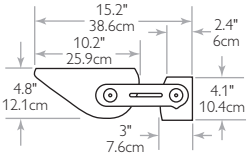
Size A



Remote Ballast



Remote Ballast
Flourescent Ballast



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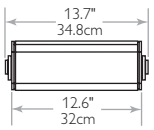
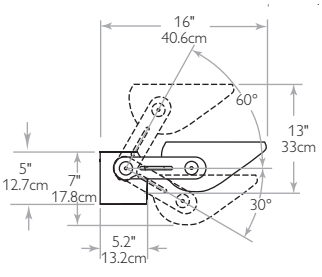




Integral Metal Halide Ballast

Indirector Sharpe

Indirect

Ideal for airports, gymnasiums, sports complexes, atriums, churches, schools, malls, libraries and retail spaces.

Style	Size	Wattage	Distribution	Source	Finish	Options	Voltage
SH Sharpe	**C**- 17"	**25**- 250[ED28](4,6) **40**- 400[ED28](5,6)	**3**- 35° Peak Angle(2) **4**- 45° Peak Angle(2)	**EMA**(1)	**WHM**- Matte White **TM**- Dark Titanium **AL**- Aluminum (paint) **BKX**- Black Sandtex	**IB**- Integral Ballast **DIM**- Dimming Ballast	**1** - 120 **8** - 120-277 **11** - 200-277

Notes
(1) Maximum ballast to lamp distance is very limited. (IB recommended)
(2) Peak angles may vary. Consult photometry on specification sheets.
(3) Wet location limited to wall mounting, lens up orientation.
(4) Voltage is -8 (120-277).
(5) Voltage is -11 (200-277).
(6) All metal halide fixtures are pulse start.

Features

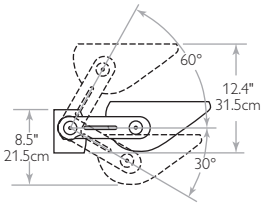
Construction: Extruded aluminum housing, door frame, splice chamber/ballast housing. Die cast aluminum arms. Heavy duty die formed end plates. Tempered glass lens fluorescent. Tempered borosilicate glass-metal halide. No exposed fasteners. Matte White polyester powder coated finish standard. Optional designer finishes available (Consult Factory). Remote units provided with UL Listed ballast enclosure.

Optics: Highly specular segmented/hammertone reflector. Choice of 35° or 45° (from horizontal) peak angle distribution. Horizontal or below lens positioning. Internal reflector adjustment. Lockable adjustable arms and optical assembly.

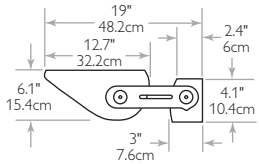
Mounting: Wall or ceiling mounted. Quick mounting plate. Integral splice chamber.

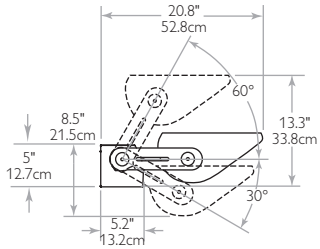
Listings/warranty: ETL damp location/optional wet location. Published five year limited warranty.

Dimensions

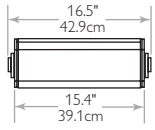


Remote Ballast





Integral Ballast



Lumastar series 16"

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Tribute

Nemeter

Sculptor

Zenos

Features

Construction: SB (Surface Ballast) housing is precision die cast aluminum. RB (Remote Ballast) housing is stamped steel FCAN style, or with ballast enclosure. Corrosion resistant Duraplex II white polyester powder coated finish standard. Optional designer finishes available. (Consult factory).

Optics: Lightweight 16" UV stabilized injection molded prismatic acrylic domes. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect". Fixture efficiency up to 95%. Nemeter: 75% Direct/25% Indirect. Sculptor and Tribute: 65% Direct/35% Indirect. Zenos: 55% Direct/45% Indirect.

Electrical: Porcelain spring-loaded 4KV pulse open-rated socket-mogul base. PMA: RB supplied 6(120/277), SB supplied 8(120-277). Rated for 35°C ambient. All metal halide fixtures are pulse start with open-rated sockets.

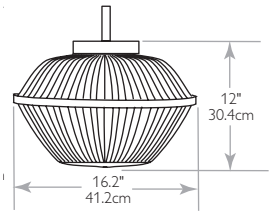
Mounting: Supplied with 35° swivel ball hanger (not for use outdoors) and finishing canopy. 16" units use 3/4" rigid tubing. Available with stems up to 48". Consult Factory for 12" increments up to 96".

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty with one year warranty on all polycarbonate components.

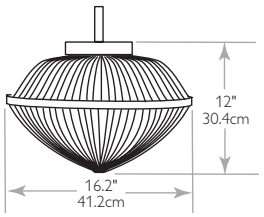
Ballast	Refractor	Shape	Medium	Wattage	Source	Stem/finish	Voltage
RB-Remote Ballast(1)	**A**-16	**T**-Tribute	**C**-Clear Acrylic	**70**[ED17]	**MAOR**(4)	**12WHT**	**1**-120
SB-Surface Ballast(1)		**N**-Nemeter		**100**[ED17]		**24WHT**	**4**-277
NB-No Ballast		**S**- Sculptor		**150**[ED17](1)	**EMAOR**(3)	**36WHT**	**6**-120/277
		Z-Zenos				**48WHT**	**8**-120-277
				26[PLT]	**HF**		
				32[PLT]			
				42[PLT]			
				200[A]	**IN**		

Notes
(1) Consult factory for lamp to ballast distance.
(2) Consult factory for high pressure sodium.
(3) All metal halide fixtures must use open-rated lamps.

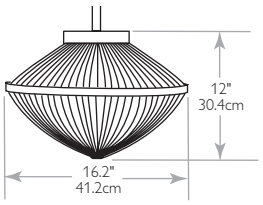
Dimensions



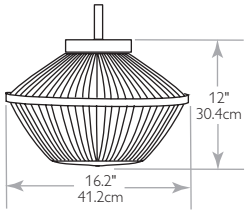
Tribute



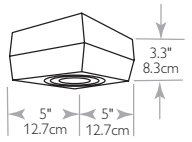
Nemeter



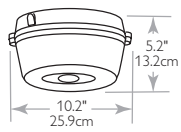
Sculptor



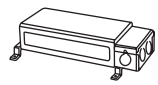
Zenos



Compact Fluorescent Surface Ballast

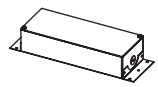


HID Surface Ballast



14" Length
3.19" Depth
2.63" Height

"RB" HID Remote Ballast (70 and 100w)



"RBBX" HID Remote Ballast (150w)

Lumastar series 25"

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Tribute

Nemeter

Sculptor

Zenos

Ballast	Refractor	Shape	Medium	Wattage	Source	Stem/finish	Voltage
RB-Remote Ballast(1,5)	**B**-25	**T**-Tribute	**C**-Clear Acrylic	**250**[E/BT28]	**EMAOR**(5,6)	**12WHT**	**1**-120
SB-Surface Ballast(1,5)		**N**-Nemeter		**320**[E/BT28]	**PMAOR**(5,6)	**24WHT**	**4**-277
NB-No Ballast		**S**- Sculptor		**350**[E/BT37]		**36WHT**	**6**-120/277
		Z-Zenos		**400**[E/BT37](2)		**48WHT**	**8**-120-277
				500	**IN**		**11**-200-277

Notes
(1) Consult factory for lamp to ballast distance.
(2) RBISB voltage is -11 voltage (200-277).
(3) Consult factory for high pressure sodium.
(4) SB must be "PMA".
(5) RB must be "EMA".
(6) All metal halide fixtures must use open-rated lamps.

Features

Construction: SB (Surface Ballast) housing is precision die-cast aluminum. RB (Remote Ballast) housing is provided with ballast enclosure. Corrosion resistant Duraplex II white polyester powder coated finish standard. Optional designer finishes available. (Consult Factory)

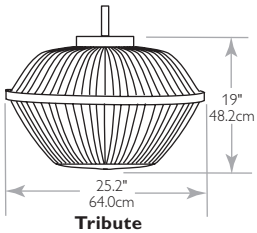
Optics: Lightweight 25" UV stabilized injection molded prismatic acrylic domes. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect". Fixture efficiency up to 95%. Nemeter: 65% Direct/35% Indirect. Sculptor and Tribute: 55% Direct/45% Indirect. Zenos: 50% Direct/50% Indirect.

Electrical: Porcelain spring-loaded 4KV pulse rated socket-medium base. Rated for 35°C ambient. All metal halide fixtures are pulse start with open-rated sockets.

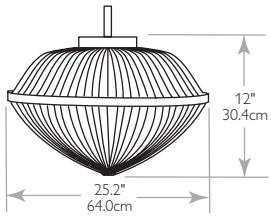
Mounting: Supplied with 35° swivel ball hanger (not for use outdoors) and finishing canopy. 25" units use 1" rigid tubing. Available with stems up to 48". Consult Factory for 12" increments up to 96".

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty with one year warranty on all polycarbonate components.

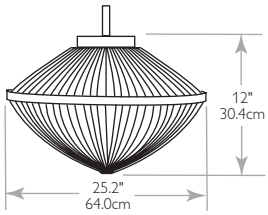
Dimensions



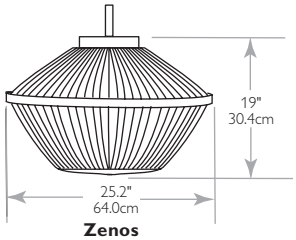
Tribute



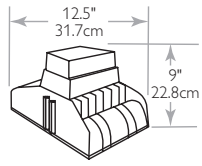
Nemeter



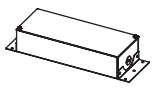
Sculptor



Zenos



HID Surface Ballast



"RBBX" HID Remote Ballast (250w - 400w)

Lumastar IB series 16"

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Features

Construction: Heavy duty, precision die-cast aluminum ballast housing. Heavy duty aluminum socket plate. Corrosion resistant Duraplex II white polyester powder coated finish standard. Optional designer finishes available. (Consult factory)

Optics: Lightweight 16" UV stabilized injection molded prismatic acrylic domes. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect". Fixture efficiency up to 95%. Tribute and Sculptor: 65% Direct/35% Indirect. Nemeter: 75% Direct/25% Indirect. Zenos: 55% Direct/45% Indirect.

Electrical: Porcelain spring-loaded 4KV pulse rated socket-medium base. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Threaded 3/4" threaded hub facilitates direct conduit mounting. (Stems not included)

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty with one year warranty on all polycarbonate components.

Tribute

Nemeter

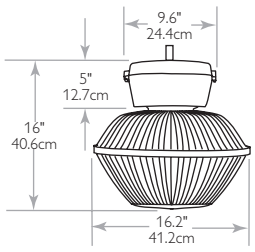
Sculptor

Zenos

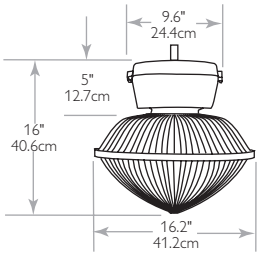
Ballast	Refractor	Shape	Medium	Wattage	Source	Options	Voltage
IB-Integral Ballast	**A**-16	**T**-Tribute **N**-Nemeter **S**- Sculptor **Z**-Zenos	**C**-Clear Acrylic	**70**[ED17](1) **100**[ED17](1) **150**[ED17](1) **326**[PLT] **332**[PLT] **342**[PLT]	**MAOR**4) **EMAOR**(4) **HF**		**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **6**-120/277 **8**-120-277

Notes
(1) Voltage is 6(120/277).
(2) EMA only.
(3) Consult factory for High Pressure Sodium.
(4) All metal halide fixtures must use open-rated lamps.

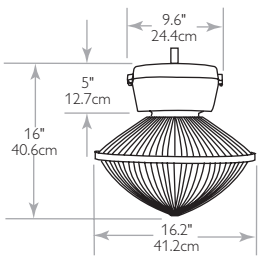
Dimensions



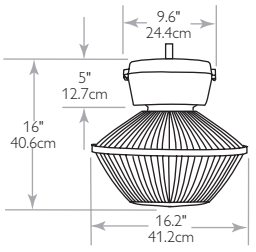
Tribute



Nemeter



Sculptor



Zenos

Lumastar IB series 25"

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Tribute

Nemeter

Sculptor

Zenos

Features

Construction: Heavy duty, precision die-cast aluminum ballast housing. Heavy duty aluminum socket plate. Corrosion resistant Duraplex II white polyester powder coated finish. Optional designer finishes available. (Consult Factory)

Optics: Lightweight 25" UV stabilized injection molded prismatic acrylic domes. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect". Fixture efficiency up to 95%. Tribute and Sculptor: 55% Direct/45% Indirect. Nemeter: 65% Direct/35% Indirect. Zenos: 50% Direct/50% Indirect.

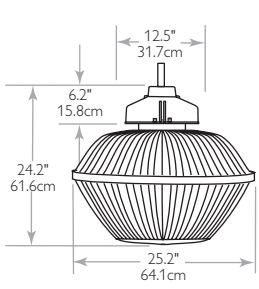
Electrical: Porcelain spring-loaded 4KV pulse rated socket-mogul base. PLT four pin bases GX24q-3(26/32W), GX24q-4(42W). Compact fluorescent ballasts are HPF electronic >95%, <10% THD. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Threaded 3/4" threaded hub facilitates direct conduit mounting. (Stems not included)

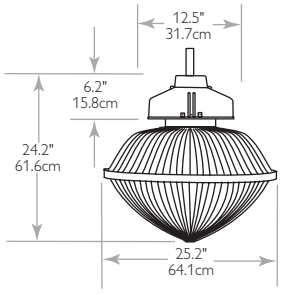
Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty with one year warranty on all polycarbonate components.

Ballast	Refractor	Shape	Medium	Wattage	Source	Options	Voltage
IB-Integral Ballast	**B**-25	**T**-Tribute **N**-Nemeter **S**- Sculptor **Z**-Zenos	**C**-Clear Acrylic	**250**[E/BT37] **320**[E/BT37] **350**[E/BT37] **400**[E/BT37] **450**[E/BT37] **426**[PLT] **432**[PLT] **442**[PLT]	**PMAOR** **HF**		**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **6**-120/277 **8**-120-277

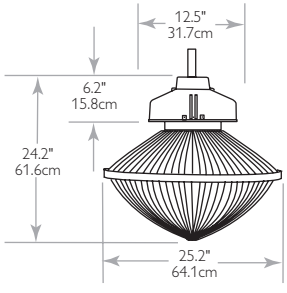
Dimensions



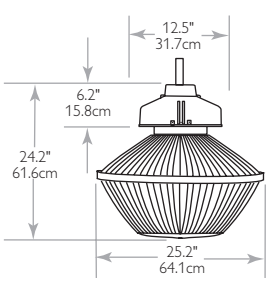
Tribute



Nemeter



Sculptor



Zenos

Lumastar EB series 16"

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Features

Construction: Spun aluminum ballast housing and cap. Heavy duty aluminum socket plate. Corrosion resistant Duraplex II white polyester powder coated finish standard. Optional designer finishes available. (Consult factory)

Optics: Lightweight 16" UV stabilized injection molded prismatic acrylic domes. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect". Fixture efficiency up to 95%. Nemeter: 75% Direct/25% Indirect. Tribute: 65% Direct/35% Indirect. Sculptor: 65% Direct/35% Indirect. Zenos: 55% Direct/45% Indirect.

Electrical: Porcelain spring-loaded 4KV pulse open-rated socket-medium base. PLT four pin base GX24q-3(26/32W), GX24q-4 (42W). Ballasts are HPF electronic >.95 Pf, <10% THD. All HID and Compact Fluorescent ballasts sound rated "A". Rated for 35°C ambient.

Mounting: Supplied 3/4" rigid tubing up to 48". Optional straight cord (SC) for field installation/cutting. Consult factory for 12" increments up to 96".

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty with one year warranty on all polycarbonate components.

Tribute

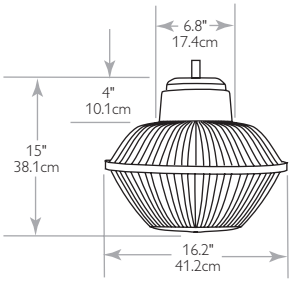
Nemeter

Sculptor

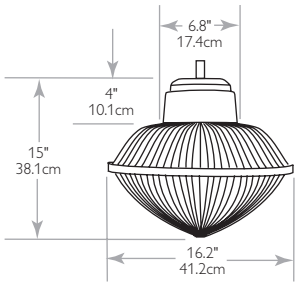
Zenos

Ballast	Refractor	Shape	Medium	Wattage	Source	Stem/finish	Voltage
EB-Integral Ballast	**A**-16	**T**-Tribute **N**-Nemeter **S**- Sculptor **Z**-Zenos	**C**-Clear Acrylic	**70**[ED17] **100**[ED17] **226**[PLT] **232**[PLT] **242**[PLT]	**EMAOR** **HF**	**12WHT** **24WHT** **36WHT** **48WHT** **SC**-4' Straight Cord	**6**-120/277 **8**-120-277

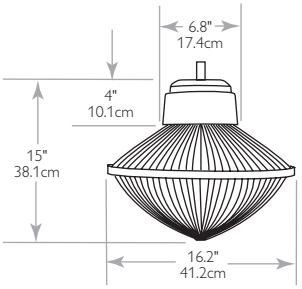
Dimensions



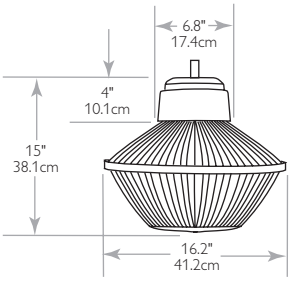
Tribute



Nemeter



Sculptor



Zenos

Constar Mini High-Bay 14"

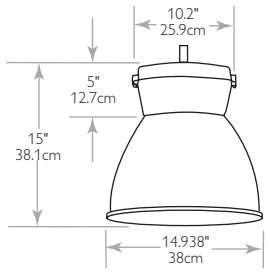
Commercial/retail

A perfect luminaire for retail stores, supermarkets, car showrooms, schools, lobbies, libraries and commercial offices.

Ballast	Lens	Reflector	Wattage	Source	Finish	Options	Voltage
DB-Decorative Ballast	**E**-Flat **H**-Open(3)	**14**	**70**[E/ED17] **100**[E/ED17] **150**[E/ED17](1) **175**[E/ED17](1) **70**[E/BD17] **100**[E/BD17] **150**[E/BD17] **1/2/3/4-26**[PLT] **1/2/3/4-32**[PLT] **1/2/3/4-42**[PLT]	**MAOR** (Magnetic) **EMAOR** (Electronic) **LX** **HF**	**WHT**-White	**DIM**-(HF)	**1**-120 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) 150/175w must be EMA.
(2) For use in 25°C (77°F) maximum ambient.
(3) All open MA/EMA units must use open-rated lamp.

Dimensions



Features

Construction: Ballast housing is precision die-cast aluminum. Corrosion resistant Duraplex II white polyester powder coated finish standard. Optional designer finishes available (Consult factory). Clear heat-tempered glass lens (enclosed units) is cushioned in a gasketed, rolled steel frame.

Optics 14": Aluminum reflector is 14" diameter spun from heavy gauge, anodized aluminum. Shielded optics meet UL 1598 lamp rupture containment specifications.

Optics 16": Lightweight 16" refractor is injection molded from high impact, UV stabilized acrylic. Uplight component gives fill light on ceiling surfaces. Available open, flat acrylic, conical or drop lens. Shielded optics meet UL 1598 lamp rupture containment specifications. (BOTH 14 & 16")

Electrical: Porcelain spring-loaded 4KV pulse rated socket-medium base. HPF ballasts supplied for HID luminaires. Electronic HPF ballasts for PLT luminaires. Pendant mount rated for 35°C ambient, surface mount rated for 25°C ambient. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Lightweight hanger plate has threaded hub which attaches to standard 3/4" conduit or ExceLine hooks or hook cord and plug sets. Optional stem kit (DBKIT) for 3/4" ExceLine tube stems.

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty.

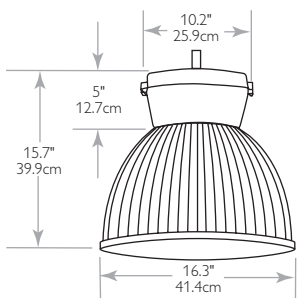
Constar Mini Soft-Bay 16"

Commercial/retail

Ballast	Lens	Reflector	Wattage	Source	Finish	Options	Voltage
DB-Decorative Ballast	**C**=Conical **D**=Drop **E**=Flat **G**=Open	**16**	**70**[E/ED17] **100**[E/ED17] **150**[E/ED17](1) **175**[E/ED17](2) **70**[E/BD17] **100**[E/BD17] **150**[E/BD17] **1/2/3/4-26**[PLT] **1/2/3/4-32**[PLT] **1/2/3/4-42**[PLT]	**MAOR** (Magnetic) **EMAOR** (Electronic) **LX** **HF**	**WHT**-White	**DIM**-(HF)	**1**-120 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) 150/175w must be EMA.
(2) For use in 25°C (77°F) maximum ambient.
(3) All open MA/EMA units must use open-rated lamp.

Dimensions



Constar EB series

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Features

Construction: Spun aluminum ballast housing and cap. Heavy duty aluminum socket plate. Corrosion resistant Duraplex II white polyester powder coated finish. Standard. Optional designer finishes available. (Consult Factory)

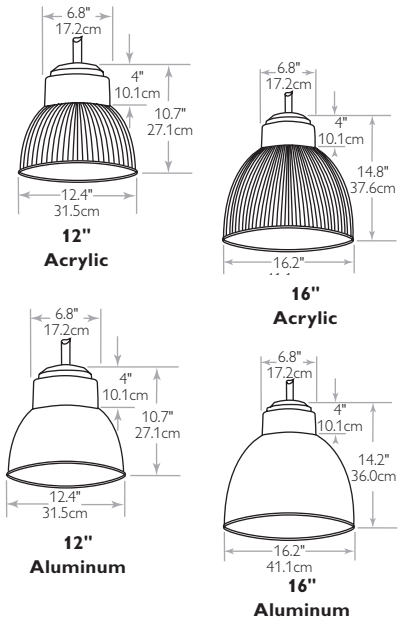
Optics: Lightweight 16" UV stabilized injection molded prismatic acrylic domes. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect". Fixture efficiency up to 95%. Nemeter: 75% Direct/25% Indirect. Tribute: 65% Direct/35% Indirect. Sculptor: 65% Direct/35% Indirect. Zenos: 55% Direct/45% Indirect.

Electrical: Porcelain spring-loaded 4KV pulse open-rated socket-medium base. PLT four pin base GX24q-3(26/32W), GX24q-4 (42W). Ballasts are HPF electronic >.95 Pf, <10% THD. All HID and Compact Fluorescent ballasts sound rated "A". Rated for 35°C ambient.

Mounting: Supplied 3/4" rigid tubing up to 48". Optional straight cord (SC) for field installation/cutting. Consult factory for 12" increments up to 96".

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty with one year warranty on all polycarbonate components.

Dimensions



12" Acrylic Prismatic

16" Acrylic Prismatic

12" Aluminum Reflector (12A)

16" Aluminum Reflector (16A)

Ballast	**Lens**	**Refractor**	**Wattage**	**Source**	**Stem/finish**	**Options**	**Voltage**
EB-Integral Ballast	**B**-Belly **E**-Flat Acrylic **H**-Open	**12A**	**70**[E/ED17] **100**[E/ED17] **26**[PLT] **32**[PLT] **42**[PLT]	**EMAOR**(1) **HF**	**12WHT** **24WHT** **36WHT** **48WHT** **SC**-4' Straight Cord	**Notes** (1) All EMA fixtures require an "OR" Open-Rated socket	**6**-120/277 **8**-120-277

Ballast	**Lens**	**Refractor**	**Wattage**	**Source**	**Stem/finish**	**Options**	**Voltage**
EB-Integral Ballast	**B**-Belly **E**-Flat Acrylic **G**-Open	**12**	**70**[E/ED17] **100**[E/ED17] **26**[PLT] **32**[PLT] **42**[PLT]	**EMAOR**(1) **HF**	**12WHT** **24WHT** **36WHT** **48WHT** **SC**-4' Straight Cord	**Notes** (1) All EMA fixtures require an "OR" Open-Rated socket	**6**-120/277 **8**-120-277

Ballast	**Lens**	**Refractor**	**Wattage**	**Source**	**Stem/finish**	**Options**	**Voltage**
EB-Integral Ballast	**C**-Conical **D**-Drop **E**-Flat **F**-Flat Textured Glass **H**-Open	**16A**	**70**[E/ED17] **100**[E/ED17] **26**[PLT] **32**[PLT] **42**[PLT]	**EMAOR**(1) **HF**	**12WHT** **24WHT** **36WHT** **48WHT** **SC**-4' Straight Cord	**Notes** (1) All EMA fixtures require an "OR" Open-Rated socket	**6**-120/277 **8**-120-277

Ballast	**Lens**	**Refractor**	**Wattage**	**Source**	**Stem/finish**	**Options**	**Voltage**
EB-Integral Ballast	**C**-Conical **D**-Drop **E**-Flat Acrylic **G**-Open	**16**	**70**[E/ED17] **100**[E/ED17] **26** or **226** [PLT] **32** or **232** [PLT] **42** or **242** [PLT] (1 or 2 lamps)	**EMAOR**(1) **HF**	**12WHT** **24WHT** **36WHT** **48WHT** **SC**-4' Straight Cord	**Notes** (1) All EMA fixtures require an "OR" Open-Rated socket	**6**-120/277 **8**-120-277

Constar II series 22"

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Ballast	Lens	Reflector	Wattage	Source	Stem/finish	Options	Voltage
RB-Remote Ballast(1)	**C**-Conical	**22**	**175** E/BT28(6)	**PMAOR/ EMAOR**(7)	**12**	**WHT**-White	**1**-120
SB-Surface Ballast(1)	**D**-Drop		**250** E/BT28(4)		**24**		**4**-277
NB-No Ballast	**E**-Flat Glass		**400** E/BT37(5)		**36**		**6**-120/277
	G-Open				**48**		**8**-120-277
			300 PS	**IN**			**11**-200-277

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) Consult factory for High Pressure Sodium.
(3) Remote 250/400w must be EMA.
(4) Must be -8 voltage.
(5) Must be -11 voltage.
(6) Not available with "RB".
(7) Fixture must use open-rated lamps.

Features

Construction: SB (Surface Ballast) housing is precision die-cast aluminum. RB (Remote Ballast) provided with electronic ballast and ballast enclosure. Exposed components standard in Duraplex II white polyester powder coated finish. Optional designer finishes available (Consult factory).

Optics: Lightweight UV stabilized injection molded prismatic refractor. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect".

Electrical: HID ballasts are HPF CWA. Porcelain spring-loaded 4KV pulse rated HID socket- mogul base. RB units include internal thermal protection. Rated for 35°C ambient. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Consult factory for stems over 48". Rigid 1" stems up to 48" or coiled cord/aircraft cable. 35° swivel ball hanger (not for use outdoors) and finishing canopy.

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty.

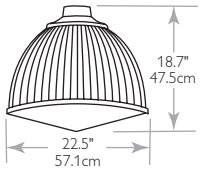
Constar V series 25"

Commercial/retail

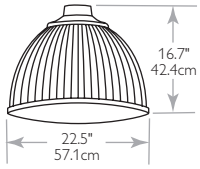
Ballast	Lens	Reflector	Wattage	Source	Stem/finish	Options	Voltage
RB-Remote Ballast(1)	**A**-Aisle drop	**25**	**175**[E/BT28](5)	**PMAOR/ EMAOR**(6)	**12**	**WHT**-White	**1**-120
SB-Surface Ballast(1)	**D**-Drop		**250**[E/BT28]		**24**		**4**-277
NB-No Ballast	**G**-Open		**400**[E/BT37](3,4)		**36**		**6**-120/277
					48		**8**-120-277
			500[PS]	**IN**			**11**-200-277

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) Consult factory for High Pressure Sodium.
(3) "RB" must be EMA.
(4) "RB" is -11 voltage.
(5) Not available with "RB".
(6) Fixtures must use open-rated lamps.

Dimensions

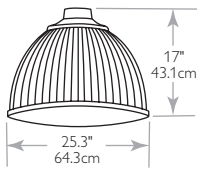


Conical Lens

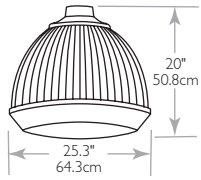


Open or Flat Lens

22"

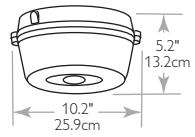


Open Lens

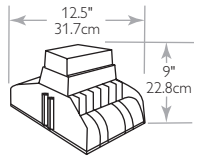


Drop Lens

25"



175 HID Surface Ballast



250/400W HID Surface Ballast

"RBBX" HID Remote Ballast (250w - 400w)

Constar I series 12"

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Features

Construction: SB (Surface Ballast) housing is precision die-cast aluminum. RB (Remote Ballast) housing is stamped steel FCAN style or with ballast enclosure. Exposed components standard in Duraplex II white polyester powder coated finish. Optional designer finishes available. (Consult factory)

Optics: Lightweight UV stabilized injection molded prismatic refractor. Direct/indirect distributions provide excellent uniformity ratios. Indirect component eliminates ceiling "cave effect". Available open or with acrylic lens.

Electrical: HID ballasts are High Reactance HPF(HX-HPF). HID ballasts: RB supplied 6(120/277) volt, SB supplied 8(120-277) volt. HF ballasts: RB and SB supplied 8(120-277) volt. Porcelain spring-loaded 4KV pulse rated HID socket- mogul base. Compact Fluorescent ballasts are HPF electronic .95 Pf, <10% THD. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). RB units include internal thermal protection. Rated for 35°C ambient. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Rigid 3/4" tubing up to 48" or coiled cord/ aircraft cable (HF not available with cords). Consult factory for stems over 48". 35° swivel ball hanger (not for use outdoors) and finishing canopy.

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty.

Ballast	Lens	Refractor	Wattage	Source	Stem/finish	Options	Voltage
RB-Remote Ballast(1)	**B**-Belly	**12**	**50**[E/BD17](2)	**MAOR**(4)	**12WHT**	**WHT**-White	**1**-120
SB-Surface Ballast(1)	**E**-Flat Acrylic		**70**[E/BD17](2)		**24WHT**		**2**-208
NB-No Ballast	**G**-Open(4)		**100**[E/BD17](2)		**36WHT**		**3**-240
					48WHT		**4**-277
			26[PLT]	**HF**(5)	**SC**-4' Straight Cord		**6**-120/277
			32[PLT]				**8**-120-277
			42[PLT]				
			100[PS]	**IN**			

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) RB/SB voltage is 6(120/277).
(3) Consult factory for High Pressure Sodium.
(4) Fixture must use Open-Rated lamp.
(5) Not available with Straight Cord (SC).

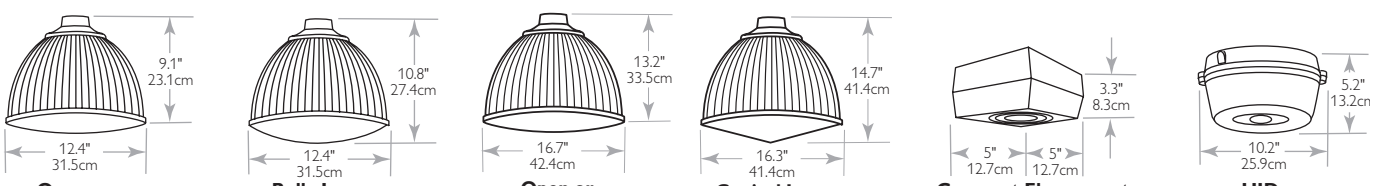
Constar VI series 16"

Commercial/retail

Ballast	Lens	Refractor	Wattage	Source	Stem/finish	Options	Voltage
RB-Remote Ballast(1)	**C**-Conical	**16**	**70**[E/BD17](2)	**MAOR**(7)	**12**	**WHT**-White	**1**-120
SB-Surface Ballast(1)	**D**-Drop		**100**[E/BD17](2)		**24**		**4**-277
NB-No Ballast	**E**-Flat Acrylic		**150**[E/BD17](3)		**36**		**6**-120/277
	G-Open		**175**[E/BD17](5)	**EMAOR**(7)	**48**		**8**-120-277
			26[PLT]	**HF**(6)			
			32[PLT]				
			42[PLT]				
			150[PS/A]	**IN**			

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) RB/SB voltage is 6(120/277).
(3) Must be EMA.
(4) Consult factory for High Pressure Sodium.
(5) No remote ballast available.
(6) Not available with Straight Cord (SC).
(7) Fixture must use open-rated lamp.

Dimensions



Solstice series

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Ballast	Lens	Reflector	Wattage	Source	Stem	Finish	Voltage
RB-Remote Ballast(1)	**E**-Lensed	**14**	**100**[ED28](2,3)	**MAOR**(9,10)	**12**	**MT**-Matte	**1**-120
SB-Surface Ballast(1)	**H**-Open(9)	**17**	**150**[ED28](6,7)	**EMAOR**(9)	**24**	**WHT**-White	**2**-208
NB-No Ballast			**175**[ED28](7)	**PMAOR**(9)	**36**		**3**-240
			250[E/BT28](8)		**48**		**4**-277
			400[E/BT28](5,8)				**6**-120/277
							8-120-277
			1/2/3-26[PLT]	**HF**			**11**-200-277
			1/2/3-32[PLT]				
			1/2/3-42[PLT]				
			300[A]	**IN**			

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) RB/SB Voltage is 6(120/277).
(3) Maximum Wattage for enclosed unit-100W.
(4) Consult factory for High Pressure Sodium.
(5) Requires ROJ reduced jacketed lamps.
(6) Must use EMA ballast.
(7) Not available as "RB".
(8) "RB" must be EMA.
(9) Open metal halide fixtures must have open-rated lamps.
(10) 100w only.

Ballast	Lens	Reflector	Wattage	Source	Stem	Finish	Voltage
RB-Remote Ballast(1)	**E**-Lensed	**20**	**150**[ED26](4,5)	**EMAOR**(7)	**12**	**MT**-Matte	**1**-120
SB-Surface Ballast(1)	**H**-Open(7)		**175**[ED26](5,6)	**PMAOR**(7)	**24**	**WHT**-White	**4**-277
NB-No Ballast			**250**[E/BT37](6)		**36**		**6**-120/277
			400[E/BT37](6)		**48**		**8**-120-277
			1000[E/BT37](3)	**MA**			**11**-200-277
			1/2/3/4-26[PLT]	**HF**			
			1/2/3/4-32[PLT]				
			1/2/3/4-42[PLT]				
			500 [A]	**IN**			

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) Consult factory for High Pressure Sodium.
(3) Requires ROJ reduced jacketed lamps.
(4) Must use EMA.
(5) Not available as "RB".
(6) "RB" must be EMA.
(7) Open metal halide fixtures must have open-rated lamps.

Features

Construction: SB (Surface Ballast) housing is precision die-cast aluminum. RB (Remote HID Ballast) is stamped steel FCAN style, or provided with UL Listed enclosure. RB for Compact Fluorescent requires separate ballast enclosure (provided). Corrosion resistant etched and anodized matte finish.

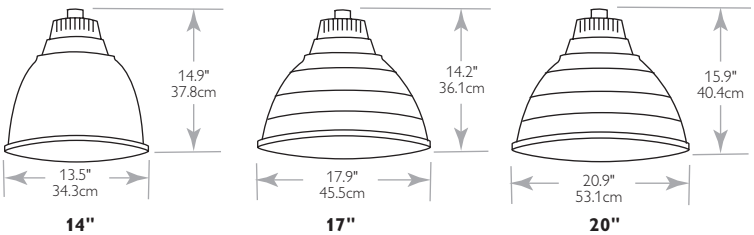
Optics: 14", 17" or 20" diameter spun aluminum industrial reflector. Anodized finish provides smooth, even lighting. Open or lensed optics available.

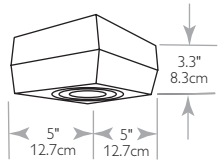
Electrical: Porcelain spring-loaded 4KV pulse rated socket-mogul base. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). HPF electronic compact fluorescent ballast >95% Pf, <10% THD. MA: RB supplied 6(120/277), SB supplied 8(120-277). HF: RB and SB supplied 8(120-277). Rated for 55°C ambient. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Mounting hub accepts ExceLine 1" tube stems (canopy/ball swivel included). Optional threaded mounting hub (TH) (N/A with SB) accepts ExceLine hooks-stems (by others). Consult factory for stems over 48".

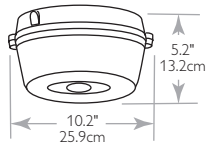
Listings/warranty: SB-UL 1598 listed for damp locations. RB-Optional wet location listing with TH option. Published five year limited warranty.

Dimensions

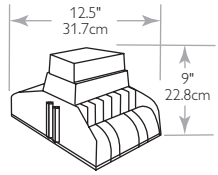




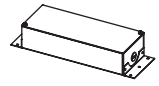
Compact Fluorescent Surface Ballast



175W HID Surface Ballast Multiple Compact Fluorescent Surface Ballast



250/400/1000W HID Surface Ballast



"RBBX" HID Remote Ballast (150w - 400w)

Solstice series

Commercial/retail

Applications include malls, retail outlets, home centers, supermarkets, libraries, car showrooms, schools, lobbies, manufacturing, cafeterias and auditoriums.

Ballast	Lens	Reflector	Wattage	Source	Stem	Finish	Voltage
RB-Remote Ballast(1)	**B**-Belly Lens	**12A**	**50**[ED17](2,5)	**MAOR**(1,6)	**12**	**SA**-Satin Aluminum	**1**-120
SB-Surface Ballast(1)	**E**-Flat Glass		**70**[ED17](2,5)		**24**		**4**-277
NB-No Ballast	**F**-Flat Textured Glass		**100**[ED17](2,5)		**36**		**6**-120/277
	H-Open(6)				**48**		
			26[PLT]	**HF**(1)			
			32[PLT]				
			42[PLT]				
			150[A](3)	**IN**			

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) RB/SB Voltage is 6(120/277).
(3) Maximum Wattage for enclosed unit-100W.
(4) Consult factory for High Pressure Sodium.
(5) HX/HPF Ballast.
(6) Open metal halide fixtures must have open-rated lamps.

Ballast	Lens	Reflector	Wattage	Source	Stem	Finish	Voltage
RB-Remote Ballast(1)	**C**-Conical	**16A**	**70**[ED17](2,5)	**MAOR**(8,9)	**12**	**SA**-Satin Aluminum	**1**-120
SB-Surface Ballast(1)	**D**-Drop		**100**[ED17](2,5)		**24**		**4**-277
NB-No Ballast	**E**-Flat Glass		**150**[ED17](4,6,7)	**EMAOR**(8)	**36**		**6**-120/277
	F-Flat Textured Glass		**175**[ED17](4,7)		**48**		**8**-120-277
	H-Open(8)		**1/2-26**[PLT]	**HF**			
			1/2-32[PLT]				
			1/2-42[PLT]				
			300[A]	**IN**			

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) RB/SB Voltage is 6(120/277).
(3) Consult factory for High Pressure Sodium.
(4) CWA Ballast.
(5) HX/HPF Ballast.
(6) Must use EMA.
(7) Available as remote/RB.
(8) Open metal halide fixtures must have open-rated lamps.
(9) 70 and 100w only.

Ballast	Lens	Reflector	Wattage	Source	Stem	Finish	Voltage
RB-Remote Ballast(1)	**C**-Conical	**22A**	**150**[BT37](10,11)	**EMAOR**(13)	**12**	**SA**-Satin Aluminum	**1**-120
SB-Surface Ballast(1)	**D**-Drop		**175**[BT37](11)	**PMAOR**(13)	**24**		**4**-277
NB-No Ballast	**E**-Flat Glass		**250**[E/BT37](12)		**36**		**6**-120/277
	F-Flat Textured Glass		**400**[E/BT37](12)		**48**		**8**-120-277
	H-Open(13)		**1000**[E/BT37](5)	**MA**			**11**-200-277
			1/2/3-26[PLT]	**HF**			
			1/2/3-32[PLT]				
			1/2/3-42[PLT]				
			500[A]	**IN**			

Features

Construction: SB (Surface Ballast) housing is precision die cast aluminum. RB (Remote HID Ballast) is stamped steel FCAN style, or provided with UL Listed enclosure. RB for Compact Fluorescent requires separate ballast enclosure (provided). Corrosion resistant Duraplex II satin aluminum polyester powder coated finish standard. Optional designer finishes available for reflector exterior only. (Consult factory)

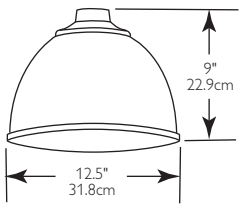
Optics: 12", 16" or 22" diameter precision spun smooth aluminum reflector. Satin finish provides smooth even lighting. Open or shielded optics available.

Electrical: Porcelain spring-loaded 4KV pulse rated socket-medium base. HPF high reactance HID ballast. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). HPF electronic compact fluorescent ballast >95% Pf, <10% THD. MA: RB and SB supplied 6(120/277).1 HF: RB and SB supplied 8(120-277).1 Rated for 55°C ambient (open only). All metal halide fixtures are pulse start with open-rated sockets.

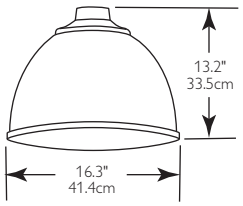
Mounting: Mounting hub accepts ExceLine 3/4" tube stems. 35° swivel ball hanger (not for use outdoors) and finishing canopy provided with fixture. Consult factory for stems over 48".

Listings/warranty: UL 1598 listed for damp locations. Published five year limited warranty.

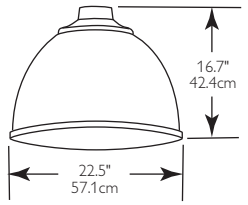
Dimensions



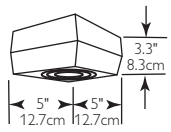
12"



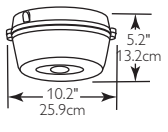
16"



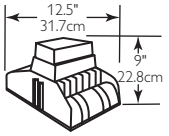
22"



Compact Fluorescent Surface Ballast



175W HID Surface Ballast
Multiple Compact Fluorescent Surface Ballast



250/400/1000W HID Surface Ballast

Notes
(1) Consult factory for Lamp to Ballast distance.
(2) RB/SB Voltage is 6(120/277).
(3) Maximum Wattage for enclosed unit-175W.
(4) Consult factory for High Pressure Sodium.
(5) Open or flat glass only.
(6) CWA Ballast.
(7) HX/HPF Ballast.
(8) Requires ROJ reduced jacketed lamps.
(9) Open on flat glass only.
(10) Must use EMA.
(11) Cannot be "RB".
(12) "RB" must be EMA.
(13) Open metal halide fixtures must use open-rated lamps.

Revealer series

Commercial/retail

Applications include malls, supermarkets, shopping centers, hospitals, hotels, car dealerships, office complexes, schools & colleges, fast Food sites and restaurants.

Prefix	Cell count	Wattage	Source	Options	Voltage
RHP	**9**	**175**[E/BT28] **250**[E/BT28] **400**[E/BT28]	**PMA**		**1**-120 **4**-277
		150[E23.5] **250**[E18] **400**[E18](1)	**LX**		

Notes
(1) Consult factory.

Prefix	Door style	Wattage	Source	Options	Voltage
RHL	**AF**-Aluminum Flush **AR**-Aluminum Regressed **SF**-Steel Flush **SR**-Steel Regressed	**100**[E/BT28] **175**[E/BT28] **250**[E/BT28] **400**[E/BT28]	**PMA**	**VL**-Symmetric / Vandal Lens	**1**-120 **4**-277
		150[E23.5] **250**[E18] **400**[E18](1)	**LX**		

Notes
(1) Consult factory.

Prefix	Wattage	Source	Options	Voltage
RHO	**100**[E/BT28] **175**[E/BT28] **250**[E/BT28] **400**[E/BT28]	**PMA**	**OR**-Open Rated	**1**-120 **4**-277
	150[E23.5] **250**[E18] **400**[E18](1)	**LX**		

Notes
(1) Consult factory.

Features

Construction: Formed steel housing. Hinged and latched enclosures. White polyester powder coated finish. Formed steel top reflector easily removed for plenum access. Truncated-pyramidal sides. Lensed model available with polycarbonate lens for gym use. Open High-Bay: Formed steel mounting pan with White polyester powder-coated finish. Formed aluminum reflector is multifaceted for excellent beam distribution. Hinged and latched enclosures for easy maintenance. Corrosion-resistant White polyester powder-coated finish. Available with optional lens enclosure.

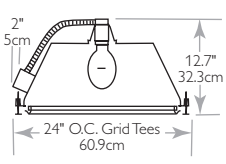
Optics: Parabolic: vertical lamp for uniform louver brightness. 3" parabolic-shaped louver with semi-specular natural aluminum finish. White polyester powder coated interior. 90 to 92% reflectance. 1/8" clear C73 tempered glass overlay. Louver is available in 9-cell configuration. Lensed: Vertical lamp for uniform brightness. Truncated pyramidal reflector for uniformity. Acrylic pattern 12, .125 lens with 1/8" tempered clear glass overlay. Open Highbay: Spun multifaceted aluminum reflector. Vertical lamp mounting for greater efficiency.

Electrical: Porcelain spring loaded 4KV pulse rated socket-mogul base. CWA, HPF encapsulated ballast for quiet operation. Starting temperature: LX(HPS)-40°F/-40°C, MA(MH)-20°F/-30°C. All metal halide fixtures are pulse start.

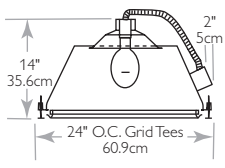
Mounting: Door frame fits into inverted T-bar ceiling. Optional field installed flange kit. (FMK-22) for non-grid ceilings.

Listings/warranty: UL 1598 listed for wet locations (covered ceilings only). Published one year limited warranty.

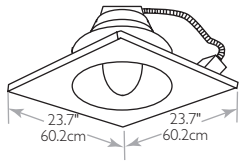
Dimensions

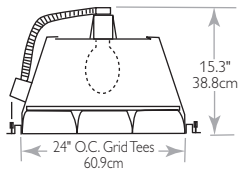


150-250 Watt Unit

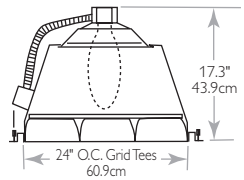


400 Watt Unit

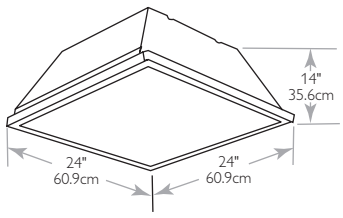




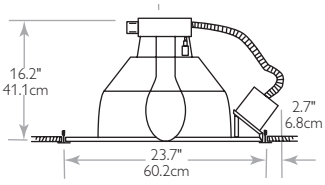
175-250 Watt Unit



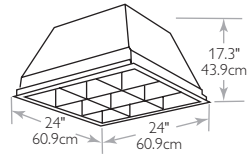
400 Watt Unit



RHL



RHO



RHP

Kaleidoscope series pendant

Commercial/retail

Perfect for restaurants, taverns or nightclubs, food courts, atriums or plazas, malls, retail outlets, stores, athletic clubs and facilities, theaters, arenas, stadiums and amusement parks.

Features

Construction: Precision die-cast aluminum electrical enclosure. Heat and shock resistant, prismatic glass optical chamber with neoprene gasketing. Corrosion resistant Duraplex II White polyester powder coated finish standard. Optional designer finishes available (Consult factory).

Optics: Low glare clear prismatic glass globe standard. Approximately 40% uplight.

Electrical: Incandescent: Porcelain spring-loaded 4KV pulse rated socket-medium base. Sockets are pre-wired with 1/2" stripped leads. Compact Fluorescent ballasts are electronic HPF >95%, <10% THD. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). Starting temperature: 0˚F/-18˚C. HID: Porcelain spring-loaded 4KV pulse rated socket-medium base. PMA(PS) ballasts are HX-HPF or CWA. LX(HPS) ballasts are NPF or HX-HPF. Starting temperature: LX(HPS)-40˚F/-40˚C, PMA(PS)-20˚F/-30˚C.

Mounting: INC-1/2" NPT hub for stem or pipe mounting. PLT-1/2" NPT hub for stem or pipe mounting. Optional cable/coil cord mounting. HID -3/4" NPS hub for stem or pipe mounting.

Listings/warranty: UL 1598 listed for wet locations-Globe down only. Published one year limited warranty. Not for use in hazardous or classified locations. Not for recessed mounting.

Prefix	Wattage	Source	Globe	Cage	Options	Voltage
RLP	**100** [A]-Size 1(1) **200** [A]-Size 2(2)	**IN**	**AG**-Amber(1) **BG**-Blue(1) **CG**-Clear **G**-Clear Prismatic **GG**-Green(1) **LG**-Lexan **OG**-Opal(1) **RG**-Ruby(1)	**C**		**1**-120

Notes
(1) 60W maximum on all colored globes (Size 1).
(2) 75W maximum on all colored globes (Size 2).

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RLP	**26** [PLT] **32** [PLT] **42** [PLT]	**HF**(2)	**L**	**AG**-Amber(1) **BG**-Blue(1) **CG**-Clear **G**-Clear Prismatic **GG**-Green(1) **LG**-Lexan **OG**-Opal(1) **RG**-Ruby(1)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **8**-120-277

Notes
(1) 42W maximum on all colored globes.
(2) For use in 25°C (77°F) maximum-ambient).

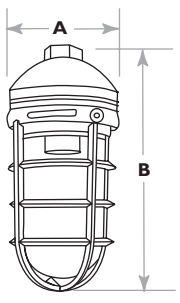
Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RLP	**70** [ED17] **100** [ED17] **150** [ED17](4) **35** [ED17] **50** [ED17] **70** [ED17] **100** [ED17] **150** [ED17]	**MA** **PMA** **NLX**(1) **NLX**(1) or **LX**(2) **NLX**(1) or **LX**(2) **LX**(2) **LX**(2)	**L**	**AG**-Amber(3) **BG**-Blue(3) **CG**-Clear **G**-Clear Prismatic **GG**-Green(3) **LG**-Lexan **OG**-Opal(3) **RG**-Ruby(3)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) Normal Power Factor. Voltage is 1(120).
(2) Voltage is 8(120-277).
(3) 100W HID maximum on all colored globes.
(4) For use in 25°C (77°F) maximum-ambient).

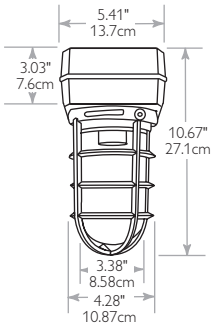
Dimensions

Size 1-Inc
H=4.28"
10.7cm
W=9.70"
24.6cm

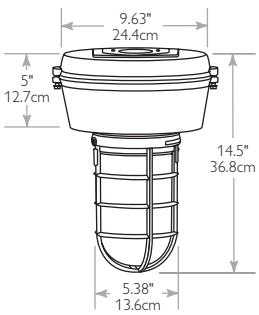
Size 2-Inc
H=5.38"
13.6cm
W=10.8"
27.4cm



Incandescent



Compact fluorescent



HID

Kaleidoscope series wall

Commercial/retail

Applications include malls, supermarkets, shopping centers, hospitals, hotels, car dealerships, office complexes, schools & colleges, fast food sites and restaurants.

Prefix	Wattage	Source	Globe	Cage	Options	Voltage
RLW	**100** [A]-Size 1(1) **200** [A]-Size 2(2)	**IN**	**AG**-Amber(1) **BG**-Blue(1) **CG**-Clear **G**-Clear Prismatic **GG**-Green(1) **LG**-Lexan **OG**-Opal(1) **RG**-Ruby(1)	**C**		**1**-120

Notes
(1) 60W maximum on all colored globes (Size 1).
(2) 75W maximum on all colored globes (Size 2).

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RLW	**26** [PLT] **32** [PLT] **42** [PLT]	**HF**(2)	**L**	**AG**-Amber(1) **BG**-Blue(1) **CG**-Clear **G**-Clear Prismatic **GG**-Green(1) **LG**-Lexan **OG**-Opal(1) **RG**-Ruby(1)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **8**-120-277

Notes
(1) 42W maximum on all colored globes.
(2) For use in 25°C (77°F) maximum-ambient).

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RLW	**70** [ED17] **100** [ED17] **150** [ED17](4) **35** [ED17] **50** [ED17] **70** [ED17] **100** [ED17] **150** [ED17]	**MA** **PMA** **NLX**(1) **NLX**(1) or **LX**(2) **NLX**(1) or **LX**(2) **LX**(2) **LX**(2)	**L**	**AG**-Amber(3) **BG**-Blue(3) **CG**-Clear **G**-Clear Prismatic **GG**-Green(3) **LG**-Lexan **OG**-Opal(3) **RG**-Ruby(3)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) Normal Power Factor. Voltage is 1(120).
(2) Voltage is 8(120-277).
(3) 100W HID maximum on all colored globes.

Features

Construction: Precision die-cast aluminum ballast enclosure. Die cast aluminum ballast box. Heat and shock resistant, prismatic glass optical chamber with neoprene gasketing. Corrosion resistant Duraplex II White polyester powder coated finish standard. Optional designer finishes available (Consult factory).

Optics: Low glare clear prismatic glass globe standard. Approximately 40% uplight.

Electrical: INC: Porcelain spring-loaded 4KV pulse rated socket-medium base. Sockets are pre-wired with extra long 1/2" stripped leads. CF: Compact Fluorescent ballasts are electronic HPF >95%, <10% THD. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). Starting temperature: 0°F/-18°C. HID: Porcelain spring-loaded 4KV pulse rated socket-medium base. MA(MH) ballasts are HX-HPF or CWA. LX(HPS) ballasts are NPF or HX-HPF. Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C.

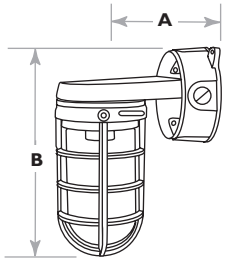
Mounting: INC/CF - 4/side, 1/back 1/2" NPT holes. HID-1/back, 3/4" NPS hub.

Listings/warranty: UL 1598 listed for wet locations—Globe down only. Published one year limited warranty. Not for use in hazardous or classified locations. Not for recessed mounting.

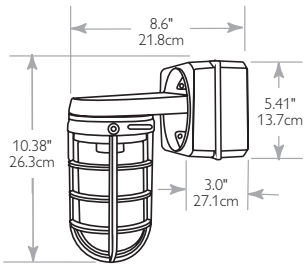
Dimensions

Size 1-Inc
A=7.2"
18.2cm
B=9.7"
24.6cm

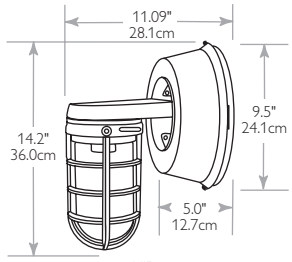
Size 2-Inc
A=7.5"
19.0cm
B=11.38"
28.9cm



Incandescent



Compact fluorescent



HID

Kaleidoscope series surface

Commercial/retail

Perfect for restaurants, taverns or nightclubs, food courts, atriums or plazas, malls, retail outlets, stores, athletic clubs and facilities, theaters, arenas, stadiums and amusement parks.

Features

Construction: Precision die-cast aluminum electrical enclosure. Die-cast aluminum junction box (Incandescent). Precision die-cast aluminum ballast enclosure (CF). Die-cast aluminum ballast box (HID). Heat and shock resistant, prismatic glass optical chamber with neoprene gasketing. Corrosion resistant Duraplex II white polyester powder coated finish standard. Optional designer finishes available (Consult factory).

Optics: Low glare clear prismatic glass globe standard. Approximately 40% uplight.

Electrical: INC: Porcelain spring-loaded 4KV pulse rated socket-medium base. Sockets are pre-wired with extra long 1/2" stripped leads. CF: Compact Fluorescent ballasts are electronic HPF >95%, <10% THD. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). Starting temperature: 0°F/-18°C. HID: Porcelain spring-loaded 4KV pulse rated socket-medium base. PMA(MH) ballasts are HX-HPF or CWA. LX(HPS) ballasts are NPF or HX-HPF. Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C.

Mounting: 4/side, 1/back 1/2" NPT holes. HID: 1/back, 3/4" NPS hubs.

Listings/warranty: UL 1598 listed for wet locations-Globe down only. Published one year limited warranty. Not for use in hazardous or classified locations. Not for recessed mounting.

Prefix	Wattage	Source	Globe	Cage	Options	Voltage
RLS	**100** [A]-Size 1(1) **200** [A]-Size 2(2)	**IN**	**AG**-Amber(1) **BG**-Blue(1) **CG**-Clear **G**-Clear Prismatic **GG**-Green(1) **LG**-Lexan **OG**-Opal(1) **RG**-Ruby(1)	**C**		**1**-120

Notes
(1) 60W maximum on all colored globes (Size 1).
(2) 75W maximum on all colored globes (Size 2).

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RLS	**26** [PLT] **32** [PLT] **42** [PLT]	**HF**(2,3)	**L**	**AG**-Amber(1) **BG**-Blue(1) **CG**-Clear **G**-Clear Prismatic **GG**-Green(1) **LG**-Lexan **OG**-Opal(1) **RG**-Ruby(1)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **8**-120-277

Notes
(1) 42W maximum on all colored globes.
(2) Voltage is 8(120-277).
(3) For use in 25°C (77°F) maximum-ambient).

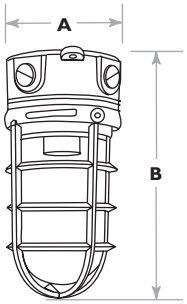
Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RLS	**70** [ED17](1) **100** [ED17](1) **150** [ED17](5) **35** [ED17] **50** [ED17] **70** [ED17] **100** [ED17] **150** [ED17](5)	**MA** **PMA** **NLX**(2) **NLX**(2) or **LX**(3) **NLX**(2) or **LX**(3) **LX**(3) **LX**(3)	**L**	**AG**-Amber(4) **BG**-Blue(4) **CG**-Clear **G**-Clear Prismatic **GG**-Green(4) **LG**-Lexan **OG**-Opal(4) **RG**-Ruby(4)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) Voltage is 6(120/277)HX/HPF.
(2) Normal Power Factor. Voltage is 1(120).
(3) Voltage is 8(120-277).
(4) 100W HID maximum on all colored globes.
(5) For use in 25°C (77°F) maximum-ambient).

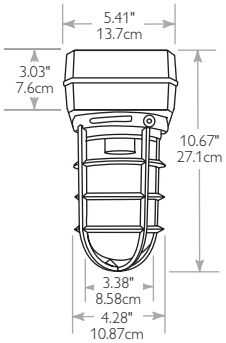
Dimensions

Size 1-Inc
H=4.28"
10.7cm
W=9.70"
24.6cm

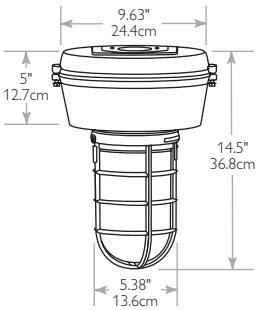
Size 2-Inc
H=5.38"
13.6cm
W=10.8"
27.4cm



Incandescent



Compact fluorescent



HID

Kaleidoshade series

Commercial/retail

Applications include restaurants, taverns or nightclubs, food courts, atriums or plazas, malls, retail outlets, stores, athletic clubs and facilities, theaters, arenas, stadiums and amusement parks.

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RTT	**70** [ED17](1) **100** [ED17](1)	**MA**	**L**	**AG**-Amber(5) **BG**-Blue(5) **CG**-Clear **G**-Clear Prismatic **GG**-Green(5) **LG**-Lexan **OG**-Opal(5) **RG**-Ruby(5)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **6**-120/277
	35 [ED17] **50** [ED17]	**NLX**(2) **NLX**(2) or **LX**(3)					
	70 [ED17]	**NLX**(2) or **LX**(3)					
	100 [ED17] **150** [ED17]	**LX**(3) **LX**(3)					
	26 [PLT] **32** [PLT] **42** [PLT]	**HF**(6)					
	100 [A] **200** [A]	**IN**(4)					

Notes
(1) Voltage is 6(120/277)HX/HPF.
(2) Normal Power Factor. Voltage is 1(120).
(3) Voltage is 6(120/277).
(4) Voltage is 1(120).
(5) 100W HID maximum on all colored globes
(6) 42W maximum on all colored globes.

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RDB	**70** [ED17](1) **100** [ED17](1)	**MA**	**L**	**AG**-Amber(5) **BG**-Blue(5) **CG**-Clear **G**-Clear Prismatic **GG**-Green(5) **LG**-Lexan **OG**-Opal(5) **RG**-Ruby(5)	**C**		**1**-120 **2**-208 **3**-240 **4**-277 **6**-120/277 **8**-120-277
	35 [ED17] **50** [ED17]	**NLX**(2) **NLX**(2) or **LX**(3)					
	70 [ED17]	**NLX**(2) or **LX**(3)					
	100 [ED17] **150** [ED17]	**LX**(3) **LX**(3)					
	26 [PLT] **32** [PLT] **42** [PLT]	**HF**(6)					
	100 [A] **200** [A]	**IN**(4)					

Notes
(1) Voltage is 6(120/277)HX/HPF.
(2) Normal Power Factor. Voltage is 1(120).
(3) Voltage is 6(120/277).
(4) Voltage is 1(120).
(5) 100W HID maximum on all colored globes
(6) 42W maximum on all colored globes.

Features

Construction: Spun aluminum decorative shade. Heat and shock resistant, prismatic glass optical chamber with neoprene gasketing. Corrosion resistant Duraplex II White polyester powder coated finish standard. Optional designer finishes available (Consult factory). Shades painted both sides unless ordered otherwise.

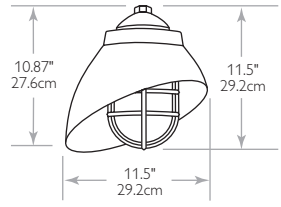
Optics: Low glare clear prismatic glass globe.

Electrical: All ballasts are remote mounted Fcan only (HF provided with UL Listed enclosure). Porcelain spring-loaded 4KV pulse rated socket-medium base. Compact Fluorescent ballasts are electronic HPF >95%, <10% THD. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). Starting temperature: LX(HPS)-40˚F/-40˚C, PMA(PS)-20˚F/-30˚C, HF(PLT)0˚F/-18˚C. Consult factory for lamp to ballast distances. All metal halide fixtures are pulse start.

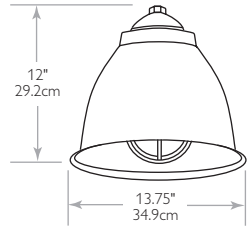
Mounting: Requires 1/2" threaded conduit/stem (sold separately). Die-cast aluminum guard turns and locks into place. Tamper-proof stainless steel screws lock guard to housing.

Listings/warranty: UL 1598 listed for wet locations. Published one year limited warranty.

Dimensions



RTT



RDB

Kaleidoshade series

Commercial/retail

Perfect for restaurants, taverns or nightclubs, food courts, atriums or plazas, malls, retail outlets, stores, athletic clubs and facilities, theaters, arenas, stadiums and amusement parks.

Features

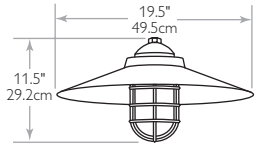
Construction: Spun aluminum decorative shade. Heat and shock resistant, prismatic glass optical chamber with neoprene gasketing. Corrosion resistant Duraplex II White polyester powder coated finish standard. Optional designer finishes available (Consult factory). Shades painted both sides unless ordered otherwise.
Optics: Low glare clear prismatic glass globe.

Electrical: All ballasts are remote mounted Fcan only (HF provided with UL Listed enclosure). Porcelain spring-loaded 4KV pulse rated socket-medium base. Compact Fluorescent ballasts are electronic HPF >95%, <10% THD. PLT four pin base GX24q-3(26/32W), GX24q-4(42W). Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C, HF(PLT)0°F/-18°C. Consult factory for lamp to ballast distances. All metal halide fixtures are pulse start.

Mounting: Requires 1/2" threaded conduit/stem. Die-cast aluminum guard turns and locks into place. Tamper-proof stainless steel screws lock guard to housing.

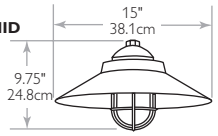
Listings/warranty: UL 1598 listed for wet locations. Published one year limited warranty.

Dimensions

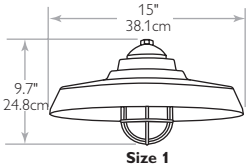


Size 2
Incandescent or HID

RSA

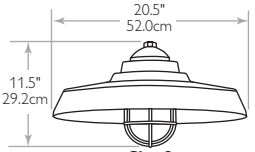


Size 1
Incandescent or PLT



Size 1
Incandescent or PLT

RIN



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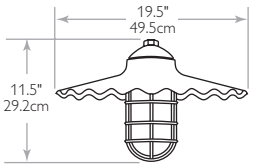
Incandescent or HID



RWV

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RSA	**70** [ED17](1) **100** [ED17](1) **150** [ED17](6) **35** [ED17] **50** [ED17] **70** [ED17] **100** [ED17] **150** [ED17] **26** [PLT] **32** [PLT] **42** [PLT] **100** [A] **200** [A]	**MA** **PMA** **NLX**(2) **NLX**(2) or **LX**(3) **NLX**(2) or **LX**(3) **LX**(3) **LX**(3) **HF**(4,7) **IN**(4)	**L**	**AG**-Amber(5) **BG**-Blue(5) **CG**-Clear **G**-Clear Prismatic **GG**-Green(5) **LG**-Lexan **OG**-Opal(5) **RG**-Ruby(5)	**C**		**1**-120 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) Voltage is 6(120/277)HX/HPF.
(2) Normal Power Factor. Voltage is 1(120).
(3) Voltage is 6(120/277).
(4) Voltage is 1(120).
(5) 100W HID maximum on all colored globes.
(6) Outdoor use only (150w).
(7) 42W maximum on all colored globes.

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RIN	**70** [ED17](1) **100** [ED17](1) **150** [ED17](6) **50** [ED17] **70** [ED17] **100** [ED17] **150** [ED17] **26** [PLT] **32** [PLT] **42** [PLT] **100** [A] **200** [A]	**MA** **PMA** **NLX**(2) or **LX**(3) **NLX**(2) or **LX**(3) **LX**(3) **LX**(3) **HF**(4,7) **IN**(4)	**L**	**AG**-Amber(5) **BG**-Blue(5) **CG**-Clear **G**-Clear Prismatic **GG**-Green(5) **LG**-Lexan **OG**-Opal(5) **RG**-Ruby(5)	**C**		**1**-120 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) Voltage is 6(120/277)HX/HPF.
(2) Normal Power Factor. Voltage is 1(120).
(3) Voltage is 6(120/277).
(4) Voltage is 1(120).
(5) 100W HID maximum on all colored globes.
(6) Outdoor use only (150w).
(7) 42W maximum on all colored globes.

Prefix	Wattage	Source	Lamp	Globe	Cage	Options	Voltage
RWV	**70** [ED17](1) **100** [ED17](1) **150** [ED17](6) **35** [ED17] **50** [ED17] **70** [ED17] **100** [ED17] **150** [ED17] **26** [PLT] **32** [PLT] **42** [PLT] **100** [A] **200** [A]	**MA** **PMA** **NLX**(2) **NLX**(2) or **LX**(3) **NLX**(2) or **LX**(3) **LX**(3) **LX**(3) **HF**(4,7) **IN**(4)	**L**	**AG**-Amber(5) **BG**-Blue(5) **CG**-Clear **G**-Clear Prismatic **GG**-Green(5) **LG**-Lexan **OG**-Opal(5) **RG**-Ruby(5)	**C**		**1**-120 **4**-277 **6**-120/277 **8**-120-277

Notes
(1) Voltage is 6(120/277)HX/HPF.
(2) Normal Power Factor. Voltage is 1(120).
(3) Voltage is 6(120/277).
(4) Voltage is 1(120).
(5) 100W HID maximum on all colored globes.
(6) Outdoor use only (150w).
(7) 42W maximum on all colored globes.

Kaleidoshade series

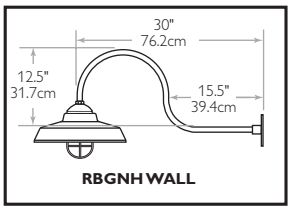
Commercial/retail

Kaleidoshade accessories
Accessories are field installed. Order as separate part number.

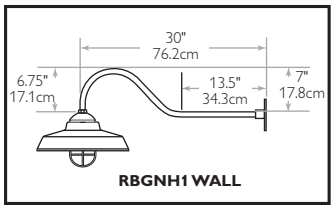
Available accessories for Kaleidoshade RSA, RIN, RWV, RTT & RDB

Decorative wall and pole mount arms
For remote ballast units.

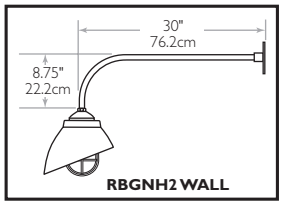
RBGNH	Wall mount gooseneck arm with maximum rise.
RBGNH1	Wall mount gooseneck arm with medium rise.
RBGNH2	Wall mount gooseneck arm with no rise.
RBGNV	Wall mount gooseneck arm with vertical rise.
RBPT3	Post top arm for mounting to 3 1/2" tenon.
RBPT7	Post top arm for mounting to 2 3/8" tenon.



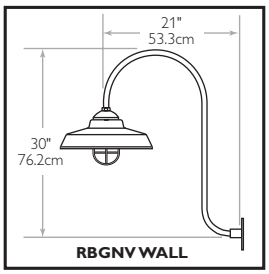
RBGNH WALL



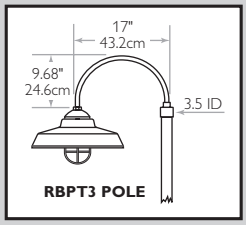
RBGNH1 WALL



RBGNH2 WALL

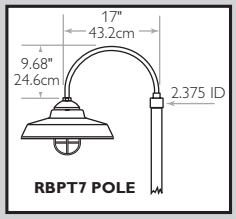


RBGNV WALL

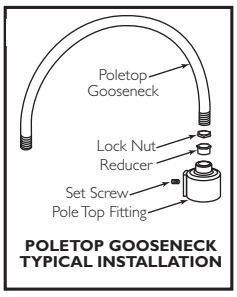


RBPT3 POLE

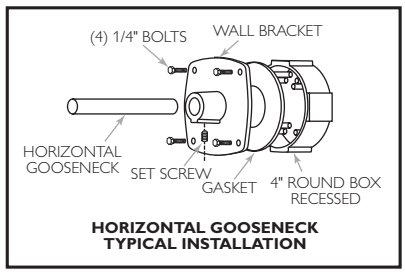
Incandescent Only



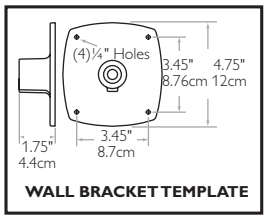
RBPT7 POLE



POLETOP GOOSENECK TYPICAL INSTALLATION



HORIZONTAL GOOSENECK TYPICAL INSTALLATION



WALL BRACKET TEMPLATE

Wallplate mounts "over" box – not to the box

Straight arms (ceiling mount)

1/2 - 14 Stem 12xx =	12" stem
1/2 - 14 Stem 24xx =	24" stem
1/2 - 14 Stem 36xx =	36" stem
1/2 - 14 Stem 48xx =	48" stem
RSWC1/2XX =	1/2" Threaded ball swivel with canopy (XX = color code)

BayLyter series LED

Industrial

Specially designed to offer state of the art lighting, environmental sustainability and energy savings in addition to minimizing your future fixture maintenance costs. Manufacturing, warehousing, large retail stores, home centers, cold storage, convention centers and gymnasiums are perfect applications for this impressive series.

Features

Construction: LED pods and ballast housings are constructed of precision die-cast aluminum with corrosion resistant polyester powder coat paint. Units have a mercury and lead free design and RoHS compliant electronics. Computer designed aluminum heat sinks and air flow control ensure long LED life in ambient temperatures up to 45°C.

Electrical: High power factor electronic integral LED dimming driver(s). Configurations from 72w to 289w based on pod, LEDs and driver options chosen. Surge suppression is standard.

LEDs: LEDs with up to 99LPW of fixture output available. 32 or 48 LED pods available with multiple lumen outputs from 7,000 - 24,000 lumens per fixture. Warm white (3000k), neutral white (4000k) and cool white (6000k) LEDs available. 70+ CRI.

Optics: Precise optical control located over each LED provides either wide, medium, narrow or aisle distributions.

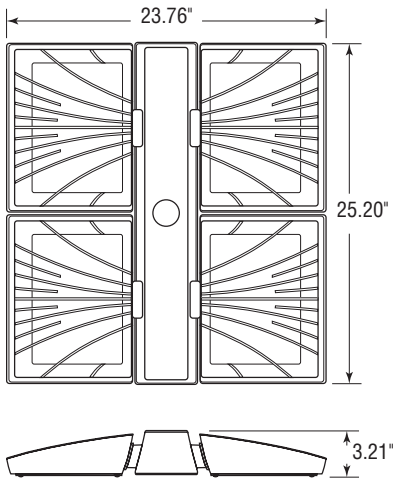
Mounting: Choices include single pendant/stem, hook and cord or aircraft cable hangers.

Listings/warranty: ETL approved for damp locations. Published 5 year warranty. IP65 and NSF ratings available as options (consult factory).

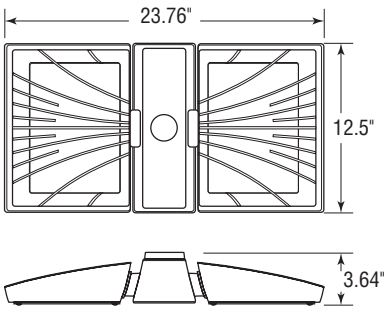
Series	Pod Qty.	Engine designator	Color temp.	Optics	Mounting	Options	Voltage	Color
BL - BayLyter Series	**2**	**A**-73W @ 350mA; 6,650 lm	**3**-Warm White	**A**-Aisle	**P**-3/4" Pendant Stem	See Below	**1**-(120v)	**W**-Textured White
	2	**B**-110W @ 530mA; 9,350 lm	**4**-Neutral White	**M**-Medium	**A**-Aircraft Cable		**2**-(208v)	**3**-(240v)
	2	**C**-143W @ 700mA; 11,200 lm	**6**-Cool White	**N**-Narrow	**H**-Hook		**3**-(240v)	**4**-(277v)
	2	**D**-105W @ 350mA; 9,600 lm		**W**-Wide (Lowbay)			**4**-(277v)	**5**-(480v)
	4	**A**-146W @ 350mA; 13,300 lm					**5**-(480v)	**6**-(347v)
	4	**B**-200W @ 530mA; 18,700 lm					**6**-(347v)	**8**-(120-277v)
	4	**C**-289W @ 700mA; 22,400 lm					**8**-(120-277v)	**T**-Titanium
	4	**D**-210W @ 350mA; 19,100 lm						

Dimensions

4-Pod



2-Pod



Options

Blank- Glass Lens
F12- Single Fuse
F22- Double Fuse
3C- 3' Cord, no Plug
3CD- 3' Cord, no Plug, extra cord for dimming
6C- 6' Cord, no Plug
6CD- 6' Cord, no Plug, extra cord for dimming
3P1,2- 3' Cord and Twist-Lock Plug
3PD1,2- 3' Cord and Twist-Lock Plug for line voltage, extra cord and plug for dimming
6P1,2- 6' Cord and Twist-Lock Plug
6PD1,2- 6' Cord and Twist-Lock Plug for line voltage, extra cord and plug for dimming
N1- Indirect Mounting
P- Protection - IP65 Rating (with cable mounting only)
L- Diffuse Lens
E1- Emergency Lampholder (lamp by others)
MC1,2- 360° Motion Sensor with Control 0 – 10V
MA1,2- 360° Motion Sensor with Adjustable Day Lighting Control
WL- Wet Location

Accessories: WG - Wire Guard

Notes
1. Not available with IP65 Rating or wet location listing.
2. Specify voltage

BayLyter Low-Bay series induction

Industrial

Low Bay applications include aisles, corridors, warehouses, assembly areas, and stockrooms, providing energy savings and long lamp life.

Prefix	Reflector	Wattage	Lamp color	Source	Lamp	Options	Voltage
BLCR-Conical Prismatic Enclosed refractor *__BLCA__-Conical Aluminum Enclosed Reflector **BLR**-Acrylic Reflector Open **BLA**-Aluminum Reflector Open	**22**	**165**-165w **85**-85w **55**-55w	**850** **840** **830**	**QL**-Induction (Philips)	**L**-Lamp Included	**F**-Single Fusing (120v or 277v) **J**-3-foot cord, plug (15 amp), hook **K**-3-foot cord, plug (20 amp), hook	**1**-120V **2**-208 **3**-240 **4**-277V

* Standard reflector finish painted white

Prefix	Reflector	Wattage	Lamp color	Source	Lamp	Options	Voltage
LBI-Low Bay Induction	**22**	**165**-165w **85**-85w **55**-55w	**850** **840** **830**	**QL**-Induction (Philips)	**L**-Lamp Included	**F**-Single Fusing (120v or 277v) **J**-3-foot cord, plug (15 amp), hook **K**-3-foot cord, plug (20 amp), hook	**1**-120V **2**-208 **3**-240 **4**-277V

Notes
Must specify lamp color and voltage for all QL luminaires.

Features

Construction: Universal light-weight, easy to handle die-cast aluminum ballast housing finished in Duraplex II gray polyester powder.

Optics: Rigid heavy gauge aluminum reflector with high reflectant white polyester powder finish on interior and exterior. High impact UV stabilized acrylic refractor with linear and horizontal prisms, designed to optimize wide spread distribution.

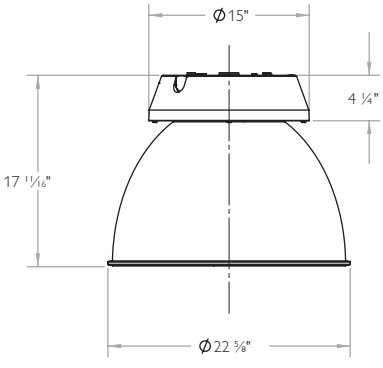
Electrical: Supplied with lamp vessel and socket. 25˚C ambient maximum. For use in open air ambient. Induction System rated for 100,000 hours.

Mounting: Mounting plate encloses integral splice chamber with a 3/4" threaded hub for conduit or ExceLine hooks.

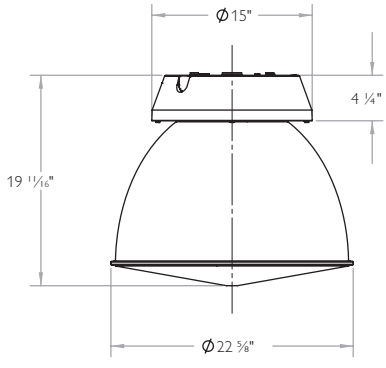
Listings/warranty: ETL listed for damp locations. Published five year limited warranty.

LBI

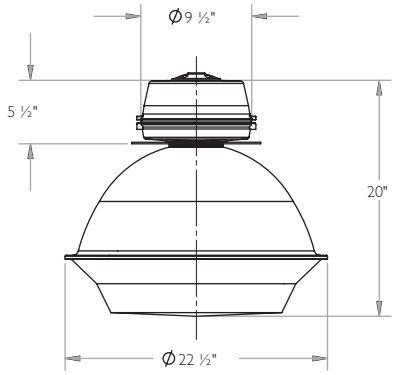
Dimensions



BLR / BLA



BLCR / BLCA



LBI

Sportlite TDX

Industrial

Sportlite's TDX series is available with multiple dome styles. TDX is the only luminaire that allows you to run 8-70 watt CF lamps, delivering 41,600 lumens and 20,000 hours of operation with a CRI of 82-84 in one luminaire. TDX's unique "Air Flow" design keeps the lamps and ballasts cooled to ensure optimum operation, and is approved for 40°C environments at full lumen capacity. TDX's options include multi-level switching, dimming ballasts, and internal or external emergency backup systems.

Series

TDX8
TDX8CC
TDX6
TDX6CC
TDX4
TDX4CC

Lamp type

T26
26 W
T32
32 W
T42
42 W
T57
57 W
T70
70 W
PLH85
85 W
(max 4 lamps)
PLH120
120 W
(max 4 lamps)

Color temp

27K
(26W only)
30K
35K
41K

Dome type

22LEXCP
22" clear prismatic poly
25LEXCP
25" clear prismatic poly

21ABS
21" ABS White
21ABSQ
21" ABS White (2x2 lay-in)
21PRL
21" Pearl Polycarbonate
21AL
21" Spun Aluminum
25AL
25" Spun Aluminum

Lens type (1)

22CLP - 22" conical poly prismatic
22DL3P (2) - 22"-3" drop poly prismatic
22FLPV - 22" flat poly clear-vented
25FLPV - 25" flat poly clear-vented

21DLCP - 21" drop clear poly
21DLPP - 21" drop poly prismatic
21FLPV - 21" flat clear poly
21FLPPV - 21" flat poly prismatic - vented

Voltage

120
208
277
347

Switching

1SL - 1 switch leg
2SL - 2 switch legs
3SL - 3 switch legs
4SL - 4 switch legs

Mounting (3)

3PEN - pendant by others
H
male hook
C
single circuit cord 6'
CM
Multi circuit cord 6'
HC
Male hook & single circuit cord 6'
HCM
Male hook & multi circuit cord 6'
HCP
Male hook, single circuit cord 6', straight plug
HCPL
Male hook, single circuit cord 6' & locking plug
HCMPL
Male hook, multi circuit cord 6' & locking plug

Emergency Ballast options

EP42 - IOTA I-42B, One Lamp, 32w-650 lm, 42w-750 lm - IM
EP420SD - IOTA ISD-420A, One Lamp, 32W-1050 lm, 42w-1300 lm, C Single Circuit Cord 6' 57w-1160 lm, 70w-1200 lm, Self-Diagnostic - EX
EP420 - IOTA I-420A, One Lamp, 32w -1050 lm, 42w-1300 lm,57w-1160 lm, 70w-1200 lm - EX
EP74CST (9) - Bodine B74CST, 42w-1000 lm, 32w-750 lm - EX
EP75C - Bodine B75C, One Lamp, 32w-600 lm, 42w-800 lm, 57w-1150 lm, 70w-1300 lm - EX
EP160 - IOTA I-160, Two Lamp 42w- 3000 lm, One Lamp 57w-2700 lm, One Lamp 70w-2800 lm - EX
EP94 - Bodine B94C, 750 Lumens, 42w-One Lamp - IM
EP30 - Bodine B30, Two Lamp, 42w-3500 lm, One Lamp, 42w-3200 lm - EX
GTD - Bodine, Generator Transfer Device - IM

Dimming ballast (8)

DM42-2M7(6)
Advance, Mark VII, 32/42w- Two Lamps, 57/70w-One Lamp
DM42-2MX (5)
Advance, Mark X, 32/42w-Two Lamp, 57/70w-One Lamp
DM42-2SE (7)
DM42-2SE Lutron Compact SE, 42w – Two Lamps
DM32-2SE (7)
Lutron Compact SE, 32w – Two Lamps
DM32-2TU (5)
Lutron, Tu-Wire, 32w – Two Lamps

Accessories

SC - 6' Safety Cable to Ballast Box
FU - In-Line Fuse (One Per Switch Leg)
DMC - Dual Mounting Crossbar
22FWG - Full Wireguard (Covers Entire Reflector)
21WG[1] - 21" Wire Guard
21XWG[1] - Wire Guard (For use with drop lens)

[1]available with aluminum and pearl dome only

22WG[2] - 22" Wire Guard
22XWG[2] - Wire Guard (For Use with Conical Lens)
25WG[2] - 25" Wire Guard

[2]available with clear prismatic dome only

P16W[3] - 16 Cell Parabolic, white
P16S[3] - 16 Cell Parabolic, specular

[3]not available with clear prismatic dome

P16G[4] - 16 Cell Parabolic, gold

[4]available with pearl and ABS white dome only

DSW[5] - Decorative shroud, white
DSCC[5] - Decorative shroud, custom color
2X2CPW[5] - 2x2 Ceiling pan, white

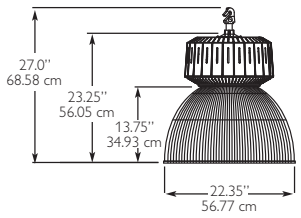
[5]available with aluminum dome only

For complete specifications and available options and accessories, see spec sheet at www.exceline.com.

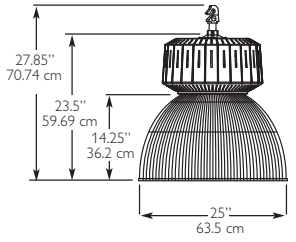
Notes:
(1) Only FLPV-XWG can be used with TDX-T57/T70 or TDX4-H120.
(2) Cannot be used with any wire guard.
(3) Plug Not Availble with 4 Switch Legs.
(4) EX = External Mount IM = Internal Mount (Consult Factory for EM/Cord/Plug Compatibility)
(5) Advance Mark X and Lutron Tu-Wire Ballasts Require a 2-Wire Wall Dimmer.
(6) Requires a 2-Wire 0-10 Volt Dimmer in addition to the Normal Hot, Neutral and Ground.
(7) Requires one control wire in addition to the normal hot, neutral & ground.
(8) Must specify the quantity of dimming ballasts required per fixture.
(9) Only available with clear prismatic and spun aluminum dome types.

Dimensions

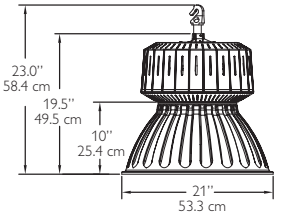
22" Clear Prismatic Dome



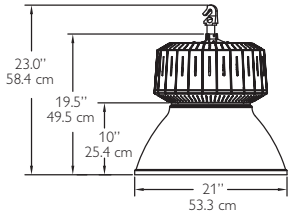
25" Clear Prismatic Dome



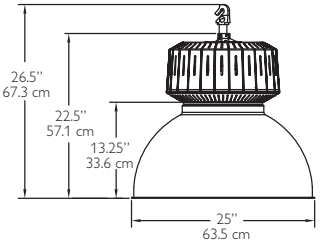
21" Pearl Dome



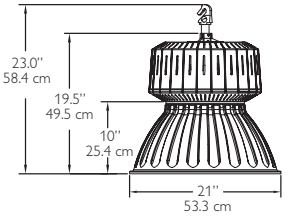
21" Aluminum Dome



25" Aluminum Dome



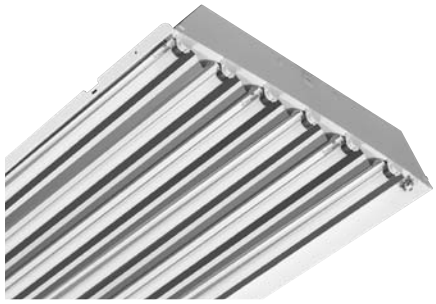
21" White ABS Dome



FluorLyter FB

Industrial

High bay replacement for retail, industrial and commercial applications requiring more natural, even illumination on both horizontal and vertical planes.



Series	Width	# Lamps	Wattage	Ballast	# Ballast	Voltage	Options
FB - FluorLyter Linear Fluorescent	**N** - Narrow	**2** [T5HO only] **3** [T5HO only] **4**	**32** - 32w T8 [48"] **54** - 54w T5HO [48"]	**EB** - Electronic Ballast	**1** - [1] ballast **2** - [2] ballasts	**1** - 120v **4** - 277v **5** - 480v **8** - 120-277v	See Below

Series	Width	# Lamps	Wattage	Ballast	# Ballast	Voltage	Options
FB - FluorLyter Linear Fluorescent	**W** - Wide	**6**	**32** - 32w T8 [48"] **54** - 54w T5HO [48"]	**EB** - Electronic Ballast	**2** - [2] 3-light ballasts **3** - [3] 2-light ballasts **4** - [1] 4-light ballast and [1] 2-light ballast	**1** - 120v **4** - 277v **5** - 480v **8** - 120-277v	See Below

Features

Construction: Precision die-formed 22GA steel housing. Architectural post-painted finish eliminates exposed edges for safe handling. Low profile. Top access plate located at each end. Hinged reflector panel/ access door.

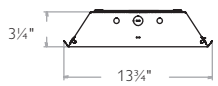
Electrical: Instant-on. T8 units provided with a 1.18 ballast factor instant start electronic ballast. T5HO units provided with a 1.0 ballast factor programmed rapid start electronic ballast.

Optics: Beveled Miro 4 reflector surrounds each lamp for optimum efficiency. 2-, 3-, 4- and 6-lamp T5HO and T8 configurations.

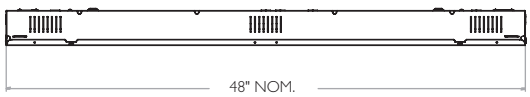
Mounting: Accepts stem, pendant, chain or cable mounting.

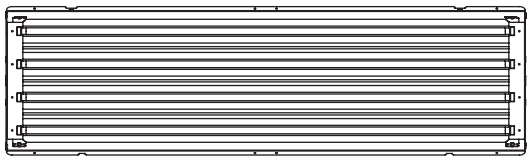
Listings/warranty: UL listed for damp locations. Published one-year limited warranty.

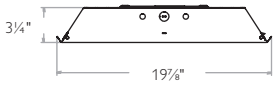
Dimensions

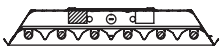


FBN

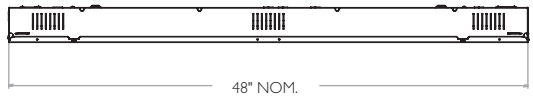


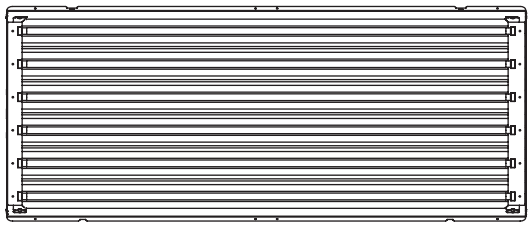






FBW



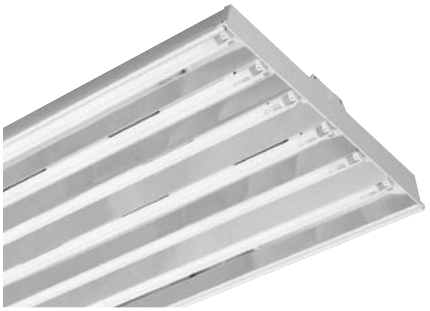


Options

3C- 3-foot SO cord only
6C- 6-foot SO cord only
3F- 3-foot SO cord and 15-amp NEMA plug (specify voltage)
6F- 6-foot SO cord and 15-amp NEMA plug (specify voltage)
3T- 3-foot SO cord and 20-amp NEMA plug (specify voltage)
6T- 6-foot SO cord and 20-amp NEMA plug (specify voltage)
F1- Fusing
CP- Center mount for 3/4" pipe (includes hardware and box)
CH- Center mount with hook (includes hardware, hook and box with fixture balanced)
WHR- White painted reflector
835- Pre-lamped with (T8/T5HO) 35K
841- Pre-lamped with (T8/T5HO) 41K
850- Pre-lamped with (T8/T5HO) 50K
JP- Job Pack - environmentally friendly packaging, eliminates individual cartons (with lamps only)
MDED- Installed Etlin Daniels motion sensor. Contact factory when used with combinations with CH or CP center mount option.
E1- 1 lamp emergency powerpack (635 lumen T8 / 700 lumen T5HO). Cannot be center mounted. Specify voltage
E2- 1 lamp emergency powerpack (1100 lumen T8 / 1250 lumen T5HO) Cannot be center mounted. Specify voltage.
QD- Quick disconnect installed in fixture (for NEC Compliance)

Dimming- Consult factory

See accessories and options section for accessory availability.



FluorLyter FL

Industrial

Ideally suited for high-ceiling retail applications requiring even illumination light distribution.

Series	Width	Uplight	# Lamps	Wattage	Ballast	# Ballast	Voltage	Options
FL = FluorLyter Linear Fluorescent	**N** = Narrow	**D** = Direct **U** = Uplight	**2** [T5HO only] **3** [T5HO only] **4**	**32** = 32w T8 (48") **54** = 54w T5HO (48")	**EB** = Electronic Ballast	**1** = [1] ballast **2** = [2] ballasts	**1** = 120v **4** = 277v **5** = 480v **8** = 120-277v	See Options and Accessories Section
FL = FluorLyter Linear Fluorescent	**W** = Wide	**D** = Direct **U** = Uplight	**6**	**32** = 32w T8 [48"] **54** = 54w T5HO [48"]	**EB** = Electronic Ballast	**2** = [2] 3-light ballasts **3** = [3] 2-light ballasts **4** = [1] 4-light ballast and [1] 2-light ballast	**1** = 120v **4** = 277v **5** = 480v **8** = 120-277v	See Options and Accessories Section

Features

Construction: 22-gauge, precision-formed housing.

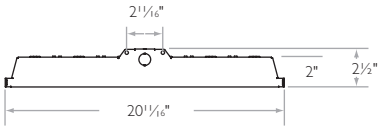
Electrical: Standard with electronic ballasts for 120V, 277V, 480V or voltage sensing 120-277V applications. Quick startup T5 linear fluorescent lamps. Optional 120/277v fusing. T5 units provided with a 1.0 ballast factor program rapid start electronic ballast. T8 units provided with a 1.18 ballast factor instant start electronic ballast.

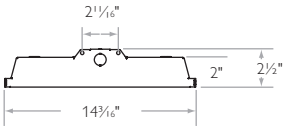
Optics: Miro4 reflector, "D" = solid, "U" = uplight slots. Maintains lumen output up to 95% initial rated value compared to HID lamps. Saves up to 50% of energy consumption over the life of the system. Extremely high CRI with greater light uniformity and no color shift. Built-in multiple light levels with instant-on. Four-light or six-light T5HO and T8 configurations.

Mounting: Multiple options with the flexibility of high bays. Accepts center, stem, pendant or chain mounting.

Listings/warranty: UL 1598 damp locations. Published one-year limited warranty.

Dimensions





WeT-Bay

Industrial

Tested and certified by NSF International. UL Wet Location, IP66, IP67, NEMA 4x, RoHS.

Food processing, cold storage, beverage and bottling facilities, washdown areas, car washes.

Series	# Lamps	Lamp/Watts	Ballast	# Ballast	Voltage	Options
WFE - WeT-Bay Linear Fluorescent	**4** **6**	**32** - 32w T8 [48"] **54** - 54w T5HO [48"]	**EB** - Electronic Ballast	**2** - [2] 2-lamp ballast **3** - [3] 2-lamp ballasts	**5** - 480v **8** - 120-277v	See Options and Accessories Section

Features

Construction: Designed to minimize the retention of liquids or debris when hosed off. 5VA flammability rating (UL94) (f1) on housing (UL176). Water clear lens with frosted ends. Poured in place gasket and stainless steel latches seal the enclosures from most hostile environments. Captive geartray opens from either side for easy access. Wide profile designed around T8 and T5HO lamps for long term energy savings. Tamper-resistant stainless steel latches standard.

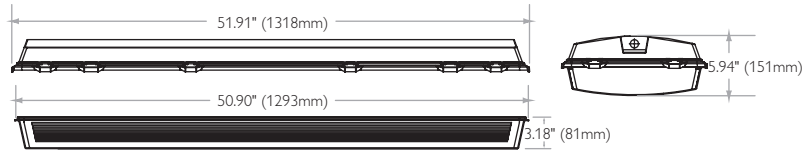
Electrical: T8 ballasts are 1.18 ballast factor instant start. Rated for 25°C (6-light) & 40°C (4-light) ambient temperatures.

Optics: White reflector standard (min. 87%). Optional specular reflectors provide narrow beam distribution. 4-, and 6-lamp T5HO and T8 configurations.

Mounting: Mounting options for V-Hook, cable and ceiling mounting systems. Utilizes off-the-shelf 1/2" liquid-tight fittings.

Listings/warranty: Wet location listed (1,300 psi hosedown). Published one-year limited warranty.

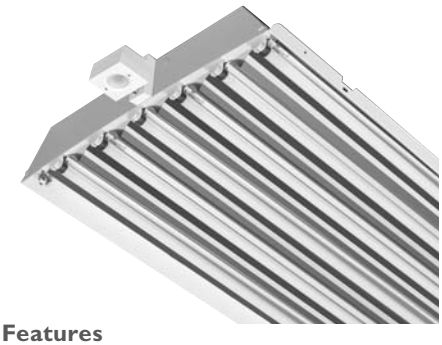
Dimensions



SmarT-Bay

Industrial

One source, one solution and one warranty. Motion sensor high bay perfect for retail, industrial and commercial applications requiring more natural, even illumination on both horizontal and vertical planes.



Series	Width	# Lamps	Wattage	Ballast	# Ballast	Voltage	Options
IB - SmarT-Bay Linear Fluorescent	**W** - Wide	**6** - 6 lamps	**32** - 32w T8	**EB** - Instant Start	**2** - [2] 3-lamp ballasts **4** - [1] 4-lamp ballast and [1] 2-lamp ballast	**1** = 120v **2** = 208v **3** = 240v **4** = 277v **5** = 480v **6** = 120/277v	See Below
			54 - 54w T5HO	**EB** - Programmed Rapid Start	**4** - [1] 4-lamp ballast and [1] 2-lamp ballast		
	N - Narrow	**4** - 4 lamps	**54** - 54w T5HO	**EB** - Programmed Rapid Start	**1** - [1] 4-lamp ballast	**1** = 120v **2** = 208v **3** = 240v **4** = 277v **5** = 480v **6** = 120/277v	See Options and Accessories Section

Without sensor

Width	# Lamps	Wattage	Ballast	# Ballast	Voltage	Options
W - Wide	**6** - 6 lamps	**32** - 32w T8	**EB** - Instant Start	**2** - [2] 3-lamp ballasts **4** - [1] 4-lamp ballast and [1] 2-lamp ballast	**5** = 480v **8** = 120-277v	See Options and Accessories Section
		54 - 54w T5HO	**EB** - Programmed Rapid Start	**4** - [1] 4-lamp ballast and [1] 2-lamp ballast		
N - Narrow	**4** - 4 lamps	**54** - 54w T5HO	**EB** - Programmed Rapid Start	**1** - [1] 4-lamp ballast	**5** = 480v **8** = 120-277v	See Options and Accessories Section

Features

Construction: Low-profile precision die-formed steel housing. Architectural post-painted finish eliminates exposed edges for safe handling. Multi-level switching capability. Top access plate and rotatable end-caps provide access to wiring chamber. Hinged reflector panel/access door. Individually packaged on skid (standard). Available in environmentally friendly Job-Pack for reduced waste (see option JP).

Electrical: Outperforms conventional 400 watt MH technology for a fraction of the energy consumption with 4-lamp T5HO or T8 and 6-lamp T5HO or T8. T5HO units provided with Advance Centium ballasts and T8 units provided with Advance Optanium ballasts.

Optics: Beveled Miro 4 highly reflective anodized aluminum reflector surrounds each lamp for optimum efficiency.

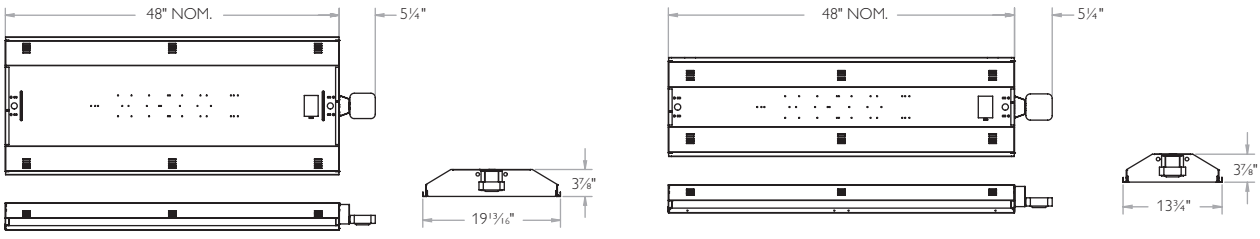
Sensor: LampMaximizer passive infrared sensor has circular 30-40 ft. diameter coverage. Mounting height 15 to 45 ft. Fixture is also available without sensor.

Mounting: Accepts stem, pendant or chain mounting.

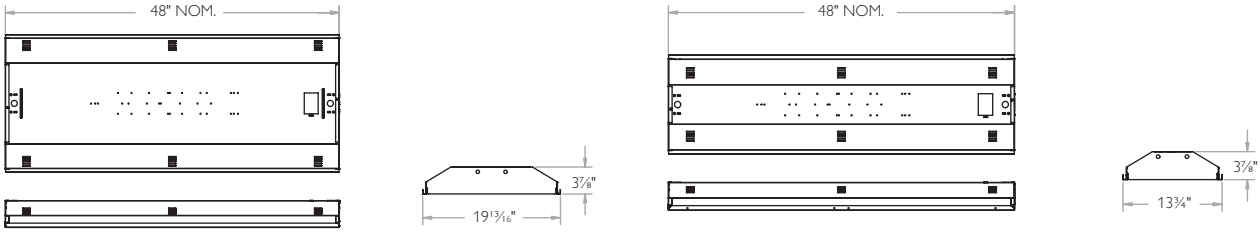
Listings/warranty: UL 1598 damp locations. 3-year system warranty (Philips One-Call).

Dimensions

SmarT-Bay



Without Sensor



BayLyter EconoBay series

Industrial

Applications include manufacturing facilities, warehouses, gymnasiums, distribution centers, sports facilities, convention centers, retail outlets.

Features

Construction: Rugged die-formed steel ballast housing with white finish. Heavy gauge yoke provides positive mounting of reflector to ballast assembly.

Optics: Field adjustable light distribution patterns. Efficient, high bay luminaire for general purpose industrial lighting.

Electrical: Porcelain spring-loaded 4KV pulse rated socket-mogul base. Ballasts are HPF, Constant Wattage Autotransformer. Wiring box with 3/4" knockouts for thru-wire conduit connections. Starting temperature: LX(HPS)-40˚F/-40˚C, PMA(PS)-20˚F/-30˚C. Ambient temperature ratings-open and enclosed: 250W PMA(PS) or LX(HPS) and above rated for 55°C. LowBay: Ambient temperature ratings-open and enclosed: 250W PMA(PS) or LX(HPS) and above rated for 45°C. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Mounting via 3/4" rigid conduit (pendant hanger) hub or ExceLine hooks.

Listings/warranty: UL 1598 listed for damp locations. Published one year limited warranty.

Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BE	**H**-Open **S**-Shielded (Lens only)	**14** **17**	**250** [E/BT28] **400** [E/BT37] **250** [E/BT28] **320** [E/BT28] **350** [E/BT37] **400** [E/BT37]	**LXOR** **PMAOR**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

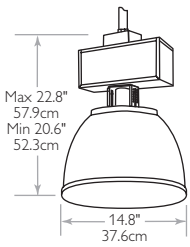
Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BE	**C**-Conical **D**-Drop **E**-Flat Acrylic(2) **G**-Open	**16** **22**	**250** [E18] **400** [E18](1) **250** [E/BT28] **320** [E/BT28](1) **350** [E/BT37](1) **400** [E/BT37](1)	**LX** **PMAOR**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Open only. Not available with lenses (16").
(2) Flat glass lens for 22".

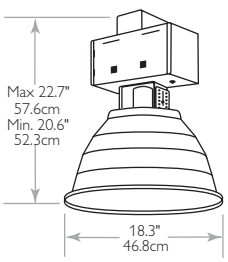
Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BE	**L**-LowBay	**22**	**250** [E18] **400** [E18](1) **250** [E/BT28] **320** [E/BT28] **350** [E/BT37] **400** [E/BT37]	**LX** **PMAOR**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Open only. Not available with lenses (16").

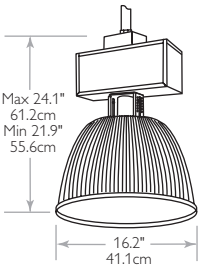
Dimensions



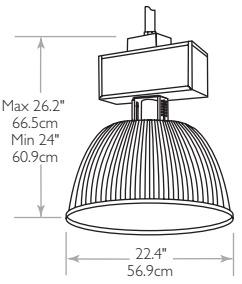
14"



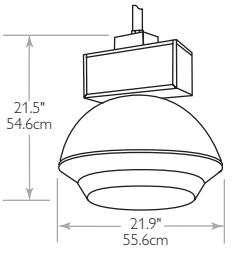
17"



16"



22"



LowBay

BayLyter series

Industrial

Applications include manufacturing facilities, warehouses, gymnasiums, distribution centers, sports facilities, convention centers, retail outlets.

Features

Construction: Heavy duty, precision die-cast aluminum ballast housing. Heavy duty steel socket plate. Separate ballast and capacitor/ignitor compartments. Corrosion resistant Duraplex II gray polyester powder coated finish standard. Optional designer finishes available (Consult factory).

Optics: Faceted 14", 17" and 20" diameter highbay reflector is spun from heavy gauge, anodized aluminum. Clear heat-tempered glass lens (Shielded and Enclosed units). Formed steel dust cap (Enclosed units only). Adjustable reflector support brackets.

Electrical: Porcelain spring-loaded 4KV pulse rated socket-mogul base. HPF CWA, Super CWA, or Linear Reactor ballast. Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C. Rated for 55°C. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Mounting plate encloses integral splice chamber with a 3/4" threaded hub for conduit or ExceLine hooks.

Listings/warranty: UL 1598 listed for damp locations. Published one-year limited warranty.

Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BY	**E**-Enclosed (Lens and Dust Cap) **H**-Open **S**-Shielded (Lens Only)	**14**	**175** [E/BT28] **200** [E/BT28] **250** [E/BT28] **320** [E/BT28] **350** [E/BT37] **400** [E/BT37] **150** [E/BT18](3) **250** [E/BT28] **400** [E/BT37]	**PMA** **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **LX**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Voltage is 8(120-277).
(2) Voltage is 4(277). Linear reactor.
(3) HX/HPF ballast.

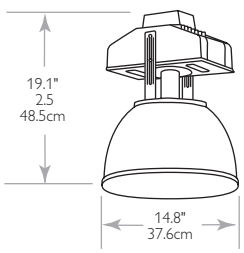
Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BY	**E**-Enclosed (Lens and Dust Cap) **H**-Open **S**-Shielded (Lens Only)	**17**	**175** [E/BT28] **200** [E/BT28] **250** [E/BT28] **320** [E/BT28] **350** [E/BT37] **400** [E/BT37] **450** [E/BT37] **150** [E23.5] **250** [E18] **400** [E18]	**PMA** **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **LX**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Voltage is 4(277). Linear reactor.

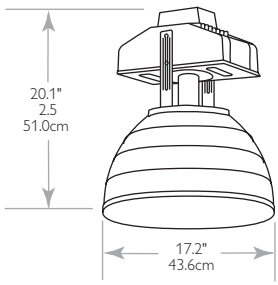
Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BY	**E**-Enclosed (Lens and Dust Cap) **H**-Open **S**-Shielded (Lens Only)	**20**	**320** [E/BT28] **350** [E/BT37] **400** [E/BT37] **450** [E/BT37] **750** [E/BT37] **1000** [E/BT56] **250** [E18] **400** [E18]	**PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **MA** **LX**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Voltage is 4(277). Linear reactor.

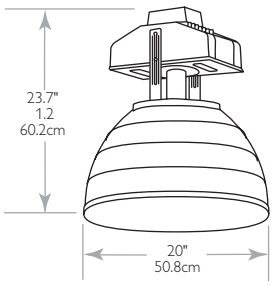
Dimensions



14"



17"



20"

BayLyter LowBay series

Industrial

Applications include manufacturing facilities, warehouses, gymnasiums, distribution centers, sports facilities, convention centers, retail outlets.

Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BY	**L**	**22**	**175** [E/BT28]	**PMA**	See accessories & options section for availability	**1**-120
			200 [E/BT28]	**PMAOR** or **LROR**(1)		**4**-277
			250 [E/BT28]	**PMAOR** or **LROR**(1)		**5**-480
			320 [E/BT28]	**PMAOR** or **LROR**(1)		**8**-120-277
			350 [E/BT37]	**PMAOR** or **LROR**(1)		
			400 [E/BT37]	**PMAOR** or **LROR**(1)		
			450 [E/BT37]	**PMAOR** or **LROR**(1)		
			100 [E23.5](2)	**LX**		
			150 [E23.5](2)			
			250 [E18]			
			400 [E18]			

Notes
(1) Voltage is 4(277). Linear reactor.
(2) HX/HPF ballast.

Features

Construction: Heavy duty, precision die-cast aluminum ballast housing. Heavy duty steel socket plate. Separate ballast and capacitor/ignitor compartments. Corrosion resistant Duraplex II Gray polyester powder coated finish standard (housing).

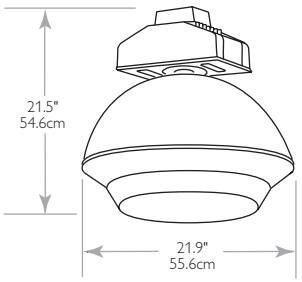
Optics: 22" diameter lowbay reflector is polyester powder coated in high reflectance white (Inside and out). High impact UV stabilized acrylic refractor. GymBay: Heavy duty ring fastens refractor to reflector with 4 machine screws. High impact polycarbonate refractor.

Electrical: HPF CWA, Super CWA, or Linear Reactor ballast. Porcelain spring-loaded 4KV pulse rated socket-mogul base. Starting temperature: LX(HPS)-40°F/-40°C, MA(MH)-20°F/-30°C. Rated for 45°C. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Mounting plate encloses integral splice chamber with a 3/4" threaded hub for conduit or ExceLine hooks.

Listings/warranty: UL 1598 listed for damp locations. Published one year limited warranty.

Dimensions



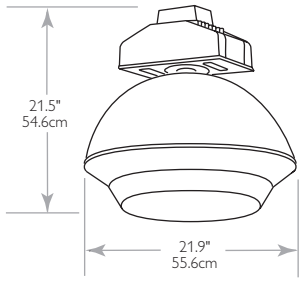
BayLyter GymBay

Industrial

Prefix	Lens	Reflector	Wattage	Source	Suffix	Voltage
BY	**L**	**22**	**175** [E/BT28]	**PMA**	**GYM**	**1**-120
			200 [E/BT28]	**PMAOR** or **LROR**(1)		**4**-277
			250 [E/BT28]	**PMAOR** or **LROR**(1)	See accessories & options section for availability	**5**-480
			320 [E/BT28]	**PMAOR** or **LROR**(1)		**8**-120-277
			350 [E/BT37]	**PMAOR** or **LROR**(1)		
			400 [E/BT37]	**PMAOR** or **LROR**(1)		
			450 [E/BT37]	**PMAOR** or **LROR**(1)		
			100 [E23.5](2)	**LX**		
			150 [E23.5](2)			
			250 [E18]			
			400 [E18]			

Notes
(1) Voltage is 4(277).
(2) HX/HPF ballast.

Dimensions



BayLyter SoftBay series

Industrial

Applications include manufacturing facilities, warehouses, gymnasiums, distribution centers, sports facilities, convention centers, retail outlets.

Features

Construction: Heavy duty, precision die-cast aluminum ballast housing. Heavy duty steel socket plate. Separate ballast and capacitor/ignitor compartments. Corrosion resistant Duraplex II gray polyester powder coated finish standard. Optional designer finishes available (Consult Factory).

Optics: UV stabilized impact resistant acrylic. Uplight component eliminates dark ceiling. Field adjustable light distributions.

Electrical: Porcelain spring-loaded 4KV pulse rated socket-mogul base. HPF CWA, Super CWA, or Linear Reactor ballast. Starting temperature: LX(HPS)-40˚F/-40˚C, MA(MH)-20˚F/-30˚C. All metal halide fixtures are pulse start with open-rated sockets.

Mounting: Mounting plate encloses integral splice chamber with a 3/4" threaded hub for conduit or ExceLine hooks.

Listings/warranty: UL 1598 listed for damp locations. Published one year limited warranty and ten year warranty on acrylic refractors.

Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BY	**C**-Conical(5) **D**-Drop(5) **E**-Flat Acrylic(5) **G**-Open	**16**(6)	**175** [E/BT28] **200** [E/BT28] **250** [E/BT28] **320** [E/BT28](1) **350** [E/BT28](1) **400** [E/BT37](1) **150** [E23.5](4) **250** [E18] **400** [E18]	**PMA** **PMAOR** or **LROR**(3) **PMAOR** or **LROR**(3) **PMAOR** or **LROR**(3) **PMAOR** or **LROR**(3) **PMAOR** or **LROR**(3) **LX**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Not available with a lens.
(2) Voltage is 8(120-277).
(3) Voltage is 4(277). Linear reactors
(4) HX/HPF ballast.
(5) Lens only, no dust cap.
(6) Quartz restrike not available within refractor. Must use par lamp on ballast housing.

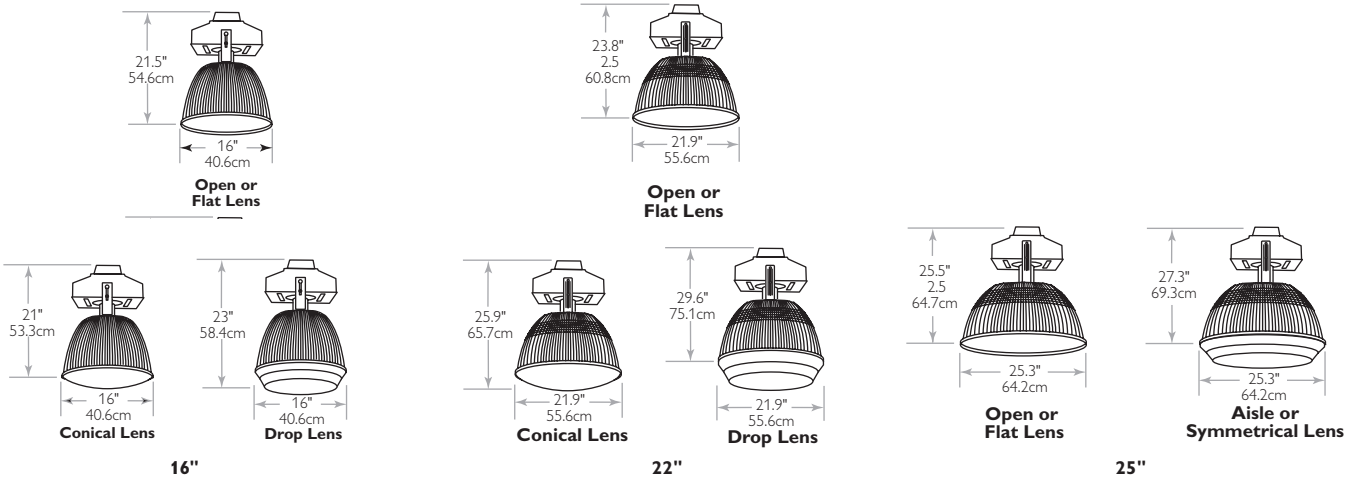
Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BY	**C**-Conical(3) **D**-Drop(3) **E**-Flat Acrylic(3) **G**-Open **P**-Polycarbonate	**22**	**175** [E/BT28] **200** [E/BT28] **250** [E/BT28] **320** [E/BT28] **350** [E/BT28] **400** [E/BT37] **450** [E/BT37] **150** [E23.5](2) **250** [E18] **400** [E18]	**PMA** **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **PMAOR** or **LROR**(1) **LX**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Voltage is 4(277). Linear reactor.
(2) HX/HPF ballast.
(3) Lens only, no dust cap.

Prefix	Lens	Reflector	Wattage	Source	Options	Voltage
BY	**A**-Aisle Drop(3) **D**-Symmetrical Drop(3) **G**-Open	**25**	**200** [E/BT28] **250** [E/BT28] **320** [E/BT28] **350** [E/BT28] **400** [E/BT37] **450** [E/BT37] **750** [E/BT37](1) **250** [E18] **400** [E18]	**PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **PMAOR** or **LROR**(2) **LX**	See accessories & options section for availability	**1**-120 **2**-208 **3**-240 **4**-277 **5**-480 **8**-120-277

Notes
(1) Not available with a lens or lamp.
(2) Voltage is 4(277). Linear reactor.
(3) Lens only, no dust cap.

Dimensions



Performer series PFHB

Industrial

Applications include industrial facilities, manufacturing plants, retail, swimming pools, cafeterias and gymnasiums.

Features

Optical system: Computer designed 18" (450W and below) and 22" (1000W) diameter stepped optics. Reflector is spun from high purity, chemically brightened and anodized aluminum. The open reflector includes a self-cleaning ventilated design for natural air flow. Enclosed and gasketed reflector have bottom lens and dust cap to prevent airborne contaminants from entering the optical chamber. Narrow (N) or Wide (W) distribution available to suit the lighting criteria, and a tempered glass is standard. 5 mil FEP Teflon® lens is optional (transmits 5% more light than clear glass.) Units with Teflon® lens alone require the use of Open Rated lamps. Standard open optic unit is constructed to IP22. Standard enclosed optic unit is constructed to IP52. Wet Location unit is constructed to IP54. With Less Ballast option, unit is constructed to IP54.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast options are available.

Finish: Ballast enclosure has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Lamp/socket: Requires the use of open rated mogul-based lamps.

Mounting: Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Series
Metal Halide (1)
PFM-1000 (4)
Pulse Start Metal Halide (2)
PFP-250
PFP-320
PFP-350
PFP-400
PFP-450
PFP-1000 (3)
High Pressure Sodium (4)
PFS-250
PFS-400
PFS-1000

Optics
NO (3)
Narrow distribution Open construction
WO (3)
Wide distribution Open construction
NE
Narrow distribution Enclosed construction, clear glass lens
WE
Wide distribution Enclosed construction, clear glass lens
NTE
Narrow distribution Enclosed construction with Teflon® lens (requires the use of Open Rated Lamps)
WTE
Wide distribution Enclosed construction with Teflon® lens (requires the use of Open Rated Lamps)

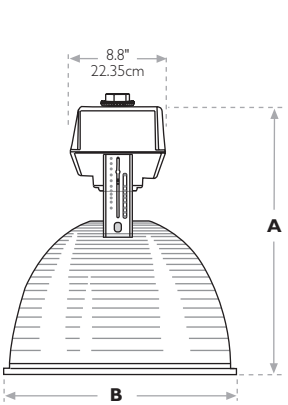
Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.

Options
See Options and Accessories Section for Availability

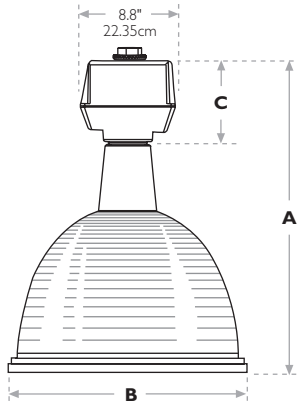
Notes
(1) Per the 2005 National Electric Code (NEC 2005); Open MH luminaires require the use of "O" rated lamps. Do not install a lamp identified for use in Enclosed Luminaires.
(2) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp.
(3) At time of publication, a 1000 watt Pulse Start Metal Halide open rated lamp is not available. Consequently, open optics are not available in 1000 watt Pulse Start units.
(4) Open construction is standard for Performer Series HPS; consult factory for Enclosed construction.

Also available in CosmoPolis and MasterColor Elite HID. Refer to spec sheets for details.

Dimensions



Open Optics



Enclosed Optics

18" Optics (450W and Below)

	NARROW	WIDE
A	21.0" - 22.3" 53.34cm - 56.52cm	19.8" - 21.0" 50.17cm - 53.34cm
B	18.0" 45.72cm	18.0" 45.72cm
C	8.5" 21.59cm	8.5" 21.59cm

22" Optics (1000W)

	NARROW	WIDE
A	28.0" - 28.5" 71.12cm - 72.39cm	27.8" - 28.3" 70.49cm - 71.76cm
B	22.0" 55.88cm	22.0" 55.88cm
C	11.0" 27.94cm	11.0" 27.94cm

Performer series PFLB

Industrial

Applications include industrial facilities, manufacturing plants, retail, distribution centers, indoor sports facilities and cafeterias.

Series
Pulse Start Metal Halide
PFP-250
PFP-350
PFP-400
High Pressure Sodium
PFS-250
PFS-400

Optical Assembly
LB22
22" diameter Low Bay reflector with refractive lens
LB28
28" diameter Low Bay reflector with refractive lens

Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.

Options
See Options and Accessories Section for Availability

Also available in CosmoPolis and MasterColor Elite HID.
Refer to spec sheets for details.

Features

Optical system: A hinged and gasketed optical assembly is featured in either a 22" or 28" diameter reflectors. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly which features a permanently sealed acrylic refractor. Standard unit constructed to IP52. With Less Ballast option, unit is constructed to IP54. With Wet Location option, unit is constructed to IP54.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast options are available.

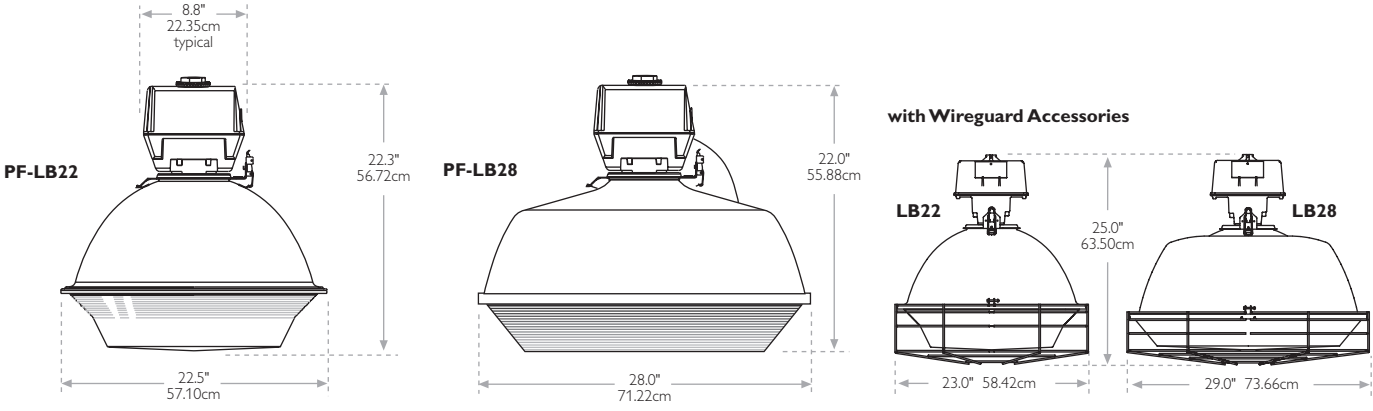
Finish: Ballast enclosure has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Lamp/socket: Requires the use of open rated mogul-based lamps.

Mounting: Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Dimensions



Performer series PFAHB

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Features

Optical system: The prismatic refractor is injection molded from UV stabilized acrylic and provides high angle vertical footcandle values while maintaining low brightness lighting. Also included is an uplight component for ceiling fill and an open optics feature for ventilated self-cleaning. Open units are available with 19", 22" or 25" diameter refractors. Enclosed optical assembly consists of the upper prismatic refractor and a permanently sealed conical or dropped refractive lens. 25" units are available with dropped Lens only. Standard open unit is constructed to IP22. Standard enclosed unit is constructed to IP52. Wet Location unit is constructed to IP54.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast options are available.

Lamp/socket: Requires the use of mogul-based lamps.

Finish: The A19O unit's yoke features a white UltraClad finish. Enclosed optics feature a cap finished in white UltraClad polyester powder coat, electrostatically applied and oven cured. Ballast enclosure has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Mounting: Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Series
Metal Halide (1)
PFM-1000 (4)
Pulse Start Metal Halide (2)
PFP-175
PFP-200
PFP-250
PFP-350
PFP-400
PFP-450
High Pressure Sodium (3)
PFS-250
PFS-400
PFS-1000 (4)

Optics
A19O
19" Acrylic prismatic reflector - Open (5)
A22O
22" Acrylic prismatic reflector - Open
A25O
25" Acrylic prismatic reflector - Open (6)

C22E
22" Acrylic prismatic reflector - enclosed with Conical lens
D22E
22" Acrylic prismatic reflector - enclosed with Dropped lens
D25E
25" Acrylic prismatic reflector - enclosed with Dropped lens

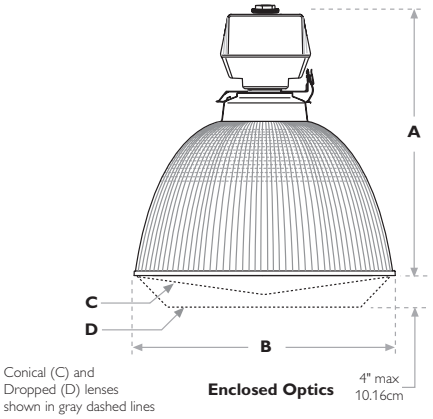
Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.

Options
See Options and Accessories Section for Availability

Notes
(1) Per the 2005 National Electric Code (NEC 2005); Open MH luminaires require the use of "O" rated lamps. Do not install a lamp identified for use in Enclosed Luminaires.
(2) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp.
(3) Open construction is standard for Performer Series HPS; consult factory for Enclosed construction.
(4) Suitable for use with 25" Open Reflector only. See note 6.
(5) Field adjustable: Narrow or Wide Distribution.
(6) Suitable for 1000W MH or HPS. At time of publication no open rated 1000W PSMH lamp is available.

Also available in CosmoPolis and MasterColor Elite HID.
Refer to spec sheets for details.

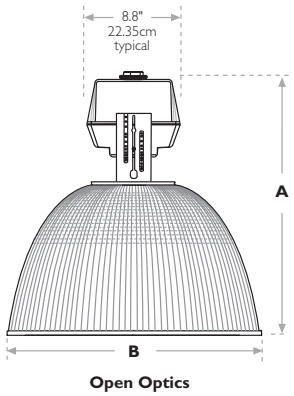
Dimensions



C22E 250W	A	B
	26.3" 66.68cm	22.5" 57.15cm

D22E 250W	A	B
	27.3" 69.22cm	22.5" 57.15cm

D25E 450W	A	B
	27.3" 69.22cm	25.5" 64.77cm



A190 250-450W	A	B
	23.0" - 25.1" 58.42cm - 62.83cm	19.2" 48.74cm

A22E 250-450W	A	B
	18.3" - 20.1" 46.36cm - 51.13cm	22.5" 57.15cm

A250 1000W	A	B
	21.3" - 23.1" 53.98cm - 58.75cm	25.5" 64.77cm

Performer series PFCB

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, distribution centers, indoor tennis courts and gymnasiums.

Series
Pulse Start Metal Halide
Requires open rated lamps.
PFP-250
PFP-320
PFP-350
PFP-400
PFP-450 (1)
High Pressure Sodium
PFS-250
PFS-400

Optics
CBC
Comfort Bay reflector with prismatic acrylic Conical lens

CBD
Comfort Bay reflector with prismatic acrylic Drop lens

Voltage
120
208
240
277
480
QV
Quad-voltage ballast available with standard magnetic ballast only. Allows field selection of 120/208/240/277 voltage. Certain options require voltage selection as well.

Voltage for E-Ballast Dimming Available for:
PFP-320
PFP-350
PFP-400
PFP-450 (1)
Consult factory for 250W electronic ballast availability and additional information.

208E 208V electronic ballast
208E1 208V Metrolight electronic ballast
208E3 208V Venture electronic ballast
208E4 (2) 208V Advance Dynavision electronic ballast
240E 240V electronic ballast
240E1 240V Metrolight electronic ballast
240E3 240V Venture electronic ballast
240E4 (2) 240V Advance Dynavision electronic ballast
277E 277V electronic ballast
277E1 277V Metrolight electronic ballast
277E3 277V Venture electronic ballast
277E4 (2) 277V Advance Dynavision electronic ballast

Options
See Options and Accessories Section for Availability

Notes
(1) 450W electronic ballast available in 277V only.
(2) See E4 ballast detail for alternate ballast housing.

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Features

Optical system: Features a hinged and gasketed optical assembly. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly which features a permanently sealed prismatic refractor, available in either a conical or a drop profile. An uplight component option is available to provide fill light on ceiling surfaces to improve the quality of the lighting environment. Standard unit constructed to IP52. With Less Ballast option, unit is constructed to IP54. With Wet Location option, unit is constructed to IP54.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast options are available.

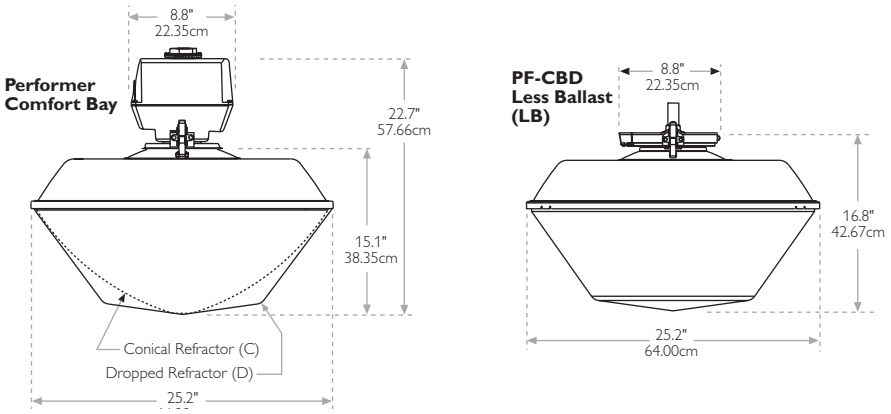
Lamp/socket: Requires the use of open rated mogul-based lamps.

Finish: Ballast enclosure has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Mounting: Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Dimensions



Performer series PFCB-E

Industrial

Applications include warehouses and aisle lighting.

Features

Optical system: Includes a modular optical assembly with integrally cast hinge and electrical disconnect. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly. The lower optical assembly features a prismatic acrylic refractor, available in either a conical or drop lens. (Requires open rated lamps.) Standard unit constructed to IP22. The Performer EONS (Extended On System) features a dual-lamp optic and ballast system designed to ignite and operate the lamp with the highest remaining life. This innovative technology results in installations that sustain higher light levels for two times as long with faster restrike times. Other benefits include twice the time between group relamping, resulting in significant maintenance cost savings.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. Standard magnetic ballast has a high power factor with reliable starting at temperatures as low as -34°C (-30°F) for Pulse Start Metal Halide, and -40°C (-40°F) for High Pressure Sodium. Electronic Ballast option available 320-400 watt Pulse Start Metal Halide.

Lamp/socket: Requires the use of open rated mogul-based lamps.

Finish: Ballast housing has a white UltraClad polyester powder coating, electrostatically applied and oven cured.

Mounting: Removable die-cast ballast enclosure top is supplied with 3/4" NPT conduit entrance. Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

Listings/warranty: ETL/cETL Listed to the UL standard, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Series
Pulse Start Metal Halide
Requires open rated lamps.
PFP-175
PFP-200
PFP-250
PFP-320
PFP-350
PFP-400

High Pressure Sodium
PFS-250
PFS-400

Optics
ECBC
PF EONS Comfort Bay reflector with prismatic acrylic Conical lens

ECBD
PF EONS Comfort Bay reflector with prismatic acrylic Drop lens

Voltage
120
208
240
277
480
QV

Quad-voltage ballast available with standard magnetic ballast only. Allows field selection of 120/208/240/277 voltage. Certain options require voltage selection as well.

E Ballast Voltage / Optional Dimming:
Electronic ballast not available in 120V or 480V.
Available for:
PFP-320
PFP-350
PFP-400

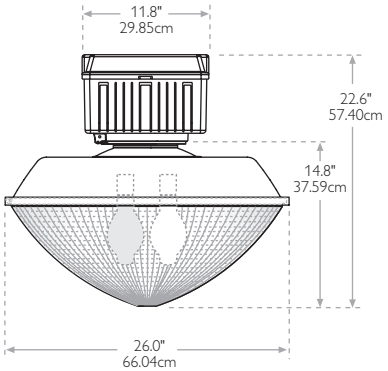
Electronic Ballast Voltage:
208E
240E
277E

Optional Electronic Ballast Dimming:
Requires 0-10V low voltage wiring.
Leave blank for non-dimming electronic ballast.
AD
Analog (full range) dimming to 50% power

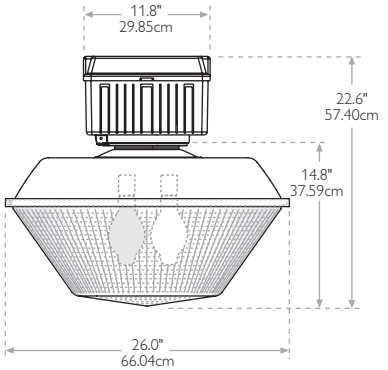
Options
See Options and Accessories Section for Availability

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Dimensions



PFCB-E ECBC Optics



PFCB-E ECBD Optics

Performer series PFMG

Industrial

Applications include industrial facilities, assembly areas and warehouses.

Series
Metal Halide (1)
PFM-1000 (3)
Pulse Start Metal Halide (2)
PFP-250
PFP-320
PFP-350
PFP-400
PFP-450
PFP-750 (3)
PFP-1000 (3)
High Pressure Sodium (4)
PFS-250
PFS-400
PFS-750 (3)
PFS-1000 (3)

Optics
MG16O
16" Metal over Glass High Bay Open Construction
MG22O
22" Metal over Glass High Bay Open Construction
MG16E
16" Metal over Glass High Bay Enclosed Construction
MG22E
22" Metal over Glass High Bay Enclosed Construction

Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.

Options
See Options and Accessories Section for Availability

Notes
(1) Per the 2005 National Electric Code (NEC 2005); Open MH luminaires require the use of "O" rated lamps. Do not install a lamp identified for use in Enclosed Luminaires.
(2) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only.
(3) 750W and 1000W units are available in Narrow Distribution and 22" optics only. 22" Open optics require Open Rated lamps as follows: MH units require BT56 coated lamps; HPS units require E25 clear lamps. At time of publication, open rated 750W and 1000W PSMH lamps are not available. Consequently, 750W and 1000W Pulse Start units are not available with Open optics. 750W 22" Enclosed units: PSMH units require BT37 coated lamps, HPS units require BT37 clear lamps. 1000W 22" Enclosed units: MH/PSMH units require BT37 clear lamps, HPS units require BT37 twin arc tube clear lamps. 1000W Wet Location (22" Enclosed) units: MH units require BT56 Coated lamps, HPS units require E25 clear lamps.
(4) Open construction is standard for Performer Series HPS units; consult factory for Enclosed construction.
(5) Performer Glass High Bay optics are factory set for Narrow Distribution. At installation, the socket setting may be adjusted for a Wide Distribution. 750-1000W exception: 750W and 1000W units are available in Narrow Distribution and with 22" optics only.

Also available in CosmoPolis and MasterColor Elite HID.
Refer to spec sheets for details.

Features

Optical system: The optical assembly consists of a prismatic reflector of borosilicate glass. Open optics feature a self-cleaning ventilated design for natural air flow. Enclosed and gasketed optics feature a 1/8" tempered glass lens and consists of the glass-lined reflector, assembled with a die-cast neck and wire frame finished in a white UltraClad finish. Enclosed units feature a tempered glass lens. Standard open optic unit is constructed to IP22. Standard enclosed optic unit is constructed to IP52. Wet Location unit is constructed to IP54.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast options are available.

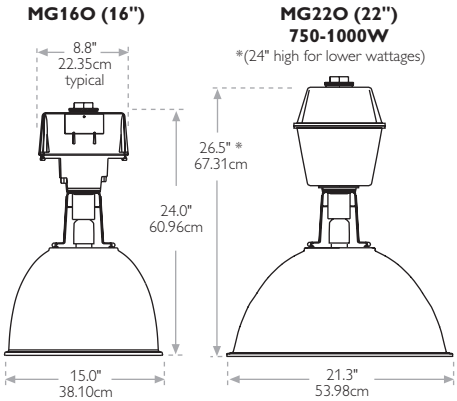
Finish: Ballast enclosure has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Lamp/socket: Requires the use of mogul-based lamps.

Mounting: Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Dimensions

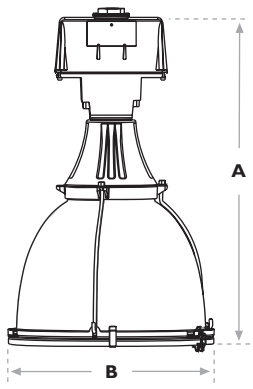


Open Optics

G16E - WL (shown)	
A	B
26.0" 66.04cm	15.8" 40.00cm

G22E - WL 250-450W	
A	B
26.0" 66.04cm	21.9" 55.56cm

G22E - WL 750-1000W	
A	B
28.3" 70.63cm	21.9" 55.56cm



Enclosed Optics Wet Location

Performer series PFGHB

Industrial

Applications include industrial facilities, manufacturing plants, retail, swimming pools, cafeterias and gymnasiums.

Features

Optical system: The prismatic reflector consists of borosilicate glass. Also included is an uplight component for ceiling fill and an open optics feature for ventilated self-cleaning. Enclosed and gasketed optics feature a 1/8" tempered glass lens. A dust cap between the ballast and the glass reflector encloses the upper optics and features a white UltraClad finish. With Wet Location option, the optical assembly consists of the glass reflector, assembled with a die-cast neck and wire frame with a white UltraClad finish. Enclosed units feature a tempered glass lens. Standard open optic unit is constructed to IP22. Standard enclosed optic unit is constructed to IP52. Wet Location unit is constructed to IP54. With Less Ballast option, unit is constructed to IP52.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast options are available.

Finish: Internal support bracket features a white UltraClad finish. Ballast enclosure has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Lamp/socket: Requires the use of open rated mogul-based lamps.

Mounting: Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Series
Metal Halide (1)
PFM-1000 (3)
Pulse Start Metal Halide (2)
PFP-250
PFP-320
PFP-350
PFP-400
PFP-450
PFP-750 (3)
PFP-1000 (3)
High Pressure Sodium (4)
PFS-250
PFS-400
PFS-750 (3)
PFS-1000 (3)

Optics (5)
G16O
16" Glass High Bay Open Construction
G22O
22" Glass High Bay Open Construction
G16E
16" Glass High Bay Enclosed Construction
G22E
22" Glass High Bay Enclosed Construction

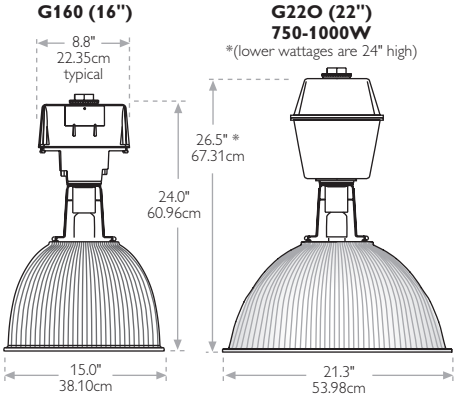
Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.

Options
See Options and Accessories Section for Availability

Notes
(1) Per the 2005 National Electric Code (NEC 2005); Open MH luminaires require the use of "O" rated lamps. Do not install a lamp identified for use in Enclosed Luminaires.
(2) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only.
(3) 750W and 1000W units are only available with 22" optics. 22" Open optics require Open Rated lamps as follows: MH units use BT56 coated lamps; HPS units use E25 clear lamps. At time of publication, open rated 750W and 1000W PSMH lamps are not available. 750W and 1000W Pulse Start units are not available with Open optics. 750W units: 22" Enclosed PSMH units use BT37 coated lamps, HPS units use BT37 clear lamps. 1000W units: 22" Enclosed MH/PSMH units require BT37 clear lamps, HPS units use BT37 twin arc tube clear lamps. 750W and 1000W units are available in Narrow Distribution and 22" optics only. 1000W Wet Location units: MH units use BT56 Coated lamps, HPS units use E25 clear lamps.
(4) Open construction is standard for Performer Series HPS units; consult factory for Enclosed construction.
(5) Performer Glass High Bay optics are factory set for Narrow Distribution. At installation, the socket setting may be adjusted for a Wide Distribution. 750-1000W exception: 750W and 1000W units are available in Narrow Distribution and with 22" optics only.

Also available in CosmoPolis and MasterColor Elite HID. Refer to spec sheets for details.

Dimensions

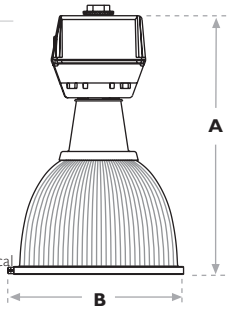


Open Optics

	G16E (16")	G22E (22")
A	24.5" 62.23cm	26.75" 67.95cm
B	15.5" 39.37cm	21.5" 54.61cm

Note: G22E dimension A is maximum height required for higher wattages (750-1000W).

In lower wattage G22E units, dimension A is the same as typical G16E.



Enclosed Optics

G16E - WL (shown)

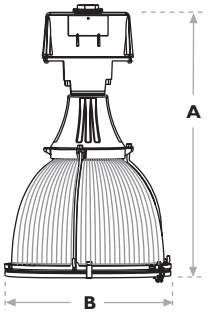
A	B
26.0" 66.04cm	15.8" 40.00cm

G22E - WL 250-450W

A	B
26.0" 66.04cm	21.9" 55.56cm

G22E - WL 750-1000W

A	B
28.3" 70.63cm	21.9" 55.56cm



Enclosed Optics - Wet Location

Performer series PFVA

Industrial

Applications include industrial facilities, assembly areas and warehouses.

Series
Metal Halide (1)
PFM-1000
Pulse Start Metal Halide (2)
PFP-320
PFP-350
PFP-400
PFP-450
PFP-750
PFP-1000 (3)
High Pressure Sodium (4)
PFS-250
PFS-400

Optics
VAO (3)
Open construction
VAE
Enclosed construction, clear glass lens
VAETG
Enclosed construction with Teflon® bonded to clear glass lens

Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.

Options
See Options and Accessories Section for Availability

Notes
(1) Per the 2005 National Electric Code (NEC 2005); Open MH luminaires require the use of "O" rated lamps. Do not install a lamp identified for use in Enclosed Luminaires.
(2) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp.
(3) At time of publication, a 1000 watt Pulse Start Metal Halide open rated lamp is not available. Consequently, open optics are not available in 1000 watt Pulse Start units.
(4) Open construction is standard for Performer Series HPS; consult factory for Enclosed construction.

Also available in CosmoPolis and MasterColor Elite HID. Refer to spec sheets for details.

Features

Optical system: The optical assembly consists of a computer designed hydroformed aluminum reflector that has a high-grade anodized finish with 2400 facets formulated to provide light distribution that is wide along the length of the aisle and narrow across the width of the aisle. Open optics feature a self-cleaning ventilated design for natural air flow. Enclosed and gasketed optics feature a cast lens frame and 1/8" tempered glass lens. 5 mil Teflon® bonded to glass is an option that provides higher maintained light levels. Standard open optic unit is constructed to IP22. Standard enclosed optic unit is constructed to IP52. Wet Location unit is constructed to IP54. With Less Ballast option, unit is constructed to IP54.

Ballast: Low profile, heat dissipating die-cast aluminum construction with totally enclosed core & coil assembly and capacitor for safe and reliable component life. High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast options are available.

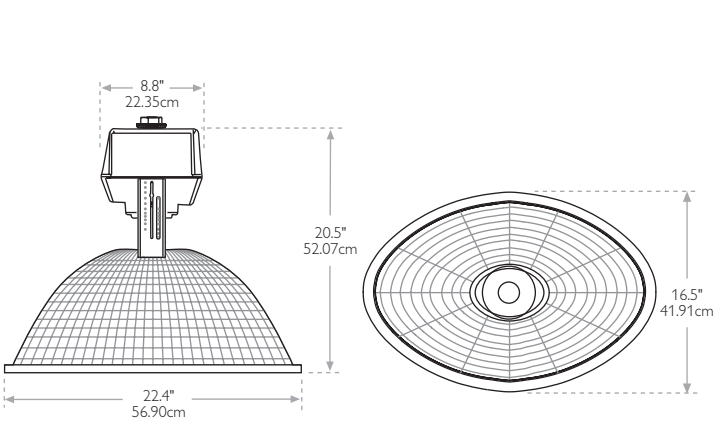
Finish: Ballast enclosure has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Lamp/socket: Requires the use of mogul-based lamps.

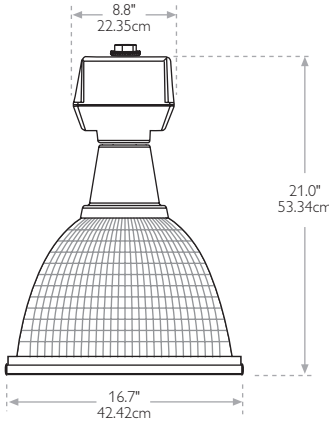
Mounting: Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for damp locations, Wet Location option available. Consult Ambient Temperature. Standard 5-year limited warranty.

Dimensions



Open Optics



Enclosed Optics

WL series

Industrial

Ideal for warehouses, freezers, aisle lighting, low mounting height installations.

Features

Optical system: Features a bisymmetric optical assembly that incorporates 85% reflectance, anodized aluminum hammertone top and side reflectors with specular end segments. Specular aluminum auxiliary "kick blades" positioned on reflector sides with apex perpendicular to axis of the lamp arc tube throw and elongated pattern with a strong vertical component. Die-cast aluminum lens frame with standard clear tempered glass is heat and impact resistant. Optional prismatice tempered glass lens may be specified for additional control of light. Glass lens is permanently sealed to lens frame with liquid silicone. Rubber gasket provides positive seal between lens frame housing. Standard unit constructed to IP52.

Ballast: High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Bi-Level switching components are mounted in a separate compartment for cooler operation. Bi-Level switching ballast provides full illumination when used with motion detectors, automatically switches to low energy-saving light level when the space is vacant.

Finish: One piece precision die-cast aluminum housing with white finish.

Lamp/socket: Premium porcelain socket is field adjustable with four separate socket positions to provide an optimum beam pattern. Comes equipped with vibration-proof "lamp-grip" shell and reinforced center contact for positive fit. Grip-type mogul base socket is pulse rated at 4KV.

Mounting: Pendant mounting is standard, and option provides low profile surface mounting. Slide on mounting plate simplifies installation and balances the fixture for ball type hangers or power hooks. Surface mounting is possible by means of an aluminum mounting channel, offset and bolted to the die-cast housing to balance luminaire and allow direct mounting to ceiling by 1/2" threaded rod and fasteners (by others). Electrical connections are made in external extruded aluminum housing.

Listings/warranty: Standard 5-year limited warranty.

Series
Pulse Start Metal Halide
WLP-400
WLP-350
WLP-320
WLP-250
High Pressure Sodium
WLS-400
WLS-250

Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage. No 480v.

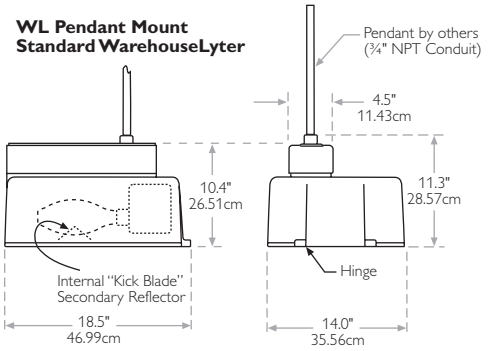
Socket setting
1
2
3
5

In some wattages and sources, certain socket positions require the use of tubular lamps.

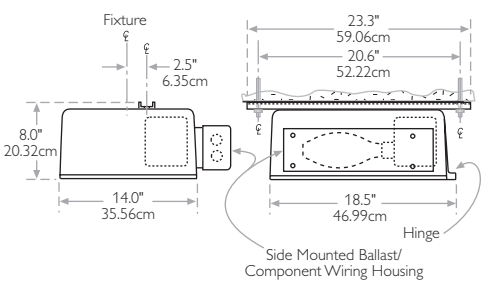
Options
See Options and Accessories Section for Availability

Dimensions

WL Pendant Mount
Standard WarehouseLyter



with LP Low Profile Surface Mount Option
FreezerLyte/Low Profile WarehouseLyter



LB3 series

Industrial

Ideal for assembly areas and low mounting height installations.

Series
Pulse Start Metal Halide
LB3P-50
LB3P-70
LB3P-100
LB3P-150
LB3P-200
High Pressure Sodium
LB3S-100
LB3S-150

Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage. No 480v.

Options
See Options and Accessories Section for Availability

Features

Optical system: Compact, low profile design is ideal for areas restricted by low ceiling heights. Single piece, die-cast aluminum ballast housing is finned for heat dissipation and positioned above a spun aluminum reflector housing. Both components are sealed and gasketed to reduce particulate entry. Low-glare, UV stabilized acrylic refractor is silicone sealed and gasketed to the reflector housing, creating a permanently sealed optical assembly. Wide diameter refractor adds additional lighting control to reduce glare and provide excellent vertical and horizontal illumination. Standard unit constructed to IP53.

Ballast: High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Ballast is centered in the housing to ensure level orientation when pendant mounted.

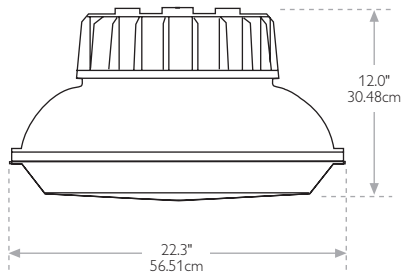
Finish: Finished in white UltraClad polyester powder coat, electrostatically applied and oven cured.

Lamp/socket: Medium base lamps are required for wattages up to 200W. The lamp is partially concealed by the reflector housing to minimize glare.

Mounting: Standard ceiling / quick mount is achieved with a galvanized steel Easy Hanger Plate for mounting to a 4" square or octagonal junction box (by others). Hanger plate supports fixture while wiring connections are made. Pendant mounting is also available. Top of ballast housing is drilled and tapped for 3/4" rigid conduit or hook, cord and plug. A Thru-Wire Ballast option permits feed-through surface mounting and eliminates need for separate junction box. Ballast housing is drilled and tapped (two places at 180°) for 3/4" rigid conduit.

Listings/warranty: UL/cUL Listed luminaire, UL 1598, suitable for wet locations (covered ceiling mount only). Standard 5-year limited warranty.

Dimensions



ILXHHB series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Features

Optical system: Modular optical assembly with integrally cast hinge and electrical disconnect (HID units only). One-piece reflector is of heavy gauge hydroformed (.063) aluminum. Die-cast aluminum lens frame is gasketed to seal the reflector system and provide a Dust-Tite enclosure. Computer designed reflector system eliminates secondary reflections; light is never trapped or redirected back into the lamp. Surface is of high grade specular or diffuse aluminum with reflectance up to 85%. Symmetric pattern provides good spacing to mounting height ratios with very low glare. Standard HID unit constructed to IP65. Lens is tempered glass is standard 5 mil FEP Teflon® lens is optional (transmits 5% more light than clear glass).

Lamp/socket: HID - Pre-wired mogul base socket, fully adjustable and easily changed in the field. HID luminaires require mogul-based lamps. QL - Pre-assembled and integral lamp and lamp holder.

Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. SilentGuard HID high power factor regulating ballast designed for -29°C (-20°F) starting temperature for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Optional electronic ballast available.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

Listings/warranty: HID - ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 55°C (131°F). QL - ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for wet locations. Suitable for use in ambients not exceeding 40°C (104°F). Standard 5-year limited warranty. Hazardous Location Listing Option: UL Listed for HID Units only.

	A	B	C	D	E
250-400W	20.00" 50.80cm	10.00" 25.40cm	24.0" 60.96cm	17.5" 44.45cm	18.0" 45.72cm
450-1000W (max)	26.0" 66.04cm	13.5" 34.29cm	27.5" 69.85cm	22.5" 57.15cm	21.5" 54.61cm

Note: A, B, C, D and E are rounded up to the nearest ½ inch.

Series (1)

20" unit
Pulse Start Metal Halide
ILXP-250
ILXP-320
ILXP-350
ILXP-400
26" unit
ILXP-450
ILXP-750
ILXP-875
ILXP-1000
Metal Halide
ILXM-1000
PSMH w/Pulse Reg Magnetic Ballast (2)
20" unit
ILXR-250
ILXR-400
26" unit
ILXR-450 (3)
High Pressure Sodium
20" unit
ILXS-250
ILXS-400
26" unit
ILXS-750
ILXS-1000
QL Induction
20" unit
ILXQL-85
ILXQL-165

Optics

HDG
Diffuse reflector, Glass lens (4)
HDD
Diffuse reflector, Diffuse Glass lens (4)
HDT
Diffuse reflector, Teflon® lens (4,5)
HDTG
Diffuse reflector, Teflon® over Glass lens (4)
HDTD
Diffuse reflector, Teflon® over Diffuse Glass lens (4)
HSG
Specular reflector, Glass lens
HSD
Specular reflector, Diffuse Glass lens (4)
HST
Specular reflector, Teflon® lens (5)
HSTG
Specular reflector, Teflon® over Glass lens
HSTD
Specular reflector, Teflon® over Diffuse Glass lens (4)

Voltage

HID unit
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120V / 208V / 240V / 277V.

QL unit
120V
208-277V

Socket setting (6)

1
4
5
7
9
12
Note:
See Factory Pre-Set socket option FPS(X).
HID unit socket settings are fully adjustable in the field.

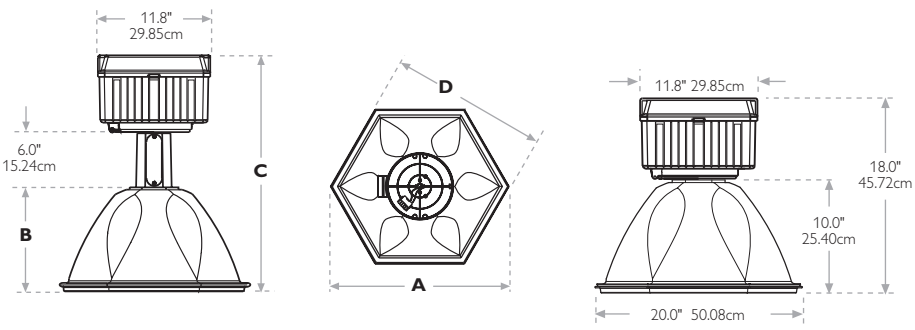
Options

See Options and Accessories Section for Availability

Also available in CosmoPolis and MasterColor Elite HID. Refer to spec sheets for details.

Notes
(1) Electronic ballast options are available in limited wattages, voltages, and sources.
(2) Pulse Reg Magnetic Ballast (w /Pulse Start Lamps) feature: 10:4 Lamp wattage regulation (10% line voltage change = 4% Lamp wattage change). Ability to absorb voltage fluctuations common to heavy industrial applications. Compensation for large voltage drops associated with long circuit runs. Stable lamp output in spite of input power fluctuations. Available in 120V, 277V or 480V.
(3) ILXR-450 available in 277V only.
(4) Not available with QL Induction Sources.
(5) Teflon® lens (without glass) transmits 5% more light than clear glass. Not available with HAZ option. Teflon lens (without glass) requires use of Open Rated Lamp.
(6) Socket setting selection applies to HID Units only.

Dimensions



HID unit **QL unit**

ILX-E series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Series
Pulse Start Metal Halide
ILXP-250 (1)
ILXP-320
ILXP-350
ILXP-400
High Pressure Sodium
ILXS-250 (1)
ILXS-400 (1)

Reflector/lens
EHDD
ILX EONS Hydroformed Diffuse reflector / Diffuse glass lens
EHDTD
ILX EONS Hydroformed Diffuse reflector / Teflon® over Diffuse glass lens

Voltage
Standard CWA ballast
120
208
240
277
480
QV (2)

Optional Electronic ballast
208E
240E
277E
optional 0-10V electronic analog dimming

AD
(selected along with E ballast voltage)

Options
See Options and Accessories Section for Availability

Finish
WHT
White standard ballast housing finish
WHT-EXPY
Optional White Epoxy coated ballast housing.

Durable coating offers protection against mildly acidic or alkaline conditions. Optional finish, adder applies.

Notes
(1) Consult factory for availability of 250W PSMH with electronic ballast. HPS units are not available with Electronic ballast.
(2) Quad-voltage ballast allows field selection of 120/208/240/277 voltage, however certain options may require voltage selection.

Also available in CosmoPolis and MasterColor Elite HID. Refer to spec sheets for details.

Features

EONS Extended on system: Features a dual-lamp optic and ballast system designed to ignite and operate the lamp with the highest remaining life that sustain higher light levels for two times as long with faster restrike times.

Optical system: Modular optical assembly with integrally cast hinge and electrical disconnect. One-piece reflector is of heavy gauge hydroformed (.063) aluminum. Die-cast aluminum lens frame is gasketed to seal the reflector system and provide a dust-tight enclosure. Hydroformed reflector of high grade diffuse aluminum with reflectance up to 85%. Symmetric pattern provides good spacing to mounting height ratios with very low glare. Constructed to IP65. Diffuse tempered glass lens is standard and optional 5 mil FEP Teflon® over glass lens available.

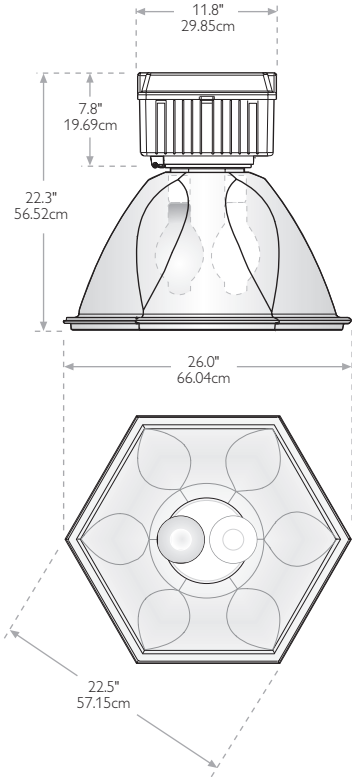
Lamp/socket: Clear mogul-based lamps recommended. Pre-wired mogul base sockets, pulse rated for 4KV with plug-in connections for quick installation to secondary side of ballast.

Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. Standard magnetic ballast shall be high power factor with reliable starting at temperatures as low as -34°C (-30°F) for Pulse Start Metal Halide, and -40°C (-40°F) for High Pressure Sodium. Available with electronic ballast option.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 55°C (131°F). Standard 5-year limited warranty.

Dimensions



ILXD series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Features

Optical system: Modular optical assembly with integrally cast hinge and electrical disconnect. One-piece reflector is of heavy gauge (.063) hydroformed aluminum. Die-cast aluminum lens frame is gasketed to seal the reflector system and provide a dust-tight enclosure. Standard unit constructed to IP64. Lens is tempered glass standard with optional Teflon® over Glass lens may also be specified.

Lamp/socket: Two mogul-based lamps. HPS/ MH mixed source provides better CRI than single source lamp combinations. Two pre-wired grip-type mogul base sockets, pulse rated for 4KV with plug-in connections for quick installation to secondary side of ballast. Socket settings are not adjustable (factory preset sockets.)

Ballast: Two independently operating SilentGuard high power factor regulating ballasts with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium, provide potential for energy efficient Bi-Level operation. Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made. Cast aluminum nut and hub option provides quick, positive mounting to 3/4" NPT conduit.

Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 55°C (131°F). Standard 5-year limited warranty.

Series (1)
Single Source Dual Lamp
Pulse Start Metal Halide
ILXD-2P250 (500W PSMH)
ILXD-P250/P320 (570W PSMH)
ILXD-P250/P350 (600W PSMH)
ILXD-2P320 (640W PSMH)
ILXD-P250/P400 (650W PSMH)
ILXD-P320/P350 (670W PSMH)
ILXD-2P350 (700W PSMH)
ILXD-P320/P400 (720W PSMH)
ILXD-P350/P400 (750W PSMH)
ILXD-2P400 (800W PSMH)
High Pressure Sodium
ILXD-2S250 (500W HPS)
ILXD-S250/S400 (650W HPS)
ILXD-2S400 (800W HPS)
Mixed Source Dual Lamp
PSMH / HPS
ILXD-P250/S250 (500W mixed)
ILXD-P320/S250 (570W mixed)
ILXD-P350/S250 (600W mixed)
ILXD-P250/S400 (650W mixed)
ILXD-P320/S400 (720W mixed)
ILXD-P350/S400 (750W mixed)
ILXD-P400/S400 (800W mixed)

Reflector/Lens
HDD
Hydroformed Diffuse reflector / Diffuse glass lens
HDTD
Hydroformed Diffuse reflector / Teflon® over Diffuse glass lens

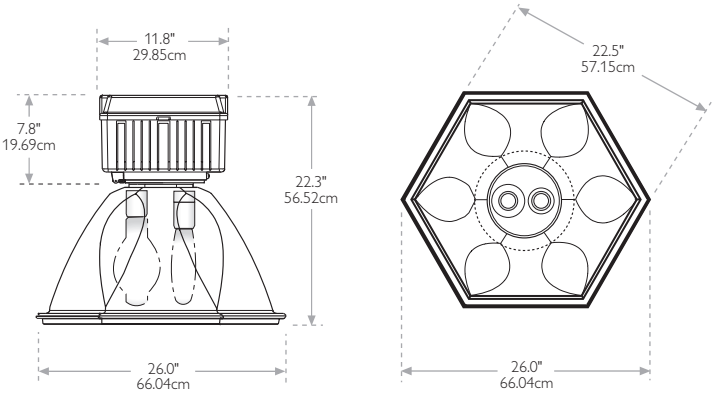
Voltage
120
208
240
277
480
QV
Allows field selection of 120/ 208/ 240/277 voltage (No 480V). Certain options may require voltage selection as well.

Options
See Options and Accessories Section for Availability

Notes
(1) Combined wattage must not exceed 800W.

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Dimensions



ILXLB series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Series
Pulse Start Metal Halide (1)
ILXP-175
ILXP-200
ILXP-250
ILXP-320
ILXP-350
ILXP-400
ILXP-450
PSMH w/Pulse Reg Magnetic Ballast (1,2)
ILXR-175
ILXR-250
ILXR-400
ILXR-450 (3)
High Pressure Sodium
ILXS-250
ILXS-400

Optics
LB22
22" Low Bay reflector system with permanently sealed prismatic refractive lens

LB28
28" Low Bay reflector system with permanently sealed prismatic refractive lens

Voltage (4)
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208/240/277 voltage.

Options
See Options and Accessories Section for Availability

Notes
(1) Requires open rated lamps.
(2) Pulse Reg Magnetic Ballast (w /Pulse Start Lamps) feature:
a) 10:4 Lamp wattage regulation (10% line voltage change = 4% Lamp wattage change)
b) Ability to absorb voltage fluctuations common to heavy industrial applications
c) Compensation for large voltage drops associated with long circuit runs
d) Stable lamp output in spite of input power fluctuations
e) Available in 120V, 277V or 480V.
(3) ILXR-450 available in 277V only.
(4) Electronic ballast options are available in limited wattages, voltages, and sources.

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Features

Optical system: Modular optical assembly with integrally cast hinge and electrical disconnect. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly which features a permanently sealed prismatic refractor, available in a 22" or a 28" diameter size. Fully gasketed optical assembly ensures a Dust-Tite optical assembly for higher maintained light levels. Standard unit constructed to IP65.

Lamp/socket: ILX Low Bay luminaires require the use of mogul-based lamps. Pulse Start Metal Halide units require the use of open rated lamps.

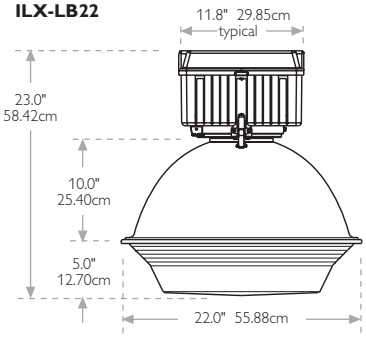
Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. SilentGuard high power factor ballast with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Electronic Ballast option is available.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

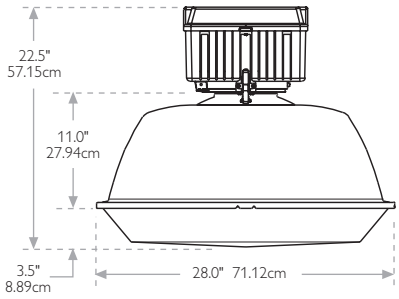
Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 40°C (140°F). Standard 5-year limited warranty.

Dimensions

ILX-LB22



ILX-LB28



ILXSB series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Features

Optical system: Modular optical assembly with integrally cast hinge and electrical disconnect. High performance UV stabilized acrylic prismatic reflective refractor optic assemblies are available in 22" and 25" diameters. The 22" optic assembly features a permanently sealed prismatic refractor, available with either a Conical or a Dropped refractive lens. The 25" optic assembly is available with the Dropped refractor only. Optics are enclosed by a cap finished in white UltraClad polyester powder coat, electrostatically applied and oven cured. Fully gasketed optical assembly ensures a Dust-Tite optical assembly for higher maintained light levels. The prismatic reflector provides high angle vertical footcandle values (@ 20% uplight) while maintaining low brightness lighting. This uplight component provides fill light on ceiling surfaces to improve the quality of the lighting environment. Standard unit constructed to IP65.

Lamp/socket: ILX Soft Bay luminaires require the use of mogul-based lamps. Pulse Start Metal Halide units require the use of open rated lamps.

Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. SilentGuard high power factor ballast with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Suitable for heavy industrial applications. Electronic Ballast option is available.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Consult Ambient Temperature Limits Chart to determine suitability for use in specified application. Standard 5-year limited warranty.

Series (1)
Pulse Start Metal Halide (2)
ILXP-175
ILXP-200
ILXP-250
ILXP-320
ILXP-350
ILXP-400
ILXP-450
PSMH w/Pulse Reg Magnetic Ballast (2,3)
ILXR-175
ILXR-250
ILXR-400
ILXR-450 (4)
High Pressure Sodium
ILXS-250
ILXS-400

Optics
C22E
22" Acrylic prismatic reflector with Conical refractive lens
D22E
22" Acrylic prismatic reflector with Drop refractive lens
D25E
25" Acrylic prismatic reflector with Drop refractive lens

Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.

Options
See Options and Accessories Section for Availability

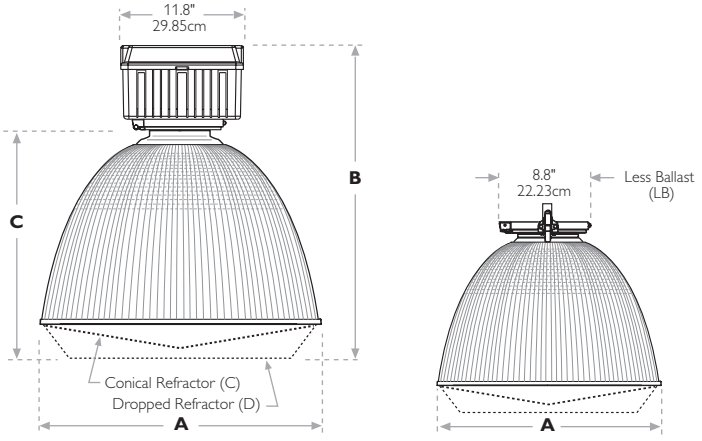
Notes
(1) Electronic ballast options are available in limited wattages, voltages, and sources.
(2) Requires open rated lamps.
(3) Pulse Reg Magnetic Ballast (w /Pulse Start Lamps) feature:
a) 10:4 Lamp wattage regulation (10% line voltage change = 4% Lamp wattage change)
b) Ability to absorb voltage fluctuations common to heavy industrial applications
c) Compensation for large voltage drops associated with long circuit runs
d) Stable lamp output in spite of input power fluctuations
e) Available in 120V, 277V or 480V.
(4) ILXR-450 available in 277V only.

Also available in CosmoPolis and MasterColor Elite HID.
Refer to spec sheets for details.

Dimensions

	175W - 250W*			400W - 450W*		
	A	B	C	A	B	C
C22E	22.5" 57.15cm	25.3" 64.14cm	17.3" 43.82cm	22.5" 57.15cm	27.0" 68.58cm	19.0" 48.26cm
D22E	22.5" 57.15cm	26.3" 66.68cm	18.3" 46.36cm	22.5" 57.15cm	28.0" 71.12cm	20.0" 50.80cm
D25E	25.3" 64.14cm	26.8" 67.95cm	18.8" 47.63cm	25.3" 64.14cm	28.5" 72.39cm	20.5" 52.07cm

*Consult Ambient Temperature Limits Chart for availability



ILXCB series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Series
Pulse Start Metal Halide (1)
ILXP-175
ILXP-200
ILXP-250
ILXP-320
ILXP-350
ILXP-400
ILXP-450
PSMH w/Pulse Reg Magnetic Ballast (1,2)
ILXR-175
ILXR-250
ILXR-400
ILXR-450 (3)
High Pressure Sodium
ILXS-250
ILXS-400

Optics
CBC
Comfort Bay reflector with Conical refractive lens

CBD
Comfort Bay reflector with Dropped refractive lens

Voltage (4)
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208/240/277 voltage.

Options
See Options and Accessories Section for Availability

Notes
(1) Requires open rated lamps.
(2) Pulse Reg Magnetic Ballast (w /Pulse Start Lamps) feature:
a) 10:4 Lamp wattage regulation (10% line voltage change = 4% Lamp wattage change)
b) Ability to absorb voltage fluctuations common to heavy industrial applications
c) Compensation for large voltage drops associated with long circuit runs
d) Stable lamp output in spite of input power fluctuations
e) Available in 120V, 277V or 480V.
(3) ILXR-450 available in 277V only.
(4) Electronic ballast options are available in limited wattages, voltages, and sources.

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Features

Optical system: Modular optical assembly with integrally cast hinge and electrical disconnect. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish. Permanently sealed prismatic refractor is available in either a Conical or a Dropped profile. The hinged optical assembly is fully gasketed to the ballast housing ensuring a Dust-Tite optical assembly for higher maintained light levels. Standard unit constructed to IP65. Lamp ILX Comfort Bay luminaires require the use of mogul-based lamps. Pulse Start Metal Halide units require the use of open rated lamps.

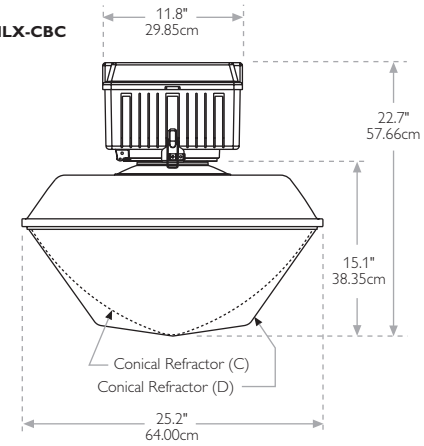
Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation with white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. SilentGuard high power factor ballast with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made. Cast aluminum nut and hub option provides quick, positive mounting to 3/4" NPT conduit.

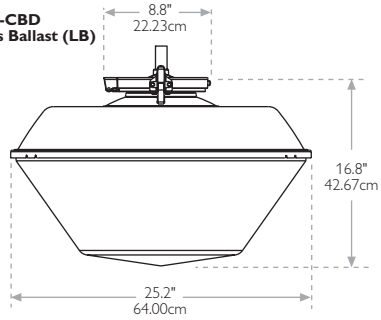
Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 40°C (140°F).Standard 5-year limited warranty.

Dimensions

ILX-CBC



ILX-CBD Less Ballast (LB)



ILXMG series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Features

Optical system: Inner prismatic reflector material is borosilicate glass, covered by a metal high bay reflector. Optic assembly easily installs via hinge and electrical disconnect and consists of the glass-lined reflector, a die-cast neck and wire frame finished with white UltraClad polyester powder for excellent corrosion and impact resistance. Fully gasketed optical assembly ensures a Dust-Tite optical assembly for higher maintained light levels. Equipped with factory installed safety chain. Standard unit constructed to IP64. A tempered glass lens is standard.

Lamp/socket: Mogul-based lamps required. Coated lamp sources recommended for most Metal Halide and Pulse Start Systems.

Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. SilentGuard high power factor regulating ballast designed for -29°C (-20°F) starting temperature for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Optional Electronic ballast available.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 55°C (131°F). Standard 5-year limited warranty.

Series (1)
Metal Halide
ILXM-1000 (2)
Pulse Start Metal Halide
ILXP-250
ILXP-320
ILXP-350
ILXP-400
ILXP-450
ILXP-750 (2)
ILXP-1000 (2)
PSMH w/Pulse Reg Magnetic Ballast (3)
ILXR-250
ILXR-400
ILXR-450 (4)
High Pressure Sodium
ILXS-250
ILXS-400
ILXS-750
ILXS-1000

Reflector/lens
MG16N
16" Metal over Glass reflector, Narrow distribution, enclosed construction
MG22N
22" Metal over Glass reflector, Narrow distribution, enclosed construction
MG16W
16" Metal over Glass reflector, Wide distribution, enclosed construction
MG22W
22" Metal over Glass reflector, Wide distribution, enclosed construction

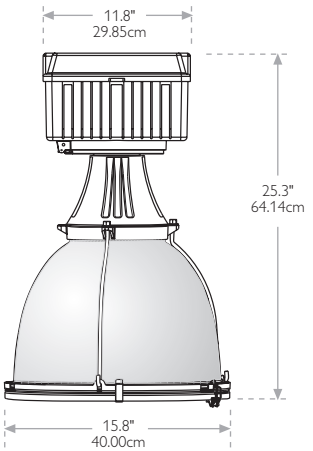
Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120V / 208V / 240V / 277V.

Options
See Options and Accessories Section for Availability

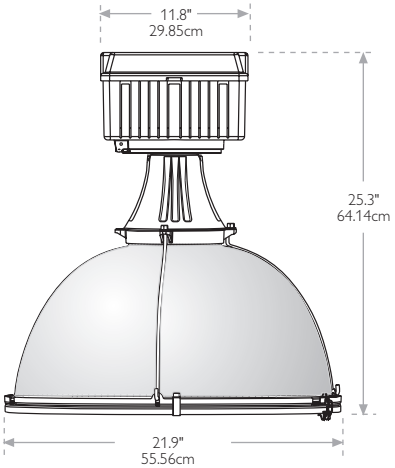
Notes
(1) Electronic ballast options are available in limited wattages, voltages, and sources.
(2) 750W and 1000W require 22" optics and are available in Narrow distribution only.
(3) Pulse Reg Magnetic Ballast (w /Pulse Start Lamps) feature:
a) 10:4 Lamp wattage regulation (10% line voltage change = 4% Lamp wattage change)
b) Ability to absorb voltage fluctuations common to heavy industrial applications
c) Compensation for large voltage drops associated with long circuit runs
d) Stable lamp output in spite of input power fluctuations
e) Available in 120V, 277V or 480V.
(4) ILXR-450 available in 277V only.

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Dimensions



16" Metal over Glass Optics



22" Metal over Glass Optics

ILXGHB series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Series (1)
Metal Halide
ILXM-1000 (2)
Pulse Start Metal Halide
ILXP-250
ILXP-320
ILXP-350
ILXP-400
ILXP-450
ILXP-750 (2)
ILXP-1000 (2)
PSMH w/Pulse Reg Magnetic Ballast (3)
ILXR-250
ILXR-400
ILXR-450 (4)
High Pressure Sodium
ILXS-250
ILXS-400
ILXS-750
ILXS-1000
QL Induction (5)
ILXQL-85
ILXQL-165

Optics (5,6)
G16N
16" Glass reflector, Narrow distribution, enclosed construction
G22N
22" Glass reflector, Narrow distribution, enclosed construction
G16W
16" Glass reflector, Wide distribution, enclosed construction
G22W
22" Glass reflector, Wide distribution, enclosed construction
G16E
QL source with 16" Glass reflector, enclosed construction
G16O
QL source with 16" Glass reflector, open construction

Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120V / 208V / 240V / 277V.
QL units available in 208-277V only.

Options
See Options and Accessories Section for Availability

Notes
(1) Electronic ballast options are available in limited wattages, voltages, and sources.
(2) 750W and 1000W require 22" optics and are available in Narrow distribution only.
(3) Pulse Reg Magnetic Ballast (w /Pulse Start Lamps) feature:
  a) 10:4 Lamp wattage regulation (10% line voltage change = 4% Lamp wattage change)
  b) Ability to absorb voltage fluctuations common to heavy industrial applications
  c) Compensation for large voltage drops associated with long circuit runs
  d) Stable lamp output in spite of input power fluctuations
  e) Available in 120V, 277V or 480V.
(4) ILXR-450 available in 277V only.
(5) QL units are available in either open or enclosed construction. Ambient temperature limits apply. Consult factory.
(6) HID units feature enclosed construction with Dust-Tite optics.

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Features

Optical system: Prismatic reflector material to be borosilicate glass. An uplight component gives fill light on ceiling surfaces to improve the quality of the lighting environment. HID optic assembly easily installs via hinge and electrical disconnect and consists of the glass reflector, a die-cast neck and wire frame finished with white UltraClad polyester powder. Standard unit constructed to IP64. QL units have glass reflector is installed directly to the ballast housing. Enclosed unit constructed to IP64. A tempered glass lens is standard.

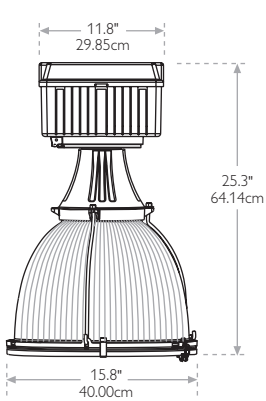
Lamp/socket: HID Lamp HID luminaires require mogul-based lamps. Coated lamp sources recommended for most Metal Halide and Pulse Start Systems. QL lamp and socket pre-assembled and integral lamp and lamp holder. QL source provides instant on, long life, low glare, and high CRI.

Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. SilentGuard high power factor regulating ballast designed for -29°C (-20°F) starting temperature for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Available with electronic ballast option.

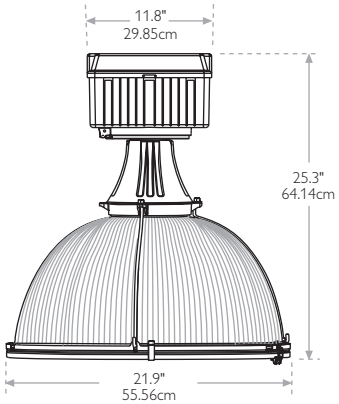
Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 55°C (131°F). Standard 5-year limited warranty.

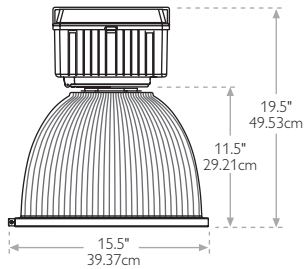
Dimensions



16" Glass Optics



22" Glass Optics



ILXQL Unit

ILXVA series

Industrial

Applications include industrial facilities, manufacturing plants, foundries and forges, swimming pools and gymnasiums.

Features

Optical system: Modular optical assembly with integrally cast hinge and electrical disconnect. The optical assembly consists of an elliptical, computer designed, hydroformed aluminum reflector with 2400 facets formulated to provide light distribution that is wide along the length of the aisle and narrow across the width of the aisle. Fully gasketed optical assembly ensures a Dust-Tite optical assembly for higher maintained light levels. Reflector is hydroformed of high-grade specular aluminum with an anodized finish. Standard unit constructed to IP65. Tempered glass is standard 5 mil FEP Teflon® over Glass lens is optional (transmits 5% more light than clear glass).

Lamp/socket: ILX Vertic'Aisle luminaires require mogul-based lamps.

Ballast: Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil assembly and capacitor for safe and reliable component life. SilentGuard high power factor ballast with reliable starting to -29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. Suitable for heavy industrial applications, and electronic ballast option is available.

Mounting: Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made.

Listings/warranty: ETL/cETL Listed luminaire suitable for wet locations. Suitable for use in ambients not exceeding 55°C (131°F). Standard 5-year limited warranty.

Series (1)
Metal Halide
ILXM-1000
Pulse Start Metal Halide
ILXP-175
ILXP-200
ILXP-250
ILXP-320
ILXP-350
ILXP-400
ILXP-450
ILXP-750
ILXP-875
ILXP-1000
PSMH w/Pulse Reg Magnetic Ballast (2)
ILXR-175
ILXR-250
ILXR-400
ILXR-450 (3)
High Pressure Sodium
ILXS-250
ILXS-400

Refractor
VAE
Vertic'Aisle (Enclosed) with tempered Glass lens (standard)

VAETG
Vertic'Aisle (Enclosed) with Teflon® over tempered Glass lens

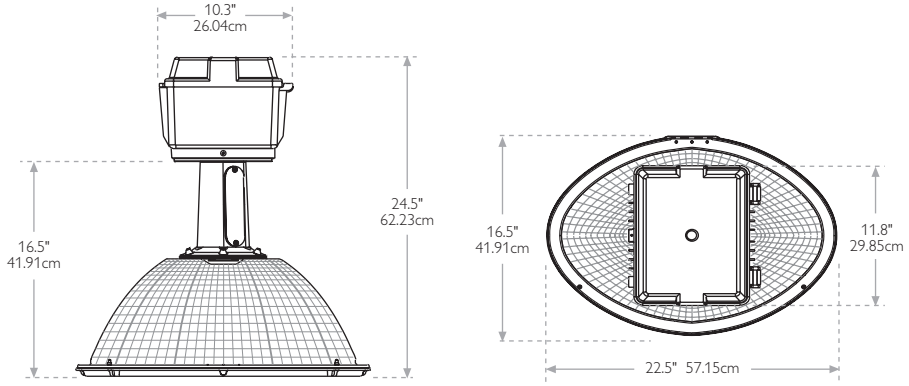
Voltage
120
208
240
277
480
QV
Quad voltage ballast. Allows field selection of 120/208/240/277 voltage.

Options
See Options and Accessories Section for Availability

Notes
(1) Electronic ballast options are available in limited wattages, voltages, and sources.
(2) Pulse Reg Magnetic Ballast (w /Pulse Start Lamps) feature:
a) 10:4 Lamp wattage regulation (10% line voltage change = 4% Lamp wattage change)
b) Ability to absorb voltage fluctuations common to heavy industrial applications
c) Compensation for large voltage drops associated with long circuit runs
d) Stable lamp output in spite of input power fluctuations
e) Available in 120V, 277V or 480V.
(3) ILXR-450 available in 277V only.

Also available in MasterColor Elite HID. Refer to spec sheets for details.

Dimensions



Element series ELHB

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Series
Pulse Start Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
M18NO
Narrow distribution, Open
M18NE
Narrow distribution, Enclosed (clear tempered glass lens)
M18NTG
Narrow distribution, Enclosed, Teflon® over clear glass lens
M18NT
Narrow distribution, Teflon® lens (requires open rated lamp)

M18WO
Wide distribution, Open
M18WE
Wide distribution, Enclosed (clear tempered glass lens)
M18WTG
Wide distribution, Enclosed, Teflon® over clear glass lens
M18WT
Wide distribution, Teflon® lens (requires open rated lamp)

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

Finish standard colors
TWHT
Textured White
WHT
White
TSA
Textured Satin Aluminum
TGR
Textured Gray
TBK
Textured Black
TDB
Textured Dark Bronze
TGN
Textured Green

decorator colors
PRL
Pearl Metallic
PWT
Pewter White
CRL
Charcoal Metallic
TER
Terra Metallic
BGE
Beige Metallic
RAL(*)
Custom Color (*= specify RAL #)
MC(XXX)
Custom Multi-Color (consult factory)

Notes
(1) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Also available in MasterColor Elite HID.
Refer to spec sheets for details.

Features

Optical system: The reflector is spun from high-purity, chemically brightened anodized aluminum. Available in either narrow or wide distribution and either open or enclosed construction. The enclosed unit may be specified with a clear tempered glass lens, or a 5 mil FEP Teflon® over glass lens. Open rated lamps are required if specifying the enclosed unit with a Teflon® lens alone, which transmits 5% more light than clear glass.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Remote mount ballast, dual or tri-baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

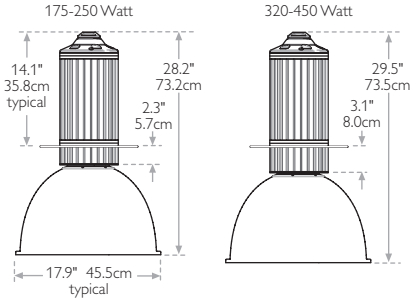
Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

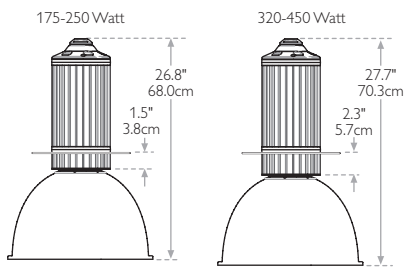
Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Dimensions

ELHB NO Narrow Distribution, Open Construction



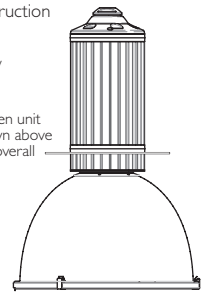
ELHB WO Wide Distribution, Open Construction



ELHB * E
Enclosed Construction

* = N for Narrow
W for Wide

Add ¼" to the open unit overal height shown above for enclosed unit overall dimension.



Element series ELLB

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Features

Optical system: Features include a hinged and gasketed optical assembly in either a 22" or 28" diameter. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly which features a permanently sealed acrylic refractor.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Remote mount ballast, dual or tri-baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Series
Pulse Start
Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
LB22
Low Bay with 22" diameter optics

LB28
Low Bay with 28" diameter optics

Notes
(1) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Also available in CosmoPolis and MasterColor Elite HID. Refer to spec sheets for details.

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

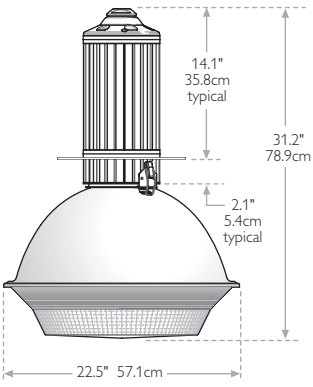
Options
See Options and Accessories Section for Availability

Finish
standard colors
TWHT
Textured White
WHT
White
TSA
Textured Satin Aluminum
TGR
Textured Gray
TBK
Textured Black
TDB
Textured Dark Bronze
TGN
Textured Green

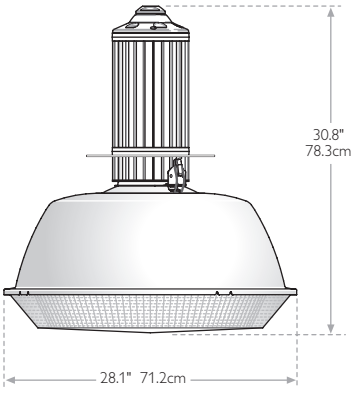
decorator colors
PRL
Pearl Metallic
PWT
Pewter White
CRL
Charcoal Metallic
TER
Terra Metallic
BGE
Beige Metallic
RAL(*)
Custom Color (*= specify RAL #)
MC(XXX)
Custom Multi-Color (consult factory)

Dimensions

ELLB LB22



ELLB LB28



Element series ELCB

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Series
Pulse Start
Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
CBC
Comfort Bay with conical lens
CBD
Comfort Bay with dropped lens

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

Finish
standard colors
TWHT
Textured White
WHT
White
TSA
Textured Satin Aluminum
TGR
Textured Gray
TBK
Textured Black
TDB
Textured Dark Bronze
TGN
Textured Green

decorator colors
PRL
Pearl Metallic
PWT
Pewter White
CRL
Charcoal Metallic
TER
Terra Metallic
BGE
Beige Metallic
RAL(*)
Custom Color (*= specify RAL #)
MC(XXX)
Custom Multi-Color (consult factory)

Notes
(1) Standard Element Pulse Start Metal Halide units use BT28 or BT37 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Also available in CosmoPolis and MasterColor Elite HID. Refer to spec sheets for details.

Features

Optical system: Features include a hinged and gasketed optical assembly. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly, which features a permanently sealed acrylic refractor, available in either a Conical or Dropped profile.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Dual or Tri-Baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

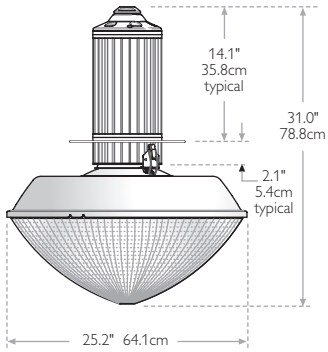
Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

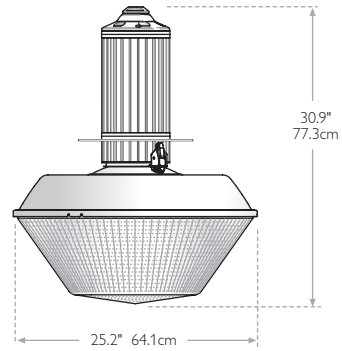
Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Dimensions

ELCB C
(Conical Lens)



ELCB D
(Dropped Lens)



Element series ELA

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Series
Pulse Start Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
A19O
19" Acrylic High Bay, Open
C19E (4)
19" Acrylic High Bay, Enclosed, Conical lens
A22O
22" Acrylic High Bay, Open
C22E
22" Acrylic High Bay, Enclosed, Conical lens
D22E
22" Acrylic High Bay, Enclosed, Dropped lens
A25O
25" Acrylic High Bay, Open
D25E
25" Acrylic High Bay, Enclosed, Dropped lens

Voltage/E-Ballast/dimming
120 (5)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (6)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

Finish
standard colors
TWHT
Textured White
WHT
White
TSA
Textured Satin Aluminum
TGR
Textured Gray
TBK
Textured Black
TDB
Textured Dark Bronze
TGN
Textured Green

decorator colors

PRL
Pearl Metallic
PWT
Pewter White
CRL
Charcoal Metallic
TER
Terra Metallic
BGE
Beige Metallic
RAL(*)
Custom Color (*= specify RAL #)
MC(XXX)
Custom Multi-Color (consult factory)

Notes
(1) Open PS luminaires require "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) C19E optic available for 175 and 200 watt units only.
(5) 120V ballast available with 175 through 250 watt units only.
(6) Available with 320, 350 or 400 watt units only.

Features

Optical system: The UV stabilized prismatic reflective refractor adds an uplight component to give fill light on ceiling surfaces, improving the quality of the lighting environment. Unit available as either an open or enclosed unit in three sizes in all wattages. Enclosed units feature a refractive lower lens which allows relamping. 19" enclosed units have a conical lower lens. 22" enclosed units may be specified with either a conical or dropped lens. 25" enclosed units have a dropped lens.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Standard pendant mounting features a cast aluminum nut and hub to provide quick, positive mounting. Decorative options include remote mount ballast, dual or tri-baffle, suspended cable mount and suspended lens options available

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides bi-level (Hi / Low) dimming to 50% power. The AD option provides analog (full range) dimming to 50% power.

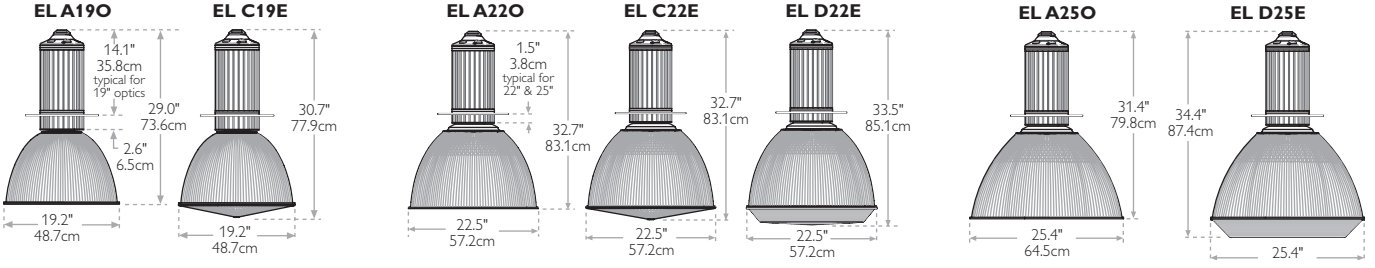
Lamp/socket: All luminaires require open rated Pulse Start mogul-based lamps.

Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Also available in MasterColor Elite HID, Low-Wattage HID and compact fluorescent. Refer to spec sheets for details.

Dimensions



Element series ELMG

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Series
Pulse Start Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
MG16NO=16" Metal over Glass (glass lined), Narrow distribution, Open
MG16NE=16" Metal over Glass (glass lined), Narrow distribution, Enclosed, Clear lens
MG16ND=16" Metal over Glass (glass lined), Narrow distribution, Enclosed, Diffuse lens
MG16WO=16" Metal over Glass (glass lined), Wide distribution, Open
MG16WE=16" Metal over Glass (glass lined), Wide distribution, Enclosed, Clear lens
MG16WD=16" Metal over Glass (glass lined), Wide distribution, Enclosed, Diffuse lens
MG22NO=22" Metal over Glass (glass lined), Narrow distribution, Open
MG22NE=22" Metal over Glass (glass lined), Narrow distribution, Enclosed, Clear lens
MG22ND=22" Metal over Glass (glass lined), Narrow distribution, Enclosed, Diffuse lens
MG22WO=22" Metal over Glass (glass lined), Wide distribution, Open
MG22WE=22" Metal over Glass (glass lined), Wide distribution, Enclosed, Clear lens
MG22WD=22" Metal over Glass (glass lined), Wide distribution, Enclosed, Diffuse lens

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

Finish standard colors

TWHT
Textured White
WHT
White
TSA
Textured Satin Aluminum
TGR
Textured Gray
TBK
Textured Black
TDB
Textured Dark Bronze
TGN
Textured Green

decorator colors

PRL
Pearl Metallic
PWT
Pewter White
CRL
Charcoal Metallic
TER
Terra Metallic
BGE
Beige Metallic
RAL(*)
Custom Color (*= specify RAL #)
MC(XXX)
Custom Multi-Color (consult factory)

Features

Optical system: The glass-lined reflector features borosilicate glass optics covered with a metal high bay reflector whose finish color may be specified. Available with open or enclosed construction. Enclosed units feature a clear or diffuse tempered glass lens and metal lens frame.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Remote mount ballast, dual or tri-baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

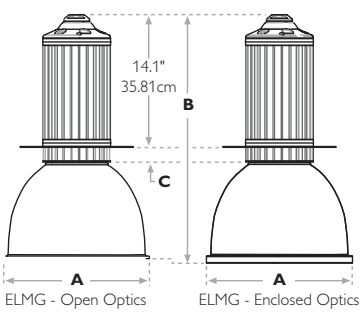
Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Notes
(1) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Also available in MasterColor Elite HID, Low-Wattage HID, QL Induction and compact fluorescent. Refer to spec sheets for details.

Dimensions



ELMG - Open Optics ELMG - Enclosed Optics

	A	B	C
Open optics			
ELMG16WO (with BT28 lamp)	15.0" 38.1cm	26.0" 66.0cm	1.6" 4.1cm
ELMG16WO (with BT37 e-lamp)	15.0" 38.1cm	28.1" 71.4cm	3.7" 9.4cm
ELMG16NO (with BT28 lamp)	15.0" 38.1cm	27.4" 69.6cm	3.1" 7.9cm
ELMG16NO (with BT37 e-lamp)	15.0" 38.1cm	28.9" 73.4cm	4.5" 11.4cm
ELMG22WO (with BT28 lamp)	21.3" 54.1cm	26.0" 66.0cm	1.6" 4.1cm
ELMG22WO (with BT37 e-lamp)	21.3" 54.1cm	28.1" 71.4cm	3.7" 9.4cm
ELMG22NO (with BT28 lamp)	21.3" 54.1cm	27.5" 69.9cm	3.1" 7.9cm
ELMG22NO (with BT37 e-lamp)	21.3" 54.1cm	28.9" 73.4cm	4.5" 11.4cm

	A	B	C
Enclosed optics			
ELMG16WE/D (with BT28 lamp)	15.5" 39.4cm	26.5" 67.3cm	1.6" 4.1cm
ELMG16WE/D (with BT37 e-lamp)	15.5" 39.4cm	28.6" 72.6cm	3.7" 9.4cm
ELMG16NE/D (with BT28 lamp)	15.5" 39.4cm	27.9" 70.9cm	3.1" 7.9cm
ELMG16NE/D (with BT37 e-lamp)	15.5" 39.4cm	29.4" 74.7cm	4.5" 11.4cm
ELMG22WE/D (with BT28 lamp)	21.6" 54.9cm	26.5" 67.3cm	1.6" 4.1cm
ELMG22WE/D (with BT37 e-lamp)	21.6" 54.9cm	28.6" 72.6cm	3.7" 9.4cm
ELMG22NE/D (with BT28 lamp)	21.6" 54.9cm	28.0" 71.1cm	3.1" 7.9cm
ELMG22NE/D (with BT37 e-lamp)	21.6" 54.9cm	29.4" 74.7cm	4.5" 11.4cm

Element series ELMGR

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Series
Pulse Start Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
MGR16NO = 16" Rodded Metal over Glass (glass lined), Narrow distribution, Open
MGR16NE = 16" Rodded Metal over Glass (glass lined), Narrow distribution, Enclosed, Clear lens
MGR16ND = 16" Rodded Metal over Glass (glass lined), Narrow distribution, Enclosed, Diffuse lens
MGR16WO = 16" Rodded Metal over Glass (glass lined), Wide distribution, Open
MGR16WE = 16" Rodded Metal over Glass (glass lined), Wide distribution, Enclosed, Clear lens
MGR16WD = 16" Rodded Metal over Glass (glass lined), Wide distribution, Enclosed, Diffuse lens
MGR22NO = 22" Rodded Metal over Glass (glass lined), Narrow distribution, Open
MGR22NE = 22" Rodded Metal over Glass (glass lined), Narrow distribution, Enclosed, Clear lens
MGR22ND = 22" Rodded Metal over Glass (glass lined), Narrow distribution, Enclosed, Diffuse lens
MGR22WO = 22" Rodded Metal over Glass (glass lined), Wide distribution, Open
MGR22WE = 22" Rodded Metal over Glass (glass lined), Wide distribution, Enclosed, Clear lens
MGR22WD = 22" Rodded Metal over Glass (glass lined), Wide distribution, Enclosed, Diffuse lens

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

Finish standard colors

TWHT Textured White
WHT White
TSA Textured Satin Aluminum
TGR Textured Gray
TBK Textured Black
TDB Textured Dark Bronze
TGN Textured Green

decorator colors

PRL Pearl Metallic
PWT Pewter White
CRL Charcoal Metallic
TER Terra Metallic
BGE Beige Metallic
RAL(*) Custom Color (*= specify RAL #)
MC(XXX) Custom Multi-Color (consult factory)

Features

Optical system: The glass-lined reflector features borosilicate glass optics covered with a metal high bay reflector whose finish color may be specified. Rods and lower ring offer an additional level of protection in gymnasiums and other active environments. Available with open or enclosed construction. Enclosed units feature a clear or diffuse tempered glass lens and metal lens frame.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Remote mount ballast, dual or tri-baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

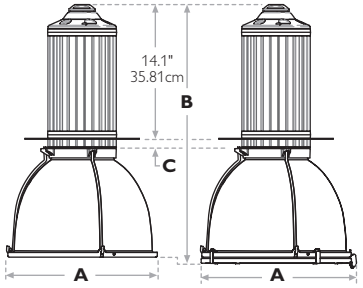
Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Notes
(1) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Also available in MasterColor Elite HID, CosmoPolis HID, Low-Wattage HID and compact fluorescent. Refer to spec sheets for details.

Dimensions



ELMGR - Open Optics ELMGR - Enclosed Optics

	A	B	C
Open optics			
ELMGR16WO (with BT28 lamp)	15.8" 40.1cm	26.3" 66.8cm	0.8" 2.0cm
ELMGR16WO (with BT37 e-lamp)	15.0" 40.1cm	28.2" 71.6cm	2.7" 6.9cm
ELMGR16NO (with BT28 lamp)	15.8" 40.1cm	27.8" 70.6cm	2.3" 5.8cm
ELMGR16NO (with BT37 e-lamp)	15.8" 40.1cm	29.8" 75.7cm	4.3" 10.9cm
ELMGR22WO (with BT28 lamp)	21.8" 55.4cm	26.3" 66.8cm	0.8" 2.0cm
ELMGR22WO (with BT37 e-lamp)	21.8" 55.4cm	28.2" 71.6cm	2.7" 6.9cm
ELMGR22NO (with BT28 lamp)	21.8" 55.4cm	27.8" 70.6cm	2.3" 5.8cm
ELMGR22NO (with BT37 e-lamp)	21.8" 55.4cm	29.8" 75.7cm	4.3" 10.9cm

	A	B	C
Enclosed optics			
ELMGR16WE/D (with BT28 lamp)	16.2" 41.2cm	27.4" 69.6cm	0.8" 2.0cm
ELMGR16WE/D (with BT37 e-lamp)	16.2" 41.2cm	29.3" 74.4cm	2.7" 6.9cm
ELMGR16NE/D (with BT28 lamp)	16.2" 41.2cm	28.9" 73.4cm	2.3" 5.8cm
ELMGR16NE/D (with BT37 e-lamp)	16.2" 41.2cm	30.9" 78.5cm	4.3" 10.9cm
ELMGR22WE/D (with BT28 lamp)	22.3" 56.6cm	27.4" 69.6cm	0.8" 2.0cm
ELMGR22WE/D (with BT37 e-lamp)	22.3" 56.6cm	29.3" 74.4cm	2.7" 6.9cm
ELMGR22NE/D (with BT28 lamp)	22.3" 56.6cm	28.9" 73.4cm	2.3" 5.8cm
ELMGR22NE/D (with BT37 e-lamp)	22.3" 56.6cm	30.9" 78.5cm	4.3" 10.9cm

Element series ELG

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Series
Pulse Start Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
G16NO=16" Glass, Narrow distribution, Open
G16NE=16" Glass, Narrow distribution, Enclosed, Clear lens
G16ND=16" Glass, Narrow distribution, Enclosed, Diffuse lens
G16WO=16" Glass, Wide distribution, Open
G16WE=16" Glass, Wide distribution, Enclosed, Clear lens
G16WD=16" Glass, Wide distribution, Enclosed, Diffuse lens
G22NO=22" Glass, Narrow distribution, Open
G22NE=22" Glass, Narrow distribution, Enclosed, Clear lens
G22ND=22" Glass, Narrow distribution, Enclosed, Diffuse lens
G22WO=22" Glass, Wide distribution, Open
G22WE=22" Glass, Wide distribution, Enclosed, Clear lens
G22WD=22" Glass, Wide distribution, Enclosed, Diffuse lens

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

Finish standard colors
TWHT Textured White
WHT White
TSA Textured Satin Aluminum
TGR Textured Gray
TBK Textured Black
TDB Textured Dark Bronze
TGN Textured Green

decorator colors
PRL Pearl Metallic
PWT Pewter White
CRL Charcoal Metallic
TER Terra Metallic
BGE Beige Metallic
RAL(*) Custom Color (*= specify RAL #)
MC(XXX) Custom Multi-Color (consult factory)

Notes
(1) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Also available in MasterColor Elite HID, Low-Wattage HID, QL Induction and compact fluorescent. Refer to spec sheets for details.

Features

Optical system: The prismatic reflector of borosilicate glass adds an uplight component to give fill light on ceiling surfaces, improving the quality of the lighting environment. Available in either narrow or wide distribution and either open or enclosed construction. Enclosed units feature a clear or diffuse tempered glass lens and metal lens frame.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Remote mount ballast, dual or tri-baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty

Dimensions

	A	B	C
Open optics			
ELG16WO (with BT28 lamp)	15.0" 38.1cm	26.0" 66.0cm	1.6" 4.1cm
ELG16WO (with BT37 e-lamp)	15.0" 38.1cm	28.1" 71.4cm	3.7" 9.4cm
ELG16NO (with BT28 lamp)	15.0" 38.1cm	27.4" 69.6cm	3.1" 7.9cm
ELG16NO (with BT37 e-lamp)	15.0" 38.1cm	28.9" 73.4cm	4.5" 11.4cm
ELG22WO (with BT28 lamp)	21.3" 54.1cm	26.0" 66.0cm	1.6" 4.1cm
ELG22WO (with BT37 e-lamp)	21.3" 54.1cm	28.1" 71.4cm	3.7" 9.4cm
ELG22NO (with BT28 lamp)	21.3" 54.1cm	27.5" 69.9cm	3.1" 7.9cm
ELG22NO (with BT37 e-lamp)	21.3" 54.1cm	28.9" 73.4cm	4.5" 11.4cm

	A	B	C
Enclosed optics			
ELG16WE/D (with BT28 lamp)	15.5" 39.4cm	26.5" 67.3cm	1.6" 4.1cm
ELG16WE/D (with BT37 e-lamp)	15.5" 39.4cm	28.6" 72.6cm	3.7" 9.4cm
ELG16NE/D (with BT28 lamp)	15.5" 39.4cm	27.9" 70.9cm	3.1" 7.9cm
ELG16NE/D (with BT37 e-lamp)	15.5" 39.4cm	29.4" 74.7cm	4.5" 11.4cm
ELG22WE/D (with BT28 lamp)	21.6" 54.9cm	26.5" 67.3cm	1.6" 4.1cm
ELG22WE/D (with BT37 e-lamp)	21.6" 54.9cm	28.6" 72.6cm	3.7" 9.4cm
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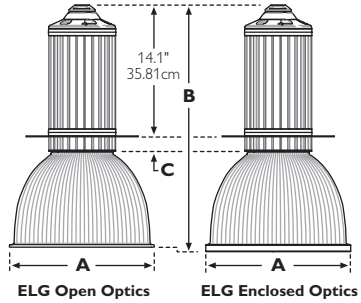
ELG22NE/D (with BT37 e-lamp)	21.6" 54.9cm	29.4" 74.7cm	4.5" 11.4cm



ELG Open Optics ELG Enclosed Optics

Element series ELGR

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Features

Optical system: The prismatic reflector of borosilicate glass adds an uplight component to give fill light on ceiling surfaces, improving the quality of the lighting environment. Available in either narrow or wide distribution and either open or enclosed construction. Enclosed units feature a clear or diffuse tempered glass lens and metal lens frame.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Remote mount ballast, dual or tri-baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Series
Pulse Start Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
GR16NO=16" Glass, Narrow distribution, Open
GR16NE=16" Glass, Narrow distribution, Enclosed, Clear lens
GR16ND=16" Glass, Narrow distribution, Enclosed, Diffuse lens
GR16WO=16" Glass, Wide distribution, Open
GR16WE=16" Glass, Wide distribution, Enclosed, Clear lens
GR16WD=16" Glass, Wide distribution, Enclosed, Diffuse lens
GR22NO=22" Glass, Narrow distribution, Open
GR22NE=22" Glass, Narrow distribution, Enclosed, Clear lens
GR22ND=22" Glass, Narrow distribution, Enclosed, Diffuse lens
GR22WO=22" Glass, Wide distribution, Open
GR22WE=22" Glass, Wide distribution, Enclosed, Clear lens
GR22WD=22" Glass, Wide distribution, Enclosed, Diffuse lens

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

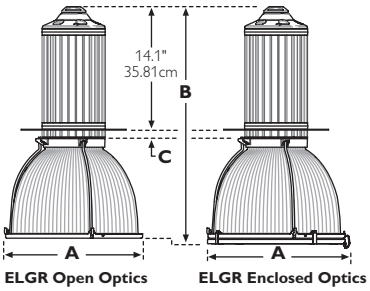
Finish
standard colors
TWHT Textured White
WHT White
TSA Textured Satin Aluminum
TGR Textured Gray
TBK Textured Black
TDB Textured Dark Bronze
TGN Textured Green

decorator colors
PRL Pearl Metallic
PWT Pewter White
CRL Charcoal Metallic
TER Terra Metallic
BGE Beige Metallic
RAL(*) Custom Color (*= specify RAL #)
MC(XXX) Custom Multi-Color (consult factory)

Also available in MasterColor Elite HID, Low-Wattage HID and compact fluorescent. Refer to spec sheets for details.

Notes
(1) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Dimensions



ELGR Open Optics ELGR Enclosed Optics

Open optics	A	B	C
ELGR16WO (with BT28 lamp)	15.8" 40.1cm	26.3" 66.8cm	0.8" 2.0cm
ELG16RWO (with BT37 e-lamp)	15.8" 40.1cm	28.2" 71.6cm	2.7" 6.9cm
ELG16RNO (with BT28 lamp)	15.8" 40.1cm	27.8" 70.6cm	2.3" 5.8cm
ELG16RNO (with BT37 e-lamp)	15.8" 40.1cm	29.8" 75.7cm	4.3" 10.9cm
ELG22RWO (with BT28 lamp)	21.8" 55.4cm	26.3" 66.8cm	0.8" 2.0cm
ELG22RWO (with BT37 e-lamp)	21.8" 55.4cm	28.2" 71.6cm	2.7" 6.9cm
ELG22RNO (with BT28 lamp)	21.8" 55.4cm	27.8" 70.6cm	2.3" 5.8cm
ELG22RNO (with BT37 e-lamp)	21.8" 55.4cm	29.8" 75.7cm	4.3" 10.9cm

Enclosed optics	A	B	C
ELGR16WE/D (with BT28 lamp)	16.2" 41.2cm	27.4" 9.6cm	0.8" 2.0cm
ELG16RWE/D (with BT37 e-lamp)	16.2" 41.2cm	29.3" 74.4cm	2.7" 6.9cm
ELG16RNE/D (with BT28 lamp)	16.2" 41.2cm	28.9" 73.4cm	2.3" 5.8cm
ELG16RNE/D (with BT37 e-lamp)	16.2" 41.2cm	30.9" 78.5cm	4.3" 10.9cm
ELG22RWE/D (with BT28 lamp)	22.3" 56.6cm	27.4" 69.6cm	0.8" 2.0cm
ELG22RWE/D (with BT37 e-lamp)	22.3" 56.6cm	29.3" 74.4cm	2.7" 6.9cm
ELG22RNE/D (with BT28 lamp)	22.3" 56.6cm	28.9" 73.4cm	2.3" 5.8cm
ELG22RNE/D (with BT37 e-lamp)	22.3" 56.6cm	30.9" 78.5cm	4.3" 10.9cm

Element series - ELVA

Industrial

Applications include indoor swimming pools, light industrial manufacturing facilities, offices, lobbies, conference rooms, food processing plants, auditoriums and gymnasiums.

Series
Pulse Start
Metal Halide (1)
ELP-175 (2)
ELP-200 (2)
ELP-250 (2)
ELP-320
ELP-350
ELP-400
ELP-450 (3)

Optics
VAO
Vertic'Aisle faceted elliptical reflector, Open

VAE
Vertic'Aisle faceted elliptical reflector, Enclosed, clear tempered glass lens

Voltage/E-Ballast/dimming
120 (4)
208
240
277

Voltage:
Electronic ballast type:
E=Electronic ballast (standard)
Alternately, a specific manufacturer's product may be selected. Consult factory.
E1 = Metrolight SuperHID™
E4 = Advance Dynavision (5)

Ballast Ordering Examples:
Non-dimming:
electronic ballast, 208V=**208E**
electronic ballast, 240V=**240E**
electronic ballast, 277V=**277E**
E1 or E4 non-dimming:
Metrolight SuperHID™, 120V=**120E1**
Metrolight SuperHID™, 208V=**208E1**
Metrolight SuperHID™, 240V=**240E1**
Metrolight SuperHID™, 277V=**277E1**
Advance Dynavision, 208V=**208E4**
Advance Dynavision, 240V=**240E4**
Advance Dynavision, 277V=**277E4**

Dimming:
Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.
BL=Bi-Level (Hi / Low) dimming to 50% power
AD=Analog (full range 0-50) dimming to 50% power

Dimming Ballast Ordering Examples:
277V analog dimming ballast=**277EAD**
240V Metrolight SuperHID™ analog dimming ballast=**240E1AD**
208V Advance Dynavision bi-level dimming ballast=**208E4BL**

Options
See Options and Accessories Section for Availability

Finish standard colors

TWHT
Textured White
WHT
White
TSA
Textured Satin Aluminum
TGR
Textured Gray
TBK
Textured Black
TDB
Textured Dark Bronze
TGN
Textured Green

decorator colors

PRL
Pearl Metallic
PWT
Pewter White
CRL
Charcoal Metallic
TER
Terra Metallic
BGE
Beige Metallic
RAL(*)
Custom Color (*= specify RAL #)
MC(XXX)
Custom Multi-Color (consult factory)

Notes
1) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options. Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
(2) 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
(3) 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
(4) 120V ballast available with 175 through 250 watt units only.
(5) Available with 320, 350 or 400 watt units only.

Also available in MasterColor Elite HID and CosmoPolis HID. Refer to spec sheets for details.

Features

Optical system: The computer-designed hydroformed aluminum reflector has a high-grade anodized finish with 2400 facets. The elliptical faceted reflector produces a distribution that is wide along the length of the aisle and narrow across the width of the aisle, providing even aisle illumination from floor to ceiling, ideal for warehouse racks. Available with open or enclosed construction. Enclosed units feature a clear or diffuse tempered glass lens and metal lens frame.

Performance: The digitally controlled ignition virtually eliminates lamp electrode wear and wall blackening. Installations benefit from an increase in average illumination over time, reduced maintenance costs due to longer lamp life, and 40% - 65% energy savings overall. The light output of a typical 400W Pulse Start installation can be controlled to vary no more than 5% over 20,000 hours with dimming options.

Ballast: High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). Single baffle is standard. Remote mount ballast, dual or tri-baffle option may be specified.

Dimming: Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power.

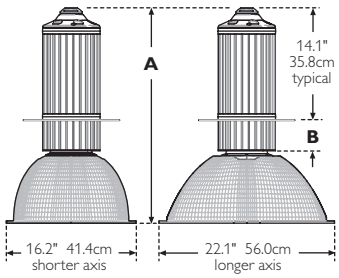
Lamp/socket: All luminaires require Pulse Start mogul-based lamps.

Finish: Ballast housing has an UltraClad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

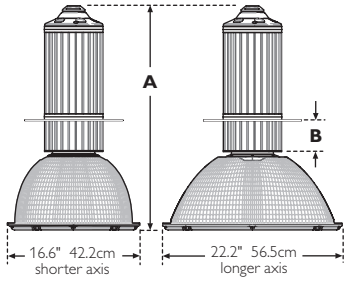
Listings/warranty: UL/cUL Listed luminaire suitable for wet locations. Standard 3-year limited warranty.

Dimensions

ELVA O Open Construction



ELVA E Enclosed Construction



	175-250W	320-450W
A	25.3" 64.2cm	26.8" 68.0cm
B	1.6" 4.1cm	3.6" 9.0cm

Sportlite tech lifters

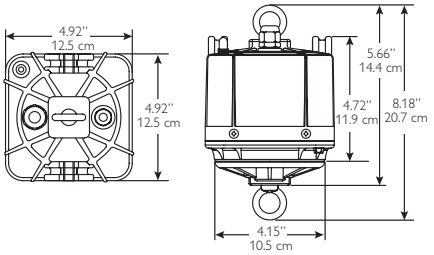
Industrial

The Remote Lighting Lifter provides a safe, fast and convenient method for maintaining all types of luminaires. The design comes in a range of options to suit most applications with lifting capacities that range from 8 lbs to 1100 lbs. Convenience, safety and flexibility are all important benefits of the Sportlite Reel Tech lifter. The system automatically switches off the light and electrically disconnects when lowered, thereby eliminating the possibility of electrical shock as well as removing all height related hazards.

Compact type lifter

Model #	Net weight	Lifting weight	Lifting distance	# of lifting wires	Lifting wires (OD)	Speed	Rated current of illuminator	Type of electric motor	Voltage	Stand by current	Motor load current
CSI-12	6.61 lbs.	8-26 lbs.	49.5 ft.	1	1.4 mm	9.84 ft/min	16A	24V DC	120/277	0.04A	0.3A
CDI-15	6.61 lbs.	8-33 lbs.	32.8 ft.	2	1.2 mm	9.84 ft/min	16A	24V DC	120/277	0.04A	0.3A

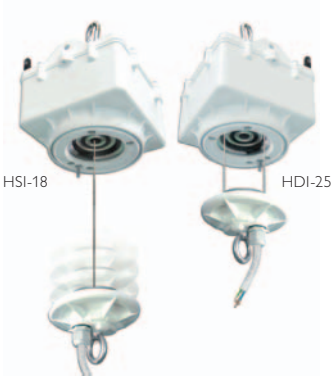
Dimensions



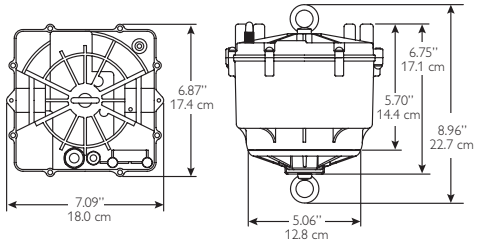
Includes mounting clips top and bottom

Hook up type lifter

Model #	Net weight	Lifting weight	Lifting distance	# of lifting wires	Lifting wires (OD)	Speed	Rated current of illuminator	Type of electric motor	Voltage	Stand by current	Motor load current
HSI-18	12.12 lbs.	8-40 lbs.	32.8 ft.	1	2.0 mm	14.43 ft/min	16A	AC	120 or 277	0.1A	0.8A
HDI-25	12.12 lbs.	8-55 lbs.	32.8 ft.	2	1.6 mm	7.21 ft/min	16A	AC	120 or 277	0.1A	0.8A



Dimensions

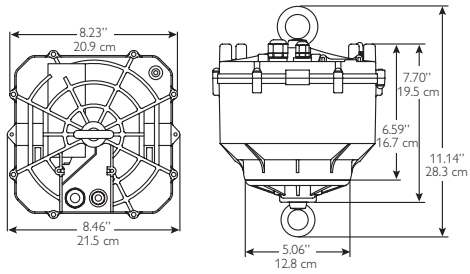


Includes mounting clips top and bottom

Heavy duty type lifter

Model #	Net weight	Lifting weight	Lifting distance	# of lifting wires	Lifting wires (OD)	Speed	Rated current of illuminator	Type of electric motor	Voltage	Stand by current	Motor load current
PSI-20	19.1 lbs.	22-44 lbs.	49.2 ft.	1	2.4 mm	17.7 ft/min	16A	AC	120 or 277	0.1A	1.3A
PDI-35	19.1 lbs.	22-77 lbs.	32.8 ft.	2	2.0 mm	8.8 ft/min	16A	AC	120 or 277	0.1A	1.3A
PSI-30	19.1 lbs.	22-66 lbs.	49.2 ft.	1	2.4 mm	32.8 ft/min	16A	BLDC	120 or 277	0.15A	1.0A
PDI-50	20.9 lbs.	22-100 lbs.	32.8 ft.	2	2.4 mm	16.4 ft/min	16A	BLDC	120 or 277	0.15A	1.0A

Dimensions

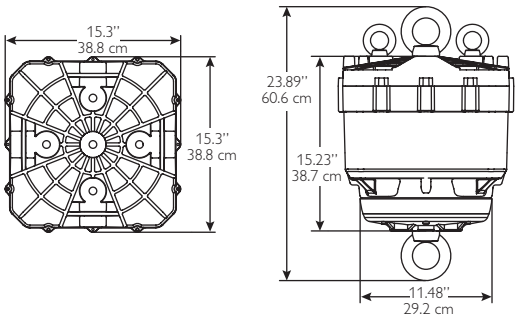


Includes mounting clips top and bottom

Super heavy duty type lifter

Model #	Net weight	Lifting weight	Lifting distance	# of lifting wires	Lifting wires (OD)	Speed	Rated current of illuminator	Type of electric motor	Voltage	Stand by current	Motor load current
PFI-100	55 lbs.	110-220 lbs.	82 ft.	4	3.0 mm	16.4 ft/min	64A	BLDC	120 or 277	0.2A	1.6A
PFI-200	55 lbs.	132-440 lbs.	65.6 ft.	4	4.0 mm	16.4 ft/min	64A	BLDC	120 or 277	0.2A	2.2A
PFI-300	99 lbs.	220-661 lbs.	59 ft.	4	5.0 mm	16.4 ft/min	64A	BLDC	120 or 277	0.2A	3.0A
PFI-500	110 lbs.	220-1100 lbs.	49.2 ft.	4	6.0 mm	16.4 ft/min	64A	BLDC	120 or 277	0.3A	3.0A

Dimensions



Includes mounting clips top and bottom

Accessories

Accessories

WP-4 - 4 switch Wall Plate
SWM-1 - 2-Way Switch (maintained)
SWM-2 - 2-Way Switch (maintained 2 switches)
SWMK-1 - 2 Way Key Switch (maintained)
SWMK-2 - 2 Way Key Switch (maintained 2 switches)
RCU - Remote Control Unit – Hand Held
WCP - Wall Mount Wireless Remote Control Unit
MB - Mounting Bracket for WCP (above)
RMK - Recessed Mounting Kit (does not with mounting brackets)
SRP - Seismic Restraint Package

Mounting Brackets

HBMH - H Beam Mount
HMH - Hook Mount
AMH - Angle Mount
PMH - Pole Mount
CMH - Ceiling Mount
RMH - Recess Mount

Plugs

5-15P - 120v Straight
L5-15P - 120v Locking
L7-15P - 277v Locking

Receptacles

5-15R - 120v Straight
L5-15R - 120v Locking
L7-15R - 277v Locking

Lifter bottom plates

SCR - Screw Type (3/4" pendant thread)
PLT - Plate Type

Accessories and options

	Lumastar EB 16"	Lumastar RB 16"	Lumastar SB 16"	Lumastar NB 16"	Lumastar IB 16"	Lumastar RB 25"	Lumastar SB 25"	Lumastar NB 25"	Lumastar IB 25"	Constar EB 12"	Constar EB 16"	Constar RB 12"	Constar SB 12"	Constar NB 12"	Constar RB 16"	Constar SB 16"	Constar NB 16"	Constar RB 22"	Constar SB 22"	Constar NB 22"	Constar RB 25"	Constar SB 25"	Constar NB 25"	Constar mini hi-bay	Constar mini soft bay
Options																									
Fusing 120/277V – F	■	■	■		■	■			■	■	■	■	■		■	■		■	■		■	■		■	■
Fusing 208/240/480V – G							■												■			■			
Open rated socket – OR	■	■	■		■	■	■		■	■	■	■	■		■	■		■	■		■	■		■	■
Time delay quartz restrike – Q		■	■		■	■	■		■						■	■		■	■		■	■		■	■
4' Coil cord/cable set – C4	■	■	■	■		■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■		
10' Coil cord/cable set – C10	■	■	■	■		■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■		
4' Straight cord/cable white – SC	■									■	■														
4' Straight cord/ cable black – SCB	■									■	■														
Thru wire hub – TW					■				■																
3' Cord, 714 Loop, 15A Plug – H					■				■															■	■
3' Cord, 714 Loop, 20A Plug – I					■				■															■	■
3' Cord, 715 Hook, 15A, Plug J					■				■															■	■
3' Cord, 715 Hook, 20A Plug – K					■				■															■	■
Threaded hub (3/4") – TH																									
Wet location rating –WL																									
Horizontal socket position – HOR																									
Vandal lens (GYM) – VL																									
Tamper resistant – TR																									
Bi-Level switching – Z									■																
Inside/Outside paint – "O"																								■	
Accessories																									
Exceline stem kit – DBSTEMKIT																								■	■
12" Wireguard – WG12										■		■	■												
16" Wireguard open – WG16O											■				■	■	■								
22" Wireguard open – WG22O																		■	■	■					
22" Wireguard enclosed – WG22E																		■	■	■					
14" Wireguard – Guard14																									
16" Wireguard – Guard16																									
17" Wireguard – Guard17																									
20" Wireguard – Guard20																									
2X2 Flange kit- FMK22																									
Full perf shield insert – (UN-94-00918-000)																									
Half perf shield insert – (UN-94-00918-001)																									
Surface ball kit w/canopy (HF only) – "SSB-RL"																									

	Solstice RB 12"	Solstice SB 12"	Solstice NB 12"	Solstice RB 16"	Solstice SB 16"	Solstice NB 16"	Solstice RB 22"	Solstice SB 22"	Solstice NB 22"	Solstice RB 14"	Solstice SB 14"	Solstice NB 14"	Solstice RB 17"	Solstice SB 17"	Solstice NB 17"	Solstice RB 20"	Solstice SB 20"	Solstice NB 20"	Revealer RHP	Revealer RHL	Revealer RHO	Kaleidoscope RLW IN	Kaleidoscope RLW HF	Kaleidoscope RLW MA/LX	Kaleidoscope RLP IN
Options																									
Fusing 120/277V – F	■	■		■	■		■	■		■	■		■	■		■	■		■	■	■			■	
Fusing 208/240/480V – G								■									■								
Open rated socket – OR	■	■		■	■		■	■		■	■		■	■		■	■				■				
Time delay quartz restrike – Q	■	■		■	■		■	■		■	■		■	■		■	■		■	■	■				
4' Coil cord/cable set – C4																									■
10' Coil cord/cable set – C10																									■
4' Straight cord/cable white – SC																									
4' Straight cord/ cable black – SCB																									
Thru wire hub – TW																						■	■	■	
3' Cord, 714 Loop, 15A Plug – H																									
3' Cord, 714 Loop, 20A Plug – I																									
3' Cord, 715 Hook, 15A, Plug J																									
3' Cord, 715 Hook, 20A Plug – K																									
Threaded hub (3/4") – TH										■	■	■	■	■	■	■	■	■							
Wet location rating –WL										■	■	■	■	■	■	■	■	■							
Horizontal socket position – HOR																			■	■	■				
Vandal lens (GYM) – VL																				■					
Tamper resistant – TR																				■					
Bi-Level switching – Z																									
Inside/Outside paint – "O"																									
Accessories																									
Exceline stem kit – DBSTEMKIT																									
12" Wireguard – WG12	■	■	■																						
16" Wireguard open – WG16O				■	■	■																			
22" Wireguard open – WG22O							■	■	■																
22" Wireguard enclosed – WG22E							■	■	■																
14" Wireguard – Guard14										■	■	■													
16" Wireguard – Guard16				■	■	■																			
17" Wireguard – Guard17													■	■	■										
20" Wireguard – Guard20																■	■	■							
2X2 Flange kit- FMK22																			■	■	■				
Full perf shield insert – (UN-94-00918-000)																						■	■		
Half perf shield insert – (UN-94-00918-001)																						■	■		
Surface ball kit w/canopy (HF only) – "SSB-RL"																									

Options	Kaleidoscope RLP HF	Kaleidoscope RLP MA/LX	Kaleidoscope RLS IN	Kaleidoscope RLS HF	Kaleidoscope RLS MA/LX	Kaleidoshade RSA IN	Kaleidoshade RSA HF	Kaleidoshade RSA MA/LX	Kaleidoshade RIN IN	Kaleidoshade RIN HF	Kaleidoshade RIN MA/LX	Kaleidoshade RWV IN	Kaleidoshade RWV HF	Kaleidoshade RWV MA/LX	Kaleidoshade RTT IN	Kaleidoshade RTT HF	Kaleidoshade RTT MA/LX	Kaleidoshade RDB IN	Kaleidoshade RDB HF	Kaleidoshade RDB MA/LX
Fusing 120/277V – F		■			■			■			■			■			■			■
Fusing 208/240/480V – G																				
Open rated socket – OR																				
Time delay quartz restrike – Q																				
4' Coil cord/cable set – C4		■	■		■	■		■	■		■	■		■	■		■	■		■
10' Coil cord/cable set – C10		■	■		■	■		■	■		■	■		■	■		■	■		■
4' Straight cord/cable white – SC																				
4' Straight cord/ cable black – SCB																				
Thru wire hub – TW																				
3' Cord, 714 Loop, 15A Plug – H																				
3' Cord, 714 Loop, 20A Plug – I																				
3' Cord, 715 Hook, 15A, Plug J																				
3' Cord, 715 Hook, 20A Plug – K																				
Threaded hub (3/4") – TH																				
Wet location rating –WL																				
Horizontal socket position – HOR																				
Vandal lens (GYM) – VL																				
Tamper resistant – TR																				
Bi-Level switching – Z																				
Inside/Outside paint – "O"						■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Accessories																				
Exceline stem kit – DBSTEMKIT																				
12" Wireguard – WG12																				
16" Wireguard open – WG16O																				
22" Wireguard open – WG22O																				
22" Wireguard enclosed – WG22E																				
14" Wireguard – Guard14																				
16" Wireguard – Guard16																				
17" Wireguard – Guard17																				
20" Wireguard – Guard20																				
2X2 Flange kit- FMK22																				
Full perf shield insert – (UN-94-00918-000)	■		■	■		■	■		■	■		■	■		■	■		■	■	
Half perf shield insert – (UN-94-00918-001)	■		■	■		■	■		■	■		■	■		■	■		■	■	
Surface ball kit w/canopy (HF only) – "SSB-RL"							■			■			■			■			■	

Options	FLN454 Series	FLW632 Series	FLW654 Series	FLNT3 Series	FLNT4 Series	BY 16" Series	BY 22" Series	BY 25" Series	BY 14" Series	BY 17" Series	BY 2 0" Series	BYA 19" Series	BYL 22" Series	BYL 22" Gymbay series	BE 16" Series	BE 22" Series	BE 14" Series	BE 17" Series	BEL 22" Series
Fusing 120/277V – F1	■	■	■	■	■														
6' Black cord only – 6C	■	■	■	■	■														
6' Black cord/15A plug – 6F	■	■	■	■	■														
6' Black cord/20A plug – 6T	■	■	■	■	■														
Job pack (bulk qty.) –JP	■	■	■	■	■														
Pre-lamped 35K – 835	■	■	■	■	■														
Pre-lamped 41K – 841	■	■	■	■	■														
Pre-lamped 35K – 735	■	■	■	■	■														
Pre-lamped 41K – 741	■	■	■	■	■														
One lamp emergency pack (STD-lumen) – E1	■	■	■	■	■														
One lamp emergency pack (Hi-lumen) – E2	■	■	■	■	■														
3' black cord only – 3C	■	■	■																
3' black cord/15A plug – 3F	■	■	■																
3' Cord, 714 Loop/15A Plug – H						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3' Cord, 714 Loop/20A Plug – I						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3' Cord, 715 Hook/15A Plug – J						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3' Cord, 715 Hook/20A Plug – K						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Bi-level Switching – Z						■	■	■	■	■	■	■	■	■	■				
Bi-level Individual Switching – BLIC						■	■	■	■	■	■	■	■	■	■				
T.D. restrike-150PAR38 – A						■	■	■	■	■	■	■	■						
T.D. restrike-Q150/DC – B							■	■	■	■	■	■	■						
Manual socket external-150PAR38 – C						■	■	■	■	■	■	■	■						
Manual socket-Q150/DC – D							■	■	■	■	■	■	■						
T.D. restrike-lowbay-Q150 – L													■	■					
Manual socket-lowbay150PAR38 – M													■	■					
Fusing for 120/277V – F						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fusing for 208/240/480V – G						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Open rated socket – OR						■	■	■	■	■	■	■			■	■	■	■	■
Polycarbonate Refractor – P														■	■				
Quiet ballast (non-rated) – QB						■	■	■	■	■	■	■	■	■	■				
Softguard modification – R						■	■	■											
65°C ambient rating – BLK									■	■	■	■							

Accessories	FLN454 Series	FLW632 Series	FLW654 Series	FLNT3 Series	FLNT4 Series	BY 16" Series	BY 22" Series	BY 25" Series	BY 14" Series	BY 17" Series	BY 20" Series	BYA 19" Series	BYL 22" Series	BYL 22" Gymbay series	BE 16" Series	BE 22" Series	BE 14" Series	BE 17" Series	BEL 22" Series
Quick hang w/chain – FLC		■		■															
Motion sensor (120-277V) – FLMS	■	■	■	■	■														
Motion sensor (480V) – FLMS-5	■	■	■	■	■														
Center mount hanger – FLCM	■	■	■																
Lens for narrow body – FLNLENS																			
Lens for wide body – FLWLENS																			
Lens for narrow body – FNDOOR	■																		
Lens for wide body – FWDOOR		■	■																
Wireguard narrow body – FLNGUARD																			
Wireguard wide body – FLWGUARD																			
Wireguard narrow body – FNGUARD	■																		
Wireguard wide body – FWGUARD		■	■																
Gym prism narrow – FLNGYM																			
Gym prism wide – FLWGYM																			
Gym clear narrow – FLNGYMC																			
Gym clear wide – FLWGYMC																			
Tandem connector – T5CONNECTOR																			
3'-14/3 cord set/15A plug (120V) – HP12																			
3'-14/3 cord set/15A (208/240V) – HP25																			
3'-14/3 cord set/15A (277V) – HP27																			
Closed loop (glassbay) – LMR																			
Open hook (glassbay) – HMR																			
Power hook CHPB – voltage																			
Safety chain (glassbay) – SCB																			
Through wire box (glassbay) – OB																			
Wireguard 16" (glassbay) – WGG16																			
Wireguard 22" (glassbay) – WGG22																			
3'-16/3 715 hook, 15A plug – 3CP15 – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'-16/3 cord, 715 hook, 20A plug-3CP – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'-16/3 cord, 714 loop, 15A plug-3CP15L – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'-16/3 cord, 714 loop, 20A plug-3CPL – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'- cord (no plug) – 3C						■	■	■	■	■	■	■	■	■	■	■	■	■	■

Accessories	FLN454 Series	FLW632 Series	FLW654 Series	FLNT3 Series	FLNT4 Series	BY 16" Series	BY 22" Series	BY 25" Series	BY 14" Series	BY 17" Series	BY 20" Series	BYA 19" Series	BYL 22" Series	BYL 22" Gymbay series	BE 16" Series	BE 22" Series	BE 14" Series	BE 17" Series	BEL 22" Series
3'-16/3 cord, 15A plug (no hook) -3CP15LH – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
3'-16/3 cord, 20A plug (no hook) -3CPLH – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hang straight – 718S						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mounting loops – 714S						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Cast aluminum mounting hook – 715NEW						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Steel mounting hook – 725S						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Power hook-universal mount-713 – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Power hook-universal-713S – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Power hook-pendant mount-723 – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Power hook-pendant mount-723S – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Power hook-universal-733 – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Power hook-universal-733S – voltage						■	■	■	■	■	■	■	■	■	■	■	■	■	■
48" safety chain – 717						■	■	■	■	■	■	■	■	■	■				
Through wire box – TWB						■	■	■	■	■	■	■	■	■	■				
16" wirecage – SOFTGUARD16						■													
25" wirecage – SOFTGUARD25							■	■											
16" wireguard (lens) – GUARD16						■													
16" wireguard (open) – WG16O						■													
22" wireguard (enclosed) – WG22E							■												
22" wireguard (open) – WG22O							■												
14" wireguard – GUARD14									■										
17" wireguard – GUARD17										■									
20" wireguard – GUARD20											■								
Round deco shroud 14" – 7160									■										
Round deco shroud 17" – 7170										■									
Round deco shroud 20" – 7200											■								
Square deco shroud 14" – 7165									■										
Square deco shroud 17" – 7175										■									
Square deco shroud 20" – 7205											■								

Options	FBN454 Series	FBW632 Series	FBW654 Series	IBN454 Series	IBW632 Series	IBW654 Series	WFE Series
Fusing 120/277V – F1	■	■	■	■	■	■	■
6' Black cord only – 6C	■	■	■	■	■	■	
6' Black cord/15A plug – 6F	■	■	■	■	■	■	
6' Black cord/20A plug – 6T	■	■	■	■	■	■	
3' black cord only – 3C	■	■	■				
3' black cord/15A plug – 3F	■	■	■				
Job pack (bulk qty.) –JP	■	■	■	■	■	■	
Pre-lamped 35K – 835	■	■	■	■	■	■	■
Pre-lamped 41K – 841	■	■	■	■	■	■	■
Pre-lamped 35K – 735	■	■	■	■	■	■	
Pre-lamped 41K – 741	■	■	■	■	■	■	
One lamp emergency pack (STD-lumen) – E1	■	■	■	■	■	■	
One lamp emergency pack (Hi-lumen) – E2	■	■	■	■	■	■	
Fusing (must specifty voltage - F							■
Miro4 Specular Reflector - MR							■
Polycarbonate Lens - PL							■
Lens Retaining Tether - LT							■
2 Brackets for Surface Mounting - SM							■
4 Lights On, 2 Lights Off - 4/2				■			
6 Lights On, 2 Lights Off - 6/2					■	■	
6 Lights On, 4 Lights Off - 6/4					■	■	

Accessories	FBN454 Series	FBW632 Series	FBW654 Series	IBN454 Series	IBW632 Series	IBW654 Series	WFE Series
Quick hang w/chain – FLC	■	■	■	■	■	■	
Lens for narrow body – FBNLENS	■			■			
Lens for wide body – FBWLENS		■	■		■	■	
Wireguard narrow body – FBNGUARD	■			■			
Wireguard wide body – FBWGUARD		■	■		■	■	
Gym prism narrow – FBNGYM	■			■			
Gym prism wide – FBWGYM		■	■		■	■	
Gym clear narrow – FBNGYMC	■			■			
Gym clear wide – FBWGYMC		■	■		■	■	
(2) 5' Cable Set - GRIP5TOGGLE							■
(2) 10" Cable Set - GRIP10TOGGLE							■
2 Ceiling Mount Brackets - WBSM							■

Options	ILXMG	ILX-E	ILXCB	ILXD	ILXGHB	ILXHHB	ILXLB	ILXSB	ILXVA	PFAHB	PFCB	PFCB-E	PFGHB	PFHB	PFLB	PFMG	PFVA	WL	LB3
Additional Uplight Component – AUL			■								■								
[1] Bi-Level Switching – BL		■		■		■		■		■		■		■		■		■	
Bi-Level Integral Control – BLI(X)										■				■		■			
Bi-Level Integral Control, Cold Temp. – BLI(X)CT										■				■		■			
Bulk Packed Easy Hanger Plate – BP																			■
Fixture Cord Drop – C																		■	
Hot Quartz Restrike – CSR		■		■		■		■		■		■		■		■		■	
Low Wattage Pulse Start CWA Ballast – CWA																			■
Metrolight Super HID™ Electronic Ballast – E1						■		■		■		■		■		■			
Venture Opti-E™ Electronic Ballast – E3						■		■		■		■		■		■			
Advance Dynavision Electronic Ballast – E4										■				■		■			
[3] Single Fuse (120/277v) – F1		■		■		■		■		[3]	[3]	[3]	[3]	[3]	[3]	[3]	[3]	■	
[3] Double Fuse (208/240/480v) – F2		■		■		■		■		[3]	[3]	[3]	[3]	[3]	[3]	[3]	[3]	■	
Factory Pre-Set Socket – FPS(X)						[4]													
[5] Pendant Power Hook, 600v, 5-Wire with HCP – H4-HCP-L2320P		■		■		[2]		■		■		■		■		■		■	
[5] Pendant Power Hook, 600v, 3-Wire with HCP – H4-HCP-L920P		■		■		[2]		■		■		■		■		■		■	
[5] Thru-Wire Power Hook, 600v, 5-Wire with LCP – H5-LCP-L2320P		■		■		[2]		■		■		■		■		■		■	
[5] Thru-Wire Power Hook, 600v, 3-Wire with LCP – H5-LCP-L920P		■		■		[2]		■		■		■		■		■		■	
Hazardous Location Listing – HAZ						■			■										
[5] Hook, Cord and Plug, 3-Wire – HCP-(X)C-L(Y)20P		■		■		[2]		■		■		■		■		■		■	
[5] Hook, Cord and Plug, 5-Wire – HCP-(X)C-L2320P		■		■		[2]		■		■		■		■		■		■	
High-Pressure Hosedown – HPHD			■				■	■	■										
Less Ballast – LB		■				■		■		■				■		■	■		
[5] Loop, Cord and Plug, 3-Wire – LCP-(X)C-L(Y)20P		■		■		■		■		■		■		■		■		■	
[5] Loop, Cord and Plug, 5-Wire – LCP-(X)C-L2320P		■		■		■		■		■		■		■		■		■	
[1] Hot/Cold Quartz Restrike – LQ		■		■		■		■		■		■		■		■		■	
[1] Separately Wired (120v) Quartz Restrike – LQ1		■		■		■		■		■		■		■		■		■	
LQ and LQ1 Combined in Same Fixture – LQ2				■		■		■		■				■		■		■	
Electronic Ballast Options – E	■		■		■	■		■		■				■			■		
Universal Power Hook, WL Listed – UPH-LCMP-WL	■		■		■	■		■		■	■			■			■		
Thru-Wire Outlet Box, 3-Wire, WL Listed – TWB-EDP-WL	■		■		■	■		■		■	■			■			■		
Thru-Wire Outlet Box, 5-Wire – TWB-ED5P	■		■		■	■		■		■	■	■		■			■		
Thru-Wire Outlet Box, 5-Wire, WL Listed – TWB-ED5P-WL	■		■		■	■		■		■	■			■			■	■	

[1] Requires 5-Wire versions of some other specified options or accessories
[2] QL Unit voltage must be specified
[3] Option designations for Performer ballast fusing are:
PF-F1=Single 120/277v panel mount fuse
PF-F2=Double 208/240/480v panel mount fuse
[4] Not available on QL unit
[5] Wet location listing is not available with this option

Options	ILXMG	ILX-E	ILXCB	ILXD	ILXGHB	ILXHHB	ILXLB	ILXSB	ILXVA	PFAHB	PFCB	PFCB-E	PFGHB	PFHB	PFLB	PFMG	PFVA	WL	LB3
Lens Retainer Cable – LRC													■			■			
Nut and Hub Mount – NH		■		■		■		■		S	S	S	S	S	S	S	S		
Optic Retainer Cable – ORC					S			S		S			■						
Encapsulated Polyblock Ballast – PB	S	S	S	S	S	S	S	S	S	■				■		■			
Pendant Mount – PM	S	S	S	S	S	S	S	S	S	S	S	■		■		■		■	■
Quad Voltage Ballast – QV		■		■		■		■		■		■		■		■		■	
[5, 6] Remote Mount – RM										■				■		■			
Sanitation Listed – SL						■		■		■				■				■	
Teflon® Over Glass Lens – TG																		[7]	
[1] Tri-Level Switching Ballast – TL						■		■											
Thru-Wire Ballast – TW		■		■		■		■											■
[5, 10] Thru-Wire Box, 3-Wire w/Primary Electrical Disconnect – TWB-EDP		■				■		■		■		■		■		■			
[5] Universal Power Hook, 3-Wire – UPH-LCMP						■		■		■		■		■		■			
Wet Location Optics – WL	S	S	S	S	S	S	S	S	S	■		■		■		■			■
50 Hz Ballast Operation – 50HZ		■		■		■		■		■		■		■		■		■	
[11] 65°C (149°F) High Ambient Ballast – 65						■			■				[11]	■		[11]	■		
[8] Cord and Plug, 5-Wire – (X)C-L2320P																		■	
24/7 Lamp Cycling Switch – CYC		■										■							
Counter Weight Accessory – BLICW										■				■			■		
Low Profile Mount – LP										■				■			■	■	
Optic Retainer Cable – ORC																■		S	
Finish availability																			
Black – BLK																		■	
Dark Bronze – DB																		■	
Gray – GR																		■	
[9] Custom Color – RAL(*)																		■	
Satin Aluminum – SA																		■	
Textured Black – TBK																		■	
Textured Green – TGN																		■	
White – WHT	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	■	S
White Epoxy Coated – WHT-EPXY-CTD		■		■		■		■		■		■		■		■	■	■	■

S = Standard

[1] Requires 5-Wire versions of some other specified options or accessories
[2] QL Unit voltage must be specified
[3] Option designations for Performer ballast fusing are:
PF-F1=Single 120/277v panel mount fuse
PF-F2=Double 208/240/480v panel mount fuse
[4] Not available on QL unit
[5] Wet location listing is not available with this option
[6] Sanitation listing is not available with this option
[7] TG73 option (Teflon® over prismatic glass lens) is also available
[8] Available with Low Profile (LP) option only.
(X)C-L(Y)20P (3-Wire cord and plug) also available
(X)C (Prewired cord only option) is also available, less plug for direct wiring
[9] RAL custom color. Consult factory to specify RAL custom color choice (*)
[10] TWB-ED5P (5-Wire) is also available, required when specifying BL, T1, LQ1 or LQ2
[11] 65 option is available for PFGHB and PFMG open units only

Accessories	ILXMG	ILX-E	ILXCB	ILXD	ILXGHB	ILXHHB	ILXLB	ILXSB	ILXVA	PFAHB	PFCB	PFCB-E	PFGHB	PFHB	PFLB	PFMG	PFVA	WL	LB3
[1] Ballast Retainer Chain – BRC(X)		■		■		■		■		■		■		■		■			
Single Fuse Kit (120/277v) – F1-Kit		■		■		■		■											■
Single Fuse Kit (120/277v) WL WarehouseLyter – F1-Kit-WL																		■	
Double Fuse Kit (208/240/480v) – F2-Kit		■		■		■		■											■
Double Fuse Kit (208/240/480v) WL WarehouseLyter – F2-Kit-WL																		■	
[1] Full Wireguard – FWG								■		■									
[2] Pendant Mounted Power Hook – H4		■		■		■		■		■		■		■		■		■	
[2] Pendant Mounted Power Hook, 5-Wire – H4-5W		■		■		■		■		■		■		■		■		■	
[2] Power Hook w/Thru-Wire Provision – H5		■		■		■		■		■		■		■		■		■	
[2] Power Hook, 5-Wire, w/Thru-Wire Provision – H5-5W		■		■		■		■		■		■		■		■		■	
[2] Hook, Cord and Plug, 3-Wire – HCP-(X)C-L(Y)20P		■		■		■		■		■		■		■		■		■	
[2] Hook, Cord and Plug, 5-Wire – HCP-(X)C-L2320P		■		■		■		■		■		■		■		■		■	
[2] Hook Male – HM		■		■		■		■		■		■		■		■		■	
[1, 2] Twin Mounting Adapter – ILX-TMA				■		■		■											
Joint Aligner – JA75		■		■		■		■		■		■		■		■		■	
[2] Loop, Cord and Plug, 3-Wire – LCP-(X)C-L(Y)20P		■		■		■		■		■		■		■		■		■	
[2] Loop, Cord and Plug, 5-Wire – LCP-(X)C-L2320P		■		■		■		■		■		■		■		■		■	
[2] Loop Male – LM		■		■		■		■		■		■		■		■		■	
Lens Retainer Cable – LRC													■			■			
Optic Retainer Cable – ORC										[4] S	S	■	[3]	■	S	[3]			
Single Fuse Kit for Performer Series (120/277v) – PF-F1-Kit										■		■		■		■			
Double Fuse Kit for Performer Series (208/240/480v) – PF-F2-Kit										■		■		■		■			
[2] Safety Cable for WL Series – SC3/(XX)-WL																		■	
Optic Safety Cable for ILX Series – SC4-ILX		■		■		■			■										
Swivel Hanger – SH75		■		■		■		■		■		■		■		■		■	
Twin Hanger Adapter – TWA										■	■	■		■	■	[5]			
[2] Thru-Wire Outlet Box – TWB						■		■		■				■		■			
Wireguard – WG		■		■															

S = Standard

[1] Unit is not Sanitation listed with this accessory
[2] Unit is not Wet Location listed with this accessory
[3] Available Accessory for the PF Open Glass High Bay unit only. For the PFGHB Enclosed unit, ORC must be specified as a factory installed option
[4] ORC is a standard feature for the PF Acrylic High Bay Enclosed unit only
[5] Consult factory if specifying for 22" or 25" optics
[6] A bottom only wire guard WG-A(XX)O-BOTTOM, where XX equals diameter of optics in inches (insert 22 or 25), may be specified as an alternative to the full wire guard (CAGE).

Accessories	ILXMG	ILX-E	ILXCB	ILXD	ILXGHB	ILXHHB	ILXLB	ILXSB	ILXVA	PFAHB	PFCB	PFCB-E	PFGHB	PFHB	PFLB	PFMG	PFVA	WL	LB3
[1] Wire Guard for ILXHHB 400w and below and QL – WG-4						■													
[1] Wire Guard for ILXHHB 1000w 26" Unit – WG-10						■													
[1] Bottom Wire Guard for PFHB or SHB – WG-(XX)-PF														■					
[1] Bottom Wire Guard for ILXGHB – WG-16E-ILXG																			
[1] Bottom Wire Guard for PFGHB Enclosed – WG-16E-PFG																■			
[1] Bottom Wire Guard for PFGHB Open – WG-16O-PFG																■			
[1] Bottom Wire Guard for ILXGHB 22" – WG-22E-ILXG																			
[1] Bottom Wire Guard for PFGHB 22" Enclosed – WG-22E-PFG																■			
[1] Bottom Wire Guard for PFGHB 22" Open – WG-22O-PFG																■			
[1] Wire Guard for ILXCB and PFCB Series – WG-PF/ILX-CB																			
[1] Wire Guard for PFLB, ILXLB 22", LB3 – WG-PF/ILX-LB22/LB3																			
[1] Wire Guard for PFLB and ILXLB 28" – WG-PF/ILX-LB28																			
[1] 22" Full Wire Guard for PF Series – WG-PF-CAGE-22										[6]									
[1] 25" Full Wire Guard for PF Series – WG-PF-CAGE-25										[6]									

Options	Revolution R1	Revolution R2	Revolution R3	Revolution R4
4' Coil Cord and Aircraft Cable – C4		■		■
6' Coil Cord and Aircraft Cable – C6		■		■
10' Coil Cord and Aircraft Cable – C10		■		■
4' Straight Cord and Aircraft Cable – S4		■		■
6' Straight Cord and Aircraft Cable – S6		■		■
10' Straight Cord and Aircraft Cable – S10		■		■
Threaded Hole for Pendant Mount, 3/4" NPT standard for Sizes 3 and 4, 1/2" NPT standard for Sizes 1, 2 and LED – SD		■		■
Decorative Hook with 3' Power Feed Cord for Sizes 1, 2 and LED – 3DC		■		
Decorative Hook with 3' Power Feed Cord and Plug for Sizes 1, 2 and LED – 3DCP		■		
Cast Hook with 3' Cord for Sizes 3 and 4 – 3C				■
Cast Hook with 3' Cord and Plug for Sizes 3 and 4 – 3CP				■
[1] Laminated Frosted Glass Lens with Decorative Blades – G		■		■
[2] Clear Flat Acrylic Lens with Silicone Lens Retainer – C				
[2] Clear Flat Acrylic Lens with Stainless Steel Lens Retainer – C		■		■
[2] Frosted Flat Acrylic Lens with Silicone Lens Retainer – W				
[2] Conical Prismatic Acrylic Lens with Stainless Steel Lens Retainer – P		■		■
Prismatic Silicone Stretch-To-Fit Lens – S				■
Color options				
Flat Black – B		■		■
Flat White – W		■		■
Aluminum – A		■		■
Additional Designer Colors Available, Consult Factory		■		■

[1] Not available in Size 1 Compact Fluorescent
[2] Not available with Aluminum Reflector

Options	ELA	ELCB	ELG	ELGR	ELHB	ELLB	ELMG	ELMGR	ELVA
Decorative Baffle, Single – BS	S	S	S	S	S	S	S	S	S
Decorative Baffle, Dual – BD									
Decorative Baffle, Triple – BT									
Suspended Cable Mount with Coil Cord – CC(X)									
Suspended Cable Mount with Straight Cord – CS(X)									
Remote Ballast, Suspended Cable Mount with Coil Cord – RC(X)									
Remote Ballast, Suspended Cable Mount with Straight Cord – RS(X)									
Remote Ballast Mount with Rigid Pendant – RP(X)									
Decorative Suspended Cable Mount Lower Lenses, Clear Glass Lens – L1C									
Decorative Suspended Cable Mount Lower Lenses, Diffuse Glass Lens – L1D									
Decorative Suspended Cable Mount Lower Lenses, Silkscreened Clear Glass Lens – L1S									
Decorative Suspended Cable Mount Lower Lenses, Clear Glass Lens w/Center Opening – L2C									
Decorative Suspended Cable Mount Lower Lenses, Diffuse Glass Lens w/Center Opening – L2D									
Decorative Suspended Cable Mount Lower Lenses, Silkscreened Clear Glass Lens w/Center Opening – L2S									
Hot/Cold Quartz Restrike – LQ									
Separately Wired (120v) Hot/Cold Quartz Restrike 5-Wire – LQ1									
Single Fuse, 277v – F1									
Double Fusing, 208/240v – F2									
Hook, Cord and Plug, 3-Wire – HCP-(X)C-L(Y)20P									
Hook, Cord and Plug, 5-Wire – HCP-(X)C-L2320P									
Pendant Power Hook, 600v, 3-Wire with HCP – H4-HCP-L(Y)20P									
Pendant Power Hook, 600v, 5-Wire with HCP – H4-HCP-L(Y)20P									
Loop, Cord and Plug, 3-Wire – LCP-(X)C-L(Y)20P									
Loop, Cord and Plug, 5-Wire – LCP-(X)C-L2320P									
Thru-Wire Power Hook, 600v, 3-Wire with LCP – H5-LCP-L(Y)20P									
Thru-Wire Power Hook, 600v, 5-Wire with LCP – H5-LCP-L2320P									
[1] 3-Foot Ballast Safety Cable – SC3									
[1] 6-Foot Ballast Safety Cable – SC6									
[1] 10-Foot Ballast Safety Cable – SC10									

[1] Not available with suspended cable option or remote ballast option.

Accessories	ELA	ELCB	ELG	ELGR	ELHB	ELLB	ELMG	ELMGR	ELVA
Single Fuse Kit (120/277v) – F1-Kit									
Double Fuse Kit (208/240/480v) – F2-Kit									
Hook, Cord and Plug, 3-Wire – HCP-(X)C-L(Y)20P									
Hook, Cord and Plug, 5-Wire – HCP-(X)C-L2320P									
Loop, Cord and Plug, 3-Wire – LCP-(X)C-L(Y)20P									
Loop, Cord and Plug, 5-Wire – LCP-(X)C-L2320P									
Hook Male – HM									
Joint Aligner – JA75									
Loop Male – LM									
Swivel Hanger – SH75									

Roadway, area, parking & pedestrian

Section 11

INTERNATIONAL DESIGN ENTER

A blend of precision performance and indelible quality, where rugged reputation meets sophisticated architectural forms.

Contents

Philips Wide-Lite > 11.2
Quality Lighting > 11.96

Philips Wide-Lite

Since 1955, Philips Wide-Lite has delivered on the promise of supplying the highest quality lighting solutions available with the highest level of customer service. Our design and manufacturing philosophy is based on superior optical performance, the use of quality materials throughout the luminaire, excellent mechanical design, best of class thermal management and industry leading control options. This award winning commitment to engineering excellence allows us to provide low lifecycle cost, green friendly and innovative product solutions to both the owners and specification community. We are proud to offer you the following broad range of products utilizing the most complete package of lighting sources combined with the latest in technology available today. We also promise to continue to design and develop both relevant and innovative architectural luminaires for tomorrow as technologies continue to advance.

Contents

Architectural site & area > 11.4
Solar > 11.24
Architectural wall & surface mount > 11.29
Vandal resistant > 11.48
Parking & under canopy > 11.54
Architectural floodlighting > 11.62
Industrial floodlighting > 11.75
Sports lighting > 11.84
Highmast > 11.88
Tunnel lighting > 11.95

ASA LED series

Architectural outdoor - site & area

- AeroScape LED Area and Site Series offers two housing sizes, two arm design options (upswept and straight) and multiple lumen packages
- Low-profile, architectural styled design compliments any architectural form
- True 250 and 400 W HID equivalent solutions
- Field rotatable LED Pod optical assemblies for on-site design adjustment
- Philips Dynadimmer control options available for additional energy savings

Specifications

Rated system life (LED life per L70): Driver and LED life: 80,000 hrs @ 25°-40°C (77°-104°F)

Housing / construction: Die-cast aluminum housing with corrosion resistant hardware. Optic chamber and separate driver housing constructed to IP65. Die-cast aluminum heatsink allows for long life of LEDs up to 40°C ambient.

Thermal management: IP65 rated thermal Pod frame management system creates a vortex of airflow for pass-through convective cooling and heat extraction.

LED and board array: Small housing: 64 and 80 Rebel ES LEDs. Large housing: 128 and 160 Rebel ES LEDs. Color temperature: Neutral White 4125 K +/- 175K. Metal core printed circuit board. RoHS compliant. See website for LED specs and details.

Driver: High efficiency multi-volt driver (50 or 60 Hz), maintains constant current flow to LEDs to accommodate LED variations. High power factor (>90% standard). Constant current: 320, 530 or 700 mA. Voltage: 120-480. Temperature range: -30°C (-22°F) to 40°C (104°F). Open / short circuit protection. RoHS compliant. See website for LED specs and details.

LED Optical system: Field rotatable LED Pod optical assemblies. Type II, III, IV or V distribution. Meets IES Full Cutoff criteria. Fully gasketed Dust-Tite construction. Employs Philips LEDGINE technology & Rebel ES LEDs.

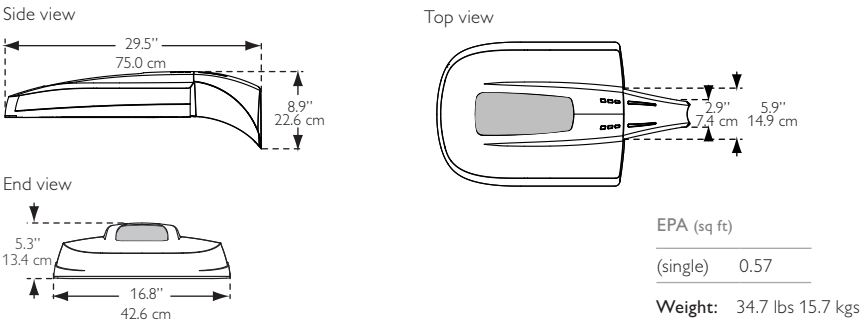
Mounting: Die-cast aluminium straight or upswept arm mount for mounting to 4" to 5" O.D. round poles. Square pole adaptors included.

Finish: TSA = textured satin aluminium, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TPG = textured Philips gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations. DLC Certified.

Warranty: Standard 5 Year Limited Warranty.

ASA-64G1 and 80G1 dimensions (with upswept arm)

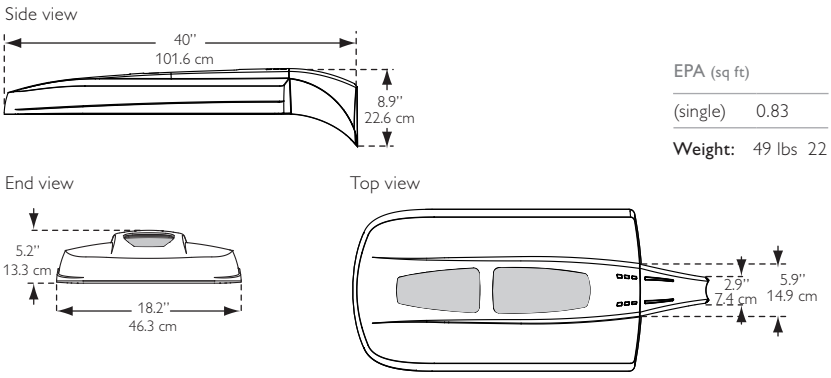


EPA (sq ft)

(single)	0.57

Weight: 34.7 lbs 15.7 kgs

ASA-128G1 and 160G1 dimensions (with upswept arm)



EPA (sq ft)

(single)	0.83

Weight: 49 lbs 22 kgs

Ordering guide

ASA - [ ] - [ ] - NW - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series	# of LEDs	Driver	LED Color	Distribution	Voltage	Mounting	Options[4]		Finish
ASA	Small Unit		NW	2L0/90/270	120	SAM	F1	DCP[1]	TSA
	64G1 →	700		3L0/90/270	208	UAM	F2	DD	TDB
	80G1 →	350, 530		4L0/90/270	240		F3	DL	TBK
	Large Unit			5L	277		PCB	HSS[2]	TWHT
	128G1 →	700			347		TLR	HSSX[3]	TGR
	160G1 →	350, 530			480		TLRPC		TPG
					UNV (120-277V)		DS25/50/75[1]		TGN
							DM25/50/75[1]		RAL(*)
							DE25/50/75[1]		

Accessories	
F1-KIT	DYN-KIT1
F2-KIT	DYN-KIT2
F3-KIT	WM-ASA
2LHSS-64/80	SG-ASA1
2LHSS-128/160	SG-ASA2
3LHSS-64/80	RPTA-(XXX)-DT13
3LHSS-128/160	RPA339-ASA
4LHSS-64/80	SPTA-(XXX)-DT13
4LHSS-128/160	
4LHSSX-64/80	
4LHSSX-128/160	

Notes:
1. Dynadimmer options and accessories are only available in 120-277 V.
2. 'HSS' house side shield available for Type-II, Type-III and Type-IV only.
3. 'HSSX' extreme LEED house side shield available for Type-IV only.
4. ASA is compatible with a wide range of non-programmable and programmable occupancy sensors, wireless controls and asset management systems (by others). Contact factory for availability.

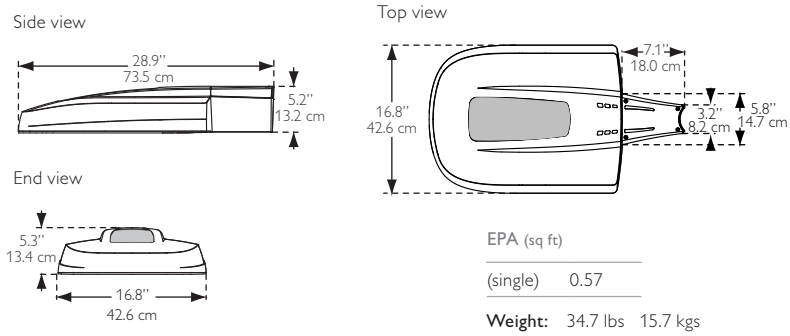
For complete specifications, see current Philips Wide-Lite spec sheets WLSP0340 and WLSP0344.

ASA LED series

Architectural outdoor - site & area

- Employs LEDGINE technology - Philips global LED-based optical system
  - Future-proof, upgradable and serviceable
  - Low glare, superior light quality and energy efficiency
- Innovative, passthrough convective cooling system ensures long life
- 80,000 hour rated system life at 40°C (LED life per L70)
- Occupancy sensor options available Q1, 2012

ASA-64G1 and 80G1 dimensions (with straight arm)



EPA (sq ft)	
(single)	0.57

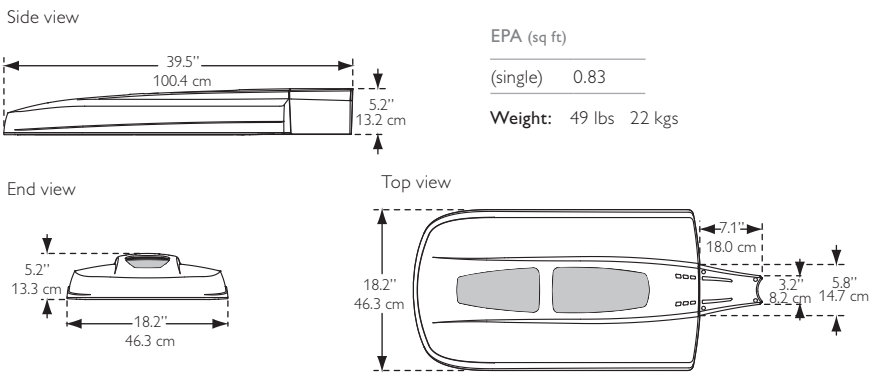
Weight: 34.7 lbs 15.7 kgs

Delivered lumen packages up to 10,500 lms. Download the latest performance and specification sheets at www.wide-lite.com.

Total system watts	
ASA-80G1 @ 350mA	90 W
ASA-80G1 @ 530 mA	126 W
ASA-64G1 @ 700 mA	136 W

Note: System wattages may vary +/- 4% due to various forward voltage tolerances and variations in driver efficiency.

ASA-128G1 and 160G1 dimensions (with straight arm)



EPA (sq ft)	
(single)	0.83

Weight: 49 lbs 22 kgs

Delivered lumen packages up to 21,500 lms. Download the latest performance and specification sheets at www.wide-lite.com.

Total system watts	
ASA-160G1 @ 350 mA	181 W
ASA-160G1 @ 530 mA	254 W
ASA-128G1 @ 700 mA	278 W

Note: System wattages may vary +/- 4% due to various forward voltage tolerances and variations in driver efficiency.

LED Color

NW = Neutral White

of LEDs

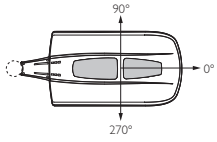
64G1 = 64 LEDs
80G1 = 80 LEDs
128G1 = 128 LEDs
160G1 = 160 LEDs

Driver

350 = 350 mA
530 = 530 mA
700 = 700 mA

Distribution

2L0 = Type II @ 0°
3L0 = Type III @ 0°
4L0 = Type IV @ 0°
5L = Type V
2L90 = Type II @ 90°
3L90 = Type III @ 90°
4L90 = Type IV @ 90°
2L270 = Type II @ 270°
3L270 = Type III @ 270°
4L270 = Type IV @ 270°



Mounting

SAM = Straight Arm Mount
UAM = Upswept Arm Mount

Options

F1 = Single Fusing 120, 277, 347 V
F2 = Double Fusing 208, 240, 480 V
F3 = Double Fusing 208, 240, 480 V Canadian Double Pull
PCB = Photocontrol Button
TLR = Twistlock Photocell Receptacle
TLRPC = Twistlock Receptacle with Photocontrol

Options[4]

DL = Diffuse Lens
DD = Dimming Driver
HSS[2] = House Side Shield
HSSX[3] = Extreme House Side Shield
DCP[1] = Dynadimmer Custom Programming
DS25/50/75[1] = Dynadimmer Safety Profile (25, 50 75%)
DM25/50/75[1] = Dynadimmer Median Profile (25, 50 75%)
DE25/50/75[1] = Dynadimmer Economy Profile (25, 50 75%)

Accessories

F1-KIT = Single Fusing Kit 120, 277, 347 V
F2-KIT = Double Fusing Kit 208, 240, 480 V
F3-KIT = Double Fusing Kit 208, 240, 480 V Canadian Double Pull
(XX)HSS-(YY) = House Side Shield (xx=specify distribution) (yy= specify # of LEDs)
4LHSSX-(yy) = Type 4L Extreme LEED House Side Shield Kit. (yy=specify # of LEDs)
RPA339-ASA = Adaptor for 3-3.9" round Poles

Accessories

DYN-KIT1 = Dynadimmer USB Cable Kit
DYN-KIT2 = Dynadimmer Handheld Programmer
WM-ASA = Wall Mount
SG-ASA1 = Stone Guard ASA-64 & 80G1
SG-ASA2 = Stone Guard ASA-128 & 160G1
RPTA-(xxx)-DT4 = Round Pole Tenon Adapter
SPTA-(xxx)-DT4 = Square Pole Tenon Adapter
(xxx=specify mounting configuration)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0340.

OP2L LED series

Architectural outdoor - site & area

- Optra-2 LED site and pedestrian scale luminaire incorporates high brightness white LEDs
- Color temperature: Neutral White 4125 K +/- 175 K
- Available in Type II, III, IV & V distributions
- Die-cast aluminum design, arm or post top mount, with IP65 rated construction
- Modular design allows for easy field replacement of boards and electrical gear

Specifications

Rated Life: 60,000 hours.

Housing / construction: Die-cast aluminum housing with corrosion resistant hardware. 24" optical housing. Optic chamber constructed to IP65. Die-cast aluminum heatsink allows for long life of LEDs up to 40°C ambient.

LED and board array: 49 Lumiled Rebel LEDs. LED only: 100 lm/W. System only: 60-63 lm/W @ 25°C. Color temperature: Neutral White 4125 K +/- 175K. Aluminum metal clad board. RoHS compliant.

Driver: High efficiency multi-volt driver (50 or 60 Hz), maintains constant current flow to LEDs to accommodate LED variations. High power factor (>90% standard). Constant current: 525 mA. Voltage: 120-277. Temperature range: -30°C (-22°F) to 40°C (106°F). Open / short circuit protection. Off-state power consumption is 0.0 watts. RoHS compliant.

LED Optical system: Type II, III, IV or V distribution. Type V standard open optic meets IES Full Cutoff criteria. Standard open units with Type II, III, or IV optics are Semi-Cutoff, but may be specified with flat glass lens option to meet Full Cutoff criteria. The optical head is equipped with an electrical disconnect. Fully gasketed Dust-Tite construction.

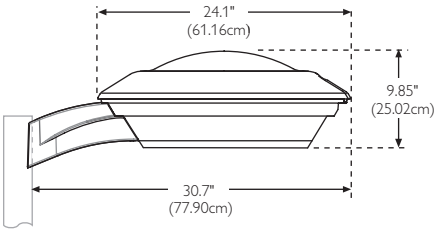
Mounting: Field installed die-cast aluminum surface arm mount for mounting to 3" to 5" O.D. round or square pole. Post top mounts to a 2-3/8" O.D. x 4" vertical tenon.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

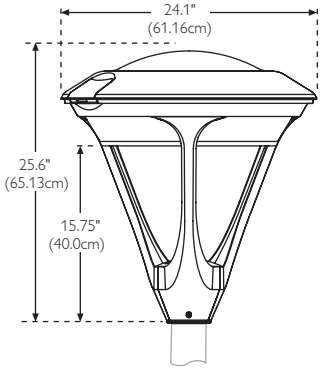
Warranty: Standard 5 Year Limited Warranty.

OP2L Arm mount & post top dimensions



EPA (sq ft)	
1 @ 90°	0.55
2 @ 90°	1.11
3 @ 90°	1.45
4 @ 90°	1.47
2 @ 180°	1.11
3 @ 120°	1.11

Weight: 51 lbs 23.13 kgs



EPA (sq ft)	
(single)	0.80

Weight: 54 lbs 24.49 kgs

OP2L Technical data

	OP2L-49-2L	OP2L-49-3L	OP2L-49-4L	OP2L-49-5L/5F
Total system watts	97 W	97 W	97 W	97 W
Initial Lumens @ 25°C Ambient	5192*	5181*	5226*	5078*
Lumens per Watt @ 25°C Ambient	54	53	54	52
Initial Lumens @ 40°C Ambient	4913*	4902*	4945*	4805*
Lumens per Watt @ 40°C Ambient	51	51	51	50

Note: Technical data subject to change. Refer to spec sheet for most current technical specs.
*@ 525 mA

Ordering guide

OP2L - 49 - ____ - ____ - ____ - ____ - ____ ____

Series	# of LEDs	Distribution	Voltage	Mounting	Options	Finish	Accessories	
OP2L	49	2L	120	SR4	F1	TSA	RPTA-190-DT14	SPTA-190-DT14
		3L	208	SR3	F2	TDB	RPTA-290-DT14	SPTA-290-DT14
		4L	240	SS	F3	TBK	RPTA-2180-DT14	SPTA-2180-DT14
		5L	277	PTTR	PCB	TWHT	RPTA-390-DT14	SPTA-390-DT14
			347	PTTR-3	CL	TGR	RPTA-3120-DT14	SPTA-490-DT14
					DL	TGN	RPTA-490-DT14	SW-OP2L
					SG	RAL(*)	F1-KIT	SK-OP2L
							F2-KIT	C2C
							F3-KIT	

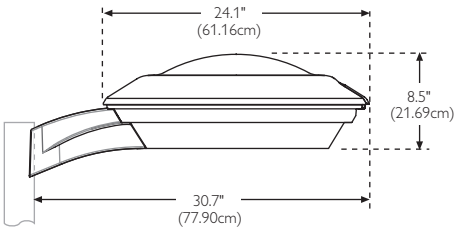
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0312.

OP2 series

Architectural outdoor - site & area

- Optra-2 architectural site and pedestrian scale luminaire series
- Available in CosmoPolis and standard HID sources
- EONS Extended On System available
- Available in symmetric and asymmetric distributions
- IP65 rated construction

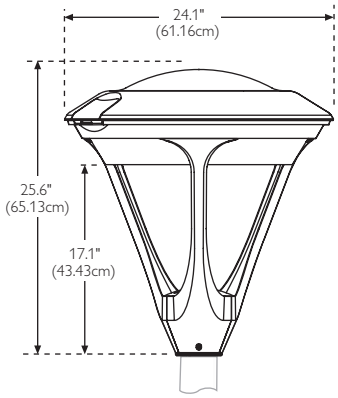
OP2 Arm mount dimensions



EPA (sq ft)	
1 @ 90°	0.49
2 @ 90°	0.98
3 @ 90°	1.27
4 @ 90°	1.37
2 @ 180°	0.98
3 @ 120°	1.15

Weight: 40 lbs 18.2 kgs

OP2 Post top mount dimensions



EPA (sq ft)	
(single)	0.74

Weight: 43 lbs 19.5 kgs

Specifications

Housing: Die-cast aluminum with corrosion resistant hardware. 24" optical housing. Constructed to IP65.

Full cutoff optics: Vertical lamp with inverse conical lens meets IES Full Cutoff criteria. Both EONS series feature flat glass lens only. Single lamp unit has an optical collimating lens to focus uncontrolled lumens back into the main beam. Faceted, segmented, high-purity anodized aluminum reflectors. Optical head equipped with an electrical disconnect. Fully gasketed. Symmetric or Asymmetric distributions. Dark Sky compliant.

Ballast: The digitally microprocessor-controlled ignitor in the CosmoPolis ballast gear offers superior lumen maintenance. CosmoPolis ballasts have a 60,000 hour life with end of life, overheating, and open and short circuit lamp protections. 70-200 W PSMH units are available with electronic or magnetic ballasts. 70-150 W HPS units available with magnetic ballasts only.

EONS Extended ON system: OP2 EONS features a dual-lamp optic and ballast system designed to ignite the lamp with the highest remaining life. Installations sustain higher light levels for twice as long with twice the time between relamping, resulting in significant cost savings.

Lamp access: Spring loaded latch at side of upper optical housing allows tool-less Lamp access.

Mounting: Surface arm mount of die-cast aluminum for mounting to 3" to 5" O.D. round or square pole. Post top version mounts to a 2-3/8" O.D. x 4" vertical tenon.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

Series/source-wattage		Distribution		Voltage		Mounting	Options		Finish	Accessories	
CosmoPolis	PSMH	OP2	OP2-E	CosmoPolis	HID (C)	SR4	CosmoPolis	HID	TSA	F1-KIT	SW-OP2
OP2P-60	OP2P-70	S	ES	208E	120-C	SR3	CSR	CSR	TDB	F2-KIT	SK-OP2
OP2P-90	OP2P-100	A	EA	240E	208-C	SS	LQ1	LQ	TBK	F3-KIT	SPTA-190-DT14
OP2P-140	OP2P-150			277E	240-C	PTTR	F1	LQ1	TWHT	RPTA-190-DT14	SPTA-290-DT14
	OP2P-175				277-C	PTTR-3	F2	F1	TGR	RPTA-290-DT14	SPTA-2180-DT14
	OP2P-200				347-C		F3	F2	TGN	RPTA-2180-DT14	SPTA-390-DT14
	HPS				QV-C		PCB	PCB	RAL(*)	RPTA-390-DT14	SPTA-490-DT14
	OP2S-70				HID (E)			BL		RPTA-3120-DT14	
	OP2S-100				120-277-E			AD		RPTA-490-DT14	
	OP2S-150							50HZ			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets:
WLSP0133 (OP2 HID), WLSP0307 (OP2 CosmoPolis HID), WLSP0116 (OP2-EONS), WLSP0319 (OP2-EONS, CosmoPolis HID)

OP series

Architectural outdoor - site & area

- Optra architectural site and area luminaire series
- Available in MasterColor Elite and standard HID sources
- EONS Extended On System available
- Available in symmetric and asymmetric distributions
- IP65 rated construction

Specifications

Housing: Die-cast aluminum (separate ballast housing). Corrosion resistant hardware. Constructed to IP65.

Full cutoff optics: Vertical lamp with inverse conical lens meets IES Full Cutoff criteria. Both EONS series feature flat glass lens only. Single lamp unit has an optical collimating lens to focus uncontrolled lumens back into the main beam. Faceted, segmented, high-purity anodized aluminum reflectors. Equipped with electrical disconnect. Fully gasketed. Symmetric or Asymmetric distributions. Dark Sky compliant.

Ballast: MasterColor Elite electronic ballasts have a 60,000 hour life with built-in end of life, overheating, and open/short circuit lamp protections. Bi-level or analog dimming ballasts available. 250-1000 W standard HID units are available with magnetic (CWA) ballasts only. Bi-Level dimming option available.

EONS Extended ON system: OP EONS features a dual-lamp optic and ballast system designed to ignite the lamp with the highest remaining life. Installations sustain higher light levels for twice as long with twice the time between relamping, for significant cost savings.

Lamp access: Hinges open to provide tool-less access.

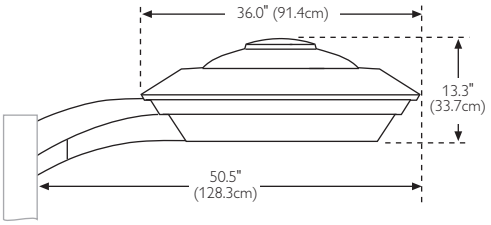
Mounting: Surface arm mount of die-cast aluminum for mounting to 4" to 5" O.D. round or 4" to 6" square pole. Post top mounts to a 2-3/8" O.D. x 4" vertical tenon.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

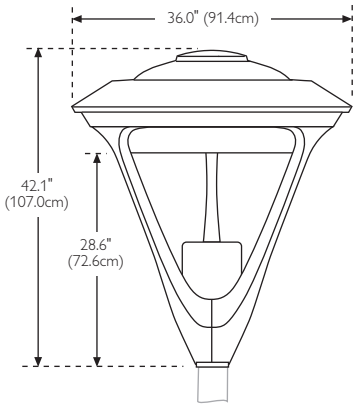
OP Arm mount dimensions



EPA (sq ft)	
1 @ 90°	1.38
2 @ 90°	2.76
3 @ 90°	3.79
4 @ 90°	3.95
2 @ 180°	2.76
3 @ 120°	3.39

Weight: 98 lbs 44.5 kgs

OP Post top mount dimensions



EPA (sq ft)	
(single)	2.07

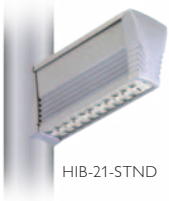
Weight: 111 lbs 50.4 kgs

Ordering guide

Series/source-wattage		Distribution		Voltage		Mounting	Options		Finish	Accessories	
MC Elite	MH	OP	OP-E	MC Elite	HID	SR	MC Elite	HID	TSA	F1-KIT	OP-SR3-(X)
OPP-210	OPM-1000	S	ES	208E	120	SS	CSR	BL	TDB	F2-KIT	PTTR-5
OPP-310		A	EA	208EBL	208	PTTR	LQ1	CSR	TBK	F3-KIT	PTTR-6
PSMH	HPS		EA0	208EAD	240		F1	LQ	TWHT	SW-OP	PTTS-4
OPP-250	OPS-250		EA90	240E	277		F2	LQ1	TGR	SK-OP120	PTTS-5
OPP-320	OPS-400		EA270	240EBL	347		TLR	F1	TGN	SK-OP180	PTTS-6
OPP-350	OPS-1000			240EAD	480		TLR-PC	F2	RAL(*)	RPTA-190-DT13	SPTA-190-DT13
OPP-400				277E			PCB	F3		RPTA-290-DT13	SPTA-290-DT13
OPP-450				277EBL				TLR		RPTA-2180-DT13	SPTA-2180-DT13
OPP-750				277EAD				TLR-PC		RPTA-390-DT13	SPTA-390-DT13
OPP-875								PCB		RPTA-3120-DT13	SPTA-490-DT13
OPP-1000								50HZ		RPTA-490-DT13	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets:
WLSP0132 (OP HID), WLSP0306 (OP Master Color Elite HID), WLSP0115 (OP-EONS HID), WLSP0318 (OP-EONS Master Color Elite HID)

HIB-21-EAL19
Shown with EAL19



HIB-21-STND

HIBRED HID/LED series

Architectural outdoor - site & area

- HIBRED HID/LED low-level ambient lighting system
- Compatible with site and area luminaire series: 'EAL19', 'AL3', 'AL3R'
- Available as a standalone unit ('STND')
- Retrofits existing installations with 'RETRO' option and 'HOPS' accessory

Specifications

Energy saving benefits: The HIBRED System provides uniform low-level illumination during curfew hours, consuming 31 total watts compared to 1080 watts for a 1000 W PSMH unit, up to 97% savings.

Construction: Heavy duty aluminum heatsink, 6063-T5, optimally engineered. Constructed to IP54.

Driver: Power factor (>.90). Constant output voltage: 24V. Input voltage: 120-277. Temperature range: -30°C (-22°F) to 40°C (104°F). RoHS compliant.

Rated life: the HIBRED System provides a rated LED life of 60,000 hours @ 40° C. HID relamping intervals are extended based on HID/LED usage.

LED and board array: Cree XPG (min. 122 lumens @ 350mA). Available in Neutral or Cool White. RoHS compliant. CRI (color rendering index): 72 +/- 3. Color temperature: Neutral White: 3985K +/- 275K; Cool White: 6000 K +/- 510 K.

Distribution: The HIBRED arm is specified with a distribution corresponding to the main HID luminaire's reflector orientation. Type-V distribution provides non-directional illumination below the luminaire. For perimeter installations, variations of a Type-III distribution are specified.

Mounting: The HIBRED System (HID fixture with LED arm) and Standalone Unit are designed as pole mounted units. HIBRED is shipped with adapters to fit 3" - 5" O.D. round poles or square poles. Tenon adapter mounting may also be specified.

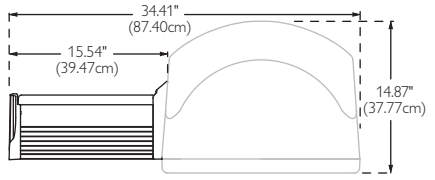
Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

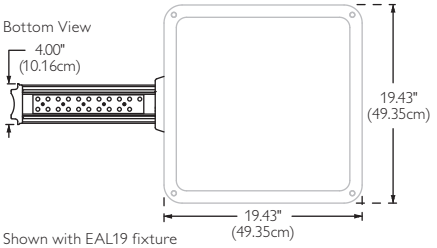
Warranty: Standard 5 Year Limited Warranty.

HIB-21-EAL19 Dimensions

Side View



Bottom View



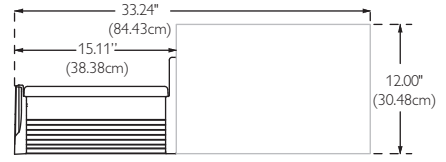
Shown with EAL19 fixture

EPA (sq ft)	19" housing flat glass	19" housing sag glass
1 @ 90°	2.00	2.85
2 @ 90°	3.90	5.51
3 @ 90°	5.90	7.37
4 @ 90°	6.28	6.31
2 @ 180°	4.00	5.07
3 @ 120°	6.00	7.41

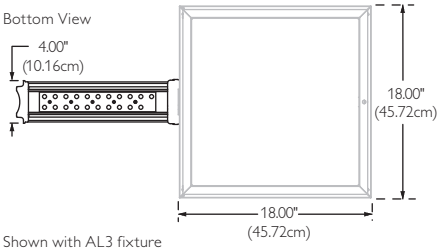
Weight: 94.8 lbs 43 kgs

HIB-21-AL3 Dimensions

Side View



Bottom View



Shown with AL3 fixture

EPA (sq ft)	10" deep flat glass	10" deep sag glass	12" deep flat glass	12" deep sag glass
1 @ 90°	2.10	2.30	2.40	2.50
2 @ 90°	4.20	4.60	4.80	5.00
3 @ 90°	5.20	5.80	5.80	6.40
4 @ 90°	5.40	6.00	6.00	6.70
2 @ 180°	4.20	4.60	4.80	5.00
3 @ 120°	5.20	5.80	5.80	6.40

Weight: 91.8 lbs 41.63 kgs

Ordering guide

HIB - 21 - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] [ ]

Series	# of LEDs	LED Color	Fixture	Distribution	Voltage	Mounting	Options	Finish	Accessories
HIB	21	NW	EAL19	3L0	120	SS	RETRO	TSA	HOPS
		CW	AL3	3L90	208	SPTA-(XXX)-HIB		TDB	HSS0-HIB
			AL3R	3L270	240	RPTA-(XXX)-HIB		TBK	HSS90-HIB
			STND-(XX)	5L	277			TWHT	HSS270-HIB
								TGR	C2C
								TGN	
								RAL(*)	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0278.

HIBRED HID/LED series

Architectural outdoor - site & area

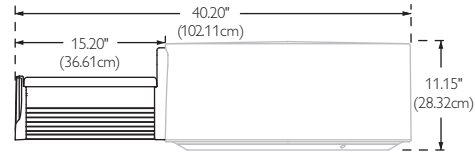
- HIBRED HID/LED low-level ambient lighting system
- Compatible with site and area luminaire series: 'EAL19', 'AL3', 'AL3R'
- Available as a standalone unit ('STND')
- Retrofits existing installations with 'RETRO' option and 'HOPS' accessory

HIB-21-AL3R
Shown with AL3R

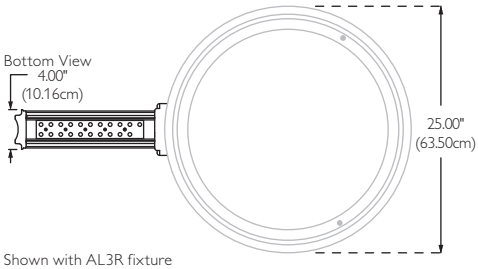
HIB-21-AL3
Shown with AL3

HIB-21-AL3R Dimensions

Side View



Bottom View



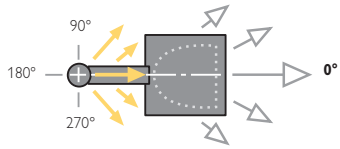
Shown with AL3R fixture

EPA (sq ft)	flat glass	sag glass
1	1.50	1.60
2	2.90	3.20
3	3.40	3.90
4	3.9	4.30

Weight: 69.8 lbs 31.6 kgs

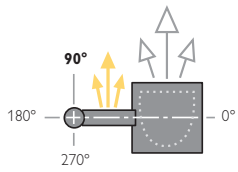
Technical Data	Type-III ('3L0')	Type-V ('5L')
Total System Watts	27W	27W
Initial Lumens @ 25°C Ambient	1390	1815
Lumens per watt @ 25°C Ambient	51	67

Type III Distribution diagrams

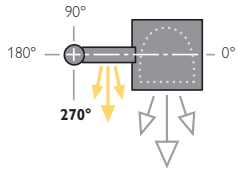


3L0 distribution

Typical for single unit perimeter installation.



3L90 distribution

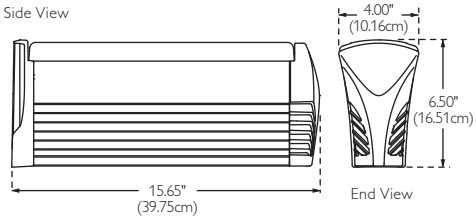


3L270 distribution

Twin perimeter units typically require one 3L90 and one 3L270 optic.

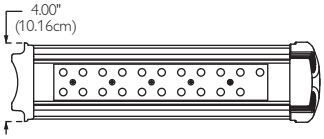
HIB-21-STND Dimensions

Side View



End View

Bottom View



HIBRED Standalone unit

EPA (sq ft)	HIBRED Standalone Unit
1 @ 90°	0.65
2 @ 90°	1.30
3 @ 90°	1.38
4 @ 90°	1.40
2 @ 180°	1.30

Weight: 9.8 lbs 4.4 kgs

LED Color

NW	Neutral White (3985K +/- 275K)
CW	Cool White (6000K +/- 510K)

Distribution

3L0	Type-III @ 0°
3L90	Type-III @ 90°
3L270	Type-III @ 270°
5L	Type-V

Mounting

SS	Surface Arm Mount (standard)
SPTA-(XXX)-HIB	Square Pole Tenon Adapter XXX = mounting configuration
RPTA-(XXX)-HIB	Round Pole Tenon Adapter XXX = mounting configuration

Options

RETRO	Retrofit Switching Kit **Requires 'HOPS' control box accessory.**

Accessories

HOPS	HIBRED Operating System Control Box **Required with 'RETRO' option.**
HSS0-HIB	House Side Shield For Type-III @ 0°
HSS90-HIB	House Side Shield For Type-III @ 90°
HSS270-HIB	House Side Shield For Type-III @ 270°
C2C	Cradle to Cradle Product Recycling Program

AR02 series

Architectural outdoor - site & area

- Renegade series is available in small (AR02) and large (AR03) housing sizes
- Aerodynamic design reduces wind resistance
- Housing constructed of 360 low-copper die-cast aluminum alloy
- Full cutoff, field rotatable optics for "Dark-Sky" compliance
- Constructed to IP65

Specifications

Housing: Die-cast, low-copper, 360 aluminum alloy. Fixture and arm are one-piece construction. An external lever-action latch allows for tool-less entry. The fixture's unique, low profile and contoured shape reduces EPA. Installation is easily accomplished with mounting bracket.

Lens/door frame: Die-cast, low copper, aluminum alloy 360. Clear, tempered glass lens. Lens frame seals to houging using a one piece extruded and vulcanized silicone gasket, the glass lens seals to the door frame using a closed cell silicone gasket.

Optical assembly: Highly reflective anodized segmented reflector with a multifaceted arc image duplicating system mounted on an aluminum or steel frame. Rotatable in 90° increments to match site lighting requirements and capable of being removed with quick disconnects. Five horizontal lamp distributions available. Achieves full cutoff while maintaining a 6:1 spacing-to-mounting-height ratio, as well as a 3:1 average to minimum uniformity ratio for typical applications.

Lamping: AR02: MH and HPS Medium base: E17. AR03: MH Mogul base: ED28. 250W HPS Mogul: E18. HPS Mogul base: E23.5. 400W HPS Mogul: ED18.

Electrical assembly: Ballast assembly components are attached to the tool-less removable ballast tray assembly. All components are an integral part of the fixture. Porcelain 4 kV (position oriented) socket with nickel-plated screw shell & center contact.

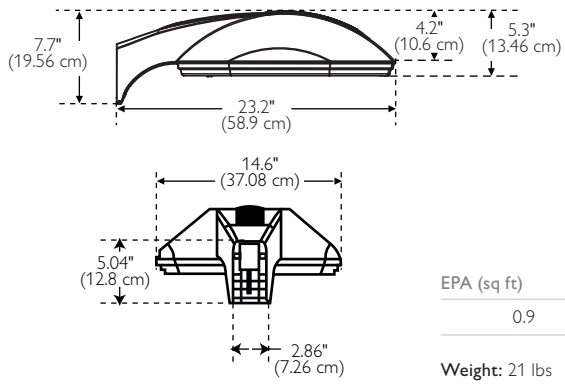
Ballast: All HID ballasts are core and coil and regulated with power factors better than 90% (HPF). Ballast provides +/- 5% lamp power regulation with +/- 10% input voltage regulation. Ballasts are factory pre-wired and tested. MH ballasts are capable of starting at -20° F or -30° C and HPS at -40°F or -40°C. All ballasts are EISA / Title 20 / Title 24 compliant where applicable.

Finish: A = Black, B = White, H = Bronze, and I = Gray.

Listings: UL and cUL Listed, suitable wet locations.

Warranty: Standard 5 Year Limited Warranty.

AR02 Dimensions



EPA (sq ft)
0.9

Weight: 21 lbs 9.53 kg

Ordering guide

Series	Mounting	Finish	Optics	Wattage				Voltage	Options
AR02	R3[1]	A	1	AR02		AR03		E 120	DF
	R4	B	2	HPS	PSMH	HPS	PSMH	F 208	H
	R5[2]	H	3	70S	70H	150S	150H	G 240	Q
	S3[1]	I	5	100S	100H	200S	250H	H 277	R
	S4		F	150S	150H	250S	320H	K 347	SF
	W					400S		J 480	N

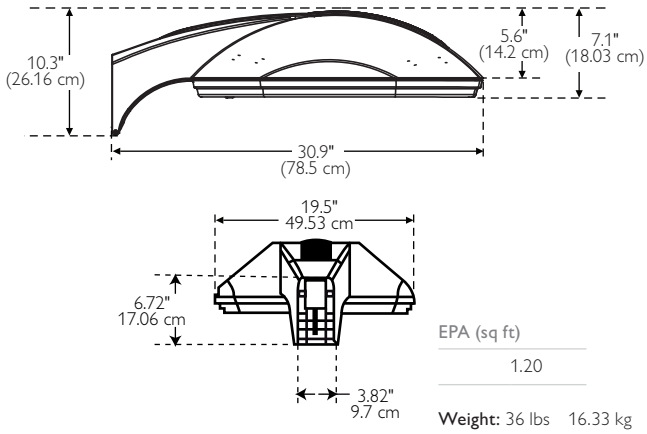
Notes
1) Available with AR02 only.
2) Available with AR03 only.

AR03 series

Architectural outdoor - site & area

- Renegade series is available in small (AR02) and large (AR03) housing sizes
- Aerodynamic design reduces wind resistance
- Housing constructed of 360 low-copper die-cast aluminum alloy
- Full cutoff, field rotatable optics for "Dark-Sky" compliance
- Constructed to IP65

AR03 Dimensions



EPA (sq ft)

1.20

Weight: 36 lbs 16.33 kg

Ordering guide

Series	Mounting	Finish	Optics	Wattage				Voltage	Options
AR03	R3[1]	A	1	AR02		AR03		E 120	DF
	R4	B	2	HPS	PSMH	HPS	PSMH	F 208	H
	R5[2]	H	3	70S	70H	150S	150H	G 240	Q
	S3[1]	I	5	100S	100H	200S	250H	H 277	R
	S4		F	150S	150H	250S	320H	K 347	SF
	W					400S		J 480	N

Notes
1) Available with AR02 only.
2) Available with AR03 only.

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets WLSP0372 (AR02) and WLSP0373 (AR03).

GSR LED series

Architectural outdoor - site & area

- GeoScapes LED architectural site and area luminaire
- High-output LEDs with an average rated life of 60,000 hours
- Individual precision optics for optimum performance, four distribution options available
- Die-cast aluminum housing with die-cast mounting arm
- Suitable for ambient temperature range of -30°C to 40°C

Specifications

Rated Life: 60,000 hours.

Construction: Heat-sensitive components mounted to cast aluminum for effective Thermal management. One-piece die-cast aluminum housing. Lens frame assembly is fully gasketed with silicone to prevent dust and bug entry. Heat and shock resistant tempered soda lime glass lens. All exposed hardware is corrosion resistant. Integral cast aluminum heat sink. Constructed to IP54.

Electrical: Electronic class II LED driver accepts 120-277v, 50/60hz input (constant current). Easily accessible splice box located in mounting arm. 054 LED consumes 95 watts (08 Driver). 054 LED consumes 70 watts (06 Driver). 049 LED consumes 102 watts (08 Driver). 049 LED consumes 72 watts (06 Driver).

LED Optical system: High-output LEDS. Individual precision optics collect and redirect light to optimize performance. LED Optical system individually controls the placement of light in the target area minimizing glare. LEDs have an average rated life of 60,000 hours (L70). Fully tempered soda lime glass lens.

Mounting: Key slot design allows for single person hook and placement of fixture leaving hands free for wiring. 6" die-cast aluminum arm, factory installed, with integral wiring compartment. Side access cover allows wiring connections to be made in arm.

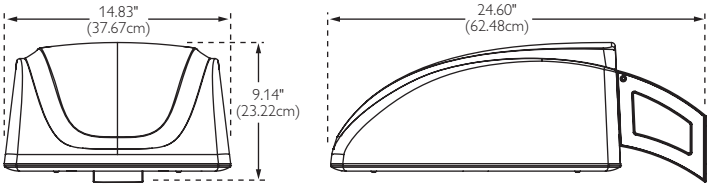
Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

LED Technical data: See Philips Wide-Lite spec sheet WLSP0356 for correct technical data.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Warranty: Standard 5 Year Limited Warranty.

GSR LED Dimensions



EPA (sq ft)	
(single)	1.5

Weight: 45 lbs 20.4 kgs

Mounting accessories

SMRRTA290-(F)	two @ 90
SMRRTA3120-(F)	three @ 120
GMLRPA	4" round pole adapter
SMRRTA1-(F)*	tenon adapter (2-3/8" O.D.) drilled for one
SMRRTA2180-(F)*	tenon adapter (2-3/8" O.D.) drilled for two @ 180
SMRRTA390-(F)*	tenon adapter (2-3/8" O.D.) drilled for three @ 90
SMRRTA4-(F)*	tenon adapter (2-3/8" O.D.) drilled for four @ 90
SMRSTA290-(F)	tenon adapter (2-3/8" O.D.) drilled for two @ 90 SQ
SMRSTA1-(F)	tenon adapter (2-3/8" O.D.) drilled for one SQ
SMRSTA2180-(F)	tenon adapter (2-3/8" O.D.) drilled for two @ 180 SQ
SMRSTA3-(F)	tenon adapter (2-3/8" O.D.) drilled for three SQ
SMRSTA4-(F)	tenon adapter (2-3/8" O.D.) drilled for four SQ
SMRWMP-(F)	5" SQ wall mounting plate
SMRSCB-(F)	5" SQ thru wire box

* order one (1) GMLRPA per fixture

Ordering guide

GSR		U					
Series	Driver	Voltage	Finish	Board			Options
GSR	**08**	**U** 120-277	**TSA**	# of LEDs	LED Color temperature	Optics	**PCB** Photocell Button
	06 reduced wattage		**TDB**	**054**	**6K** 054 LED Board only	**V2** Type II	**PC** Pencil Photocontrol
			TBK	**049**	**4K** 049 LED Board only	**V3** Type III	
			TWHT			**T5S** Type V Square	
			TGR			**T5R** Type V Rectangle	
			TGN				
			RAL(*)				

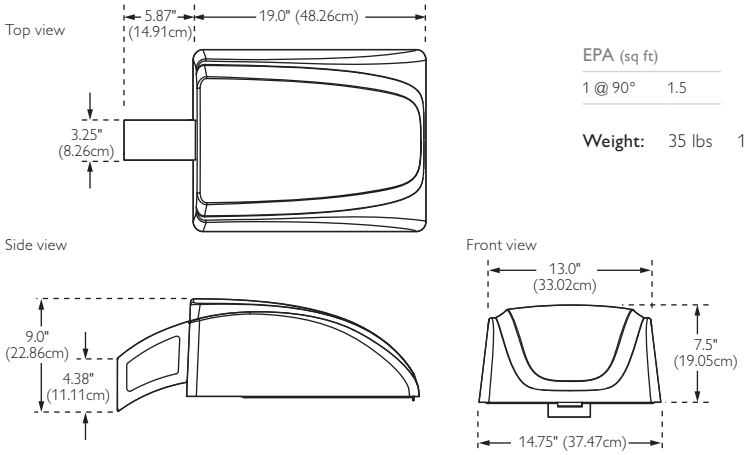
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0356.

GSR series

Architectural outdoor - site & area

- GeoScapes architectural medium cutoff roadway / site and area luminaire
- 150-400 W HID sources
- One piece die-cast aluminum housing
- Available in Type II, III and IV distributions

GSR Dimensions



EPA (sq ft)	
1 @ 90°	1.5

Weight: 35 lbs 15.8 kgs

Mounting accessories

SMRRTA290-(F)	two @ 90
SMRRTA3120-(F)	three @ 120
GMLRPA	4" round pole adapter
SMRRTA1-(F)*	tenon adapter (2-3/8" O.D.) drilled for one
SMRRTA2180-(F)*	tenon adapter (2-3/8" O.D.) drilled for two @ 180
SMRRTA390-(F)*	tenon adapter (2-3/8" O.D.) drilled for three @ 90
SMRRTA4-(F)*	tenon adapter (2-3/8" O.D.) drilled for four @ 90
SMRSTA290-(F)	tenon adapter (2-3/8" O.D.) drilled for two @ 90 SQ
SMRSTA1-(F)	tenon adapter (2-3/8" O.D.) drilled for one SQ
SMRSTA2180-(F)	tenon adapter (2-3/8" O.D.) drilled for two @ 180 SQ
SMRSTA3-(F)	tenon adapter (2-3/8" O.D.) drilled for three SQ
SMRSTA4-(F)	tenon adapter (2-3/8" O.D.) drilled for four SQ
SMRWMP-(F)	5" SQ wall mounting plate
SMRSCB-(F)	5" SQ thru wire box

* order one (1) GMLRPA per fixture

Specifications

Construction: One-piece die-cast aluminum housing. Lens frame opens by releasing a stainless steel latch for tool-less Lamp access. All exposed hardware is corrosion resistant. Constructed to IP54.

Electrical: All internal electrical components are installed on a ballast tray that swings down for easy access and replacement. Key slot design allows for single person hook and placement of fixture leaving hands free for wiring. 6" die-cast aluminum arm, factory installed, with integral wiring compartment. Side access cover allows wiring connections to be made in arm.

Optics: Lens frame assembly is fully gasketed with silicone to prevent dust and bug entry. Heat and shock resistant tempered glass lens. One piece hydroformed cut-off reflectors and hydroformed/segmented inserts.

Mounting: Key slot design allows for single person hook and placement of fixture leaving hands free for wiring.

Finish: Standard finish is Flat Bronze. (leave blank to specify). Designer colors available: BRW = Textured Bronze, BLK = Textured Black, WHW = Textured White, SL = Slate, GA = Galvanite, TM = Dark Titanium, CL = Clay, LS = Limestone. Custom colors may be specified. Consult factory.

Listings: UL/cUL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Notes
1) Standard finish is bronze, leave blank to specify.
2) Contact factory for standard Wide-Lite finish options.

Ordering guide

GSR															
Series	Distribution		Wattage		Lamp source		Options		Finish[2]	Voltage		Accessories	
GSR	2	Type II	PSMH	HPS	PSMH	HPS	FS	Single Fusing, 120-277V	BLANK[1]	1	120	SMRVS	Vandal Shield (Lexan)
	3	Type III	150	250	PMA	LX		(specify voltage)	BRW	2	208	SMRGS	Glare Shield
	4	Type IV	175	400			FSS	Double Fusing, 208/240/480 V	BLK	3	240	EEM552	Replacement Lens Assembly
			250					(specify voltage)	WHW	4	277	SMRHSS	House Side Shield
			320				TLR/PC	Twist Lock Photocontrol	SL	5	480		
			350				PCB	Photocontrol button	GA	8	120-277		
			400						TM				
									CL				
									LS				

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0343.

AW02 / AW03 series

Architectural outdoor - site & area

- Warrior Series is available in small (AW02) and large (AW03) housing sizes
- AW02 offers up to 150 W HPS and PSMH
- AW03 offers up to 400 W HPS and 320 W PSMH
- Full cutoff, field rotatable optics for "Dark-Sky" compliance
- Housing constructed of 360 low-copper die-cast aluminum alloy

Specifications

Housing: 360 low-copper die-cast aluminum alloy. Hinged lens frame is cast aluminum with stainless steel spring latch for tool-less Lamp access. A weatherproof ballast assembly isolates the ballast from water and heat. The optional photo control eye or twist-lock receptacle is located in the ballast enclosure for easy access.

Optical assembly: Precision formed, segmented specular aluminum internal cutoff reflector with horizontal lamp mounting. Reflector is rotatable in 90° increments. Sealed optical chamber. Interchangeable reflectors. Clear tempered flat glass lens.

Lamping: AW02: MH & HPS Medium base: E17. AW03: MH Mogul base: ED28. 250W HPS Mogul base: E18. HPS Mogul base: E23.5. 400W HPS Mogul base: ED18.

Electrical assembly: Ballast assemblies are mounted to an aluminum plate, which is mounted inside the ballast housing. 4 kV rated medium base (AW02) and mogul base (AW03) porcelain socket.

Ballast: HID ballasts are core and coil, regulated with power factors >90% (HPF). Ballast provides +/- 5% lamp power regulation with +/- 10% input voltage regulation. Ballasts are factory pre-wired and tested. MH ballasts can start at -20° F or -30° C and HPS at -40°F or -40°C.

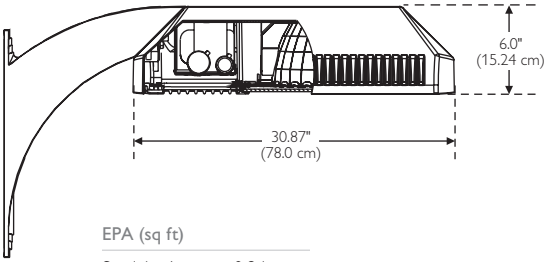
Mounting: Die-cast aluminum Adjustable Arm fits on a 2 3/8" O.D. x 4 3/8" long tenon with aiming capabilities. Cast aluminum curved arm, with bolt guides, back plate and mounting hardware. Adaptable to square or round poles with 3, 4, and 5" diameters. Horizontal slipfitter mounts over 2 3/8" O.D. horizontal mast arm. Straight extruded arm, with bolt guides, back plate and mounting hardware, adaptable to square or round poles with 3, 4, 5 and 6" diameters. Wall mount. Back plate included.

Finish: A = Black, B = White, H = Bronze, and I = Gray

Listings: UL and cUL Listed, suitable for wet locations.

Warranty: Standard 5 Year Limited Warranty.

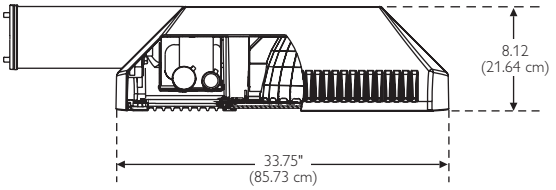
AW02 Dimensions



EPA (sq ft)	
Straight Arm	0.94
Curved Arm	1.10

Weight: 38 lbs 17.24 kg

AW03 Dimensions



EPA (sq ft)	
Straight Arm	1.36
Curved Arm	1.46

Weight: 50 lbs 22.67 kg

Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series	Arm	Mounting	Finish	Optics	Wattage		Voltage	Options	
AW02	AT	3	A	1[2]	AW02	AW03	E 120	N	H
AW03	C	4	B	2	HPS	HPS	F 208	A[1]	Q
	HT	5	H	3	70S	150S	G 240	B	R
	S	6[1]	I	4[2]	100S	250S	H 277	F[1]	SF[2]
		S		5	150S	400S	K 347	DF[2]	V[1]
		W		F	PSMH	PSMH	J 480	G[1]	
					50H	150H			
					70H	250H			
					100H	320H			
					150H				

Notes
1) Available with AW02 only.
2) Available with AW03 only.

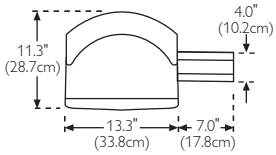
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets WLSP0370 (AW02) and WLSP0371 (AW03).

EAL series

Architectural outdoor - site & area

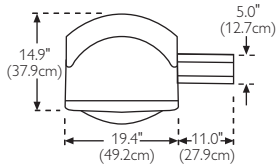
- Effex area luminaire architectural site and area luminaire series
- Available in HID, Compact Fluorescent and QL Induction sources
- 70-175 W HID and CF available in 13" housing
- 200-1000 W HID and QL available in 19" housing (HIBRED compatible)
- IP65 rated construction

EAL 13" Arm mount dimensions



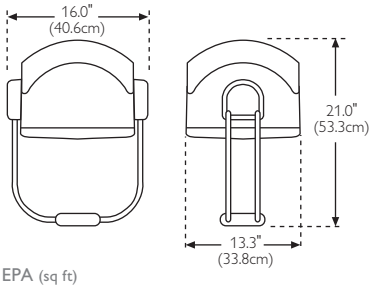
EPA (sq ft)	
1 @ 90°	0.8
2 @ 180°	1.5
2 @ 90°	1.7
3 @ 90°	1.9
4 @ 90°	2.0

EAL 19" Arm mount dimensions



EPA (sq ft)	
1 @ 90°	1.8
2 @ 180°	3.2
2 @ 90°	3.7
3 @ 90°	4.3
4 @ 90°	4.6

EAL 13" Yoke mount dimensions

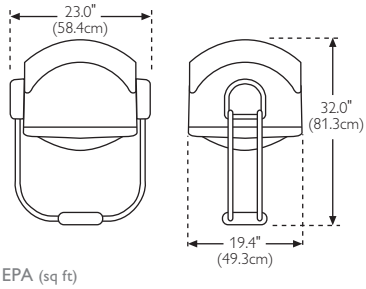


EPA (sq ft)	
head directed down	1.0
head directed at 45° from nadir	1.4

Weight: 34 lbs 15.42 kgs

Flat glass lens standard for HID and CF units.
Type F optics not available.

EAL 19" Yoke mount dimensions



EPA (sq ft)	
head directed down	2.1
head directed at 45° from nadir	2.5

Weight: 85 lbs 38.56 kgs

Sag glass lens standard for vertically lamped HID units.
Horizontally lamped HID and QL units have flat glass lens. EPA values greater with Type F optics.

Specifications

Housing: Die-cast of marine grade aluminum alloy.

Optical module: Optics are available to meet IES Full Cutoff criteria. Yoke mount optics swivel for vertical aiming adjustment. Faceted, segmented, high-purity anodized aluminum reflectors. Optical assemblies are field-rotatable and exchangeable. Fully gasketed construction. Flat glass standard in horizontally lamped and 70-150 W units. Sag glass standard in vertically lamped 200-1000 W units. CF and QL units available with flat glass lens and 5V optic only.

Lamp access: Hinged custom shaped silicon gasketed lens door secured by four captive screws. Mechanical stops in housing ensure gasket compression at relamping.

Ballast: HID units have HPF magnetic ballasts. CF and QL units have electronic ballast systems.

Mounting: Field installed surface arm mount of heavy gauge extruded aluminum for mounting to 3" and larger square poles. HIBRED Arm System available. Round pole adapters available. Post top has a mounting plate for attachment to round or square poles.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

Series/source-wattage		Distribution				Voltage	Mounting	Options	Finish	Accessories
PSMH	HPS	V	Vertical optics	H	Horizontal optics	HID	SS	BL	TSA	F1-KIT
EALP-70	EALS-70	1V		2H		120	H (HIBRED)	CSR	TDB	F2-KIT / F3-KIT
EALP-100	EALS-100	2V		3H		208	MA2	LQ	TBK	AL-40-EFX
EALP-150	EALS-150	3V		4H		240	PTSQ	LQ1	TWHT	AL-10-EFX
EALP-175	EALS-250	4V		4HS	w/house side shield	277	PTRD	F1	TGR	AL-40-EFX-(COLOR)
EALP-200	EALS-400	4VS	w/house side shield	5H		480	FMSQ4	F2 / F3	TGN	AL-10-EFX-(COLOR)
EALP-250	EALS-750	5V				347	FMRD4	TLR	RAL(*)	SK-40-EFX-(F)
EALP-350		F	Vertical optics	Flood optics		QV	FMRD3	TLR-PC		SK-10-EFX-(F)
EALP-400	CF (13" unit)	(with full cutoff shield)		(consult factory)		CF / QL	DMRD4	PCB		FCO-EAL-(F)
EALP-450	EALCF-42	1F		CO		120	DMRD3.1	FCO		WG-40-EFX
EALP-750	EALCF-2X42	2F		W		208	DMRD3	ASL		WG-10-EFX
EALP-1000	QL (19" unit)	3F		HF		240		GSL		RPA-EAL(size)
MH	EALQL-85	4F		VF		277		LB		RPTA-(X)DT(Y)
EALM-1000	EALQL-165	5F		SP				50HZ		SPTA-(X)DT(Y)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0130.
For HIBRED HID/LED Low-Level Ambient Lighting System details, see current Philips Wide-Lite spec sheet WLSP0278.

AL2 series

Architectural outdoor - site & area

- Spectra II architectural site and area luminaire series
- 70-150 W HID sources
- 14" square formed aluminum housing with anodized extruded aluminum door frame
- Arm mount to square pole (standard), other mounting choices available
- IP54 rated construction

Specifications

Housing: Formed aluminum sheet metal housing and top. Sides and top shall be mechanically and chemically sealed to ensure a rain-tight seal. Constructed to IP54.

Optical module: Rotatable multi-faceted segmented reflectors made of high purity, anodized aluminum. Optical assemblies are field rotatable at 90° increments and exchangeable. Horizontal lamp optics with flat glass lens meets Full Cutoff criteria. Dark Sky compliant.

Lamp access: Door frame shall be mitered anodized aluminum extrusion, gasketed to ensure a positive seal to the housing while accommodating a flat glass lens.

Socket: 4 kV pulse-rated, grip-type medium base porcelain socket prevents lamp loosening and maintains lamp positioning.

Ballast: High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to -34°C (-30°F) for PSMH, -40°C (-40°F) for HPS. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8.

Mounting: Surface arm mount (field installed) of heavy gauge extruded aluminum. Threaded tension rods bolt to square (standard) or round poles. Additional mounting options include direct mount to square pole, adjustable arm mount, adjustable mastfitter, wall mount bracket (with or without arm), and pole top tenon adapters with arm mount for square and round poles.

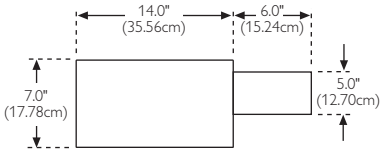
Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

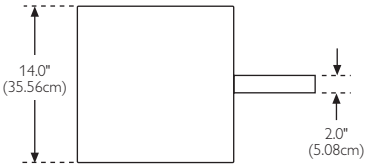
Warranty: Standard 5 Year Limited Warranty.

AL2 Arm mount dimensions

Side view



Top view



EPA (sq ft)	
1 @ 90°	1.1
2 @ 90°	2.2
3 @ 90°	2.8
4 @ 90°	2.8

Weight: 30 lbs 13.6 kgs

Ordering guide

Series/source-wattage		Distribution	Voltage	Mounting	Options		Finish	Accessories
PSMH	HPS	H H lamp, flat glass	120	SS	CSR	DS02	TSA	F1-KIT
AL2P-70	AL2S-70	2H	208	SR(X)	LQ	DS03	TDB	F2-KIT
AL2P-100	AL2S-100	3H	240	DM	F1	DS04	TBK	F3-KIT
AL2P-150	AL2S-150	4H	277	SA2	F2	DS05	TWHT	SK-AL2-(F)
		5H	347	MA2	F3		TGR	
			480	RTA-(X)-(Y)	TLR		TGN	
			QV	SPTA-(X)-2.375	TLR-PC		RAL(*)	
				WB	PCB			
				WBA				

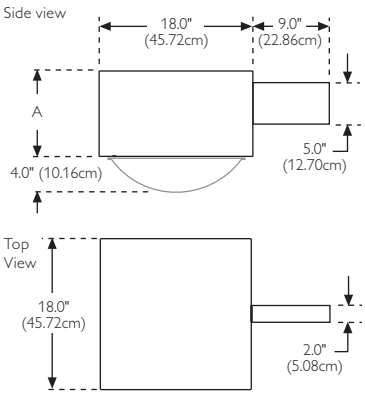
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0125.

AL3 series

Architectural outdoor - site & area

- Spectra III architectural site and area luminaire series
- 150-875 W HID sources (HIBRED compatible)
- 18" square formed aluminum housing with anodized extruded aluminum door frame
- Arm mount to square pole (standard), post top and trunnion yoke mount available
- IP54 rated construction

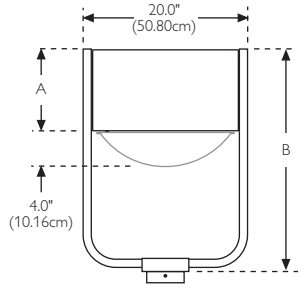
AL3 Arm mount dimensions



Housing depth (A) arm mount and post top		
150-400 W, non-dimming unit	10.0"	(25.40cm)
450-875 W, non-dimming unit	12.0"	(30.48cm)
150-400 W, dimming unit	12.0"	(30.48cm)

EPA (sq ft)	10" deep flat glass	10" deep sag glass	12" deep flat glass	12" deep sag glass
1 @ 90°	1.9	2.1	2.2	2.3
2 @ 90°	3.8	4.2	4.3	4.7
2 @ 180°	3.8	4.2	4.4	4.7
3 @ 90°	4.8	5.6	5.6	6.1
3 @ 120°	4.8	5.6	5.6	6.1
4 @ 90°	5.0	5.9	5.9	6.4

AL3 Post top yoke mount dimensions



Overall height (B)		
150-400 W, non-dimming unit	27.25"	(69.22cm)
450-875 W, non-dimming unit	29.25"	(74.30cm)
150-400 W, dimming unit	29.25"	(74.30cm)

EPA (sq ft)	10" deep flat glass	10" deep sag glass	12" deep flat glass	12" deep sag glass
(single)	2.2	2.4	2.5	2.7

Weight:			
	150-400 W	50 lbs	22.7 kgs
	450-875 W	82 lbs	37.2 kgs

Specifications

Housing: Formed aluminum sheet metal housing and top. Sides and top shall be mechanically and chemically sealed to ensure a rain-tight seal. Constructed to IP54.

Optical module: Rotatable multi-faceted segmented reflectors shall be made of high purity, anodized aluminum. Optical assemblies shall be field rotatable at 90° increments and exchangeable. Vertically or horizontally lamped optics with flat or sag glass lens (determined by optic and wattage). Flat glass optics meet Full Cutoff criteria and are Dark Sky compliant.

Lamp access: Door frame shall be mitered anodized aluminum extrusion, gasketed for a positive seal.

Socket: 4 kV pulse-rated, grip-type mogul base porcelain socket. Stabilux horizontal socket available.

Ballast: HPF constant-wattage autotransformer (CWA) ballast with reliable starting to -34°C (-30°F) for PSMH, -40°C (-40°F) for HPS. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8.

Mounting: Standard surface arm mount (field installed) of heavy gauge extruded aluminum. HIBRED Arm System available. Threaded tension rods used to bolt to square (standard) or round poles. Optional post top mount and trunnion yoke mount. Other mounting options include adjustable arm mount/mastfitter, wall brackets, and pole top tenon adapters with arm mount.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

Series/source-wattage		Distribution		Voltage	Mounting		Options		Finish	Accessories
PSMH	HPS	F V lamp, flat glass	H H lamp, flat glass	120	SS	PT(XY)	BL	DS(XX)	TSA	F1-KIT
AL3P-150	AL3S-150	2F	2H	208	SR(X)	Y	CSR	HSS-H-AL3	TDB	F2-KIT
AL3P-175	AL3S-250	3F	3H	240	H (HIBRED)		LQ	HSS-V-AL3	TBK	F3-KIT
AL3P-250	AL3S-400	4F	4H	277	DM		LQ1	ASL	TWHT	HSS-H-AL3
AL3P-320	AL3S-750	5F	5H	347	SA2		F1	SLS	TGR	HSS-V-AL3
AL3P-350		V V lamp, sag glass		480	MA2		F2		TGN	SK-AL2-(F)
AL3P-400		2V		QV	RTA-(X)-(Y)		F3		RAL(*)	
AL3P-450		3V			SPTA-(X)-2.375		TLR			
AL3P-750		4V			WB		TLR-PC			
AL3P-875		5V			WBA		PCB			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0126.
For HIBRED HID/LED Low-Level Ambient Lighting System details, see current Philips Wide-Lite spec sheet WLSP0278.

AL4 series

Architectural outdoor - site & area

- Spectra IV architectural site and area luminaire series
- 400-1000 W HID sources
- 23" square formed aluminum housing with anodized extruded aluminum door frame
- Arm mount to square pole (standard), post top mount available
- IP54 rated construction

Specifications

Housing: Formed aluminum sheet metal housing and top. The sides and top shall be mechanically and chemically sealed to ensure a rain-tight seal. Constructed to IP54.

Optical module: Rotatable, exchangeable, multi-faceted segmented high purity, anodized aluminum reflectors. Field rotatable at 90° increments. Vertical lamp optics with flat glass lens meets Full Cutoff criteria. Dark Sky Ordinance compliant.

Lamp access: Door frame shall be mitered anodized aluminum extrusion, gasketed to ensure a positive seal to the housing while accommodating a flat glass lens.

Socket: 4 kV pulse-rated (5 kV for 1000 W), grip-type mogul base porcelain socket prevents lamp loosening and maintains proper lamp positioning. Stabilux horizontal lamp socket is standard.

Ballast: High power factor ballast with reliable starting to -29°C (-20°F) for MH, -34°C (-30°F) for PSMH, -40°C (-40°F) for HPS. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8.

Mounting: Surface arm mount (field installed) shall be of heavy gauge extruded aluminum. Threaded tension rods shall be used to bolt to square (standard) or round poles. Additional mounting options include direct mount to square pole, an adjustable arm mount, an adjustable mastfitter, a wall mount bracket (with or without arm), and pole top tenon adapters with arm mount for square and round poles.

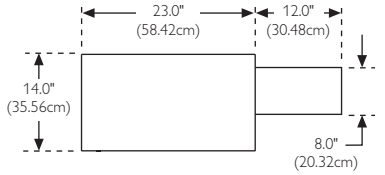
Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

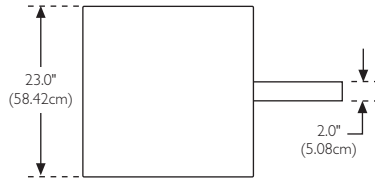
Warranty: Standard 5 Year Limited Warranty.

AL4 Arm mount dimensions

Side view

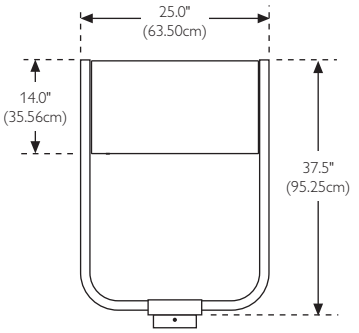


Top View



EPA (sq ft)	
1 @ 90°	3.6
2 @ 90°	7.3
3 @ 90°	8.8
4 @ 90°	8.8

AL4 Post top yoke dimensions



EPA (sq ft)	
(single)	3.6

Weight: 90 lbs 40.8 kgs

Ordering guide

Series/source-wattage			Distribution	Voltage	Mounting	Options		Finish	Accessories
MH	PSMH	HPS	F V lamp, flat glass	120	SS	BL	TLR	TSA	F1-KIT
AL4M-1000	AL4P-400	AL4S-400	3F	208	SR(X)	CSR	TLR-PC	TDB	F2-KIT
	AL4P-450	AL4S-750	4F	240	SA2	LQ	PCB	TBK	F3-KIT
	AL4P-750	AL4S-1000	5F	277	MA2	LQ1	HSS-H-AL4	TWHT	SK-AL4-(F)
	AL4P-875			347	RTA-(X)-(Y)	F1	DS(XX)	TGR	
	AL4P-1000			480	PT(XY)	F2		TGN	
				QV		F3		RAL(*)	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0127.

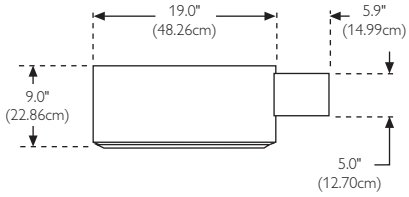
AL2R series

Architectural outdoor - site & area

- Spectra II Round architectural site and area luminaire series
- 70-200 W HID sources
- 19" diameter spun aluminum housing with die-cast aluminum door frame
- Arm mount to square pole (standard), other mounting choices available
- IP54 rated construction

AL2R Arm mount dimensions

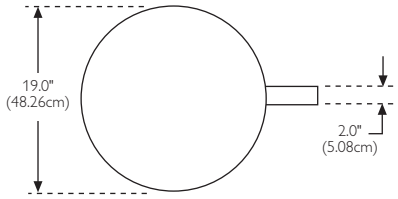
Side view



EPA (sq ft)	
1 @ 90°	0.8
2 @ 90°	1.5
3 @ 90°	1.8
4 @ 90°	2.0

Weight: 40 lbs 18.1 kgs

Top view



Specifications

Housing: Seamless spun aluminum housing. Constructed to IP54.

Optical module: Rotatable multi-faceted segmented reflectors shall be made of high purity, anodized aluminum. Optical assemblies shall be field rotatable at 90° increments and exchangeable. Vertical or horizontal optics with flat glass lens meet Full Cutoff criteria. Dark Sky Ordinance compliant.

Lamp access: Door frame shall be die-cast aluminum, and is gasketed to ensure a positive seal to the housing.

Socket: 4 kV pulse-rated, grip-type medium base porcelain socket shall be used to prevent lamp loosening and to maintain proper lamp positioning.

Ballast: High power factor magnetic ballast with reliable starting to -34°C (-30°F) for PSMH, -40°C (-40°F) for HPS. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8.

Mounting: Surface arm mount (field installed) shall be of heavy gauge extruded aluminum. Threaded tension rods shall be used to bolt to 3.5" or larger square (standard) or round poles. Additional mounting options include a mastfitter, a wall mount bracket with arm, and pole top tenon adapters with arm mount for square and round poles.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

Series/source-wattage		Distribution	Voltage	Mounting	Options	Finish	Accessories
PSMH	HPS	F V lamp, flat glass	120	SS	LQ	TSA	F1-KIT
AL2RP-70	AL2RS-70	3F	208	SR(X)	LQ1	TDB	F2-KIT
AL2RP-100	AL2RS-100	4F	240	SM	F1	TBK	F3-KIT
AL2RP-150	AL2RS-150	5F	277	RTA-(X)-(Y)	F2	TWHT	
		H H lamp, flat glass	347	SPTA-(X)-2.375	F3	TGR	
		2H	480	WBA	TLR	TGN	
		3H	QV		TLR-PC	RAL(*)	
		4H			PCB		
		5H					

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0128.

AL3R series

Architectural outdoor - site & area

- Spectra III Round architectural site and area luminaire series
- 250-400 W HID and 165 W QL Induction sources (HIBRED compatible)
- 25" diameter spun aluminum housing with die-cast aluminum door frame
- Arm mount to square pole (standard), post top mount available
- IP54 rated construction

Specifications

Housing: Seamless spun aluminum housing.

Optical module: Rotatable multi-faceted segmented reflectors made of high purity, anodized aluminum. Optical assemblies field rotatable at 90° increments and exchangeable. Vertically or horizontally lamped optics with flat or sag glass lens. Flat glass optics meet Full Cutoff criteria and are Dark Sky compliant.

Lamp access: Door frame shall be die-cast aluminum, gasketed to ensure a positive seal to the housing.

Socket: 4 kV pulse-rated, grip-type mogul base porcelain socket. Stabilux horizontal socket available.

Ballast: HID units have HPF magnetic ballasts with reliable starting to -34°C (-30°F) for PSMH, -40°C (-40°F) for HPS. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8. QL units have high frequency electronic ballast systems with reliable starting to -40°C (-40°F) and 100,000 hour rated life.

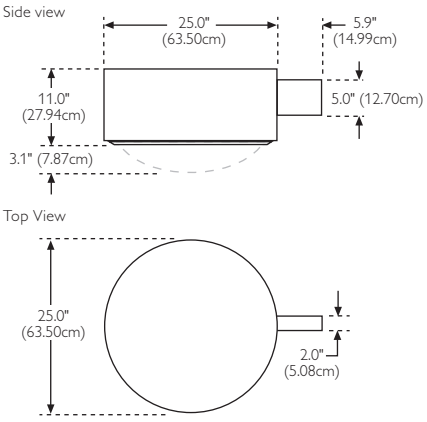
Mounting: Standard surface arm mount (field installed) of heavy gauge extruded aluminum. HIBRED Arm System available. Threaded tension rods used to bolt to square (standard) or round poles. Post top and trunnion yoke mount available. Other mounting options available.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

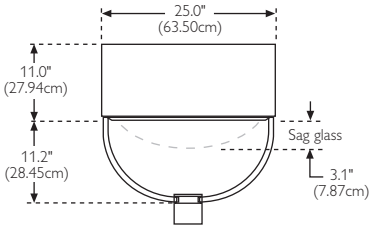
AL3R Arm mount dimensions



EPA (sq ft)	flat glass	sag glass
1 @ 90°	1.9	2.1
2 @ 90°	3.8	4.2
2 @ 180°	3.8	4.2
3 @ 90°	4.8	5.6
3 @ 120°	4.8	5.6
4 @ 90°	5.0	5.9

Weight: 60 lbs 27.2 kgs

AL3R Post top yoke mount dimensions



EPA (sq ft)	flat glass	sag glass
(single)	1.3	1.5

Weight: 60 lbs 27.2 kgs

Ordering guide

Series/source-wattage		Distribution		Voltage		Mounting	Options	Finish	Accessories
PSMH	HPS	F V lamp, flat glass	H H lamp, flat glass	HID	QL	SS	BL	TSA	F1-KIT
AL3RP-250	AL3RS-250	2F	2H	120	120	SR(X)	CSR	TDB	F2-KIT
AL3RP-320	AL3RS-400	3F	3H	208	208	H (HIBRED)	LQ	TBK	F3-KIT
AL3RP-350		4F	4H	240	240	SM	LQ1	TWHT	
AL3RP-400		5F	5H	277	277	RTA-(X)-(Y)	F1	TGR	
	QL Induction	V V lamp, sag glass		347		SPTA-(X)-2.375	F2	TGN	
	AL3RQL-165	2V		480		WBA	F3	RAL(*)	
		3V		QV		PT(XY)	TLR		
		4V					TLR-PC		
		5V					PCB		
							SLS		
							HSS		

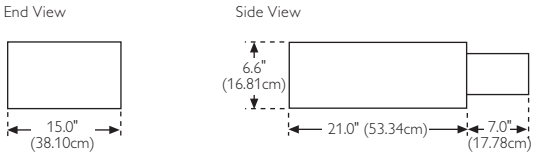
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0129.
For HIBRED HID/LED Low-Level Ambient Lighting System details, see current Philips Wide-Lite spec sheet WLSP0278.

S10X series

Architectural outdoor - site & area

- Spectra Ten-X architectural site and area luminaire series
- Available in 150-1000 W HID
- Formed aluminum housing in 3 sizes with anodized extruded aluminum door frame
- Arm mount to square pole (standard), other mounting choices available
- IP54 rated construction

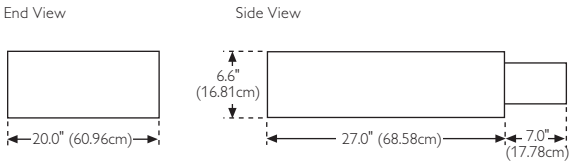
S10X Dimensions - small housing 150-250 W HID



EPA (sq ft)	
1 @ 90°	1.6
2 @ 90°	2.3
2 @ 180°	3.2
4 @ 90°	3.9

Weight: 35 lbs 15.9 kgs

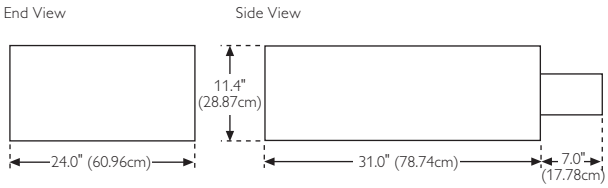
S10X Dimensions - medium housing 150-400 W HID



EPA (sq ft)	
1 @ 90°	1.8
2 @ 90°	2.8
2 @ 180°	3.6
4 @ 90°	4.6

Weight: 57 lbs 25.9 kgs

S10X Dimensions - large housing 750-1000 W HID



EPA (sq ft)	
1 @ 90°	3.5
2 @ 90°	5.7
2 @ 180°	7.0
4 @ 90°	9.2

Weight: 93 lbs 42.2 kgs

Specifications

Housing: Formed aluminum housing with sides and top mechanically and chemically sealed to ensure a rain tight seal. Housing size varies depending on wattage and optics. Constructed to IP54.

Optic assembly: Horizontal lamp, flat glass optics provide full cut-off illumination for roadway and parking applications. IES Type II, III, IV, and V distributions. Multi-faceted high purity anodized aluminum reflectors. Field-rotatable and exchangeable optics.

Ballast specification overview: 150-1000 W standard HID units have magnetic ballasts.

Lamp access: Extruded aluminum lens frame. Natural anodized door frame with mitered corners. Opposing spring loaded latches provide tool-less Lamp access. Extruded silicone gasket ensures a sealed enclosure.

Socket: 4 kV pulse-rated (5 kV for 1000 W HPS), grip-type mogul base porcelain socket for proper lamp positioning.

Mounting: Standard surface mounting arm (field installed) is of heavy gauge extruded aluminum, 7" long (11" long when fixtures mounted at 90°). Threaded tension rods used to bolt to 4" minimum square poles.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

Series/source-wattage		Distribution	Voltage	Mounting	Options	Finish	Accessories	
CosmoPolis	MH	2	120	S	HID	TSA	F1-KIT	RPTA-3120-S10
S10XP-60	S10XM-1000	3	208	S11	F1	TDB	F2-KIT	RPTA-490-S10
S10XP-90		FT	240	M	F2 / F3	TBK	F3-KIT	SW-DT4
S10XP-140		5	277	MA2	CSR	TWHT	RPA-S10	SPTA-190-S10
PSMH	HPS		347		LQ1	TGR	RPTA-190-S10	SPTA-290-S10
S10XP-150	S10XS-150		480		TLR	TGN	RPTA-290-S10	SPTA-2180-S10
S10XP-250	S10XS-250		QV		TLR-PC	RAL(*)	RPTA-2120-S10	SPTA-390-S10
S10XP-320	S10XS-400				HSS		RPTA-2180-S10	SPTA-490-S10
S10XP-400	S10XS-750				AL-4-S10		RPTA-390-S10	
S10XP-750	S10XS-1000				BL			
S10XP-875					LQ			
S10XP-1000					50HZ			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet : WLSP0160

GSR Solar LED series

Solar

- GeoScapes Solar LED architectural site and area luminaire
- High-output LED optics combined with energy-saving solar technology
- Individual precision optics for optimum performance
- Available in Type II & III roadway distributions
- Die-cast aluminum housing with die-cast mounting arm
- Suitable for ambient temperature range of -30°C to 40°C

Specifications

Rated Life: 60,000 hours.

Housing / construction: One-piece die-cast aluminum housing. One-piece fully gasketed cast aluminum lens frame. Integral cast aluminum heat sink ensures cool operation. Constructed to IP54.

Driver / electrical: Electronic class II LED driver accepts 120-277V, 50/60 Hz input (constant current). Easily accessible splice box located in mounting arm.

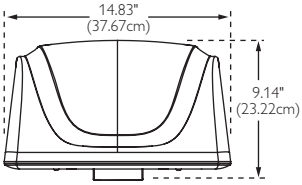
LED Optical system: High-output LEDs. Individual precision optics collect and redirect light to optimize performance. LED Optical system individually controls the placement of light in the target area minimizing glare. LEDs have an average rated life of 60,000 hours (L70). Fully tempered soda lime glass lens.

Mounting: Factory installed die-cast aluminum arm. Arm contains integral wiring/splice chamber via side access. Key slot design allows for single person hook and placement of fixture leaving hands free for wiring.

Finish: Polyester powder coating. TDB = textured dark bronze, TBK = textured black, TWHT = textured white.

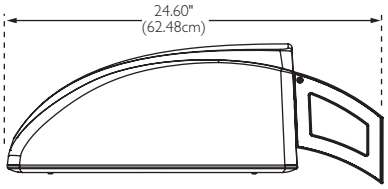
Warranty: Standard 5 Year Limited Warranty.

GSR Solar LED dimensions



EPA (sq ft)	
(single)	1.5

Weight: 35 lbs 15.8 kgs



Ordering guide

GSR							LED						
Series	Finish	Distribution	Zone				LED	No. fixtures	Wattage	Run time		Battery location	
GSR	TDB	2 Type II	PV01	PV06	PV11	PV16	LED	1 Single	30	DTD	Dusk-to-Dawn	L	8 ft above grade
	TBK	3 Type III	PV02	PV07	PV12	PV17		2 Double	40	5/0/0	5 hrs after dusk	H	Pole top
	TWHT		PV03	PV08	PV13	PV18		(30 W only)	60	6/0/2	6 hrs after dusk,		
			PV04	PV09	PV14	PV19					2 hrs before dawn		
			PV05	PV10	PV15	PV20				6/0/8@50%	6 hrs full power		
			Zone based on geographic location:								after dusk & 8 hrs		
			(Zip Code) - consult factory.								1/2 power to dawn		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0341.
For Solar Panel System and component specifications, see current Philips Wide-Lite spec sheets as follows:

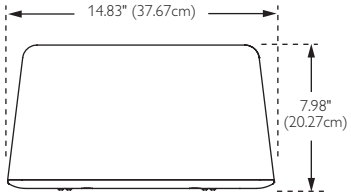
TPM	WLSP0357	SPA 80	WLSP0359	Solarized Electronics (Sol)	WLSP0362
Poles	WLSP0358	SPA 100	WLSP0360	NRGLife Gold (Gel Cell Battery)	WLSP0363
		SPA 125	WLSP0361		

SMR Solar LED series

Solar

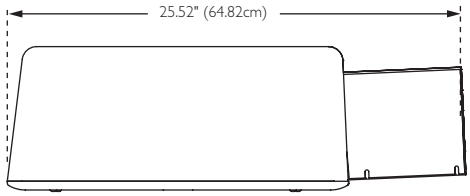
- SiteMaster Cutoff Solar LED site and area luminaire
- High-output LED optics combined with energy-saving solar technology
- Individual precision cutoff optics for optimum performance
- Available in Type II & III roadway distributions
- Die-cast aluminum housing with die-cast mounting arm
- Suitable for ambient temperature range of -30°C to 40°C

SMR Solar LED dimensions



EPA (sq ft)	
(single)	1.5

Weight: 45 lbs 20.4 kgs



Specifications

Rated Life: 60,000 hours.

Housing / construction: One-piece die-cast aluminum housing. One-piece fully gasketed cast aluminum lens frame. Integral cast aluminum heat sink ensures cool operation. Constructed to IP54.

Driver / electrical: Electronic class II LED driver accepts 120-277V, 50/60 Hz input (constant current). Easily accessible splice box located in mounting arm.

LED Optical system: High-output LEDs. Individual precision optics collect and redirect light to optimize performance. LED Optical system individually controls the placement of light in the target area minimizing glare. LEDs have an average rated life of 60,000 hours (L70). Fully tempered soda lime glass lens.

Mounting: Factory installed die-cast aluminum arm. Arm contains integral wiring/splice chamber via side access. Key slot design allows for single person hook and placement of fixture leaving hands free for wiring.

Finish: Polyester powder coating. TDB = textured dark bronze, TBK = textured black, TWHT = textured white.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

SMR					LED				
Series	Finish	Distribution	Zone		LED	No. fixtures	Wattage	Run time	Battery location
SMR	TDB	2 Type II	PV01 PV06 PV11 PV16		LED	1 Single	30	DTD Dusk-to-Dawn	L 8 ft above grade
	TBK	3 Type III	PV02 PV07 PV12 PV17			2 Double	40	5/0/0 5 hrs after dusk	H Pole top
	TWHT		PV03 PV08 PV13 PV18			(30 W only)	60	6/0/2 6 hrs after dusk,	
			PV04 PV09 PV14 PV19					2 hrs before dawn	
			PV05 PV10 PV15 PV20					6/0/8@50% 6 hrs full power	
			Zone based on geographic location:					after dusk & 8 hrs	
			(Zip Code) - consult factory.					1/2 power to dawn	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0342.
For Solar Panel System and component specifications, see current Philips Wide-Lite spec sheets as follows:

TPM	WLSP0357	SPA 80	WLSP0359	Solarized Electronics (Sol)	WLSP0362
Poles	WLSP0358	SPA 100	WLSP0360	NRGLife Gold (Gel Cell Battery)	WLSP0363
		SPA 125	WLSP0361		

Solar panel system components

Solar

- Tilted mount solar panel system
- Used with GSR Solar LED and SiteMaster Cutoff Solar LED site and area luminaires
- Poles available in Above Ground and Direct Burial mounting
- NRGLife Gold Gel Cell Battery - 12 V 100 Ah with 12 year design life for stand by power
- High-efficiency PV modules: Solar Power Arrays SPA 80, 100 and 125 have 25 year life

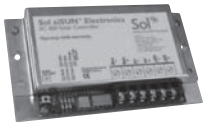
Tilted mount solar panel system

TPM Features

- Totally integrated top of pole mounted solar power module, mounted separately from the luminaire, allows for the solar panel(s) to be mounted at optimum angle to capture the sun's energy for a geographic location.
- Intelligent lighting systems (Sol) will measure battery levels at the start of every night to optimize LED performance. In periods of extended bad weather, the light dims to limit low voltage disconnect.
- Entire structural assembly is specifically engineered for rugged environment.
- Corrosion resistant aluminum and stainless steel hardware.
- Maintenance free gel cell batteries.
- A typical minimum battery back-up of 5 days in case of inclement weather. (Sol)
- Standard model includes fixture and pole.
- Rugged, vented aluminum energy storage array holds battery(s), controller and all interconnects.
- Super efficient, bright, white light 4100 K LED light source.
- The most efficient and aesthetically pleasing white light source in this wattage range.
- Excellent color rendering optimizes visual acuity and contrast, offering best in class night-time vision.
- "Instant-on" – no warm up or cold start issues.
- Unlike conventional lights, no risk of hazardous disposal – CF, CCFL, LPS and HPS contain mercury.
- Dark Sky compliant - low light pollution outside of light distribution field.
- LED directed light provides a concentrated, uniform light pattern where it is needed.
- LED provides 60,000 hours of brilliant illumination.
- 5 year system warranty. Limited 25 year warranty on solar panels.

Solarized electronics SC300 / LED driver features

- Multiple operating modes, light levels, and timing options.
- Programmed based on project requirements eliminating time consuming switch and knob setting.
- Integrated charging and LED driving system reduces system failures and overall system complexity/cost.
- Integrated surge protection and noise reduction extending system life in even harsh environments.
- Temperature compensated and PWM controlled battery charging to ensure full battery life of 5 years.
- Auxiliary contact closure input seamlessly integrates manual control, motion detectors, or external control inputs.
- Full solid state design without electrolytic capacitors ensure 100,000 hour life for no maintenance control.
- Ten day/night memory averaging to ensure accurate turn on and turn off lights to prevent false response due to weather variations.
- Over voltage protection; LED short circuit protection.
- Internal PV disconnect (no external diodes required).



SC300 / LED driver specifications

Electrical

Feature	Value
Operating Voltage	12 V / 24 V nominal (self calibrating)
Operating Voltage	0-25 A
LED Current	100 mA – 5.0 A
Low Voltage Disconnect	11.5 VDC, 23.0 VDC (12 V/24 V operation)
Charging	PWM with 3 stage for Gel and AGM batteries
LED Indicators	7 Diagnostic LEDs
Lamp Voltage	50 VDC Maximum

Physical

Feature	Value
Operating Temp.	-40F/-40C to 120F to 49C
Humidity	Up to 100%
Packaging	Aluminum
Weight	16 oz
Size (L x W x H)	6.75" x 3.75" x .88" / 171.45 x 95.25 x 22.35 (mm)

For complete solarized Electronics specifications, see current Philips Wide-Lite spec sheet WLSP0362.

TPM Specifications

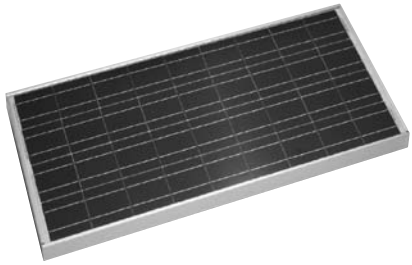
Panel size	Dimensions (inches) length x width	Panel power output amps	EPA @ 45 degrees Power unit & battery box* (add fixture & arm below)	System weight	Suggested pole tenon size
125 watts (1 x 125w)	58.58 x 26.06	7.14 amp @ 12V	6.94 sq. ft.	Approx. 155 lb.	3.5" O.D.
160 watts (2 x 80w)	41.6 x 46.75	9.1 amp @ 12V	9.90 sq. ft.	Approx. 210 lb.	3.5" O.D.
200 watts (2 x 100w)	48.54 x 52.13	11.4 amp @ 12V	11.72 sq. ft.	Approx. 225 lb.	3.5" O.D.
250 watts (2 x 125w)	58.94 x 52.13	14.28 amp @ 12V	19.29 sq. ft.	Approx. 240 lb.	3.5" O.D.
300 watts (3 x 100w)	48.54 x 78.19	17.1 amp @ 12V	22.93 sq. ft.	Approx. 340 lb.	3.5" O.D.
375 watts (3 x 125w)	58.94 x 78.19	21.42 amp @ 12V	27.02 sq. ft.	Approx. 360 lb.	3.5" O.D.
400 watts (4 x 100w)	48.54 x 104.25	22.8 amp @ 12V	27.02 sq. ft.	Approx. 440 lb.	3.5" O.D.

For complete Tilted Mount Solar Panel System specifications, see current Philips Wide-Lite spec sheet WLSP0357.

SPA and pole specifications

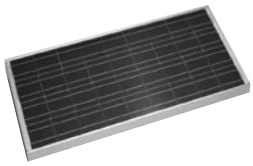
Solar

- Solar Power Array provides outstanding low-light performance
- High-efficiency PV modules: Solar Power Arrays SPA 80, 100 and 125 have 25 year life
- Used with GSR Solar LED and SiteMaster Cutoff Solar LED site and area luminaires
- Quick connect mounting hardware and wiring harness for ease of installation
- Poles available in Above Ground and Direct Burial mounting



SPA 100 Electrical specifications

Max. power at STC [Pmax]	100 W
Power tolerance	+ 5%
Nominal Voltage	18 V
Voltage at Pmax [Vmp]	17.31 V
Current at Pmax [Imp]	5.7A
Short-circuit current [Isc]	6.3A
Open-circuit voltage [Voc]	22.15 V
Temp. coefficient of Isc	(0.065+0.005)%/ °C
Temp. coefficient of Voc	-(80+10)mv/°C
Temp. coefficient of power	-(0.5+0.05)mv/°C
NOCT Air 20°C; Sun 0.8kW/m2; Wind 1m/s	46°C +2°C (114.8°F +2°F)
Operating temperature	-40°C to +85°C (-40°F to 185°F)
Max. system voltage	1000 V



SPA 80 Electrical specifications

Max. power at STC [Pmax]	80.08 W
Power tolerance	+ 5%
Nominal Voltage	18V
Voltage at Pmax [Vmp]	17.96V
Current at Pmax [Imp]	4.46A
Short-circuit current [Isc]	5.01A
Open-circuit voltage [Voc]	22.915V
Temp. coefficient of Isc	(0.065+0.005)%/ °C
Temp. coefficient of Voc	-(80+10)mv/°C
Temp. coefficient of power	-(0.5+0.05)mv/°C
NOCT Air 20°C; Sun 0.8kW/m2; Wind 1m/s	46°C +2°C (114.8°F +2°F)
Operating temperature	-40°C to +85°C (-40°F to 185°F)
Max. system voltage	1000V DC

SPA 125 Electrical specifications

Max. power at STC [Pmax]	125 W
Power tolerance	+ 5%
Nominal Voltage	18 V
Voltage at Pmax [Vmp]	17.51 V
Current at Pmax [Imp]	7.14A
Short-circuit current [Isc]	7.62A
Open-circuit voltage [Voc]	21.86 V
Temp. coefficient of Isc	(0.065+0.005)%/ °C
Temp. coefficient of Voc	-(80+10)mv/°C
Temp. coefficient of power	-(0.5+0.05)mv/°C
NOCT Air 20°C; Sun 0.8kW/m2; Wind 1m/s	46°C +2°C (114.8°F +2°F)
Operating temperature	-40°C to +85°C (-40°F to 185°F)
Max. system voltage	1000 V

Solar power array

SPA 80 / 100 / 125 Features

- Outstanding low-light performance.
- High transparent low-iron, tempered glass.
- All Aluminum anodized frame construction will not rust or corrode for long-lasting visual appeal.
- Three 10A, Schottky by-pass diodes included
- Front is constructed of high-transmission 3.2mm tempered glass; Encapsulant: EVA / Back: TPT
- Withstands high wind-pressure and snow load.
- Unique technology ensures freezing and warping do not occur.
- Quick connect mounting hardware and wiring harness assist in fast and reliable installation.
- Frame is constructed of clear annodized aluminum alloy.
- Design life of 25 years.
- 20 year module output limited warranty.

For complete specifications on Solar Power Arrays, see current Philips Wide-Lite spec sheets WLSP0359 (SPA 80), WLSP0360 (SPA 100), and WLSP0361 (SPA 125).

12-18 ft Above grade pole details for TPM series (direct burial poles also available)

Catalog number	EPA	Weight	Mounting	Length	Gauge	Material	Shape	Shaft size	Color**	Bolt circle	Anchor bolts
RT4801112-BC-BZ	13 Sq. Ft.	234	Above Grade	12 Ft.	11	Steel	Round Tapered	4.8"	Bronze	8	0.75 x 17 x 3
RT6501112-BC-BZ	27 Sq. Ft.	344	Above Grade	12 Ft.	11	Steel	Round Tapered	6.5"	Bronze	9.5	0.75 x 17 x 3
RT7001112-BC-BZ	35 Sq. Ft.	534	Above Grade	12 Ft.	11	Steel	Round Tapered	7.0"	Bronze	10	1 x 36 x 4
RT5401115-BC-BZ	13 Sq. Ft.	234	Above Grade	15 Ft.	11	Steel	Round Tapered	5.4"	Bronze	8	0.75 x 17 x 3
RT6501115-BC-BZ	27 Sq. Ft.	344	Above Grade	15 Ft.	11	Steel	Round Tapered	6.5"	Bronze	9.5	0.75 x 17 x 3
RT7501115-BC-BZ	35 Sq. Ft.	534	Above Grade	15 Ft.	11	Steel	Round Tapered	7.5"	Bronze	10.5	1 x 36 x 4
RT5601118-BC-BZ	13 Sq. Ft.	234	Above Grade	18 Ft.	11	Steel	Round Tapered	5.6"	Bronze	8	0.75 x 17 x 3
RT7001118-BC-BZ	27 Sq. Ft.	344	Above Grade	18 Ft.	11	Steel	Round Tapered	7.0"	Bronze	10	1 x 36 x 4
RT8501118-BC-BZ	35 Sq. Ft.	534	Above Grade	18 Ft.	11	Steel	Round Tapered	8.5"	Bronze	11.5	1 x 36 x 4

For complete specifications on Above Grade and Direct Burial Poles (Pole Shaft, Anchor Bolts, Base Plate, Handhole, and Finish), see current Philips Wide-Lite spec sheet WLSP0358.

ASW LED series

Architectural outdoor - wall & surface mount

- AeroScape LED wall mount series offers two housing sizes and four distribution patterns for illumination flexibility. Low-profile, architectural styled design.
- Achieves superior LED performance, lumen maintenance and system life results
- Can be installed in an inverted position for uplight throw and facade wash
- Philips Dynadimmer control options available for additional energy savings
- 80,000 hour rated system life at 40°C (LED life per L70)

Specifications

Rated system life (LED life per L70): Driver and LED life: 80,000 hrs @ 25°-40°C (77°-104°F)

Housing / construction: Die-cast aluminum housing with corrosion resistant hardware. Optic chamber and separate driver housing constructed to IP65. Die-cast aluminum heatsink allows for long life of LEDs up to 40°C ambient.

Thermal management: IP65 rated thermal Pod frame management system creates a vortex of airflow for pass-through convective cooling and heat extraction.

LED and board array: Small housing:32 Rebel ES LEDs. Large housing: 80 Rebel ES LEDs. Color temperature: Neutral White 4125 K +/- 175K. Metal core printed circuit board. RoHS compliant. See website for LED specs and details.

Driver: High efficiency multi-volt driver (50 or 60 Hz), maintains constant current flow to LEDs to accommodate LED variations. High power factor (>90% standard). Constant current: 350, 530, 700 mA. Voltage: 120-480. Temperature range: -30°C (-22°F) to 40°C (104°F). Open / short circuit protection. RoHS compliant. See website for LED specs and details.

LED Optical system: LED Pod optical assemblies. Type II, III, IV or Wide Throw distribution. Fully gasketed Dust-Tite construction. Employs Philips LEDGINE technology and Rebel ES LEDs.

Mounting: Surface mount standard. Conduit thru wire also available. Can be mounted in an inverted position for uplight component.

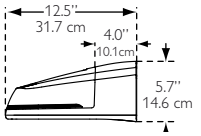
Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TPG = textured Philips gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations. DLC Certified.

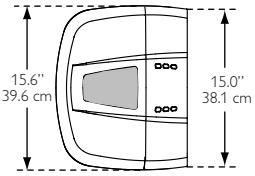
Warranty: Standard 5 Year Limited Warranty.

ASW-32G1 Dimensions

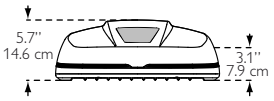
Side view



Top view



End view



Weight: 13.4 lbs 6.1 kgs

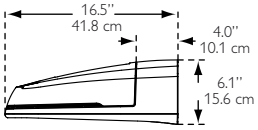
Total system watts	
ASW-32G1 @ 350mA	35 W
ASW-32G1 @ 530mA	51 W
ASW-32G1 @ 700mA	71 W

Note: System wattages may vary +/- 4% due to various forward voltage tolerances and variations in driver efficiency.

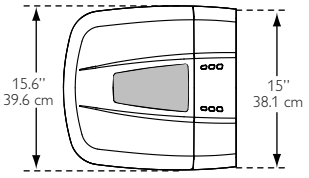
Delivered lumen packages up to 5,000 lms. Download the latest performance and specification sheets at www.wide-lite.com.

ASW-80G1 Dimensions

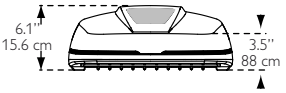
Side view



Top view



End view



Weight: 16.8 lbs 7.6 kgs

Total system watts	
ASW-80G1@530mA	126 W

Note: System wattages may vary +/- 4% due to various forward voltage tolerances and variations in driver efficiency.

Delivered lumen packages up to 10,500 lms. Download the latest performance and specification sheets at www.wide-lite.com.

Ordering guide

ASW - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] [ ]

Series	# of LEDs	Driver	LED Color	Distribution	Voltage	Mounting	Options[4]		Finish	Accessories
ASW	32G1 →	350, 530, 700	NW	2L	120	SM	F1	DD	TSA	F1-KIT
	80G1 →	530		3L	208	TW2[1]	F2	DS25/50/75[3]	TDB	F2-KIT
				4L	240		F3	DM25/50/75[3]	TBK	F3-KIT
				WT	277		PCB	DE25/50/75[3]	TWHT	DYN-KIT1
					347		SG	DCP[3]	TGR	DYN-KIT2
					480		DL		TPG	
					UNV (120-277V)		EBB[2]		TGN	
									RAL(*)	

Notes:
1. 'TW2' option available in Q1, 2012. Contact factory for specifications.
2. 'EBB' option is only available in the 32 LED board array large ASW housing.
3. Dynadimmer options and accessories are only available in 120-277 V.
4. ASW is compatible with a wide range of occupancy sensors, wireless controls and asset management systems (by others).Contact factory for availability.

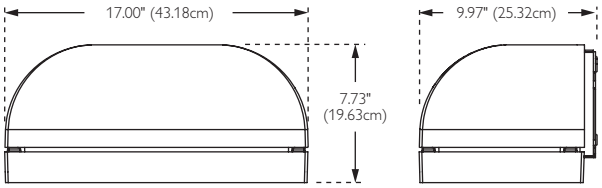
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0345.

GS1 / GS2 / GS3 LED series

Architectural outdoor - wall & surface mount

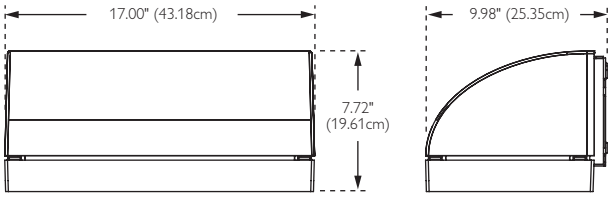
- GeoScapes 1, 2 or 3 LED Series building/surface mounted luminaire
- For schools, malls, office buildings, industrial parks, hospitals, etc.
- Three unique shapes to suit various architectural designs
- High-output LEDs with an average rated life of 60,000 hours
- Individual precision optics for optimum performance
- Die-cast aluminum housing constructed to IP54

GS1 LED Dimensions



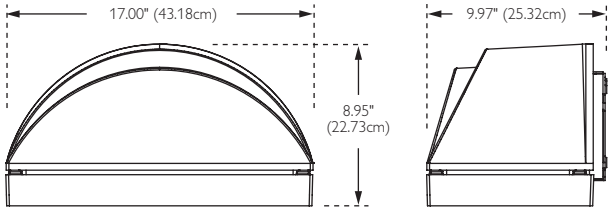
Weight: 28 lbs 12.7 kgs

GS2 LED Dimensions



Weight: 28 lbs 12.7 kgs

GS3 LED Dimensions



Weight: 28 lbs 12.7 kgs

Specifications

Rated Life: 60,000 hours.

Ambient: Functions in environments with temperatures that range from -30˚C to 40˚C.

Construction: Heavy-duty die-cast aluminum housing. Integral cast aluminum heat sink. Fully tempered soda lime glass lens. Constructed to IP54.

Electrical: Electronic class II LED driver accepts 120-277v, 50/60hz input (constant current). 054 LED consumes 95 watts (08 Driver). 054 LED consumes 70 watts (06 Driver). 049 LED consumes 102 watts (08 Driver). 049 LED consumes 72 watts (06 Driver).

LED Optical system: High-output LEDs. Individual precision optics collect and redirect light to optimize performance. LED Optical system individually controls the placement of light in the target area, minimizing glare. LEDs have an average rated life of 60,000 hours (L70).

Mounting: Pre-mountable wall box with integral splice chamber. (No J-Box needed). Built-in bubble level for accuracy. Hands-free fixture to wall positioning for easy wiring.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

LED Technical data: See Philips Wide-Lite spec sheet WLSP0346 for currect technical data.

Listings: UL/cUL 1598 Listed luminaire, suitable for Wet Locations. Not suitable for use in car washes.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

GS			U					
Series	Shape	Driver	Voltage	Finish	Board			Options
GS GeoScapes	**1** Series 1	**08**	**U** 120-277	**TSA**	# of LEDs	LED Color temperature	Optics	**PC** Photocell
	2 Series 2	**06** reduced wattage		**TDB**	**054**	**6K** 054 LED Board only	**H2** Type II	
	3 Series 3			**TBK**	**049**	**4K** 049 LED Board only	**H3** Type III	
				TWHT				
				TGR				
				TGN				
				RAL(*)				

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0346.

Pole-ARSP Series

Poles & brackets

- Round straight aluminum pole

Specifications

All aluminum alloys shall comply with metallurgical and mechanical properties set forth in the Aluminum Association Standards.

Anchor bolts: Each anchor base shall include four steel hot dip galvanized anchor bolts. Each anchor bolt is furnished with two hex nuts and two flat washers.

Anchor base: The anchor base shall be a permanent mold casting from A356 alloy aluminum. The shaft shall be inserted into the base casting and joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base. The assembly shall be heat treated to a T6 temper after all structural welding has been completed. The anchor bolt recesses in the anchor base casting shall be flush covered by four tamper resistant aluminum nut cover disks. See Anchor Base and Bolt Detail.

Pole shaft: The pole shaft shall be extruded from seamless 6000 series alloy aluminum tubing.

Handhole: All cruciform poles shall include a surface-mounted covered handhole centered 18" above the bottom of the pole. The opening shall be rectangular in shape with the major dimensions along the vertical axis. The opening in the poles shall be 2" x 4".

Pole top cap and arm mounting: Cruciform shafts shall be supplied with a top cap when the shafts are to be drilled for side mounting of luminaires. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required. Specify appropriate Drill Template (Y) for intended luminaire mounting type.

Pole top tenon: Aluminum pole top tenons may be specified. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.5" O.D. x 6.0" tall (T3), or 4" O.D. x 6" tall (T4) vertical tubing.

Fastening hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized or zinc plated carbon steel or stainless steel.

Pole Information Chart

Nominal mounting height (ft)	Pole shaft			Max. allowable luminaire weight (lbs)
	Catalog number	Base O.D.	Wall thickness	
10	ARSP10-4-12-XXX-XX	4.00"	0.125"	75
	ARSP10-4.5-12-XXX-XX	4.50"	0.125"	150
	ARSP10-4.5-18-XXX-XX	4.50"	0.188"	150
	ARSP10-5-12-XXX-XX	5.00"	0.125"	150
12	ARSP12-4-12-XXX-XX	4.00"	0.125"	75
	ARSP12-4.5-12-XXX-XX	4.50"	0.125"	75
	ARSP12-4.5-18-XXX-XX	4.50"	0.188"	75
	ARSP12-5-12-XXX-XX	5.00"	0.125"	150
	ARSP12-5-15-XXX-XX	5.00"	0.156"	150
	ARSP12-5-18-XXX-XX	5.00"	0.188"	150
14	ARSP14-4-12-XXX-XX	4.00"	0.125"	150
	ARSP14-4.5-12-XXX-XX	4.50"	0.125"	150
	ARSP14-4.5-18-XXX-XX	4.50"	0.188"	150
	ARSP14-5-12-XXX-XX	5.00"	0.125"	150
	ARSP14-5-15-XXX-XX	5.00"	0.156"	150
	ARSP14-5-18-XXX-XX	5.00"	0.188"	150
16	ARSP16-4-12-XXX-XX	4.00"	0.125"	150
	ARSP16-4.5-12-XXX-XX	4.50"	0.125"	150
	ARSP16-4.5-18-XXX-XX	4.50"	0.188"	150
	ARSP16-5-12-XXX-XX	5.00"	0.125"	150
	ARSP16-5-15-XXX-XX	5.00"	0.156"	150
	ARSP16-5-18-XXX-XX	5.00"	0.188"	150
	ARSP16-6-15-XXX-XX	6.00"	0.156"	150
	ARSP16-6-18-XXX-XX	6.00"	0.188"	150
18	ARSP18-4.5-18-XXX-XX	4.50"	0.188"	150
	ARSP18-5-12-XXX-XX	5.00"	0.125"	150
	ARSP18-5-15-XXX-XX	5.00"	0.156"	150
	ARSP18-5-18-XXX-XX	5.00"	0.188"	150
	ARSP18-6-18-XXX-XX	6.00"	0.188"	150
20	ARSP20-4.5-18-XXX-XX	4.50"	0.188"	150
	ARSP20-5-12-XXX-XX	5.00"	0.125"	150
	ARSP20-5-15-XXX-XX	5.00"	0.156"	150
	ARSP20-5-18-XXX-XX	5.00"	0.188"	150
	ARSP20-6-15-XXX-XX	6.00"	0.156"	150
	ARSP20-6-18-XXX-XX	6.00"	0.188"	150
25	ARSP25-4.5-18-XXX-XX	4.50"	0.188"	150
	ARSP25-6-15-XXX-XX	6.00"	0.156"	150
	ARSP25-6-18-XXX-XX	6.00"	0.188"	150
30	ARSP30-6-18-XXX-XX	6.00	0.188	200

Note

1. Nominal handhole sizes as follows: 4" poles: 2-3/8" x 4-1/2". 4.5", 5", and 6" poles: 3" x 5".
2. Chart shows typical weight and allowable size of luminaires suitable for pole.
3. Pole includes factory installed vibration dampener.
4. Standard colors apply.

See spec sheet WLSP0273 for complete ordering and technical details

Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ]

Series/pole height (ft)		Base	Wall thickness	Finish	Mounting designation options				
ARSP08	ARSP18	4	12 0.125"	SBF	Arm mount configurations				Tenon mount configurations[6]
ARSP10	ARSP20	4.5	15 0.156"	GR	D1-DT(Y) 1 @ 90°		D5-DT(Y) 2 @ 90°		T2 2.375" (2-3/8") O.D. x 4.0" tall tenon
ARSP12	ARSP25	5	18 0.188	SA	D3-DT(Y) 3 @ 120°		D6-DT(Y) 3 @ 90°		T3 3.0" O.D. x 5.625" (5-5/8") tall tenon
ARSP14	ARSP30	6		DB	D4-DT(Y) 4 @ 90°				T4 4.0" O.D. x 5.625" (5-5/8") tall tenon
ARSP16				BLK	(Y = specify drill template)				
				WHT					

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0273.

Pole-ARTP Series

Poles & brackets

- Round tapered aluminum pole

Pole information chart

Nominal mounting height (ft)	Pole shaft					Max. allowable luminaire weight (lbs)
	Catalog number	Pole height	Base O.D.	Top O.D.	Wall thickness	
12	ARTP12-4 -12-XXX-XX	11' 8"	4.00"	3.00"	0.125"	75
	ARTP12-5-12-XXX-XX	11' 8"	5.00"	3.00"	0.125"	75
	ARTP12-5-15-XXX-XX	11' 8"	5.00"	3.00"	0.156"	75
	ARTP12-5-18-XXX-XX	11' 8"	5.00"	3.00"	0.188"	150
14	ARTP14-4-12-XXX-XX	13' 8"	4.00"	3.00"	0.125"	75
	ARTP14-5-12-XXX-XX	13' 8"	5.00"	3.00"	0.125"	75
	ARTP14-5-15-XXX-XX	13' 8"	5.00"	3.00"	0.156"	75
	ARTP14-5-18-XXX-XX	13' 8"	5.00"	3.00	0.188"	150
16	ARTP16-4-12-XXX-XX	15' 8"	4.00"	3.00"	0.125"	75
	ARTP16-5-12-XXX-XX	15' 8"	5.00"	3.00"	0.125"	75
	ARTP16-5-15-XXX-XX	15' 8"	5.00"	3.00"	0.156"	75
	ARTP16-5-18-XXX-XX	15' 8"	5.00"	3.00"	0.188"	150
	ARTP16-6-15-XXX-XX	15' 8"	6.00"	4.00"	0.156"	150
	ARTP16-6-18-XXX-XX	15' 8"	6.00"	4.00"	0.188"	150
18	ARTP18-5-12-XXX-XX	17' 8"	5.00"	3.00"	0.125"	150
	ARTP18-5-15-XXX-XX	17' 8"	5.00"	3.00"	0.156"	150
	ARTP18-5-18-XXX-XX	17' 8"	5.00"	3.00"	0.188"	150
	ARTP18-6-15-XXX-XX	17' 8"	6.00"	4.00"	0.156"	150
	ARTP18-6-18-XXX-XX	17' 8"	6.00"	4.00"	0.188"	150
	ARTP18-7-15-XXX-XX	17' 8"	7.00"	4.00"	0.156"	150
20	ARTP20-5-12-XXX-XX	19' 8"	5.00"	3.00"	0.125"	150
	ARTP20-5-15-XXX-XX	19' 8"	5.00"	3.00"	0.156"	150
	ARTP20-5-18-XXX-XX	19' 8"	5.00"	3.00"	0.188"	150
	ARTP20-6-15-XXX-XX	19' 8"	6.00"	4.00"	0.156"	150
	ARTP20-6-18-XXX-XX	19' 8"	6.00"	4.00"	0.188"	150
	ARTP20-7-15-XXX-XX	19' 8"	7.00"	4.00"	0.156"	150
23	ARTP23-6-15-XXX-XX	22' 8"	6.00"	4.00"	0.156"	150
	ARTP23-6-18-XXX-XX	22' 8"	6.00"	4.00"	0.188"	150
	ARTP23-7-15-XXX-XX	22' 8"	7.00"	4.00"	0.156"	150
	ARTP23-8-15-XXX-XX	22' 8"	8.00"	4.50"	0.156"	150
	ARTP23-8-18-XXX-XX	22' 8"	8.00"	4.50"	0.188"	150
25	ARTP25-6-15-XXX-XX[3]	24' 8"	6.00"	4.00"	0.156"	150
	ARTP25-6-18-XXX-XX	24' 8"	6.00"	4.00"	0.188"	150
	ARTP25-7-15-XXX-XX	24' 8"	7.00"	4.00"	0.156"	150
	ARTP25-8-15-XXX-XX	24' 8"	8.00"	4.50"	0.156"	150
	ARTP25-8-18-XXX-XX	24' 8"	8.00"	4.50"	0.188"	150

Note

1. Nominal handhole sizes as follows: 4" poles: 2-3/8" x 4-1/2"; 5" and 6" poles: 3" x 5". 7", 8"; and 18" poles: 4" x 6".
2. Chart shows allowable weight and size (cumulative EPA) of luminaires (and any brackets) suitable for pole.
3. Pole includes factory installed vibration dampener.
4. Standard colors apply.

Specifications

All aluminum alloys shall comply with metallurgical and mechanical properties set forth in the Aluminum Association Standards.

Anchor: Bolts Each anchor base shall include four steel hot dip galvanized anchor bolts. Each anchor bolt is furnished with two hex nuts and two flat washers.

Anchor base: The anchor base is cast from A356 alloy aluminum. The anchor base casting and shaft shall be joined by a continuous circumferential weld at the inside bottom of the anchor base. The assembly shall be heat treated to a T6 temper after all structural welding has been completed. A356 nut covers shall be included with each anchor base unless otherwise specified. See Anchor Base and Bolt Detail.

Pole shaft: The pole shaft shall be spun tapered from seamless 6063 alloy aluminum and shall be heat treated to produce a T6 temper. Each shaft shall have a minimum 6" long straight section at the top to accommodate the center hub of an appropriate flood light bracket or tapered arm. Alternately, the straight section may be drilled for arm mounted luminaires.

Handhole: All round poles shall include a peripherally reinforced flush covered handhole centered 18" above the bottom of the pole. The opening shall be rectangular in shape with the major dimensions along the vertical axis. The opening in the 4" base diameter poles shall be 2-3/8" x 4-1/2". The opening in the 5" and 6" base diameter poles shall be 3" x 5". The opening in the 7", 8", and 10" base diameter poles shall be 4" x 6". An optional 4" x 8" opening is available for 8" and 10" base diameter poles.

Pole top cap and arm mounting: Round shafts shall be supplied with a top cap when the shafts are to be drilled for side mounting of luminaires. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required. Specify appropriate Drill Template (Y) for intended luminaire mounting type.

Pole top tenon: Aluminum pole top tenons may be specified. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.0" O.D. x 5-5/8" tall (T3), or 4" O.D. x 5-5/8" tall (T4) vertical tubing. Bullhorn accessories are available.

Fastening Hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized or zinc plated carbon steel or stainless steel.

See spec sheet WLSP0274 for complete ordering and technical details

Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ]

Series/pole height (ft)		Base	Wall thickness		Finish	Mounting designation options					
ARTP08	ARTP18	4	12	0.125"	SBF	Arm mount configurations				Tenon mount configurations	
ARTP10	ARTP20	5	15	0.156"	GR	D1-DT(Y)	1 @ 90°	D4-DT(Y)	4 @ 90°	T2	2.375" (2-3/8") O.D. x 4.0" tall tenon
ARTP12	ARTP23	6	18	0.188"	SA	D2-DT(Y)	2 @ 180°	D5-DT(Y)	2 @ 90°	T3	3.0" O.D. x 5.625" (5-5/8") tall tenon
ARTP14	ARTP25	7	25	0.250"	DB	D3-DT(Y)	3 @ 120°	D6-DT(Y)	3 @ 90°	T4	4.0" O.D. x 5.625" (5-5/8") tall tenon
ARTP16	ARTP30	8			BLK		(Y = specify drill template)				
		10			WHT						

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0274.

Pole-ASSP Series

Poles & brackets

- Straight square aluminum pole

Pole information chart

Nominal mounting height (ft)	Pole shaft			Max. allowable luminaire weight (lbs)
	Catalog number	Base O.D.	Wall thickness	
8	ASSP08-4-12-XXX-XX	4.00"	0.125"	350
10	ASSP10-4-12-XXX-XX	4.00"	0.125"	260
12	ASSP12-4-12-XXX-XX	4.00"	0.125"	260
14	ASSP14-4-12-XXX-XX	4.00"	0.125"	200
15	ASSP15-4-12-XXX-XX	4.00"	0.125"	200
16	ASSP16-4-12-XXX-XX	4.00"	0.125"	200
	ASSP16-4-18-XXX-XX	4.00"	0.188"	200
18	ASSP18-4-12-XXX-XX	4.00"	0.125"	100
	ASSP18-4-18-XXX-XX	4.00"	0.188"	150
	ASSP18-5-18-XXX-XX	5.00"	0.188"	260
20	ASSP20-4-12-XXX-XX	4.00"	0.125"	150
	ASSP20-4-18-XXX-XX	4.00"	0.188"	150
	ASSP20-5-18-XXX-XX	5.00"	0.188"	150
	ASSP20-6-18-XXX-XX	6.00"	0.188"	150
	ASSP20-6-25-XXX-XX	6.00"	0.250"	260
25	ASSP25-5-18-XXX-XX	5.00"	0.188"	100
	ASSP25-6-18-XXX-XX	6.00"	0.188"	260
	ASSP25-6-25-XXX-XX	6.00"	0.250"	260
30	ASSP30-6-25-XXX-XX	6.00"	0.250"	260
	ASSP30-6.75-25-XXX-XX	6.75"	0.250"	260
32	ASSP32-6-25-XXX-XX	6.00"	0.250"	150
35	ASSP35-6-25-XXX-XX	6.00"	0.250"	100
	ASSP35-6.75-25-XXX-XX	6.75"	0.250"	150

Note
1. 4" square poles provided with 2" x 4" nominal handhole. 5", 6", and 6.75" square poles provided with 2.5" x 4" nominal handhole.
2. Standard colors apply.

Specifications

All aluminum alloys shall comply with metallurgical and mechanical properties set forth in the Aluminum Association Standards.

Anchor bolts: Each anchor base shall include four steel hot dip galvanized anchor bolts. Each anchor bolt is furnished with two hex nuts and two flat washers.

Anchor base: The anchor base shall be a permanent mold casting from A356 alloy aluminum. The shaft shall be inserted into the base casting and joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base. The assembly shall be heat treated to a T6 temper after all structural welding has been completed. The anchor bolt recesses in the anchor base casting shall be flush covered by four tamper resistant aluminum nut cover disks. See Anchor Base and Bolt Detail.

Pole shaft: The pole shaft shall be extruded from seamless 6000 series alloy aluminum tubing.

Handhole: All square poles shall include a surface-mounted covered handhole centered 18" above the bottom of the pole. The opening shall be rectangular in shape with the major dimensions along the vertical axis. The opening in the 4" square poles shall be 2" x 4". The opening in the 5", 6", and 6.75" square poles shall be 2-1/2" x 4". Consult factory for availability of larger openings.

Pole top cap and arm mounting: Square shafts shall be supplied with a top cap when the shafts are to be drilled for side mounting of luminaires. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required. Specify appropriate Drill Template (Y) for intended luminaire mounting type.

Pole top tenon: Aluminum pole top tenons may be specified. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.0" O.D. x 5-5/8" tall (T3), or 4" O.D. x 5-5/8" tall (T4) vertical tubing. Bullhorn accessories are available.

Fastening hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized or zinc plated carbon steel or stainless steel.

See spec sheet WLSP0272 for complete ordering and technical details

Ordering guide

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Series/pole height (ft)		Base	Wall thickness		Finish	Mounting designation options					
ASSP08	ASSP18	4	12	0.125"	SBF	Arm mount configurations				Tenon mount configurations	
ASSP10	ASSP20	5	18	0.188"	GR	D1-DT(Y)	1 @ 90°	D5-DT(Y)	2 @ 90°	T2	2.375" (2-3/8") O.D. x 4.0" tall tenon
ASSP12	ASSP25	6	25	0.250"	SA	D2-DT(Y)	2 @ 180°	D6-DT(Y)	3 @ 90°	T3	3.0" O.D. x 5.625" (5-5/8") tall tenon
ASSP14	ASSP30	6.75			DB	D4-DT(Y)	4 @ 90°			T4	4.0" O.D. x 5.625" (5-5/8") tall tenon
ASSP16	ASSP35				BLK		(Y = specify drill template)				
					WHT						

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0272.

Pole-ACSP Series

Poles & brackets

- Cruciform straight aluminum pole

Pole information chart

Nominal mounting height (ft)	Pole shaft			Max. allowable luminaire weight (lbs)
	Catalog number	Base O.D.	Wall thickness	
8	ACSP08-4-18-XXX-XX	4.00"	0.188"	350
10	ACSP10-4-18-XXX-XX	4.00"	0.188"	260
12	ACSP12-4-18-XXX-XX	4.00"	0.188"	260
15	ACSP15-4-18-XXX-XX	4.00"	0.188"	200
18	ACSP18-4-18-XXX-XX	4.00"	0.188"	200
	ACSP18-6-18-XXX-XX	6.00"	0.188"	260
20	ACSP20-4-18-XXX-XX	4.00"	0.188"	100
	ACSP20-6-18-XXX-XX	6.00"	0.188"	150
25	ACSP25-6-18-XXX-XX	6.00"	0.188"	150
30	ACSP30-6-18-XXX-XX	6.00"	0.188"	260

Note

1. All ACSP Cruciform Straight Aluminum Poles feature a 2" x 4 nominal handhole.
2. Standard colors apply.

Specifications

All aluminum alloys shall comply with metallurgical and mechanical properties set forth in the Aluminum Association Standards.

Anchor bolts: Each anchor base shall include four steel hot dip galvanized anchor bolts. Each anchor bolt is furnished with two hex nuts and two flat washers.

Anchor base: The anchor base shall be a permanent mold casting from A3v 56 alloy aluminum. The shaft shall be inserted into the base casting and joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base. The assembly shall be heat treated to a T6 temper after all structural welding has been completed. The anchor bolt recesses in the anchor base casting shall be flush covered by four tamper resistant aluminum nut cover disks. See Anchor Base and Bolt Detail.

Pole shaft: The pole shaft shall be extruded from seamless 6000 series alloy aluminum tubing.

Handhole: All cruciform poles shall include a surface-mounted covered handhole centered 18" above the bottom of the pole. The opening shall be rectangular in shape with the major dimensions along the vertical axis. The opening in the poles shall be 2" x 4".

Pole top cap and arm mounting: Cruciform shafts shall be supplied with a top cap when the shafts are to be drilled for side mounting of luminaires. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required. Specify appropriate Drill Template (Y) for intended luminaire mounting type.

Pole top tenon: Aluminum pole top tenons may be specified. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.5" O.D. x 6.0" tall (T3), or 4" O.D. x 6" tall (T4) vertical tubing.

Fastening hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized or zinc plated carbon steel or stainless steel.

See spec sheet WLSP0275 for complete ordering and technical details

Ordering guide

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Series/pole height (ft)		Base	Wall thickness		Finish		Mounting designation options					
ACSP08	8' pole	4	18	0.188"	SBF	Satin brushed finish	Arm mount configurations					Tenon mount configurations
ACSP10	10' pole	6			GR	Gray	D1-DT(Y)	1 @ 90°	D5-DT(Y)	2 @ 90°	T2	2.375" (2-3/8") O.D. x 4.0" tall tenon
ACSP12	12' pole				SA	Satin Aluminum	D2-DT(Y)	2 @ 180°	D6-DT(Y)	3 @ 90°	T3	3.0" O.D. x 5.625" (5-5/8") tall tenon
ACSP15	15' pole				DB	Dark Bronze	D4-DT(Y)	4 @ 90°			T4	4.0" O.D. x 5.625" (5-5/8") tall tenon
ACSP18	18' pole				BLK	Black		(Y = specify drill template)				
ACSP20	20' pole				WHT	White						
ACSP25	25' pole											
ACSP30	30' pole											

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0275.

Pole-RSP Series

Poles & brackets

- Round straight steel pole

Pole information chart

Nominal mounting height (ft)	Pole shaft			
	Catalog number	Pole O.D.	Wall thickness	Structure wt. (lbs)
10	RSP10-3-12-XXX-XX-BC	3.00"	0.120"	55
	RSP10-4-12-XXX-XX-BC	4.00"	0.120"	70
	RSP10-4.5-12-XXX-XX-BC	4.50"	0.120"	75
12	RSP12-3-12-XXX-XX-BC	3.00"	0.120"	60
	RSP12-4-12-XXX-XX-BC	4.00"	0.120"	80
	RSP12-4.5-12-XXX-XX-BC	4.50"	0.120"	85
14	RSP14-3-12-XXX-XX-BC	3.00"	0.120"	70
	RSP14-4-12-XXX-XX-BC	4.00"	0.120"	90
	RSP14-4.5-12-XXX-XX-BC	4.50"	0.120"	95
16	RSP16-3-12-XXX-XX-BC	3.00"	0.120"	80
	RSP16-4-12-XXX-XX-BC	4.00"	0.120"	100
	RSP16-4.5-12-XXX-XX-BC	4.50"	0.120"	105
18	RSP18-3-12-XXX-XX-BC	3.00"	0.120"	90
	RSP18-4-12-XXX-XX-BC	4.00"	0.120"	110
	RSP18-4.5-12-XXX-XX-BC	4.50"	0.120"	115
20	RSP20-3-12-XXX-XX-BC	3.00"	0.120"	100
	RSP20-4-12-XXX-XX-BC	4.00"	0.120"	120
	RSP20-4.5-12-XXX-XX-BC	4.50"	0.120"	130
	RSP20-5-12-XXX-XX-BC	5.00"	0.120"	145
25	RSP25-4-12-XXX-XX-BC	4.00"	0.120"	145
	RSP25-4.5-12-XXX-XX-BC	4.50"	0.120"	155
	RSP25-5-12-XXX-XX-BC	5.00"	0.120"	180
	RSP25-5-18-XXX-XX-BC	5.00"	0.180"	260
30	RSP30-4.5-12-XXX-XX-BC	4.50"	0.120"	185
	RSP30-5-12-XXX-XX-BC	5.00"	0.120"	210
	RSP30-5-18-XXX-XX-BC	5.00"	0.180"	305

Notes

1. All poles utilize 0.75" x 17" x 3" anchor bolts.
2. All poles are provided with 2.5" x 5" nominal handhole.
3. A full base cover is standard and is fabricated from ABS plastic. It is a two-piece cover secured together with two fasteners.
4. The reinforcing handhole rim consists of a nominal 2.5" x 5" rectangular shaped tubing material. The handhole is provided with a steel attachment bar, steel cover, and one round head zinc plated machine screw. The handhole is welded in the pole shaft and is located 1'-0" above the base.
5. Standard colors apply.

Specifications

Anchor bolts: Anchor bolts are fabricated from carbon steel conforming to AASHTO M314 Grade-55 or ASTM F1554 Grade-55. Bolts have an "L" bend on one end and are galvanized a minimum of 12 inches on the threaded end. Four anchor bolts are provided per pole. Each anchor bolt is furnished with two hex nuts and two flat washers.

Anchor base: The anchor base (base plate) is fabricated from structural quality hot rolled carbon steel plate conforming to ASTM A36. The base plate telescopes the pole shaft and is circumferentially welded top and bottom. The base is provided with bolt slots to accommodate a bolt circle range from 7" to 9". See Pole Base and Bolt Circle Detail.

Pole shaft: The pole shaft is fabricated from hot rolled welded steel tubing of one-piece construction with a full length longitudinal high frequency electric resistance weld. The shaft cross section is round with no taper. Shaft material shall have a minimum yield strength of 42,000 psi.

Electrical ground: A nut holder is provided near the handhole & includes a 0.5"-13 UNC hex head bolt & nut.

Pole top cap and arm mounting: A removeable top cap is standard and is used in conjunction with drilled pole shafts for accommodation of a direct mounted luminaire arm attachment. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required. Specify appropriate Drill Template (Y) for intended luminaire mounting type.

Pole top tenon: Optional pole top tenons may be specified and are fabricated from structural quality hot rolled carbon steel with a guaranteed minimum yield strength of 30,000 psi. A pole top plate and tenon of weldable grade hot rolled commercial quality carbon steel is circumferentially welded to the top of the pole shaft. This plate provides an internal weather resistant wiring raceway into the pole top tenon. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.0" O.D. x 5-5/8" tall (T3), or 4" O.D. x 5-5/8" tall (T4) vertical pipe tenon. Bullhorn accessories are available.

Fastening hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized/zinc plated carbon steel or stainless steel.

See spec sheet WLSP0270 for complete ordering and technical details

Ordering guide

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Series/pole height (ft)		Base	Wall thickness		Finish	Mounting designation options					
						Arm mount configurations				Tenon mount configurations	
RSP10	RSP18	3	12	0.125"	GV						
RSP12	RSP20	4	18	0.180"	GR	D1-DT(Y)	1 @ 90°	D4-DT(Y)	4 @ 90°	T2	2.375" (2-3/8") O.D. x 4.0" tall tenon
RSP14	RSP25	4.5			SA	D2-DT(Y)	2 @ 180°	D5-DT(Y)	2 @ 90°	T3	3.0" O.D. x 5.625" (5-5/8") tall tenon
RSP16	RSP30	5			DB	D3-DT(Y)	3 @ 120°	D6-DT(Y)	3 @ 90°	T4	4.0" O.D. x 5.625" (5-5/8") tall tenon
					BLK	(Y = specify drill template)					
					WHT						

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0270.

Pole-SSP Series

Poles & brackets

- Straight square steel pole

Pole information chart

Nominal mounting height (ft)	Pole shaft				Pole base			
	Catalog number	Base O.D.	Wall thickness (ga)	Struct. weight (lbs)	Bolt circle dia.	±	Square	Thk.
10	SSP10-4-11 -XXX-XX-BC	4.00"	11	75	8.5"	0.5"	8.25"	0.75"
12	SSP12-4-11 -XXX-XX-BC	4.00"	11	90	8.5"	0.5"	8.25"	0.75"
14	SSP14-4-11 -XXX-XX-BC	4.00"	11	100	8.5"	0.5"	8.25"	0.75"
16	SSP16-4-11-XXX-XX-BC	4.00"	11	115	8.5"	0.5"	8.25"	0.75"
18	SSP18-4-11-XXX-XX-BC	4.00"	11	125	8.5"	0.5"	8.25"	0.75"
20	SSP20-4-11-XXX-XX-BC	4.00"	11	140	8.5"	0.5"	8.25"	0.75"
	SSP20-5-11-XXX-XX-BC	5.00"	11	185	11.0"	1.0"	11.00"	1.00"
	SSP20-5-7-XXX-XX-BC	5.00"	7	265	11.0"	1.0"	11.00"	1.00"
25	SSP25-4-11-XXX-XX-BC	4.00"	11	170	8.5"	0.5"	8.25"	0.75"
	SSP25-4-7 -XXX-XX-BC	4.00"	7	245	8.5"	0.5"	8.25"	0.88"
	SSP25-5-11-XXX-XX-BC	5.00"	11	225	11.0"	1.0"	11.00"	1.00"
	SSP25-5-7-XXX-XX-BC	5.00"	7	360	11.0"	1.0"	11.00"	1.00"
30	SSP30-4-7-XXX-XX-BC	4.00"	7	291	8.5"	0.5"	8.25"	0.75"
	SSP30-5-11-XXX-XX-BC	5.00"	11	265	11.0"	1.0"	11.00"	1.00"
	SSP30-5-7-XXX-XX-BC	5.00"	7	380	11.0"	1.0"	11.00"	1.00"
	SSP30-6-7-XXX-XX-BC	6.00"	7	520	12.0"	1.0"	12.50"	1.00"
35	SSP35-5-7-XXX-XX-BC	5.00"	7	440	11.0"	1.0"	11.00"	1.00"
	SSP35-6-7-XXX-XX-BC	6.00"	7	540	12.0"	1.0"	12.50"	1.00
40	SSP40-6-7-XXX-XX-BC	6.00"	7	605	12.0"	1.0"	12.50"	1.00"

Notes

1. Poles provided with 2.5" x 5" nominal handhole.
2. Structure weight is a nominal value which includes the pole shaft and base plate only.
3. Electrical Ground: A nut holder is provided near the handhole and includes a 0.5"-13 UNC hex head bolt and nut.
4. Nut Covers: Nut covers for anchor bolts are standard and are zinc die cast. Each cover is fastened to the shaft by a 0.25" stainless steel, self-tapping, hex head screw.
5. The reinforcing handhole rim consists of a rectangular shaped tubing material having a nominal 2.5" x 5" opening. It is provided with a steel attachment bar, steel cover, and one round head machine screw. The handhole is welded in the pole shaft and is located 1'-6" above the base.
6. Please see product spec sheet for anchor bolt specifications.
7. Standard colors apply.

Specifications

Pole shaft: The pole shaft is fabricated from weldable grade hot rolled commercial quality carbon steel and is supplied in 11 gauge (0.1196") or 7 gauge (0.1793") material thickness having a guaranteed minimum yield strength of 55,000 psi. Shafts are of one-piece construction with a full length longitudinal high frequency electric resistance weld. The shaft is uniformly square in cross section with flat sides, rounded corners (.75" per corner), and no taper.

Fatigue resistant feature: The unique bell-shaped base minimizes the effects of pole vibration by improving the fatigue performance of the shaft to base plate connection. Square poles, by the very nature of their shape, are more susceptible to fatigue at this critical joint than other pole designs. By flaring out the shaft and creating a round section at this critical welded connection point, the stress and resulting fatigue occurring at this point is more evenly distributed, thus enhancing the structure's longevity and overall performance.

Pole top cap and arm mounting: A removeable top cap is standard and is used in conjunction with drilled pole shafts for accommodation of a direct mounted luminaire arm attachment. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required. Specify appropriate Drill Template (Y) for intended luminaire mounting type.

Pole top tenon: Pole top tenons are standard and are fabricated from structural quality hot rolled carbon steel with a guaranteed minimum yield strength of 30,000 psi. A pole top plate and tenon of weldable grade hot rolled commercial quality carbon steel is circumferentially welded to the top of the pole shaft. This plate provides an internal weather resistant wiring raceway into the pole top tenon. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.0" O.D. x 5-5/8" tall (T3), or 4" O.D. x 5-5/8" tall (T4) vertical pipe tenon. Bullhorn accessories are available.

Fastening hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized or zinc plated carbon steel or stainless steel.

See spec sheet WLSP0268 for complete ordering and technical details

Ordering guide

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Series/pole height (ft)		Base	Gauge	Finish	Mounting designation options				
					Arm mount configurations				Tenon mount configurations
SSP10	SSP20	4	11	GV	D1-DT(Y)	1 @ 90°	D4-DT(Y)	4 @ 90°	T2 2.375" (2-3/8") O.D. x 4.0" tall tenon
SSP12	SSP25	5	7	GR	D2-DT(Y)	2 @ 180°	D5-DT(Y)	2 @ 90°	T3 3.0" O.D. x 5.625" (5-5/8") tall tenon
SSP14	SSP30	6		SA			D6-DT(Y)	3 @ 90°	T4 4.0" O.D. x 5.625" (5-5/8") tall tenon
SSP16	SSP35			DB					
SSP18	SSP40			BLK					
				WHT					

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0268.

Pole-TSP Series

Poles & brackets

- Tapered square steel pole

Pole information chart

Nominal mounting height (ft)	Pole shaft					Pole base			
	Catalog number	Base O.D	Top O.D.	Wall thickness (ga)	Struct. weight (lbs)	Bolt circle dia.	±	Square	Thk.
20	TSP20-5.25-11-XXX-XX-BC[3]	5.25"	3.05"	11	155	10.75"	N/A	10.75"	0.75"
	TSP20-5.50-7-XXX-XX-BC[3]	5.50"	3.30"	7	235	11.00"	N/A	11.00"	1.00"
25	TSP25-6.00-11-XXX-XX-BC[3]	6.00"	3.25"	11	205	12.00"	N/A	11.50"	0.88"
	TSP25-6.41-7-XXX-XX-BC	6.41"	3.66"	7	310	12.50"	N/A	11.88"	1.25"
30	TSP30-6.41-11-XXX-XX-BC	6.41"	3.11"	11	260	12.50"	N/A	11.88"	0.88"
	TSP30-6.41-7-XXX-XX-BC	6.41"	3.11"	7	375	12.50"	N/A	11.88"	1.25"
	TSP30-7.13-7-XXX-XX-BC	7.13"	3.83"	7	431	13.50"	N/A	12.63"	1.25"
35	TSP35-6.81-11-XXX-XX-BC	6.81"	2.96"	11	305	13.00"	N/A	12.25"	0.88"
	TSP35-7.13-7-XXX-XX-BC	7.13"	3.28"	7	475	13.50"	N/A	12.63"	1.25"
	TSP35-7.88-7-XXX-XX-BC	7.88"	4.03"	7	540	14.50"	N/A	13.38"	1.25"
39	TSP39-7.18-11-XXX-XX-BC	7.18"	2.92"	11	345	13.50"	N/A	12.63"	0.88"
	TSP39-7.13-7-XXX-XX-BC	7.13"	2.87"	7	500	13.50"	N/A	12.63"	1.25"
	TSP39-8.75-7-XXX-XX-BC	8.75"	4.49"	7	670	15.75"	N/A	14.25"	1.50"
45	TSP45-7.88-7-XXX-XX-BC	7.88"	2.93"	7	620	14.50"	N/A	13.38"	1.25"
	TSP45-8.75-7-XXX-XX-BC	8.75"	3.80"	7	730	15.75"	N/A	14.25"	1.50"
50	TSP50-8.81-7-XXX-XX-BC	8.81"	3.31"	7	780	16.00"	N/A	15.50"	1.025"

Notes

1. Structure weight is a nominal value which includes the poleshaft and base plate only.
2. The pole base is provided with bolt holes 0.25" larger than the anchor bolt diameter.
3. Poles provided with 3" x 5" nominal handhole; all others 4" x 6.5" nominal.
4. Please see product spec sheet for anchor bolt specifications.
5. Standard colors apply.

Specifications

Pole shaft: The pole shaft conforms to ASTM A595 Grade-A and is supplied in 11 gauge (0.1196") or 7 gauge (0.1793") thickness. Shafts are one-piece construction, with a full length longitudinal high frequency electric resistance weld. The shaft is square in cross section having flat sides, radiused corners, and a uniform taper of approximately 0.11 inches per foot of length.

Handhole: The reinforcing handhole rim shall consist of either a nominal 3" x 5" rectangular shaped tubing, or 4" x 6.5" oval shaped pipe material. The 3" x 5" handhole is provided witht a steel attachment bar, steel cover, and one round head machine screw. The 4" x 6.5" handhole includes two tabs for mounting a steel cover with hex head attachment screws. Both handhole types are welded in the pole shaft and are located 1'-6" above the base.

Electrical ground: A nut holder is provided near the handhole & includes a 0.5"-13 UNC hex head bolt & nut.

Full base cover: A full base cover is standard and is fabricated from either ABS plastic or steel. Both steel and plastic covers are a two-piece assembly secured together with two fasteners.

Pole top tenon: Pole top tenons are standard and are fabricated from structural quality hot rolled carbon steel with a guaranteed minimum yield strength of 30,000 psi. A pole top plate and tenon of weldable grade hot rolled commercial quality carbon steel is circumferentially welded to the top of the pole shaft. This plate provides an internal weather resistant wiring raceway into the pole top tenon. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.0" O.D. x 5-5/8" tall (T3), or 4" O.D. x 5-5/8" tall (T4) vertical pipe tenon. Bullhorn accessories are available.

Pole top cap and arm mounting: An optional removeable top cap is available to be used in conjunction with drilled pole shafts for accommodation of a direct mounted luminaire arm attachment. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required. Specify appropriate Drill Template (Y) for intended luminaire mounting type.

Fastening hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized/zinc plated carbon steel or stainless steel.

See spec sheet WLSP0269 for complete ordering and technical details

Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ]

Series/pole height (ft)		Base		Gauge	Finish	Mounting designation options					
TSP20	TSP39	5.25	7.13	11	GV	Arm mount configurations				Tenon mount configurations	
TSP25	TSP45	5.50	7.18	7	GR	D1-DT(Y)	1 @ 90°	D5-DT(Y)	2 @ 90°	T2	2.375" (2-3/8") O.D. x 4.0" tall tenon
TSP30	TSP50	6.00	7.88		SA	D2-DT(Y)	2 @ 180°	D6-DT(Y)	3 @ 90°	T3	3.0" O.D. x 5.625" (5-5/8") tall tenon
TSP35		6.41	8.75		DB	D4-DT(Y)	4 @ 90°			T4	4.0" O.D. x 5.625" (5-5/8") tall tenon
		6.81	8.81		BLK		(Y = specify drill template)				
					WHT						

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0269

Pole-RTSP Series

Poles & brackets

- Round tapered steel pole

Pole information chart

Nominal mounting height (ft)	Pole shaft					Pole base			
	Catalog number	Base O.D.	Top O.D.	Wall thickness (ga)	Struct. weight (lbs)	Bolt circle dia.	±	Square	Thk.
20	RTSP20-5.9-11-XXX-XX-XX	5.9"	3.1"	11	140	9.0"	0.5"	10.00"	0.88"
	RTSP20-6.5-11-XXX-XX-XX	6.5"	3.7"	11	160	9.5"	0.5"	10.50"	0.88"
25	RTSP25-5.9-11-XXX-XX-XX	5.9"	2.4"	11	155	9.0"	0.5"	10.00"	0.88"
	RTSP25-7.0-11-XXX-XX-XX	7.0"	3.5"	11	200	10.0"	0.5"	10.88"	0.88"
	RTSP25-7.0-7-XXX-XX-XX	6.5"	3.5"	7	280	10.0"	0.5"	10.88"	1.00"
30	RTSP30-6.6-11-XXX-XX-XX	6.6"	2.4"	11	200	9.5"	0.5"	10.50"	0.88"
	RTSP30-8.0-11-XXX-XX-XX	8.0"	3.8"	11	265	11.0"	0.5"	11.50"	0.88"
	RTSP30-8.0-7-XXX-XX-XX	8.0	3.8"	7	380	11.0"	0.5"	11.50"	1.25"
35	RTSP35-7.3-11-XXX-XX-XX	7.3"	2.4"	11	250	10.5"	0.5"	11.25"	0.88"
	RTSP35-8.5-11-XXX-XX-XX	8.5"	3.6"	11	315	11.5"	0.5"	12.00"	1.00"
	RTSP35-9.5-11-XXX-XX-XX	9.5"	4.6"	11	370	13.0"	0.5"	13.00"	1.00"
39	RTSP39-7.8-11-XXX-XX-XX	7.8"	2.4"	11	285	11.0"	0.5"	11.50"	0.88"
	RTSP39-9.0-11-XXX-XX-XX	9.0"	3.6"	11	355	12.5"	0.5	12.38"	1.00"
	RTSP39-9.0-7-XXX-XX-XX	9.0"	3.6"	7	515	12.5"	0.5"	12.38"	1.25"
45	RTSP45-10.0-11-XXX-XX-XX	10.0	3.7"	11	450	13.5"	0.5"	14.00"	1.00"
	RTSP45-10.0-11-XXX-XX-XX	10.0"	3.7"	7	650	13.5"	0.5"	14.00"	1.25"
	RTSP45-11.0-7-XXX-XX-XX	11.0"	4.7"	7	780	15.0"	0.5"	16.50"	1.50"
50	RTSP50-10.0-11-XXX-XX-XX	10.0"	3.0"	11	475	13.5"	0.5"	14.00"	1.00"
	RTSP50-10.0-7-XXX-XX-XX	10.0"	3.0"	7	680	13.5"	0.5"	14.00"	1.25"
	RTSP50-11.0-7-XXX-XX-XX	11.0"	4.0"	7	812	15.0"	0.5"	16.50"	1.50"
	RTSP50-13.0-7-XXX-XX-XX	13.0"	6.0"	7	1020	17.0"	N/A	18.00"	1.50"
	RTSP50-13.0-3-XXX-XX-XX	13.0"	6.0"	3	1335	17.5"	N/A	18.50"	1.75"
55	RTSP55-11.0-7/11-XXX-XX-XX	11.0"	3.5"	7/11	890	15.0"	0.5"	16.50"	1.50"
	RTSP55-12.0-7/11-XXX-XX-XX	12.0"	4.5"	7/11	975	16.0"	N/A	17.00"	1.50"
	RTSP55-12.5-5/7-XXX-XX-XX	12.5"	5.2"	5/7	1225	16.5"	N/A	17.50"	1.50"

Notes

1. Structure weight is a nominal value which includes the pole shaft and base plate only.
2. Designs showing two shaft gauges indicates structure is provided as a two-piece, field-assembled unit. Heavier gauge is the bottom section.
3. Poles provided with 3" x 5" nominal handhole; all others 4" x 6.5" nominal.
4. Can go up to 70'. See spec sheet
5. Please see product spec sheet for anchor bolt specifications.
6. Standard colors apply.

Specifications

Pole shaft: The pole shaft conforms to ASTM A595 Grade-A and is supplied in 11 gauge (0.1196"), 7 gauge (0.1793"), 5 gauge (0.20292"), or 3 gauge (0.2391") thickness. Shafts are of either one-piece or two-piece construction, with a full length longitudinal high frequency electric resistance weld. The shaft is round in cross section having a uniform taper of approximately 0.14 inches per foot of length.

Handhole: The reinforcing handhole rim shall consist of either a nominal 3" x 5" rectangular shaped tubing, or 4" x 6.5" oval shaped pipe material. The 3" x 5" handhole is provided witht a steel attachment bar, steel cover, and one round head machine screw. The 4" x 6.5" handhole includes two tabs for mounting a steel cover with hex head attachment screws. Both handhole types are welded in the pole shaft and are located 1'-6" above the base.

Electrical ground: A nut holder is provided near the handhole and includes a 0.5"-13 UNC hex head bolt and nut.

Nut covers: Nut covers for anchor bolts are standard and are zinc die cast. Each cover is fastened to the shaft by a 0.25" stainless steel, self-tapping, hex head screw.

Pole top tenon: Pole top tenons are standard and are fabricated from structural quality hot rolled carbon steel with a guaranteed minimum yield strength of 30,000 psi. A pole top plate and tenon of weldable grade hot rolled commercial quality carbon steel is circumferentially welded to the top of the pole shaft. This plate provides an internal weather resistant wiring raceway into the pole top tenon. Standard tenon sizes are 2-3/8" O.D. x 4" tall (T2), 3.0" O.D. x 5-5/8" tall (T3), or 4" O.D. x 5-5/8" tall (T4) vertical pipe tenon.

Pole top cap and arm mounting: An optional removeable top cap is available to be used in conjunction with drilled pole shafts for accommodation of a direct mounted luminaire arm attachment. Specify choice of drill mounting (D1 through D6) for luminaire arm mounting configuration required.

Fastening hardware: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized/zinc plated carbon steel or stainless steel.

See spec sheet WLSP0271 for complete ordering and technical details

Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ]

Series/pole height (ft)		Base		Gauge	Finish	Mounting designation options					
RTSP20	RTSP50	5.9	9.0	11	GV	Arm mount configurations				Tenon mount configurations	
RTSP25	RTSP55	6.5	9.5	7	GR	D1-DT(Y)	1 @ 90°	D4-DT(Y)	4 @ 90°	T2	2.375" (2-3/8") O.D. x 4.0" tall tenon
RTSP30	RTSP60	6.6	10.0	3	SA	D2-DT(Y)	2 @ 180°	D5-DT(Y)	2 @ 90°	T3	3.0" O.D. x 5.625" (5-5/8") tall tenon
RTSP35	RTSP65	7.0	11.0	7/11	DB	D3-DT(Y)	3 @ 120°	D6-DT(Y)	3 @ 90°	T4	4.0" O.D. x 5.625" (5-5/8") tall tenon
RTSP39	RTSP70	7.3	12.0	5/7	BLK					PL	2.375" (2-3/8") O.D. plain top
RTSP45		7.8	12.5	7/7	WHT						
		8.0	13.0								
		8.5									

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0271.

GS1 Low Wattage

GS1 High Wattage

GS1 series

Architectural outdoor - wall & surface mount

- GeoScapes 1 Series architectural wall mount accent luminaire
- Suitable for schools, malls, office buildings, industrial parks, hospitals, etc.
- Type 1, 2, 3, or 4 distributions, direct or indirect mount
- Low wattage: 50-200 W HID and 26-3X42 W CF sources
- High wattage: 250-400 W HID sources
- Heavy-duty die-cast aluminum housing constructed to IP54

Specifications

Construction: Heavy duty die cast aluminum housing and hinged door. Stainless steel Torx head T25 tamperproof hardware. Constructed to IP54.

Electrical: Core/coil HID CWA or HX/HPF Class H (180˚C) ballasts. Spring-loaded 4 kV pulse rated HID socket-medium base. Electronic HPF 4-pin PLT ballasts: >.95pf, <10% THD. Hinged ballast tray with handle. Starting temperature: LX (HPS): -40˚F/-40˚C, PMA (PSMH): -20˚F/-30˚C. Contact factory for integral CF battery backup ** (low wattage units only).

Optics: Meets IESNA full cutoff requirements on all distributions. Formed and polished and/or segmented specular aluminum reflectors. TruForm prismatic glass or tempered flat glass lens. Type 1, 2, 3, or 4 distributions.

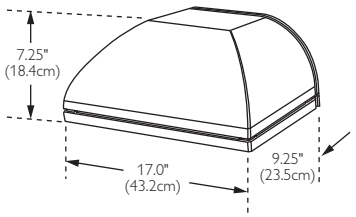
Mounting: Direct or indirect orientation / interior or exterior. Pre-mountable wall box with integral splice chamber. (No J-Box needed). Built-in bubble level for mounting. Hands-free fixture to wall positioning for wiring.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL listed luminaire suitable for wet locations., for direct or indirect mounting.

Warranty: Standard 5 Year Limited Warranty.

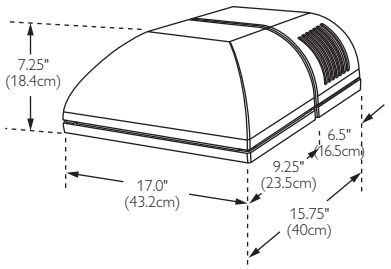
GS1 Low wattage dimensions



Weight: 15 lbs 6.8 kgs

Note: Extender box option 'EX' available. Allows the size and appearance of lower wattage units to match that of the higher wattage units.

GS1 High wattage dimensions



Weight: 28 lbs 12.7 kgs

Notes
1. CF Units available in Type 3 only.
2. Low wattage, CF units only.
3. Low wattage units only.

Ordering guide

GS1								-		
Series	Orientation	Wattage			Distribution	Source	Lamp	Options		Voltage	Accessories
GS1	D Down (direct)	Low Wattage		High Wattage	1 Very Wide Throw	PMA PSMH	L Lamp included and installed	EX[3]	Extender box	1 120	GSVL
		PSMH	CF[1]	PSMH		LX HPS		F	120/277 V fusing	2 208	vandal lens 175 W max
	U Up (indirect)	5 50	26 26	25 250	2 Wide Throw	HF[1] CF (PLT)		G	208/240/480 V fusing	3 240	
		7 70	226 2X26	32 320				PCB	Photocell Button	4 277	SC(F)
		10 100	326 3X26	35 350	3 Medium Throw			Q	Quartz Restrike	6 120/277	
		15 150	32 32	40 400				EXBP[2]	EM Battery Pack	8 120-277	
		HPS	232 2X32		4 Forward Throw			EXB4CF[2]	Cold EM Battery Pack		
		5 50	332 3X32	HPS				Finish			
		7 70	42 42	25 250				TSA			
		10 100	242 2X42	40 400				TDB			
		15 150	342 3X42					TBK			
			Note: CF units only available with Type 3					TWHT			
								TGR			
								TGN			
								RAL(*)			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0364.

GS1A series

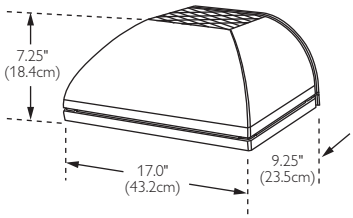
Architectural outdoor - wall & surface mount

- GeoScapes 1A Series architectural wall mount accent luminaire
- Suitable for schools, malls, office buildings, industrial parks, hospitals, etc.
- Type 3 distribution with 3% uplight, direct or indirect mount
- Low wattage: 50-200 W HID
- High wattage: 250-400 W HID sources
- Heavy-duty die-cast aluminum housing constructed to IP54

GS1A Low Wattage

GS1A High Wattage

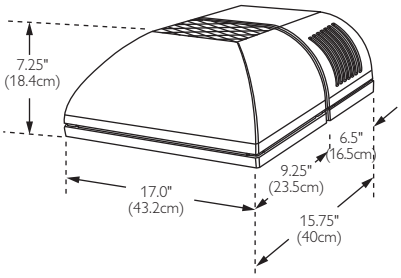
GS1A Low wattage dimensions



Weight: 15 lbs 6.8 kgs

Note: Extender box option 'EX' available. Allows the size and appearance of lower wattage units to match that of the higher wattage units.

GS1A High wattage dimensions



Weight: 28 lbs 12.7 kgs

Notes
1.Low wattage units only.

Specifications

Construction: Heavy duty die cast aluminum housing and hinged door. Stainless steel Torx head T25 tamperproof hardware. Constructed to IP54.

Electrical: Core/coil HID CWA or HX/HPF Class H (180˚C) ballasts. Spring-loaded 4 kV pulse rated HID socket-medium base. Hinged ballast tray with handle. Starting temperature: LX (HPS): -40˚F/-40˚C, PMA (PSMH): -20˚F/-30˚C.

Optics: Meets IESNA full cutoff requirements on all distributions. Formed and polished and/or segmented specular aluminum reflectors. TruForm prismatic glass or tempered flat glass lens. Type 3 distribution with 3% uplight.

Mounting: Direct or indirect orientation / interior or exterior. Pre-mountable wall box with integral splice chamber. (No J-Box needed). Built-in bubble level for mounting. Hands-free fixture to wall positioning for wiring.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL listed luminaire, suitable for wet locations, for direct or indirect mounting.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

GS1A			3				-	
Series	Orientation	Wattage	Distribution	Source	Lamp	Options	Voltage	Accessories
GS1A	D Down (direct)	Low Wattage PSMH / High Wattage PSMH	3 Medium Throw with 3% uplight	PMA PSMH	L Lamp included and installed	EX[1] Extender box	1 120	GSVL
				LX HPS		F 120/277 V fusing	4 277	vandal lens 175 W max
	U Up (indirect)	5 50 / 25 250				G 208/240 V fusing	6 120/277	
		7 70 / 32 320				PCB Photocell Button		SC(F)
		10 100 / 35 350				Q Quartz Restrike		
		15 150 / 40 400						
		HPS				Finish		
		5 50 / HPS				TSA		
		7 70 / 25 250				TDB		
		10 100 / 40 400				TBK		
		15 150				TWHT		
						TGR		
						TGN		
						RAL(*)		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0348.

GS2 Low Wattage

GS2 High Wattage

GS2 series

Architectural outdoor - wall & surface mount

- GeoScapes 2 Series architectural wall mount accent luminaire
- Suitable for schools, malls, office buildings, industrial parks, hospitals, etc.
- Type 1, 2, 3, or 4 distributions, direct or indirect mount
- Low wattage: 50-200 W HID, 26-3X42 W CF, and 200 W incandescent sources
- High wattage: 250-400 W HID sources
- Heavy-duty die-cast aluminum housing constructed to IP54

Specifications

Construction: Heavy duty die cast aluminum housing and hinged door. Stainless steel Torx head T25 tamperproof hardware. Constructed to IP54.

Electrical: Core/coil HID CWA or HX/HPF Class H (180˚C) ballasts. Spring-loaded 4 kV pulse rated HID socket-medium base. Electronic HPF 4-pin PLT ballasts: >.95pf, <10% THD. Hinged ballast tray with handle. Starting temperature: LX (HPS): -40˚F/-40˚C, PMA (PSMH): -20˚F/-30˚C. Contact factory for integral CF battery backup ** (low wattage units only).

Optics: Meets IESNA full cutoff requirements on all distributions. Formed and polished and/or segmented specular aluminum reflectors. TruForm prismatic glass or tempered flat glass lens. Type 1, 2, 3, or 4 distributions.

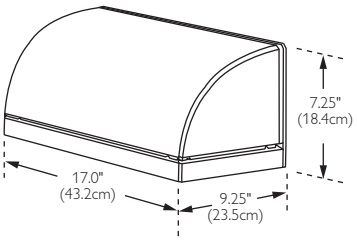
Mounting: Direct or indirect orientation / interior or exterior. Pre-mountable wall box with integral splice chamber. (No J-Box needed). Built-in bubble level for mounting. Hands-free fixture to wall positioning for wiring.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL listed, suitable for wet locations, for direct or indirect mounting.

Warranty: Standard 5 Year Limited Warranty.

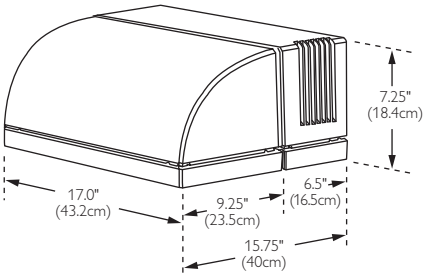
GS2 Low wattage dimensions



Weight: 15 lbs 6.8 kgs

Note: Extender box option 'EX' available. Allows the size and appearance of lower wattage units to match that of the higher wattage units.

GS2 High wattage dimensions



Weight: 28 lbs 12.7 kgs

Notes
1. CF Units available in Type 3 only.
2. Low wattage, CF units only.
3. Low wattage units only.

Ordering guide

GS2 [ ] [ ] [ ] [ ] [ ] [ ] [ ] - [ ] [ ]

Series	Orientation	Wattage			Distribution	Source	Lamp	Options		Voltage	Accessories
GS2	D Down (direct)	Low Wattage PSMH	Low Wattage CF[1]	High Wattage PSMH	1 Very Wide Throw	PMA PSMH	L Lamp included and installed	EX[3]	Extender box	1 120	GSVL
						LX HPS		F	120/277 V fusing	4 277	vandal lens 175 W max
	U Up (indirect)	5 50	26 26	25 250	2 Wide Throw	HF[1] CF (PLT)		G	208/240 V fusing	6 120/277	
		7 70	226 2X26	32 320				PCB	Photocell Button		SC(F)
		10 100	326 3X26	35 350	3 Medium Throw			Q	Quartz Restrike		
		15 150	32 32	40 400				EXBP[2]	EM Battery Pack		
		HPS	232 2X32		4 Forward Throw			EXB4CF[2]	Cold EM Battery Pack		
		5 50	332 3X32	HPS				Finish			
		7 70	42 42	25 250				TSA			
		10 100	242 2X42	40 400				TDB			
		15 150	342 3X42					TBK			
			Note: CF units only available with Type 3					TWHT			
								TGR			
								TGN			
								RAL(*)			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0365.

GS3 series

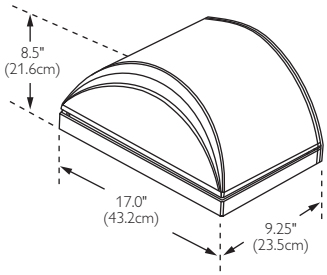
Architectural outdoor - wall & surface mount

- GeoScapes 3 Series architectural wall mount accent luminaire
- Suitable for schools, malls, office buildings, industrial parks, hospitals, etc.
- Type 1, 2, 3, or 4 distributions, direct or indirect mount
- Low wattage: 50-200 W HID, 26-3X42 W CF, and 200 W incandescent sources
- High wattage: 250-400 W HID sources
- Heavy-duty die-cast aluminum housing constructed to IP54

GS3 Low wattage

GS3 High wattage

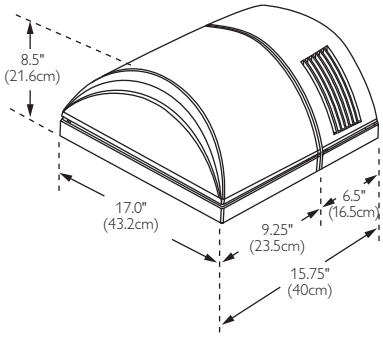
GS3 Low wattage dimensions



Weight: 15 lbs 6.8 kgs

Note: Extender box option 'EX' available. Allows the size and appearance of lower wattage units to match that of the higher wattage units.

GS3 High wattage dimensions



Weight: 28 lbs 12.7 kgs

Notes
1. CF Units available in Type 3 only.
2. Low wattage, CF units only.
3. Low wattage units only.

Specifications

Construction: Heavy duty die cast aluminum housing and hinged door. Stainless steel Torx head T25 tamperproof hardware. Constructed to IP54.

Electrical: Core/coil HID CWA or HX/HPF Class H (180˚C) ballasts. Spring-loaded 4 kV pulse rated HID socket-medium base. Electronic HPF 4-pin PLT ballasts: >.95pf, <10% THD. Hinged ballast tray with handle. Starting temperature: LX (HPS): -40˚F/-40˚C, PMA (PSMH): -20˚F/-30˚C. Contact factory for integral CF battery backup ** (low wattage units only).

Optics: Meets IESNA full cutoff requirements on all distributions. Formed and polished and/or segmented specular aluminum reflectors. TruForm prismatic glass or tempered flat glass lens. Type 1, 2, 3, or 4 distributions.

Mounting: Direct or indirect orientation / interior or exterior. Pre-mountable wall box with integral splice chamber. (No J-Box needed). Built-in bubble level for mounting. Hands-free fixture to wall positioning for wiring.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL listed, suitable for wet locations., for direct or indirect mounting.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

Series	Orientation	Wattage						Distribution	Source		Lamp	Options		Voltage	Accessories
GS3	D Down (direct)	Low Wattage				High Wattage		1 Very Wide Throw	PMA	PSMH	L Lamp included and installed	EX[3]	Extender box	1 120	GSVL
		PSMH		CF[1]		PSMH			LX	HPS		F	120/277 V fusing	2 208	vandal lens 175 W max
	U Up (indirect)	5	50	26	26	25	250	2 Wide Throw	HF[1]	CF (PLT)		G	208/240 V fusing	3 240	
		7	70	226	2X26	32	320					PCB	Photocell Button	4 277	SC(F)
		10	100	326	3X26	35	350	3 Medium Throw				Q	Quartz Restrike	6 120/277	
		15	150	32	32	40	400					EXBP[2]	EM Battery Pack	8 120-277	
		HPS		232	2X32			4 Forward Throw				EXB4CF[2]	Cold EM Battery Pack		
		5	50	332	3X32	HPS						Finish			
		7	70	42	42	25	250					TSA			
		10	100	242	2X42	40	400					TDB			
		15	150	342	3X42							TBK			
		Note: CF units only available with Type 3										TWHT			
												TGR			
												TGN			
												RAL(*)			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0366.

AWS1 series

Architectural outdoor - wall & surface mount

- AWS1 (wedge shape) architectural wall sconce series
- 50-150 W HID and 26-2x42 W Compact Fluorescent
- Emergency battery backup (CF) options available
- Die-cast aluminum housing
- IP54 rated construction

Specifications

Housing: Die-cast aluminum housing. Constructed to IP54.

Lens and gasketing: Heat and impact resistant tempered glass lens. Silicone rubber gasketing.

Optical system: Available in three downlight distributions meeting Full Cutoff criteria. Forward throw (F) or wide (W) distribution available for single lamp units in all sources. Twin lamp CF units available with 2D optics only. Specular anodized aluminum segmented reflector. Horizontally lamped. HID units require medium base ED-17 lamp. CF units require GX24q-4 lamp(s).

Mounting: Surface wall mount with a universal mounting bracket with bubble level for accurate installation to 4" round or octagonal junction box. Stainless steel hardware.

Ballast: HX-HPF ballast is standard for HID sources. CWA ballast may be specified in selected HID sources / wattages. CF ballast is electronic, high frequency, HPF.

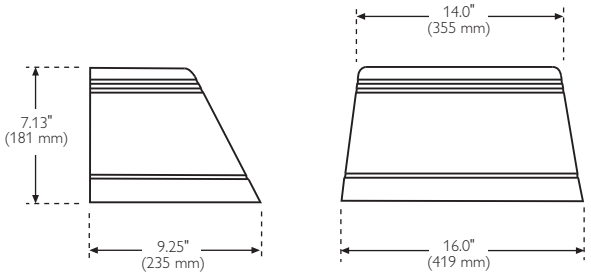
Emergency battery backup options: Features an indicator light and a test switch. At power interruption, emergency luminaires power CF lamps at reduced light levels for a minimum of 90 minutes. Remote EBB options include a quick disconnect assembly for wiring through conduit (by others) to either the EBBR or EBBR-C.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

AWS1 Dimensions



Battery pack minimum ambient temperatures (optional)		
EBB (integral)	0°C	(32°F)
EBB-C (integral)	-20°C	(-4°F)
EBBR (remote)	0°C	(32°F)
EBBR-C (remote cold-pack)	-18°C	(0°F)

Weight: 18.5 lbs 8.39 kgs

Ordering guide

Series/source-wattage			Distribution	Voltage		Options		Finish
PSMH	HPS	CF	single lamp units	HID	CF	CWA	F1	TSA
AWS1P-50	AWS1S-50	single lamp	F	120	UNIV	PCB	F2	TDB
AWS1P-70	AWS1S-70	AWS1CF-26	W	208		EBB	F3	TBK
AWS1P-100	AWS1S-100	AWS1CF-32		240		EBB-C	CSR	TWHT
AWS1P-150	AWS1S-150	AWS1CF-42		277		EBBR	LQ	TGR
				347		EBBR-C	LQ1	TGN
		twin lamp	twin CF lamps only	480				RAL(*)
		AWS1CF-226	2D	QV				
		AWS1CF-232						
		AWS1CF-242						

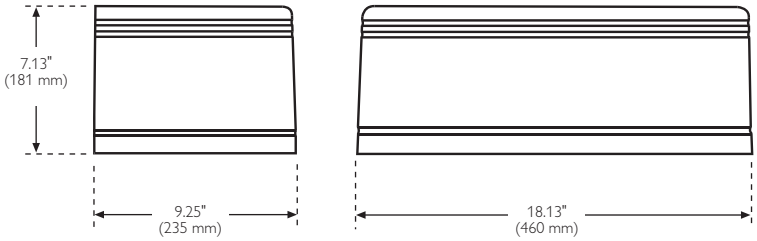
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0111.

AWS2 series

Architectural outdoor - wall & surface mount

- AWS2 (half cylinder) architectural wall sconce series
- 50-150 W HID and 26-2x42 W Compact Fluorescent
- Emergency battery backup (CF) options available
- Die-cast aluminum housing
- IP54 rated construction

AWS2 Dimensions



Battery pack minimum ambient temperatures (optional)		
EBB (integral)	0°C	(32°F)
EBB-C (integral)	-20°C	(-4°F)
EBBR (remote)	0°C	(32°F)
EBBR-C (remote cold-pack)	-18°C	(0°F)

Weight: 19.9 lbs 9.01 kgs

Specifications

Housing: Die-cast aluminum housing.

Lens and gasketing: Heat and impact resistant tempered glass lens. Silicone rubber gasketing.

Optical system: Available in three downlight distributions meeting Full Cutoff criteria. Forward throw (F) or wide (W) distribution available for single lamp units in all sources. Twin lamp CF units available with 2D or UD optics only. Specular anodized aluminum segmented reflector. Horizontally lamped. HID units require medium base ED-17 lamp. CF units require GX24q-4 lamp(s).

Mounting: Surface wall mount with a universal mounting bracket. Bubble level for accurate installation to 4" round or octagonal junction box.

Ballast: HX-HPF ballast is standard for HID sources. Optional CWA ballast available in selected HID sources/ wattages. CF ballast is electronic, high frequency, HPF.

Emergency battery backup options: Features an indicator light and a test switch. At power interruption, emergency luminaires power CF lamps at reduced light levels for a minimum of 90 minutes. Remote EBB options include a quick disconnect assembly for wiring through conduit (by others) to either the EBBR or EBBR-C.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

	-		-		-		-	
Series/source-wattage			Distribution	Voltage		Options		Finish
PSMH	HPS	CF	single lamp units	HID	CF	CWA	F1	TSA
AWS2P-50	AWS2S-50	single lamp	F	120	UNIV	PCB	F2	TDB
AWS2P-70	AWS2S-70	AWS2CF-26	W	208		EBB	F3	TBK
AWS2P-100	AWS2S-100	AWS2CF-32		240		EBB-C	CSR	TWHT
AWS2P-150	AWS2S-150	AWS2CF-42		277		EBBR	LQ	TGR
				347		EBBR-C	LQ1	TGN
		twin lamp	twin CF lamps units only	480				RAL(*)
		AWS2CF-226	UD	QV				
		AWS2CF-232	2D					
		AWS2CF-242						

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0112.

AWS3 series

Architectural outdoor - wall & surface mount

- AWS3 (quarter sphere) architectural wall sconce series
- 50-150 W HID and 26-2x26 W Compact Fluorescent
- Emergency battery backup (CF) options available
- Die-cast aluminum housing
- IP54 rated construction

Specifications

Housing: Die-cast aluminum housing.

Lens and gasketing: Heat and impact resistant tempered glass lens. Silicone rubber gasketing.

Optical system: Available in three downlight distributions meeting Full Cutoff criteria. Forward throw (F) or wide (W) distribution available for single lamp units in all sources. Twin lamp CF units available with 2D optics only. Anodized aluminum segmented reflector. Horizontally lamped. HID units require medium base ED-17 lamp. CF units require GX24q-4 lamp(s).

Mounting: Surface wall mount with a universal mounting bracket with bubble level for accurate installation to 4" round or octagonal junction box. Stainless steel hardware.

Ballast: HX-HPF ballast standard for HID sources. CWA ballast may be specified in selected HID sources and wattages. CF ballast is electronic, high frequency, HPF.

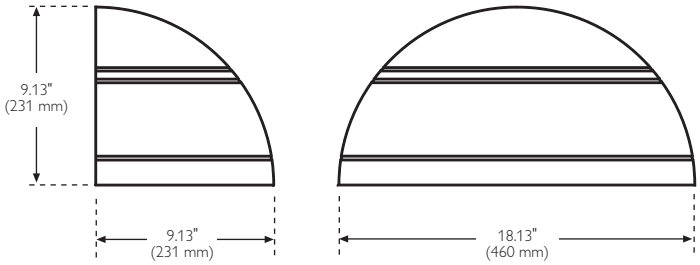
Emergency battery backup options: Features an indicator light and a test switch. At power interruption, emergency luminaires power CF lamps at reduced light levels for a minimum of 90 minutes. Remote EBB options include a quick disconnect assembly for wiring through conduit (by others) to either the EBBR or EBBR-C.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

AWS3 Dimensions



Battery pack minimum ambient temperatures (optional)		
EBB (integral)	0°C	(32°F)
EBBR (remote)	0°C	(32°F)
EBBR-C (remote cold-pack)	-18°C	(0°F)

Weight: 18.9 lbs 8.55 kgs

Ordering guide

Series/source-wattage			Distribution	Voltage		Options		Finish
PSMH	HPS	CF	single lamp units	HID	CF	CWA	F1	TSA
AWS3P-50	AWS3S-50	single lamp	F	120	UNIV	PCB	F2	TDB
AWS3P-70	AWS3S-70	AWS3CF-26	W	208		EBB	F3	TBK
AWS3P-100	AWS3S-100	AWS3CF-32		240		EBBR	CSR	TWHT
AWS3P-150	AWS3S-150	AWS3CF-42		277		EBBR-C	LQ	TGR
				347			LQ1	TGN
		twin lamp	twin CF lamps only	480				RAL(*)
		AWS3CF-226	2D	QV				

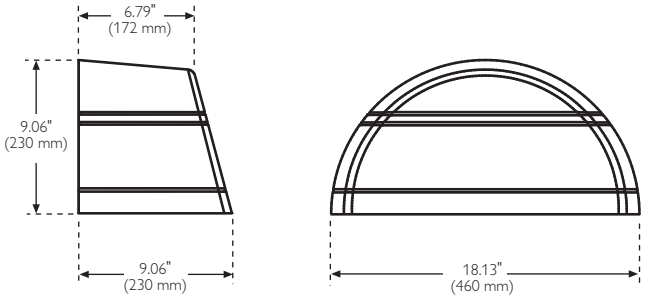
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0113.

AWS4 series

Architectural outdoor - wall & surface mount

- AWS4 (rounded wedge) architectural wall sconce series
- 50-150 W HID and 26-2x42 W Compact Fluorescent
- Emergency battery backup (CF) options available
- Die-cast aluminum housing
- IP54 rated construction

AWS4 Dimensions



Battery pack minimum ambient temperatures (optional)		
EBB (integral)	0°C	(32°F)
EBBR (remote)	0°C	(32°F)
EBBR-C (remote cold-pack)	-18°C	(0°F)

Weight: 19.6 lbs 8.88 kgs

Specifications

Housing: Die-cast aluminum housing.

Lens and gasketing: Heat and impact resistant tempered glass lens. Silicone rubber gasketing.

Optical system: Available in three downlight distributions meeting Full Cutoff criteria. Forward throw (F) or wide (W) distribution available for single lamp units in all sources. Twin lamp CF units available with 2D or UD optics only. Specular anodized aluminum segmented reflector. Horizontally lamped. HID units require medium base ED-17 lamp. CF units require GX24q-4 lamp(s).

Mounting: Surface wall mount with a universal mounting bracket. Bubble level for accurate installation to 4" round or octagonal junction box. Stainless steel hardware.

Ballast: HX-HPF ballast standard for HID sources. CWA ballast may be specified in selected HID sources / wattages. CF ballast is electronic, high frequency, HPF.

Emergency battery backup options: Features an indicator light and a test switch. At power interruption, emergency luminaires power CF lamps at reduced light levels for a minimum of 90 minutes. Remote EBB options include a quick disconnect assembly for wiring through conduit (by others) to either the EBBR or EBBR-C.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

		-		-		-		-
Series/source-wattage			Distribution	Voltage		Options		Finish
PSMH	HPS	CF	single lamp units	HID	CF	CWA	F1	TSA
AWS4P-50	AWS4S-50	single lamp	F	120	UNIV	PCB	F2	TDB
AWS4P-70	AWS4S-70	AWS4CF-26	W	208		EBB	F3	TBK
AWS4P-100	AWS4S-100	AWS4CF-32		240		EBBR	CSR	TWHT
AWS4P-150	AWS4S-150	AWS4CF-42		277		EBBR-C	LQ	TGR
				347			LQ1	TGN
		twin lamp	twin CF lamps units only	480				RAL(*)
		AWS4CF-226	UD	QV				
		AWS4CF-232	2D					
		AWS4CF-242						

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0114.

EWL series

Architectural outdoor - wall & surface mount

- EWL architectural building or pole mount luminaire series (Effex wall luminaire)
- Available in HID, Compact Fluorescent and QL Induction sources
- 13" housing offers 70-150 W HID and CF, 19" housing offers 250-400 W HID and QL
- Direct or indirect mount (Lite Driver option available)
- Die-cast aluminum housing constructed to IP65

Specifications

Housing: Die-cast of marine grade aluminum alloy.

Optical module: Multi-faceted, segmented, high-purity anodized aluminum reflectors. Quick disconnect optic assemblies are field-rotatable and exchangeable. Fully gasketed construction. Flat glass lens, sag lens available. HID units available with horizontal or vertical optics. 5V optic only for CF units. DQL optic only for QL units.

Lamp access: Hinged custom shaped silicone gasketed lens door secured by four captive screws. Mechanical stops in the housing ensure proper compression of gasket at relamping.

Ballast: HID units have HPF magnetic ballasts. CF and QL units have electronic ballast systems.

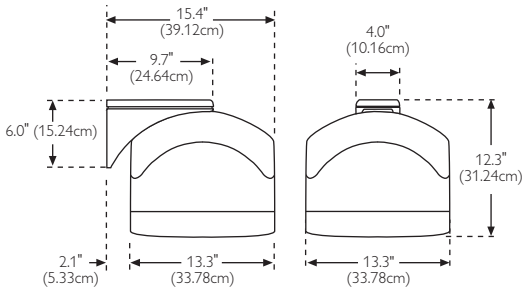
Mounting: Standard EWL mounting for wall or pole by a cast aluminum arm that attaches to concealed mounting bracket. Direct (down) or indirect (up) mounting orientation with aiming adjustment of 5° toward the wall or pole and 10° away. Lite Driver option provides mechanical advantages over manual manipulation of optical housing.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations, for direct or indirect mounting.

Warranty: Standard 5 Year Limited Warranty.

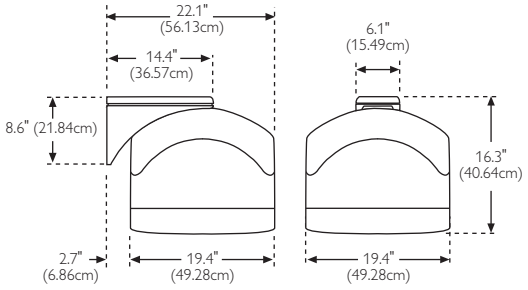
EWL 13" Dimensions



EPA (sq ft)	
1 @ 90	0.9
2 @ 180	1.8

Weight: 43 lbs 19.5 kgs

EWL 19" Dimensions



EPA (sq ft)	
1 @ 90	1.7
2 @ 180	3.4

Weight: 75 lbs 34.1 kgs

Ordering guide

Series/source-wattage		Distribution				Voltage	Options	Finish	Accessories
PSMH	HPS	H	Horizontal optics	V	Vertical optics	HID	BL	TSA	F1-KIT
EWLP-70	EWLS-70	2H		5V		120	CSR	TDB	F2-KIT
EWLP-100	EWLS-100	3H				208	LQ	TBK	F3-KIT
EWLP-150	EWLS-150	4H				240	LQ1	TWHT	AL-40-EFX
EWLP-250	EWLS-250	4HS	w/internal shield			277	F1	TGR	AL-10-EFX
EWLP-350	EWLS-400	5H				347	F2	TGN	AL-40-EFX-(COLOR)
EWLP-400	CF (13" unit)					480	F3	RAL(*)	AL-10-EFX-(COLOR)
	EWLCF-42	Accent optics (horizontal)		QL optics (horizontal)		QV	TLR		SK-40-EFX-(F)
	EWLCF-2X42	AW	Accent wide	DQL		CF / QL	TLR-PC		SK-10-EFX-(F)
	QL (19" unit)	AN	Accent narrow			120	PCB		FCO-EAL-(F)
	EWLQL-85	AO	Accent open			208	LD		WG-40-EFX
	EWLQL-165	AI	Accent indirect			240	GSL		WG-10-EFX
		AS	Accent scallop			277	50HZ		SPTA-(X)DT(Y)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0131.

AW04 / AW05 series

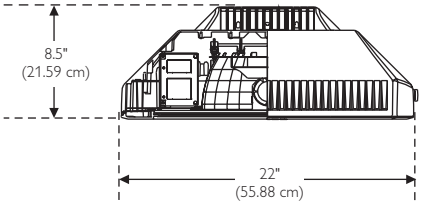
Architectural outdoor - wall & surface mount

- Warrior wall mount series is available in small (AW04) and large (AW05) housing sizes
- AW04 offers up to 150 W HPS and PSMH
- AW05 offers up to 400 W HPS and 320 PSMH
- Type II, III, IV, forward throw and grazing distribution options available
- Constructed of low-copper die-cast aluminum alloy

AW05

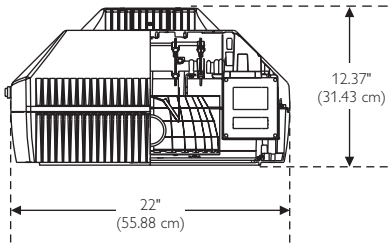
AW04

AW04 Dimensions



Weight: 38 lbs 17.24 kg

AW05 Dimensions



Weight: 55 lbs 24.95 kg

Specifications

Housing: 360 low-copper die-cast aluminum alloy.Lens frame assembly mounts to the housing via four captive ¼"-20 stainless steel screws and two galvanized steel hinges. The optional photo control eye is located in the ballast enclosure for easy access. Weatherproof ballast assembly. All non-ferrous fasteners ensure longer life.

Optical assembly: Type II and III Cutoff. Grazing. Type IV (AW05 only). Forward Throw (AW04 only). Precision formed, specular aluminum internal cutoff reflector with horizontal lamp. Reflector is rotatable in 90° increments. Clear tempered flat glass lens.

Lamping: AW04: MH and HPS Medium base: E17. AW05: MH and HPS Medium base: E17. MH Mogul base: ED28. HPS Mogul base: E23.5. 250 W HPS Mogul base: E18. 400 W HPS Mogul base: ED18.

Electrical assembly: Ballast assemblies are mounted to aluminum plate or spinning, which is mounted inside the ballast housing. 4 kV rated medium base porcelain socket. Nickel-plated screw shell with center contact.

Ballast: All HID ballasts are core and coil and regulated with power factors better than 90% (HPF). Ballast provides +/- 5% lamp power regulation with +/- 10% input voltage regulation. Ballasts are factory pre-wired and tested. Metal halide ballasts are capable of starting at -20° F or -30° C and HPS at -40°F or -40°C. All ballasts are EISA / Title 20 / Title 24 compliant where applicable.

Mounting: Wall mount (W). Back plate included.

Finish: A = Black, B = White, H = Bronze, and I = Gray finish options available.

Listings: UL and cUL Listed, suitable for wet locations.

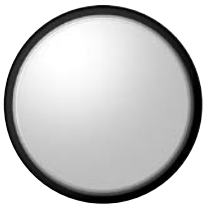
Warranty: Standard 5 Year Limited Warranty.

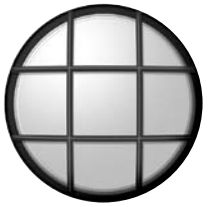
Notes
1) Available with AW04 only.
2) Available with AW05 only.

Ordering guide

	-		-		-		-		-		-	
Series		Mounting		Finish		Optics		Wattage		Voltage		Options
AW04		**D**		**A**		**2**		**AW04**	**AW05**	**E**	120	**N**
AW05		**U**		**B**		**3**		HPS	HPS	**F**	208	**B**
				H		**4**[2]		**50S**	**150S**	**G**	240	**F**
				I		**F**[1]		**70S**	**250S**	**H**	277	**H**
						G		**100S**	**400S**	**K**	347	**Q**
								150S	PSMH	**J**[2]	480	
								PSMH	**150H**			
								50H	**250H**			
								70H	**320H**			
								100H				
								150H				

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets WLSP0375 (AW04) and WLSP0376 (AW05).





Protector R series

Vandal resistant

- Vandal resistant round surface mount luminaire with cast-in mounting knock-outs
- For high-traffic, vandal-prone areas requiring architectural surface mount luminaires
- 13" shallow units are ADA compliant
- Open bezel and grid style may be wall or ceiling mounted
- Closed eyelid styles may be wall mounted

Specifications

Construction: Precision die-cast 360 alloy marine-grade aluminum back plate with cast-in mounting knock-outs. One-piece injection-molded, UV-stabilized polycarbonate face with snap-in, interlocking lens. Color molded polycarbonate face. Twist and seal construction locks the lens and face to the back casting. Die-cut neoprene rubber gasket provides added protection between back casting and mounting surface. Constructed to IP54.

Electrical: HID units equipped with magnetic pulse start ballasts. CF units equipped with an electronic HPF ballast with 120-277 Voltage sensing capability.

Optics: One-piece, injection-molded, UV-stabilized polycarbonate lens. Internal prisms re-direct light minimizing hot spots and maximizing uniformity. Lens available in clear prismatic or opal prismatic polycarbonate. Silicone rubber gasket seals optics/face to outer rim of back casting. Supplemental Impact System (SIS) provides a cushion to support/seal the lens. HID units utilize a precision die-form segmented reflector. CF units have a high-reflectance white pan reflector.

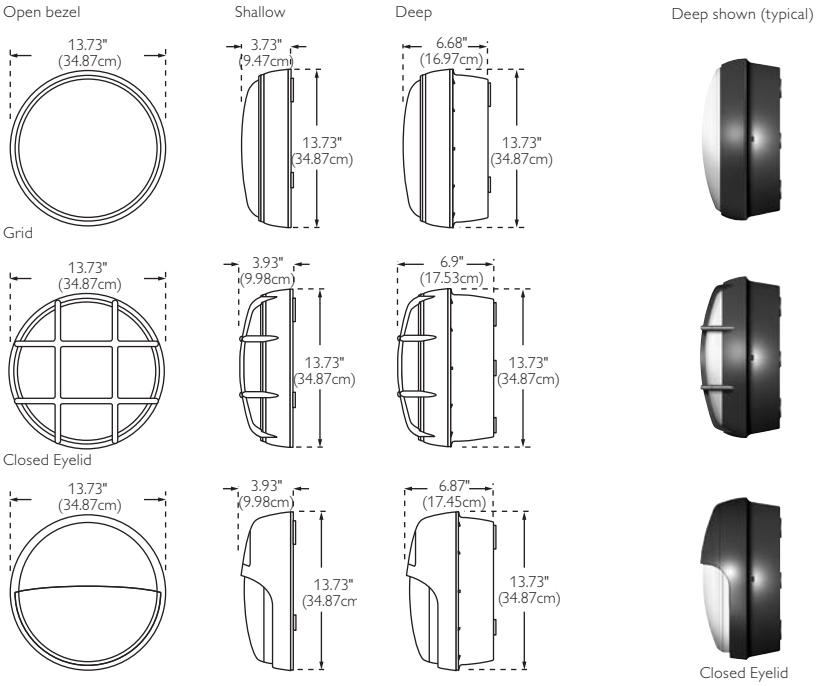
Mounting: Wall-mounted units have additional kick plates to direct the light down and out into a Type III pattern with a minimum 4:1 spacing ratio. Ceiling mount units provide a Type V distribution.

Finish: Polyester powder coat. Base and face finish options: B=Black, W=White, P=Bronze.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Warranty: Standard 5 Year Limited Warranty.

PR3 Series dimensions



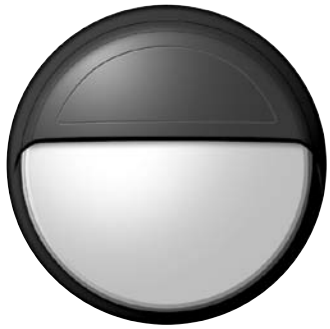
Weight: 11 lbs 4.99 kgs

Ordering guide

PR3											
Series/shape/size	Depth	Mount	Wattage	Source	Options	Base color	Voltage	Face style	Lens	Face color
protector Round 13"	D Deep	W Wall	HPS	LX HPS high power factor	L Lamped	B Black	1 120	B Open Bezel	O Opal Poly	B Black
PR3		C Ceiling	50 50		U UV Shield	W White	8 120-277			
			70 70		Q Quartz Aux	P Bronze		G Grid	C Clear Poly	W White
			PSMH	PM PSMH	F Fusing					
			50 50	NX HPS normal power factor	T Thru Wiring			E Closed Eyelid		P Bronze
	S Shallow		CF		P Photocell Button					
	available with 113 through 218 CF wattages only		113 1x13		See options and accessory page "Protector series options & accessories" on page 11.50 for option details: trim ring accessory not available with 13" shallow housing or thru wiring, photocontrol not available with trim ring accessory					
			118 1x18							
			126 1x26	HF CF high power factor						
			132 1x32							
			142 1x42							
			218 2x18							
			226 2x26							
			232 2x32							
			242 2x42							

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets WLSP0350, WLSP0379, WLSP0380, WLSP0381.

Protector R series

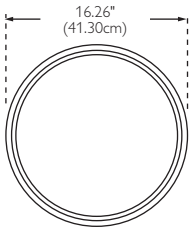


Vandal resistant

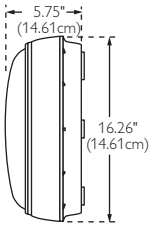
- Vandal resistant round surface mount luminaire with cast-in mounting knock-outs
- For high-traffic, vandal-prone areas requiring architectural surface mount luminaires
- 13" shallow units are ADA compliant
- Open bezel and grid style may be wall or ceiling mounted
- Closed eyelid styles may be wall mounted

PR6 Series dimensions

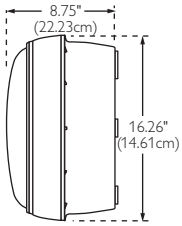
Open bezel face style



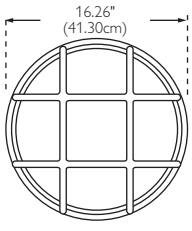
Shallow

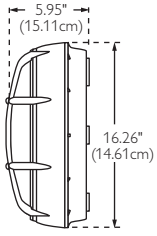


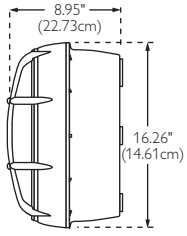
Deep



Grid face style



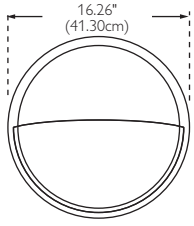




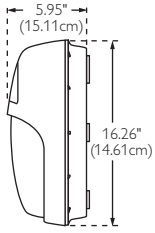
Weight: 16 lbs 7.26 kgs

Field-installed accessories
Trim ring accessories available for PR3D (13" deep only), and PR6 (16" shallow and deep) in black, white or bronze to match face color. See options and accessories page for ordering information.

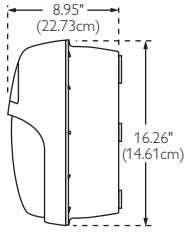
Closed eyelid style



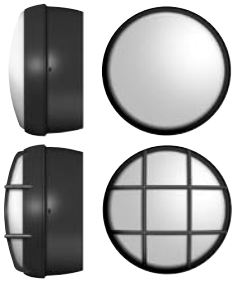
Shallow



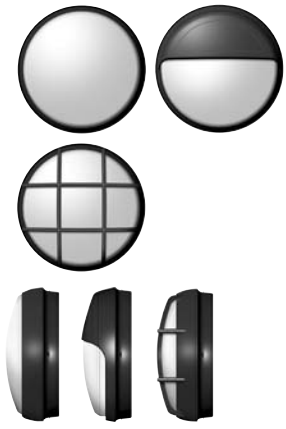
Deep



Ceiling mount



Wall mount



Open bezel and grid face styles available for ceiling or wall mounting. Closed eyelid face styles available for wall mounting only.

Ordering guide

PR6										
Series/shape/size	Depth	Mount	Wattage			Source	Options	Base color	Voltage	Face style	Lens	Face color
protector Round 16"	**S** Shallow	**W** Wall	Shallow	Deep		**LX** HPS high power factor	See options and accessory page "Protector series options & accessories" on page 11.50 for option details: Lamped, UV Shield, Fusing, Photo Control, Thru Wiring note: photocontrol and thru wiring option not available with trim ring accessory	**B** Black	**1** 120	**B** Open Bezel	**O** Opal Poly	**B** Black
PR6	**D** Deep	**C** Ceiling	HPS	HPS				**W** White	**5** 480	**G** Grid	**C** Clear Poly	**W** White
			50 50	**70** 70				**P** Bronze	**8** 120-277	**E** Closed Eyelid		**P** Bronze
			70 70	**100** 100								
				150 150		**PM** PSMH						
			PSMH	PSMH		**NX** HPS normal power factor						
			50 50	**50** 50								
			CF	CF								
			126 1x26	**226** 2x26								
			132 1x32	**232** 2x32		**HF** CF high power factor						
			142 1x42	**242** 2x42								
			226 2x26	**326** 3x26								
			232 2x32	**332** 3x32								
			242 2x42	**342** 3x42								
			326 3x26									

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets WLSP0351, WLSP0382, WLSP0383, WLSP0384.

Trim ring

Protector series options & accessories

Vandal resistant

Field-installed accessories

Trim ring

Installs to die-cast back housing and creates a flush, smooth transitional look. Includes a closed-cell neoprene rubber gasket that fits between the housing and inside lip of the trim ring. Provides a weather-tight seal and acts as an additional shock absorber as part of the SIS Supplemental Impact System. Minimizes back pry point.

Black		White		Bronze	
VR3DB	13" Deep	**VR3DW**	13" Deep	**VR3DP**	13" Deep
VR6SB	16" Shallow	**VR6SW**	16" Shallow	**VR6SP**	16" Shallow
VR6DB	16" Deep	**VR6DW**	16" Deep	**VR6DP**	16" Deep

VRTOOL Vandal-resistant access tool for both round and linear series

Factory-installed options

Round series

L = Supplied with appropriate lamp

U = Provided with UV reduced lamp (pulse-start MH)

Q[1] = Quartz auxiliary standby.

F = Single- or double-fused (voltage required)

P[3] = Photocell Button (specify voltage)

T[2] = Die-cast housing is factory drilled for through-wiring conduit access.

Linear series

B0 = T8 integral emergency battery backup - one lamp - 450 lumens - dry location only

B1 = T8/T5HO integral emergency battery backup - one lamp - 635/700 lumens - dry location only

B2 = T8 integral emergency battery backup - one or two lamp - 1375 lumens - wet location

F = Fusing

PC = Pencil Photocell (120V Only)

RB = Row MTG. beginning - includes joiner hardware

RM = Row MTG. middle - includes joiner hardware

RE = Row MTG. end - machined - mates to RB or RM

Note: Consult factory to verify integral emergency battery specifications and limitations.

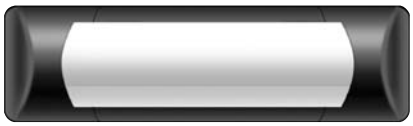
Notes

1) Provides light after a momentary power interruption knocks out the main HID lamp. Not for use with CF systems.
2) Cannot be used with Trim Ring accessory and not available in 13" shallow models.
3) Not available for PR3 shallow units , not available with trim ring accessories.

Protector PA series

Vandal resistant

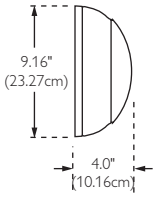
- Vandal resistant surface mount luminaire
- For high-traffic, vandal-prone areas requiring architectural surface mount luminaires
- High-efficiency (2 lamp) T5, T5HO or T8 configurations / 2 ft, 4 ft or 8 ft (tandem)
- Marine-grade extruded aluminum housing; die-cast, marine-grade aluminum end caps
- ADA compliant and suitable for wet locations
- Consult factory for continuous row mounting



Protector PA vandal resistant Luminaire

2 ft series shown
Also available in 4 and 8 ft (tandem) series.

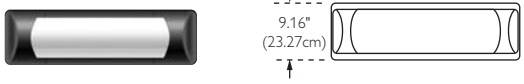
PA Series dimensions



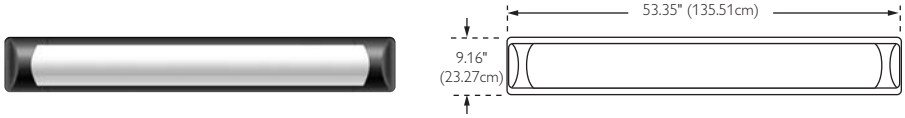
Weight

2'	12 lbs	5.44 kgs
4'	24 lbs	10.89 kgs
8'	48 lbs	21.77 kgs

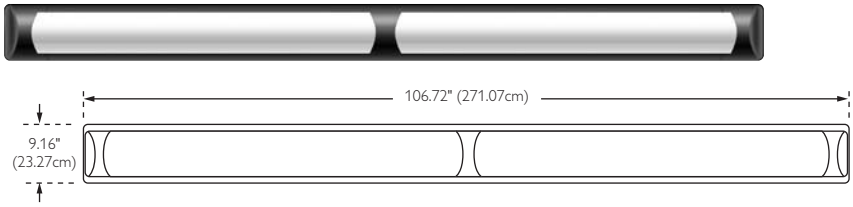
2' Unit



4' Unit



8' Tandem unit



Specifications

Construction: Marine-grade, extruded aluminum housing. Precision die-cast, marine grade aluminum end caps. Constructed to IP54.

Electrical: Electronic high-frequency ballast with voltage sensing capability in T8 and T5HO. Precision Snap-tite, spring-loaded sockets. Fusing options available. Integral Emergency battery backup options available. Consult factory to verify integral emergency battery backup specifications and limitations.

Optics: Extruded, UV-stabilized polycarbonate lens available in prismatic opal or prismatic clear styles. Delivers uniform illumination without glare. High-reflectance white pan reflector system.

Mounting: Consult factory for continuous row mounting.

Finish: Polyester powder coating. B=textured black, W=textured white, and P=textured bronze. Custom colors may be specified, consult factory.

Listings: UL/cUL 1598 listed, suitable for wet locations.

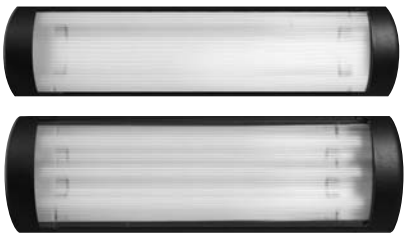
Warranty: Standard 5 Year Limited Warranty.

Ordering guide

P				2						
Series	Style		Lens	Lamp #	Watts		Voltage	Ballast	Options	Finish
Protector Linear	2' & 4' single units	8' Tandem unit	**O** Opal Poly	**2** (per cross section)	2' single unit only	4' single & 8' tandem units	**1** 120	2' and 4' single units only	**2C** 2 Circuit	**B**
							4 277		**3C** 3 Circuit	**W**
P	**A**	**AT**	**C** Clear Poly		**14** (T5)	**28** (T5)	**B** Univ	**N2Y** (T5)	**F** Fused	**P**
	Aluminum	Aluminum Tandem			**17** (T8)	**32** (T8)		**K2Y** (T8)	**B0**[1] T8 emerg. battery backup - dry loc.	
					24 (T5HO)	**54** (T5HO)		**S2Y** (T5HO)	**B1**[2] T8/T5HO emerg. batt. backup -dry loc.	
								8' tandem units only	**B2**[3] T8 emerg. batt. backup - wet location	
									Consult factory for continuous row mounting	
								N8Y (T5)		
								K4Y (T8)		
								S4Y (T5HO)		

Notes: 1) B0 = One T8 lamp - 450 lumens. 2) B1 = One T8/T5HO lamp - 635/700 lumens. 3) B2 = One or two T8 lamp - 1375 lumens.

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0369.



Protector PV
2' series shown

Protector PV series

Vandal resistant

- Vandal resistant surface mount luminaire with tamper-resistant hardware
- For high-traffic, vandal-prone areas requiring architectural surface mount luminaires
- High-efficiency (2 lamp) T5, T5HO or T8 configurations / 2 ft, 4 ft or 8 ft (tandem)
- Marine-grade extruded aluminum housing; die-cast, marine-grade aluminum end caps
- Row mounting capability direct from factory; conduit-ready knock-outs in end caps
- ADA compliant and suitable for wet locations

Specifications

Construction: Marine-grade, extruded aluminum housing. Tamper-resistant stainless steel hardware. Architectural die-cast end caps. Constructed to IP54.

Electrical: Electronic high-frequency ballast with voltage sensing capability in T8 and T5HO. Precision snap-tyte, spring-loaded sockets. Fusing and integral Emergency battery backup options available.

Optics: Extruded, impact-resistant polycarbonate lens available in prismatic opal or prismatic clear styles. Delivers uniform illumination without glare. High-reflectance white pan reflector system.

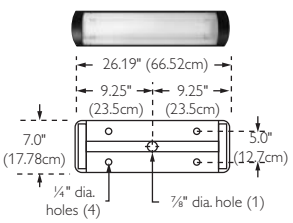
Mounting: Factory engineered to speed row mounting applications. See RB, RM and RE options.

Finish: Polyester powder coating. B=textured black, W=textured white, and P=textured bronze. Custom colors may be specified, consult factory.Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for wet locations.

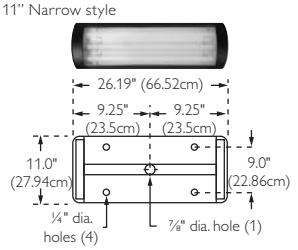
Warranty: Standard 5 Year Limited Warranty.

PV Series (2' unit)

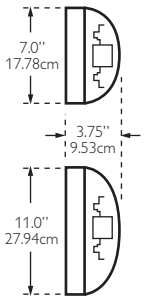
7" Narrow style



11" Narrow style

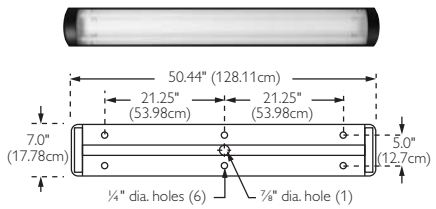


End view (typical)

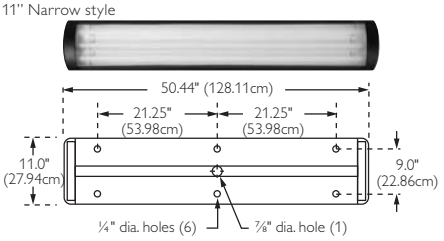


PV Series (4' unit)

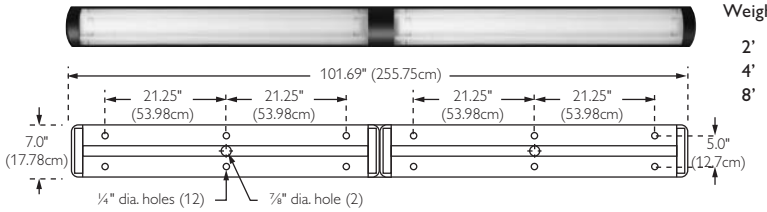
7" Narrow style



11" Narrow style



PV Series (8' tandem unit)



Weight:

2'	11 lbs	4.99 kgs
4'	22 lbs	9.98 kgs
8'	44 lbs	19.96 kgs

Notes
1) B0 = One T8 lamp - 450 lumens.
2) B1 = One T8/T5HO lamp - 635/700 lumens.
3) B2 = One or two T8 lamp - 1375 lumens.
4) See spec sheet for ballast data.

Ordering guide

Series	Style	Lens	Lamp #	Watts	Voltage	Ballast[4]	Options	Finish
P Protector Linear	2' & 4' single units: **VN** Narrow (7"), **VW** Wide (11"); 8' Tandem unit: **VNT** Narrow Tandem (7"), **VWT** Wide Tandem (11")	**O** Opal Poly; **C** Clear Poly	**2** (per cross section) (7"); **3** (per cross section) (11"); **4** (per cross section) (11")	2' single unit only: **14** (T5), **17** (T8), **24** (T5HO); 4' single & 8' tandem units: **28** (T5), **32** (T8), **54** (T5HO)	**1** 120; **4** 277; **B** Univ	**N2Y**, **K2Y**, **S2Y**, **N6Y**, **K3Y**, **S6Y**, **N8Y**, **K4Y**, **S8Y**	**2C** 2 Circuit; **3C** 3 Circuit; **F** Fused; **PC** Photocontrol; **B0**[1] T8 emerg. battery backup - dry loc.; **B1**[2] T8/T5HO emerg. batt. backup -dry loc.; **B2**[3] T8 emerg. batt. backup - wet location; **RB** Row mounting beginning - w/hardware; **RM** Row mounting middle - w/hardware; **RE** Row mounting end - mates to RB or RM	**B**; **W**; **P**

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0368.

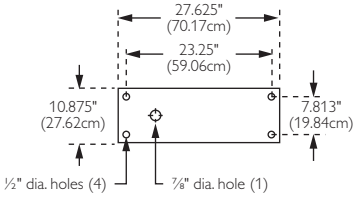
Protector PL series

Vandal resistant

- Vandal resistant surface mount luminaire with tamper-resistant hardware
- For high-traffic, vandal-prone areas requiring architectural surface mount luminaires
- High-efficiency (2 lamp) T5, T5HO or T8 configurations / 2 ft, 4 ft or 8 ft (tandem)
- Marine-grade extruded aluminum housing; die-cast, marine-grade aluminum end caps
- Conduit-ready knock-outs in end caps
- ADA compliant and suitable for wet locations

Protector PL
2' series shown

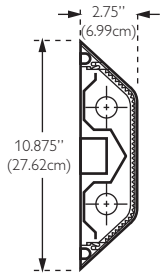
PL Series (2' unit)



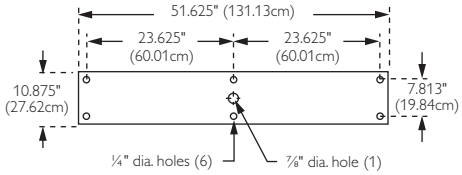
Weight:

2'	11 lbs	4.99 kgs
4'	22 lbs	9.98 kgs
8'	44 lbs	19.96 kgs

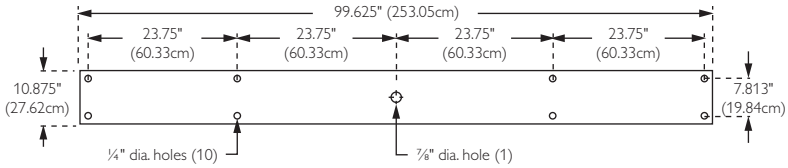
End view (typical)



PL Series (4' unit)



PL Series (8' tandem unit)



Specifications

Construction: Marine-grade, extruded aluminum housing. Tamper-resistant stainless steel hardware. Architectural die-cast end caps. Constructed to IP54.

Electrical: Electronic high-frequency ballast with voltage sensing capability in T8 and T5HO. Precision snap-tyte, spring-loaded sockets. Fusing options available. Integral Emergency battery backup options available. Consult factory to verify integral emergency battery backup specifications and limitations.

Optics: Extruded, UV-stabilized polycarbonate lens available in prismatic opal or prismatic clear styles. Delivers uniform illumination without glare. High-reflectance white pan reflector system.

Mounting: Knock-outs in end caps allow mounting to rigid conduit, by others.

Finish: Polyester powder coating. B=textured black, W=textured white, and P=textured bronze. Custom colors may be specified, consult factory.

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for wet locations.

Warranty: Standard 5 Year Limited Warranty.

Notes
1) B0 = One T8 lamp - 450 lumens.
2) B1 = One T8/T5HO lamp - 635/700 lumens.
3) B2 = One or two T8 lamp - 1375 lumens.

Ordering guide

P			2						
Series	Style	Lens	Lamp #	Watts		Voltage	Ballast	Options	Finish
P Protector Linear	2' & 4' single units; 8' Tandem unit	**O** Opal Poly	**2** (per cross section)	2' single unit only	4' single & 8' tandem units	**1** 120	2' and 4' single units only	**2C** 2 Circuit	**B**
		C Clear Poly				**4** 277		**3C** 3 Circuit	**W**
	L Wide; **LT** Wide Tandem			**14** (T5)	**28** (T5)	**B** Univ	**N2Y** (T5)	**F** Fused	**P**
				17 (T8)	**32** (T8)		**K2Y** (T8)	**PC** Pencil Photocontrol (120V only)	
				24 (T5HO)	**54** (T5HO)		**S2Y** (T5HO)	**B0**[1] T8 emerg. battery backup - dry loc.	
							8' tandem units only	**B1**[2] T8/T5HO emerg. batt. backup -dry loc.	
								B2[3] T8 emerg. batt. backup - wet location	
							N8Y (T5)		
							K4Y (T8)		
							S4Y (T5HO)		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0367.

VZ LED series

Parking & under canopy

- VizorLED Generation-2 (G2) parking & under canopy luminaire series
- Reduces total power draw 28 - 70% compared to a traditional 150 W PSMH system
- 'NDV' optics reduce glare and provide up to 10% uplight for volumetric illumination
- Extremely efficacious system with efficacies up to 78 lms/W
- Qualifies for many utility rebates. VizorLED Generation-2 with 'B' optic is DLC Certified.

Specifications

Energy saving benefits: System efficacy up to 78 lms/W with energy savings up to 70% over PSMH systems. (Meets DLC compliant guidelines.) Optional Proximo occupancy detector provides added energy savings of up to 94% during unoccupied periods and works as a 'Smart Fixture,' requiring no added wiring or controls.

Construction: Single piece die-cast upper housing. Heavy duty extruded aluminum heatsink, 6063-T5, optimally engineered. Standard unit constructed to IP65. With Proximo option, unit constructed to IP52.

Non-Direct View Optics: High-lumen white LED array shielded from direct view, significantly reduces glare and provides up to 10% uplight.

Driver: Driver efficiency (>90% standard). Constant current: 530 mA. 120-480V. Temp range: -40°C (-40°F) to 50°C (122°F). Open/short circuit protection. Optional 0-10V pulse width modulation dimming to 10% power. RoHS compliant. See website for G2 Driver specs and details.

Rated Life: Driver and LED life: 100,000 hrs @ 25° to 40°C (77° to 104°F). 50,000 hrs @ 50°C (122°F).

LED and board array: Cree XPG (G2): LED only: minimum 122 lms/W, System only: 70-78 lms/W. Color temp: 4125 K +/- 175 K. (CRI: 70) Aluminum metal clad board. Thermal resistance LED solder point to ambient: <0.68°C per watt. LED junction to ambient: <0.89°C per watt. RoHS compliant. See website for LED specs and details.

Distribution: Bi-axial symmetric 'B' or downlight 'D' distribution. VZ24 unit available using a 60 LED array.

Mounting: Galvanized steel Easy Hanger Plate (standard). Unit may be pendant mounted to rigid conduit (by others), yoke mounted or specified with a through-wire provision.

Finish: Textured satin aluminum aluminum finish. Extruded (finned) heatsink has a clear anodized finish.

Options: 'PX10' occupancy detector and colored lenses available for parking level or drive lane identification.

Listings: ETL/cETL listed to the UL 1598 standard, suitable for Wet Locations. Suitable for use in ambients from -20° to 50°C (-4° to 122°F). Units with 'B' optics are DLC Certified.

Warranty: Standard 5 Year Limited Warranty.

Generation-II (G2) VizorLED technical data

	60G2 LED (350 Driver)	60G2 LED (530 Driver)
Total system watts	69 W	99 W
Initial Lumens @ 25°C Ambient	5342 @ 350mA	7474 @ 530mA
Lumens per Watt @ 25°C Ambient	78	75
Initial Lumens @ 40°C Ambient	5188 @ 350mA	7228 @ 530mA
Lumens per Watt @ 40°C Ambient	76	73
Initial Lumens @ 50°C Ambient	5160 @ 350mA	7021 @ 530mA
Lumens per Watt @ 50°C Ambient	75	71

Note: Technical data and performance are subject to change. Always refer to spec sheet for the most current technical specs.

Distribution

B = Bi-Axial Symmetric

D = Downlight

Mounting

EZ = Easy hanger Plate (standard)

EZBP = Bulk Pack Easy Hanger Plate

PND-RC-24LDS = Pendant Mount with 24" Leads

TW2 = Thru-Wire Provision

Y = Yoke Mount

Options

F1[5] = Single Fusing 120, 277, 347 V

F2[5] = Double Fusing 208, 240, 480 V

F3[5] = Double Fusing 208, 240, 480 V Canadian Double Pull

CL(XX) = Colored Drive Lane Lenses

DD[1] = Dimming Driver

PX10[2,3,4] = Proximo Occupancy Detector

Accessories

F1-KIT = Single Inline Fuse Kit 120, 277, 347 V

F2-KIT = Double Inline Fuse Kit 208, 240, 480 V

F3-KIT = Double Inline Fuse Kit 208, 240, 480 V Canadian Double Pull

PX10-KIT[2,3,4] = Proximo Occupancy Detector Field Installed Kit

Notes

1. 0-10V leads exiting top of luminaire supplied for connection to external controls.
2. 'PX10' only available in 120, 277, and 347 V.
3. Proximo standard dimming level set to 10%. Can be field programmable (10-80%). Includes 'DD' dimming driver standard.
4. VizorLED G2 is currently rated IP52 when used with Proximo.
5. Fusing not available with UNV option. Voltage must be specified.

Ordering guide

VZ24 - 60G2 - [ ] - [ ] - [ ] - [ ] - [ ] - TSA [ ]

Series/Size	# of LEDs	Driver	Distribution	Voltage	Mounting	Options	Finish	Accessories
VZ24	60G2	350	B	120	EZ	F1	TSA	F1-KIT
		530	D	208	EZBP	F2		F2-KIT
				240	PND-RC-24LDS	F3		F3-KIT
				277	TW2	CL(XX)		PX10-KIT[2,3,4]
				347	Y	DD[1]		
				480		PX10[2,3,4]		
				UNV (120-277)				

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets WLSP0393 (VizorLED G2) and WLSP0310 (Proximo Occupancy Detector).

VZ LED series

Proximo occupancy detector

- Provides energy and cost savings during unoccupied periods for an additional 94% energy savings
- Proximo detects passive infrared movement for full 360° range of detection
- Time delay settings from 30 seconds up to 20 minutes
- Multiple programmable dimming levels available for added flexibility
- Integral photocontrol for additional savings

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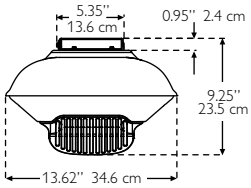
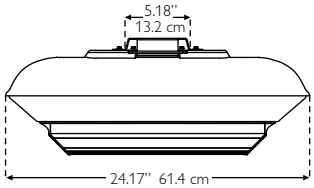
VZ24 EZ hanger plate mount

standard mounting
mounts to standard 4" square or octagonal j-boxes

End View



Side View

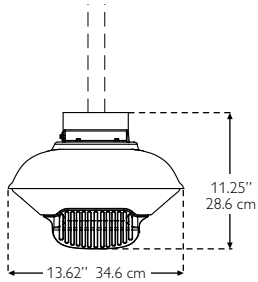


Weight: 28 lbs 12.7 kgs

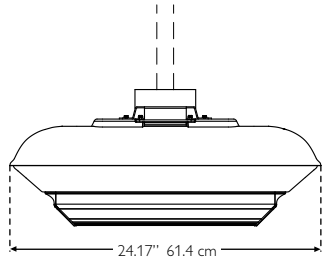
VZ24 Pendant mount

pendant by others
3/4" NPT required

End View



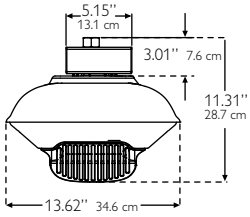
Side View



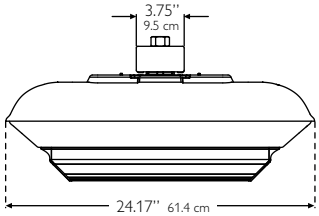
VZ24 Thru-wire provision

thru-wire outlet box with 3/4" conduit hub and four 0.875" knockouts

End View



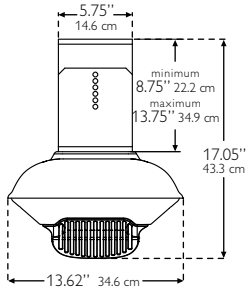
Side View



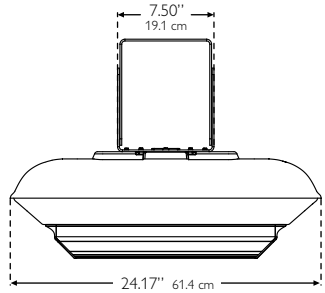
VZ24 Yoke mount

mounts to standard 4" square or octagonal j-boxes

End View

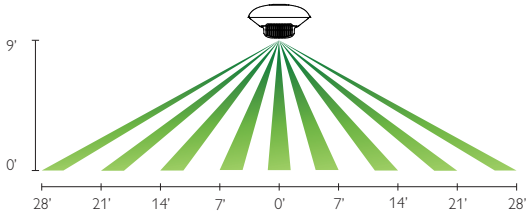


Side View

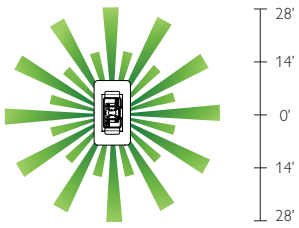


Proximo sensor coverage (9' mounting height, 28' detection radius)

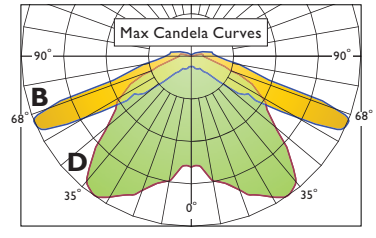
Vertical Side View



Horizontal Side View



Typical VizorLED candela curves



Note: Provides up to 10% Uplight
B = Bi-Axial Symmetric, **D** = Downlight

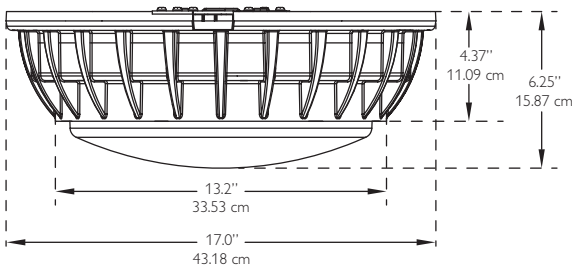
VizorLED LED parking & under canopy luminaire shown

GR-52 LED series

Architectural outdoor - site & area

- Efficacies up to 100 lms/W
- Optics provide Type-V square distribution
- Excellent thermal management system ensures long life of up to 82,000 hours
- Occupancy sensor control options available for additional energy savings
- Quick-mount system allows for ease of installation
- LED boards are fully upgradable when technology advances

GR52 Dimensions



Weight: 11 lbs 4.98 kgs

Please refer to website and specification sheets for availability and current ordering details for the GR-52.

Specifications

Rated system life (LED life per L70): Driver and LED life: 82,000 hrs.

Housing / construction: Die-cast aluminum housing. Optic chamber and separate driver housing constructed to IP65. Die-cast aluminum heatsink allows for long life of LEDs.

Thermal management: High thermal transfer aluminum clad LED board is completely surface mounted to the casting, allowing the aluminum cast housing to dissipate heat.

LED and board array: 52 LEDs. Color temperature: 5000 K. Metal core printed circuit board. RoHS compliant. See website for LED specs and details.

Driver: See website for LED specs and details.

LED Optical system: Type V square distribution.

Mounting: Surface mounting system allows fixture to be removed without disassembly. Flush mount and side box mounting options available.

Finish: ST = standard silver gray, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations. DLC Certified.

Warranty: Standard 5 Year Limited Warranty.

RSP series

Parking & under canopy

- Round Spectra-Lyte parking & under canopy luminaire series
- EONS Extended On System available (RSP-E)
- Available in CosmoPolis and standard HID sources
- Available in Compact Fluorescent and QL Induction sources
- HAZ Listed unit available (pendant mounted with RG optic only)
- Corrosion-resistant finishes with durable die-cast aluminum alloy housing

Specifications

Housing: Die-cast aluminum alloy, corrosion resistant hardware. HID unit constructed to IP54, CF/QL IP52.

Optical system: Vertically lamped units, available with symmetric or asymmetric distributions. Standard polymeric refractor with internal reflector system. Molded refractor optic may be specified (symmetric distribution). Single lamp systems available in standard HID, CosmoPolis HID, CF or QL induction sources. Triple-lamp EONS optic systems available in standard or CosmoPolis HID sources.

Ballast: The digitally microprocessor-controlled ignitor in the CosmoPolis ballast gear offers superior lumen maintenance with a 60,000 hour life. 70-200 W PSMH units available with electronic or magnetic ballasts. 70-150 W HPS units available with magnetic ballasts only.

EONS Extended ON system: RSP EONS features a triple-lamp optic and ballast system designed to ignite the lamp with the highest remaining life. Installations sustain higher light levels for 3X as long with 3X the time between group relamping for significant cost savings.

Mounting: Standard easy hanger plate. Pendant and surface mounts, yoke and wall mount brackets available.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

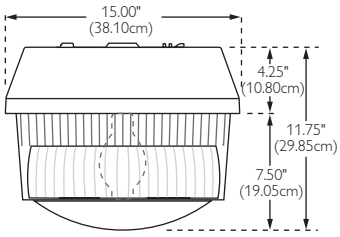
Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations. RSP-HAZ unit available: ETL/cETL listed to the UL 844 standard / IP65 construction / pendant mount / RG optic. See Note.

Warranty: Standard 5 Year Limited Warranty.

Note: See page 11.59 for RSP-HAZ specifications.

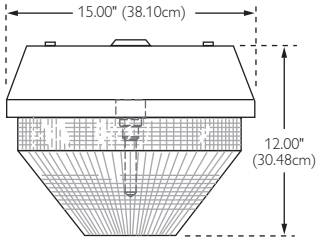
RSP Dimensions: S and A optic

(shown with single standard HID lamp)



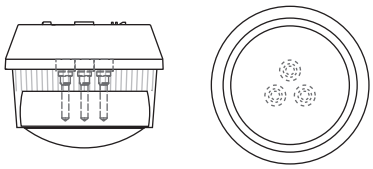
RSP Dimensions: R and RG optic

(shown with single CosmoPolis HID lamp)



RSP-E with ES optic

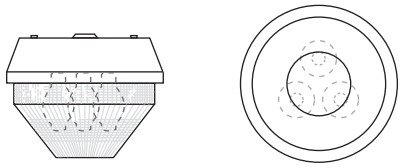
See standard unit dimensions above.
(EONS unit shown with CosmoPolis HID lamps)



Weight: 20 lbs 9.07 kgs

RSP-E with ERG optic

See standard unit dimensions above.
(EONS unit shown with standard HID lamps)



Weight

polymeric refractor	20 lbs	9.07 kgs
glass refractor	30 lbs	13.61 kgs

Ordering guide

Series/source-wattage		Distribution		Voltage		Options		(additional)	(exclusive)	Finish	Accessories
CosmoPolis	HPS	RSP	RSP-E	CosmoPolis	HID (C)	CosmoPolis		HID	CF / QL	TSA	F1-KIT
RSPP-60	RSPS-70	S	ES	208E	120-C	F1	BP	LF	LMP(XX)	TDB	F2-KIT
RSPP-90	RSPS-100	A	ER	240E	208-C	F2	TS	LF1-EBB	CF	TBK	F3-KIT
PSMH	RSPS-150	R	ERG	277E	240-C	F3	VL	LF-EBB	SL	TWHT	HSS
RSPP-70	CF	RG			277-C	CSRLF	TW2	LQ	ZX	TGR	T2S
RSPP-100	RSPCF-242				347-C	LF1	Y	LQ2	EBB-DL-750-(V)-MT	TGN	BG
RSPP-150	RSPCF-426				480-C	CSR	NLMP	BL	EBB-DL-1000-(V)-MT	RAL(*)	PND-OJB
RSPP-175	RSPCF-432				QV-C	LQ1		ITS	EBB-DL-1000-(V)-ST		WMB-RSP-NM-(X)
RSPP-200	RSPCF-442				HID (E), CF/QL	IP65		50HZ			WMB-RSP-NM-SCB-(X)
	QL				120-277-E	PND-RC		CWA			WMB-RSP-EZM-(X)
	RSPQL-85				AD (E) dimming	PND-RC-24LDS		HAZ [1]			WMB-RSP-EZM-SCB-(X)
	RSPQL-165										

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheets:
WLSP0134 (RSP standard HID, CF, and QL), WLSP0309 (RSP CosmoPolis HID), WLSP0117 (RSP-EONS standard HID), WLSP0320 (RSP-EONS CosmoPolis HID)

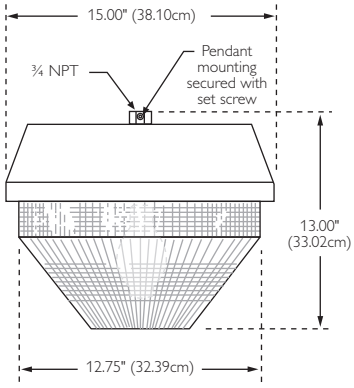
RSP-HAZ series

Parking & under canopy

- Hazardous Location Listed Round Spectra-Lyte parking & under canopy luminaire series
- UL 844 Hazardous Location Listed: Class I, Division 2, Groups A, B, C, D
  Class II, Division 2, Groups F and G
  Class III
- 70-200 W standard HID sources (EONS available), pendant mounted with glass optic
- Corrosion-resistant finishes with durable die-cast aluminum alloy housing

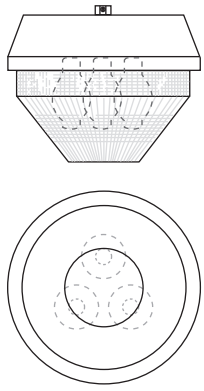
RSP-HAZ Dimensions: RG optic

(single standard HID lamp)



RSP-E-HAZ with ERG optic

(EONS 3-lamp optic)



Weight: 30 lbs 13.61 kgs

Temperature chart

Lamp		Class I, Div II maximum ambient temperatures			
Type	Max. Wattage	Ambient	Supply Wire	Operating Temperature Code	
MH / PSMH	**200**	**55°C**	**125°C**	**T1**	450°C
HPS	**150**	**55°C**	**125°C**	**T2A**	280°C

Specifications

Housing: Die-cast aluminum alloy construction, corrosive-resistant finish and exterior hardware. Withstands 1300 psi high pressure hose down. Constructed to IP65.

Optical system: Available with 'RG' or EONS 'ERG' optic only: symmetric round precision molded borosilicate glass refractor. See standard RSP specifications for EONS details.

Lamp / socket: Standard unit supplied with medium base ED-17 lamps. Porcelain socket with spring-pressure center contact, 4 kV pulse rated. Socket mounts directly to the upper reflector for proper photometric alignment. Maximum wattage restrictions: 200 watt PSMH/MH and 150 watt HPS.

Ballast: High reactance, high power factor magnetic ballast with reliable starting at temperatures as low as -29°C (-20°F) for MH, -34°C (-30°F) for PSMH, and -40°C (-40°F) for HPS. Crest factor does not exceed 1.8. Class H, 180°C (356°F) rated insulation system. CWA ballast available in limited wattages and voltages.

Mounting: Standard RSP-HAZ series luminaires shall be direct pendant mounted to ¾" NPT rigid conduit and secured with a set screw. May be specified with tamperproof screws. Note: Easy Hanger Plate mounting not available with Hazardous Location Listed luminaire.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations. UL 844 Hazardous Location Listed: Class I, Div. 2, Groups A, B, C, D; Class II, Div. 2, Groups F and G; and Class III. 55°C (131°F) ambients. Suitability for use is the determination of the specifier.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

			-		-		-	PND-RC	-	HAZ	-		-		
Series/source-wattage			Distribution	Voltage	Mounting	HAZ Listing	Options	Finish	Accessories
MH	PSMH	HPS	single HID lamp	**120**	**PND-RC**	**HAZ**	**24LDS**	**TSA**	**F1-KIT**
RSPM-100	**RSPP-70**	**RSPS-70**	**RG**	**208**			**TS**	**TDB**	**F2-KIT**
	RSPP-100	**RSPS-100**	EONS System	**240**			**F1**	**TBK**	**F3-KIT**
	RSPP-150	**RSPS-150**	**ERG**	**277**			**F2**	**TWHT**	
	RSPP-175			**347**			**F3**	**TGR**	
	RSPP-200			**480**			**NLMP**	**TGN**	
				QV			**50HZ**	**RAL(*)**	
							CWA		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0119.

SP series

Parking & under canopy

- Square Spectra-Lyte parking & under canopy luminaire series
- 70-175 W standard HID sources
- Easy Hanger Plate mounting. Pendant, direct (thru-wire) or yoke mount available
- Durable die-cast aluminum alloy housing
- Corrosion-resistant external hardware and finish

Specifications

Housing: Die-cast aluminum alloy with corrosion resistant hardware and finish to ensure durability within parking structures. Constructed to IP54.

Optical system: Injection-molded, UV stabilized, high impact acrylic lens. Enclosed and gasketed Optical assembly with vertically lamped optics has an internal reflector system with upper and lower apertures for controlled downlight with uplight component. Reflector shields the arc tube to restrict disabling glare. Downlight component has a Type V square distribution. Upper aperture provides symmetrical, upward light component to provide fill light on ceiling. Specular, high purity anodized aluminum reflectors. Primary reflector is fixed within lens interior for proper photometric alignment. Secondary upper reflector redirects high angle light back into the useful beam.

Lamp / Socket: BT/ED17 lamp. Porcelain socket with spring-pressure center contact, 4 kV pulse rated, mounted directly to the upper reflector.

Ballast: HPF ballast with reliable starting temperatures as low as -34°C (-30°F) for PSMH, and -40°C (-40°F) for HPS. Class H, 180°C (356°F) rated insulation system.

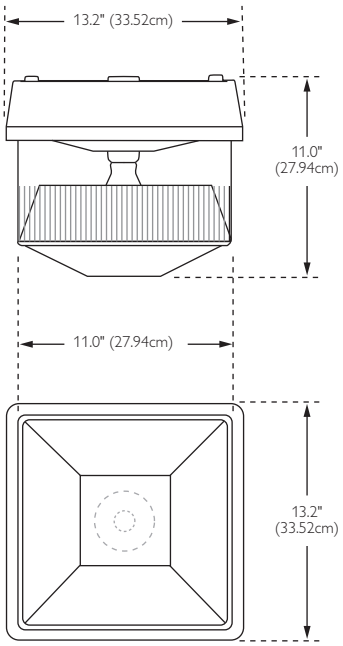
Mounting: Standard galvanized steel Easy Hanger Plate. External set screw allows the fixture to be locked or removed without fixture disassembly. Pendant mounting to ¾" rigid conduit, surface mounting with feed-through wiring and yoke mount bracket available.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

SP Dimensions



Weight: 21 lbs 9.53 kgs

Ordering guide

		-	S	-		-		-	
Series/source-wattage			Distribution	Voltage	Options		Finish		Accessories
PSMH	HPS		S Type V square	120	F1	BP	TSA		F1-KIT
SPP-70	SPS-70		dual reflector system	208	F2	TS	TBK		F2-KIT
SPP-100	SPS-100		with acrylic lens	240	F3	VL	TDB		F3-KIT
SPP-150	SPS-150			277	CSR	NUL	TWHT		PND-OJB
SPP-175				347	LQ	TW2	TGR		
				480	LQ1	Y	TGN		
				QV	LQ2	NLMP	RAL(*)		
					BL	CWA			
					ITS	50HZ			
					PND-RC	HS90			
					PND-RC-24LDS				

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0135.

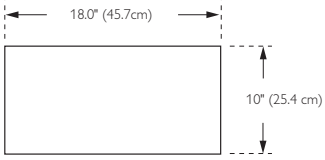
AL3G series

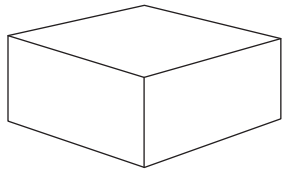
Parking & under canopy

- Spectra III Garage parking and under canopy luminaire series
- 70-400 W HID sources
- 18" square formed aluminum housing with anodized extruded aluminum door frame
- Ceiling mount (standard), yoke mount available
- IP54 rated construction

AL3G Dimensions

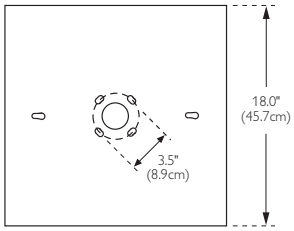
Side View





Weight: 30 lbs 13.61 kgs

Top View



Specifications

Housing: Formed aluminum sheet metal housing and top. The sides and top shall be mechanically and chemically sealed to ensure a rain-tight seal. Constructed to IP54.

Optical module: Rotatable multi-faceted segmented reflectors shall be made of high purity, anodized aluminum. Optical assemblies shall be field rotatable at 90° increments and exchangeable. Vertically or horizontally lamped optics with flat or sag glass lens (determined by optic, source and wattage).

Lamp access: Door frame shall be mitered anodized aluminum extrusion, gasketed for a positive seal to the housing.

Socket: Porcelain, 4 kV pulse-rated, grip-type mogul base socket. Optional Stabilux horizontal lamp socket available.

Ballast: High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to -34°C (-30°F) for PSMH, -40°C (-40°F) for HPS. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8.

Mounting: Ceiling mount is standard.

Finish: Polyester powder coating. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

		-			-			-		-	CM	-		-			-		

Series/source-wattage				Distribution				Voltage	Mounting	Options	Finish	Accessories
PSMH		HPS		F	V lamp, flat glass	H	H lamp, flat glass	120	CM ceiling mount	BL	TSA	F1-KIT
AL3GP-70	(BT/ED28)	AL3GS-150	(ED23½)	2F		2H		208		CSR	TDB	F2-KIT
AL3GP-100	(BT/ED28)	AL3GS-250	(ED18) *	3F		3H		240		LQ	TBK	F3-KIT
AL3GP-150	(BT/ED28)	AL3GS-400	(ED18) *	4F		4H		277		LQ1	TWHT	HSS-H-AL3
AL3GP-175	(BT/ED28)		* requires Type V	5F		5H		347		F1	TGR	HSS-V-AL3
AL3GP-200	(BT/ED28)			V	V lamp, sag glass			480		F2	TGN	SK-AL3-(F)
AL3GP-250	(BT/ED28)			2V				QV		F3	RAL(*)	
AL3GP-400	(BT/ED28)			3V						HSS-H-AL3		
				4V						HSS-V-AL3		
				5V								

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0352.

TAG-LN LED series

Architectural floodlighting

- TAG Linear LED floodlights incorporate high brightness white and color-changing LEDs
- Color temperature: Neutral White: 4125 K +/- 175 K, Cool White: 6500 K +/- 250 K
- Available in spot or flood distributions
- Four levels of color changing control make TAG suitable for any project
- IP65 rated construction with extruded aluminum housing and integrated heat sink

Specifications

Optical system: Spot or flood distributions: spot: 9° x 9°, 12° x 12°, flood: 18° x 18°, 30° x 30°, 70° x 70°.

High-lumen white LED and board array: Lumiled Rebel White LED units available in Neutral White or Cool White. CRI: 70 +/- 3 Color temperature: Neutral White: 4125K +/- 175K Cool White: 6500K +/- 250K Aluminum metal clad board. RoHS compliant.

High-lumen RGB LED/board array: Lumiled Rebel RGB LED units with integrated Color-Tune technology and full DMX compatibility. Aluminum metal clad board. RoHS compliant.

Rated Life: LED rated life of 60,000 hours @ 40°C.

Housing: IP66 rated fixture with extruded aluminum housing, integrated heatsinks and machined end caps. Lockable thumb screw aiming.

Drivers: 24VDC driver(s) supplied separately.

Level-1 color-tune control: Uses push-button control at each fixture location. Scrolls through 16 million colors and locks into place with one button push. Push button again for 12 preset colors, with white.
Level-2: Same Level-1 control with Color-Tune controlling a series of fixtures from a single fixture location. 'RGBM' master unit controls all 'RGBD' drone units by daisy chaining the DMX control wires in series.
Level-3 & level-4 DMX control: Full open source DMX compatible. Level-3: Control with our ColorDial standalone DMX wall mounted controller. Level-4: Control available with most off-the-shelf DMX controllers and software. Optional factory and field DMX channel addressing available.

Wiring/power requirements: 24vdc low voltage wiring may be direct buried without the need to run a separate conduit (up to 100 W). Single or multiple LED drivers and boxes may be installed in a readily accessible location (ordered separately).

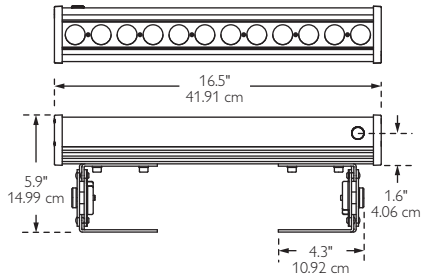
Mounting: Adjustable stainless steel bracket arm provides the standard mounting method.

Finish: Standard finish is Anodized Satin Aluminum.

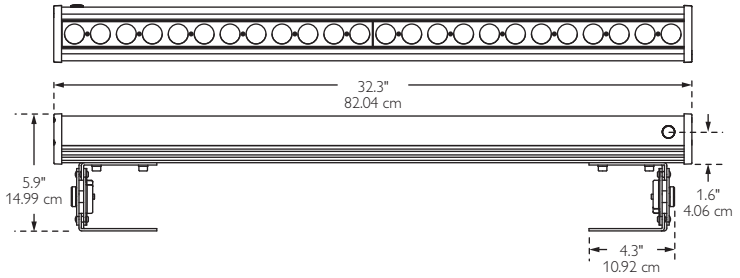
Listings: ETL/cETL Listed luminaire, to the UL 1598, UL 8750 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

TAG-LN-12 Dimensions

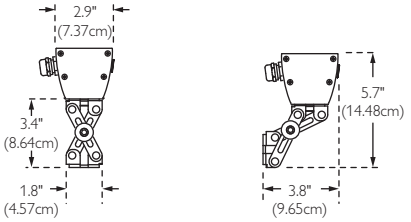


TAG-LN-24 Dimensions



TAG-LN Dimensions

End view



Ordering guide

TAG-LN - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] [ ]

Series	# of LEDs	LED Color	Distribution	Voltage	Mounting	Options	Finish	Accessories		
TAG-LN	12	RGBD	SP9	24VDC	BA	SG	ASA	TS-TAGLN12	SG-TAGLN12	CLRD
	24	RGBM	SP12		NR			TS-TAGLN24	SG-TAGLN24	HAP
	36	NW	FL18			FDA-SEQ		TS-TAGLN36	SG-TAGLN36	DMXSR
	72	CW	FL30			FDA-CUS		TS-TAGLN72	SG-TAGLN72	C2C
			FL70					SA-TAGLN-TSA	LA-TAGLN-TSA	

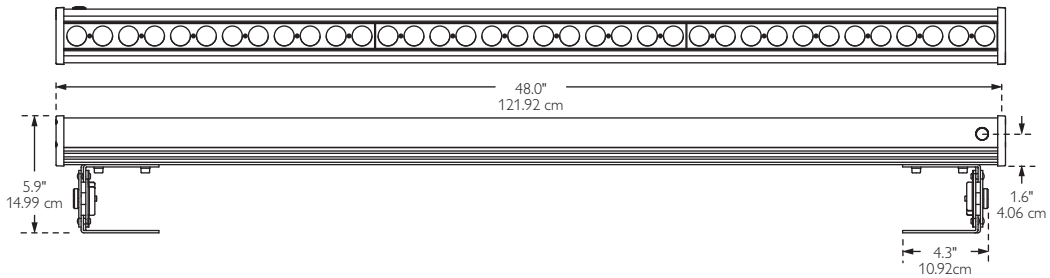
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0283.

TAG-LN LED series

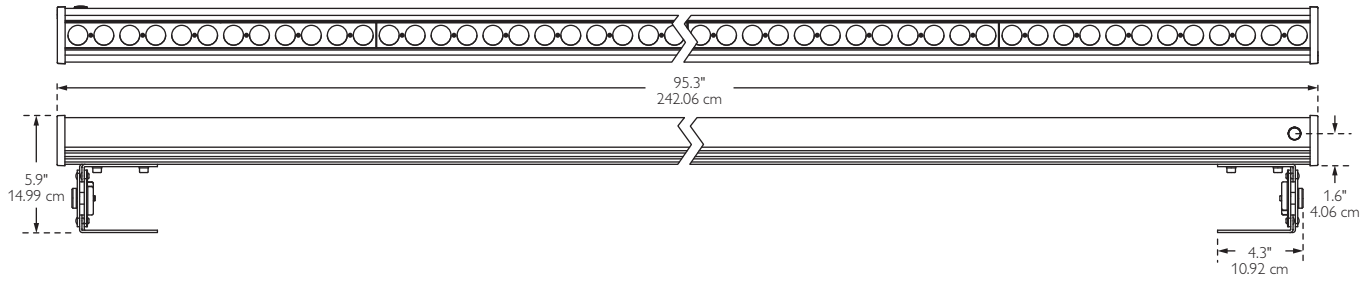
Architectural floodlighting

- TAG Linear LED floodlights incorporate high brightness white and color-changing LEDs
- Color temperature: Neutral White: 4125 K +/- 175 K, Cool White: 6500 K +/- 250 K
- Available in spot or flood distributions
- Four levels of color changing control make TAG suitable for any project
- IP65 rated construction with extruded aluminum housing and integrated heat sink

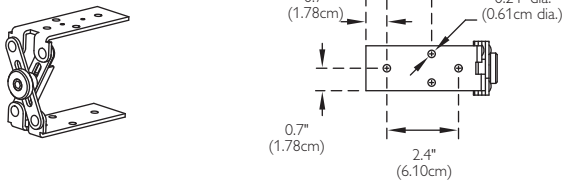
TAG-LN-36 Dimensions



TAG-LN-72 Dimensions



TAG-LN Bracket arm dimensions



TAG-LN Technical data

	12 LED Unit		24 LED Unit		36 LED Unit		72 LED Unit	
	RGB	Cool/Neutral White	RGB	Cool/Neutral White	RGB	Cool/Neutral White	RGB	Cool/Neutral White
Fixture watts	15W	15W	32W	31W	47W	46W	94W	92W
Total system watts	17W	17W	35W	34W	52W	51W	104W	102W
Average Initial Lumens @ 25°C Ambient	423	840	846	1681	1270	2521	2455	5042
Average Lumens per Watt @ 25°C Ambient	25	49	24	49	24	49	24	49
Average Initial Lumens @ 40°C Ambient	382	757	763	1515	1144	2273	2213	4545
Average Lumens per Watt @ 40°C Ambient	22	45	22	45	22	45	21	44

Note: Technical data subject to change. Refer to spec sheet for most current technical specs.

TAG-RD LED series

Architectural floodlighting

- TAG Round LED floodlights incorporate high brightness white and color-changing LEDs
- Color temperature: Neutral White: 4125 K +/- 175 K, Cool White: 6500 K +/- 250 K
- Available in spot or flood distributions
- Four levels of color changing control make TAG suitable for any project
- IP65 rated construction with die-cast aluminum housing and integrated heat sink

Specifications

LED Optical system: 9° x 9° spot, 12° x 12° spot, 18° x 18° flood, 30° x 30° flood, 70° x 70° flood

High-lumen white LED and board array: Lumiled Rebel White LED units available in Neutral White or Cool White. CRI: 70 +/- 3 Color temperature: Neutral White 4125K +/- 175K. Cool White 6500K +/- 250K. Aluminum metal clad board. RoHS compliant.

High-lumen RGB LED and board array: Lumiled Rebel RGB LEDs with integrated Color-Tune technology. Aluminum metal clad board. RoHS compliant.

Rated Life: LED rated life of 60,000 hours @ 40°C.

Housing: Die-cast aluminum housing with integrated heat sink. Lockable thumb screw aiming.

Drivers: 24VDC driver provided or supplied by others.

Level-1 color-tune control: Uses simple push-button control at each fixture location. Scrolls through 16 million colors and locks into place with one button push. Push the button again for 12 preset colors, including white.

Level-2: Same Level-1 control with Color-Tune controlling a series of fixtures from a single fixture location. 'RGBM' master unit controls all 'RGBD' drone units by daisy chaining the DMX control wires in series.

Level-3 & level-4 DMX control: Full open source DMX compatible. Level-3 Control with our ColorDial standalone DMX wall mounted controller. Level-4 Control available with most off-the-shelf DMX controllers and software. Optional factory and field DMX channel addressing available.

Wiring and power requirements: 24 VDC low voltage wiring may be direct buried without the need to run a separate conduit (up to 100 W). Single or multiple drivers and boxes may be installed in a single, readily accessible location for ease of service (ordered separately).

Mounting: Yoke mount is standard. Optional surface mount J-Box or universal mount available. 18" stanchion mount or slip fitter mounting accessories available.

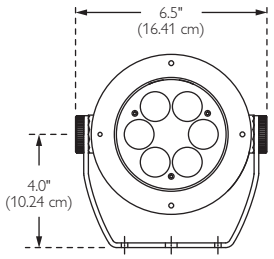
Finish: Standard finish is Anodized Satin Aluminum.

Listings: ETL/cETL Listed luminaire, to the UL 1598, UL 8750 standard, suitable for Wet Locations.

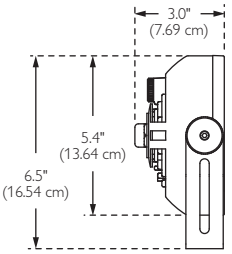
Warranty: Standard 5 Year Limited Warranty.

TAG-RD-6 Dimensions (yoke mount)

Front view

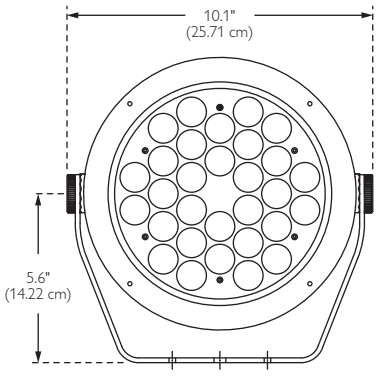


Side view

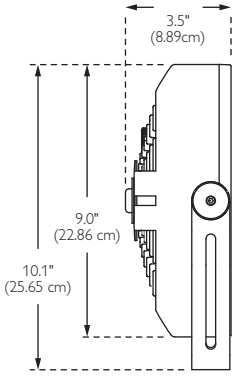


TAG-RD-30 Dimensions (yoke mount)

Front view



Side view



Ordering guide

TAG-RD - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series	# of LEDs	LED Color	Distribution	Voltage	Mounting	Options	Finish
TAG-RD	6	RGBD	SP9	24 VDC	YK	SG	TGR
	30	RGBM	SP12		SM		
		NW	FL18		UM	FDA-SEQ	
		CW	FL30			FDA-CUS	
			FL70				

Shielding Accessories		DMX Accessories
TS-TAGRD6	TS-TAGRD30	CLRD
FS-TAGRD6	FS-TAGRD30	HAP
SG-TAGRD6	SG-TAGRD30	DMXSR
Mounting accessories		Green Accessories
SM18-TGR	MF5-TGR	C2C

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0284.

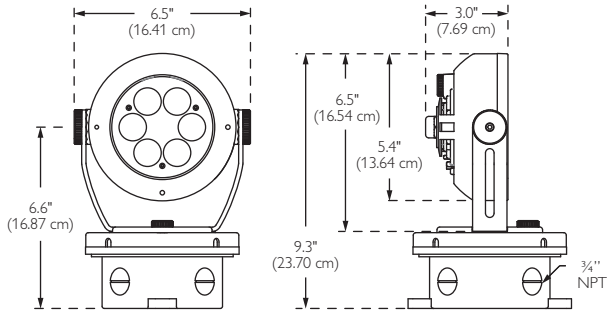
TAG-RD LED series

Architectural floodlighting

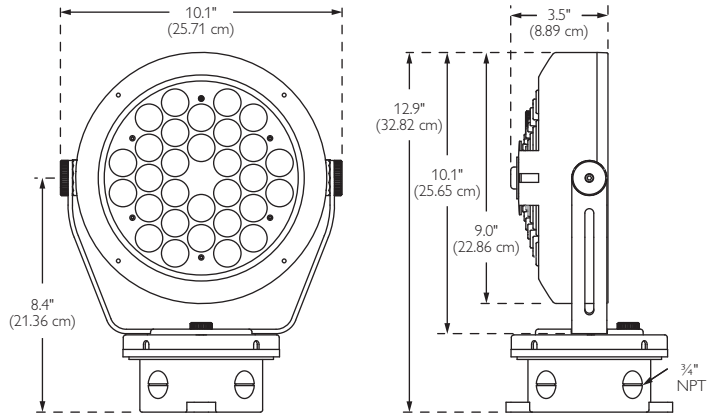
- TAG Round LED floodlights incorporate high brightness white and color-changing LEDs
- Color temperature: Neutral White: 4125 K +/- 175 K, Cool White: 6500 K +/- 250 K
- Available in spot or flood distributions
- Four levels of color changing control make TAG suitable for any project
- IP65 rated construction with die-cast aluminum housing and integrated heat sink

TAG-RD Dimensions (surface mount j-box)

TAG-RD-6

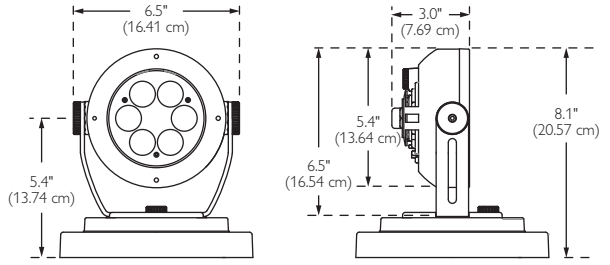


TAG-RD-30

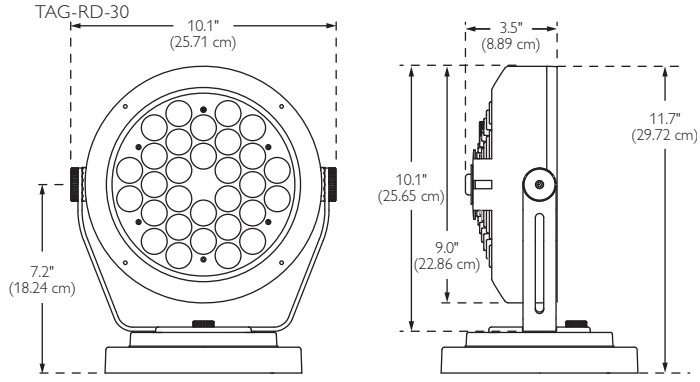


TAG-RD Dimensions (universal mount)

TAG-RD-6



TAG-RD-30



TAG-RD Technical data

	6 LED Unit		30 LED Unit	
	RGB	Cool/Neutral White	RGB	Cool/Neutral White
Fixture watts only	8 W	8 W	38 W	41 W
Total system watts (per fixture)	9 W	9 W	42 W	46 W
Average Initial Lumens @ 25°C Ambient	186	451	935	2290
Average Lumens per Watt @ 25°C Ambient	21	50	22	50
Average Initial Lumens @ 40°C Ambient	167	407	843	2065
Average Lumens per Watt @ 40°C Ambient	19	45	20	45

Note: Technical data subject to change. Refer to spec sheet for most current technical specs.

DFS1-SV

DFS1 series

Architectural floodlighting

- 2011 Lightfair International 'Best of Category' Innovation Award Winner
- DecoFlood Mini-Spot - 22-39 W HID (Mini MasterColor)
- Available distributions: narrow, medium or wide beam
- Swivel style with attached or remote box, Plate or surface mount available
- Internal shielding options (louvers) and external glare shield accessory available
- Lens options include beam softeners and spreaders as well as colored lens options
- IP65 rated construction, suitable for wet locations

Specifications

Distribution: NB (narrow beam), MB (medium beam), or WB (wide beam). Lens options include a beam softener and a horizontal or vertical beam spreader.

Housing: Constructed to IP65.

Ballast: 120V electronic ballast.

Style: SV (swivel attached box) or SVRB (swivel remote box).

Mounting: PL (plate mount) or SM (surface mount to j-box, by others).

Shielding: Factory installed internal shielding options include a half round or full round louver. Factory installed external shielding option includes a polycarbonate stone guard. Field installed external glares shield (visor) accessory is available.

Lens options: Lens options include lens holder that can hold up to two lenses. Lens holder comes pre-assembled to the fixture. Spread lens options: BSO (beam softener), HLBSP (beam spreader horizontal), VLBSP (beam spreader vertical). Color and Color Temp (warm / cool) Lens options are available.

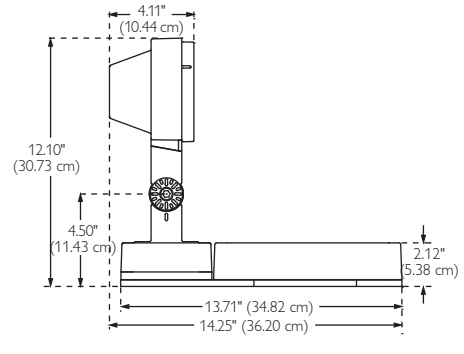
Finish: Polyester powder coating. TWO = two-tone (dark gray, silver), TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

DFS1-SV-PL Dimensions (swivel attached box, plate mount)

Note: See spec sheet for SVRB (remote box) plate mount details.



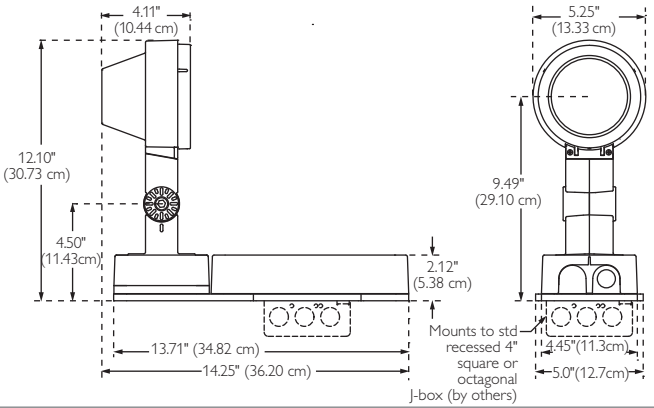
EPA (sq ft)

0.5

Weight: 9 lbs 4.08 kgs

DFS1-SV-SM Dimensions (swivel attached box, surface mount)

Note: See spec sheet for SVRB (remote box) surface mount details.



EPA (sq ft)

0.5

Weight: 9 lbs 4.08 kgs

Ordering guide

Series/source-wattage	Distribution		Ballast	Voltage	Style	Mounting	Options	Lens options		Finish	Accessories
Mini MasterColor	NB	Narrow beam	E	120	SV	PL	Internal shielding	Spread Lenses		TWO	GS-DFS1
(CMH Pulse Start)	MB	Medium beam			SVRB	SM	HRL	BSO		TSA	
DFS1P-22	WB	Wide beam					RL	HLBSP		TDB	
DFS1P-39							External shielding	VLBSP		TBK	
								Color Lenses	Color Temp Lenses	TWHT	
								SGFBL	WAF1	TGR	
								SGFLB	WAF2	TGN	
								SGFYE	WAF3	RAL(*)	
								SGFGN	COF2		
								SGFMG	COF3		
									COF4		

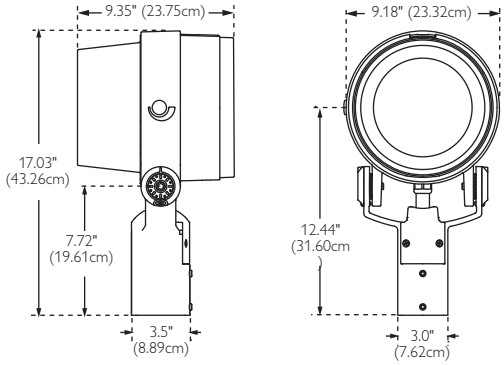
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0328.

DFS2 series

Architectural floodlighting

- 2011 Lightfair International 'Best of Category' Innovation Award Winner
- DecoFlood Small Round - 39-100 W HID (T6 or MasterColor Elite CMH pulse start)
- Available distributions: fixed or adjustable beam: medium or wide beam
- Swivel or yoke mount
- Internal shielding (louvers) and external shielding accessories available
- Lens options include beam softeners and spreaders as well as colored lens options
- IP65 rated construction, suitable for wet locations

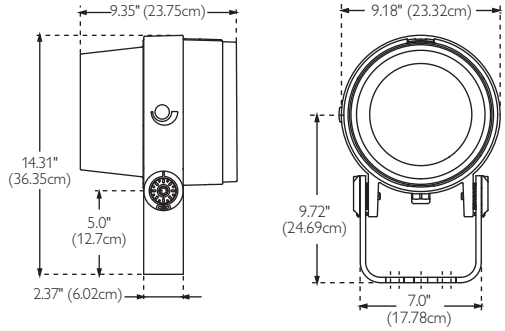
DFS2-SV Dimensions



EPA (sq ft)
0.7

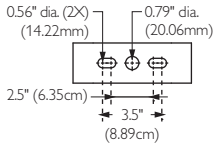
Weight: 17 lbs 7.7 kgs

DFS2-YK Dimensions



EPA (sq ft)
0.7

Weight: 17 lbs 7.7 kgs



Specifications

Distribution: Fixed Beam: NBF (narrow beam), MBF (medium beam). Adjustable Beam: MBA (medium beam), WBA (wide beam).

Housing: Constructed to IP65.

Ballast: Electronic ballast available in 120-277V and 347V.

Style / mounting: SV (swivel) or YK (yoke).

Shielding: A polycarbonate stone guard is available as a factory installed option. External shielding accessories include a glare shield (visor), cannon (full snoot), barn doors, half round and full round louvers.

Mounting accessories: Available for swivel mount or yoke mount style.

Lens options: Lens options include lens holder that can hold up to two lenses. Lens holder comes pre-assembled to the fixture. Spread lens options: BSO (beam softener), HLBSP (beam spreader horizontal), VLBSP (beam spreader vertical). Color and Color Temp (warm / cool) Lens options are available.

Finish: Polyester powder coating. TWO = two-tone (dark gray, silver), TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

Series/source-wattage	Distribution	Ballast	Voltage	Style	Options	Lens Options		Finish	Accessories	
T6 ceramic metal halide	Fixed beam	E	120	SV	Fusing	Spread Lenses		TWO	External Shielding	Swivel Mount
(Pulse Start)	NBF Narrow beam		208	YK	F1	BSO		TSA	BD-DFS2	WMB-16.5-(F)
DFS2PT-39	WBF Wide beam		240		F2	HLBSP		TDB	GS-DFS2	SMT-2-(F)
DFS2PT-70	Adjustable beam		277		F3	VLBSP		TBK	CN-DFS2	JB-VMT-(F)
MasterColor Elite	MBA Medium beam		347		External shielding	Color Lenses	Color Temp Lenses	TWHT	HLR-DFS2	SM-18-(F)
(CMH Pulse Start)	WBA Wide beam					SGFBL	WAF1	TGR	RL-DFS2	PTA-2180-16.5-(F)
DFS2E-39						SGFLB	WAF2	TGN		PTA-2090-16.5-(F)
DFS2E-70						SGFYE	WAF3	RAL(*)	Yoke Mount	PTA-3090-16.5-(F)
DFS2E-100						SGFGN	COF2		MF4-(F)	PTA-4090-16.5-(F)
						SGFMG	COF3		BP-(F)	
							COF4		JB-BP-(F)	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0329.

DFS3-SV

DFS3 series

Architectural floodlighting

- 2011 Lightfair International 'Best of Category' Innovation Award Winner
- DecoFlood Medium Round - 39-210 W HID (T6, MasterColor Elite, or standard HID)
- Distributions: fixed or adjustable: medium or wide beam; narrow beam gobo
- Swivel or yoke mount
- Internal shielding (louvers) and external shielding accessories available
- Lens options include beam softeners and spreaders as well as colored lens options
- IP65 rated construction, suitable for wet locations

Specifications

Distribution: Fixed: NBF (narrow beam), MBF (medium beam). Adjustable: MBA (medium beam), WBA (wide beam). Wide: WBF1, WBF2, or WBF3 (wide beam 1, 2 or 3). NGB (narrow beam with Gobo projector).

Housing: Constructed to IP65.

Ballast: Electronic ballast available in 120-277V and 347V. Master Color Elite not available in 480V. Magnetic ballast (HPS) available in 120-480 V.

Style / mounting: SV (swivel) or YK (yoke).

Shielding: A polycarbonate stone guard is available as a factory installed option. External shielding accessories include a glare shield (visor), cannon (full snoot), barn doors, half round and full round louvers.

Mounting accessories: Available for swivel mount or yoke mount style.

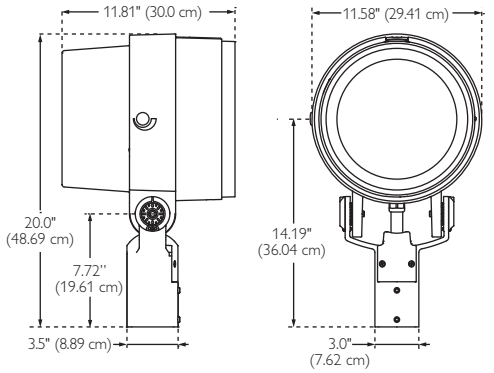
Lens Options: Lens options include lens holder that can hold up to two lenses. Lens holder comes pre-assembled to the fixture. Spread lens options: BSO (beam softener), HLBSP (beam spreader horizontal), VLBSP (beam spreader vertical). Color and Color Temp (warm / cool) Lens options are available.

Finish: TWO = two-tone (dark gray, silver), TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

DFS3-SV Dimensions

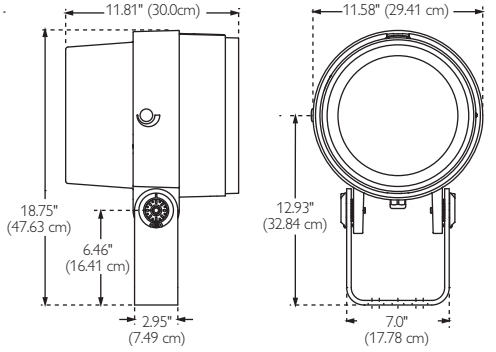


EPA (sq ft)

1.0

Weight: 34 lbs 15.4 kgs

DFS3-YK Dimensions



EPA (sq ft)

1.0

Weight: 34 lbs 15.4 kgs

mounting detail

Ordering guide

Series/source-wattage		Distribution		Ballast	Voltage	Style	Options	Lens options		Finish
T6 ceramic metal halide	PSMH	Fixed beam		E	120	SV	Fusing	Spread Lenses		TWO
(Pulse Start)	DFS3P-70	NBF	Narrow beam	Electronic ballast available with all sources except HPS	208	YK	F1	BSO		TSA
DFS3PT-39	DFS3P-100	MBF	Medium beam		240		F2	HLBSP		TDB
DFS3PT-70	DFS3P-150	WBF1	Wide beam 1		277		F3	VLBSP		TBK
DFS3PT-150	HPS	WBF2	Wide beam 2	C	347		External shielding	Color Lenses	Color Temp Lenses	TWHT
MasterColor Elite	DFS3S-70	WBF3	Wide beam 3	Core and coil magnetic ballast required with HPS	480[1]		BD	SGFBL	WAF1	TGR
(CMH Pulse Start)	DFS3S-100	Adjustable beam						SGFLB	WAF2	TGN
DFS3E-100	DFS3S-150	MBA	Medium beam					SGFYE	WAF3	RAL(*)
DFS3E-150		WBA	Wide beam					SGFGN	COF2	
DFS3E-210								SGFMG	COF3	
Short Arctube T6 CMH (Gobo projector only)		Gobo projector		**Note:** 1) 480V not available with MasterColor Elite.				FRD	COF4	
DFS3G-70		NBG	Narrow beam gobo							
DFS3G-150										

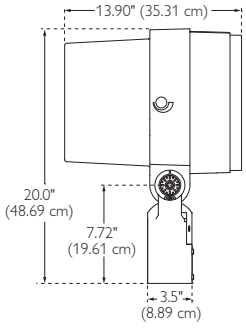
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0330.

DFS3 series

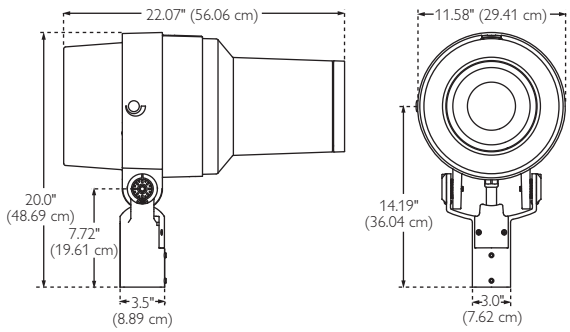
Architectural floodlighting

- 2011 Lightfair International 'Best of Category' Innovation Award Winner
- DecoFlood Medium Round - 39-210 W HID (T6, MasterColor Elite, or standard HID)
- Distributions: fixed or adjustable: medium or wide beam; narrow beam gobo
- Swivel or yoke mount
- Internal shielding (louvers) and external shielding accessories available
- Lens options include beam softeners and spreaders as well as colored lens options
- IP65 rated construction, suitable for wet locations

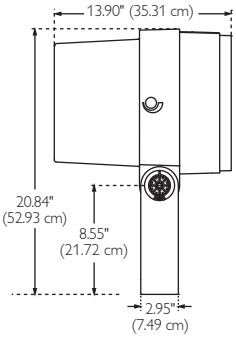
DFS3-SV Dimensions (DFS3E-210)



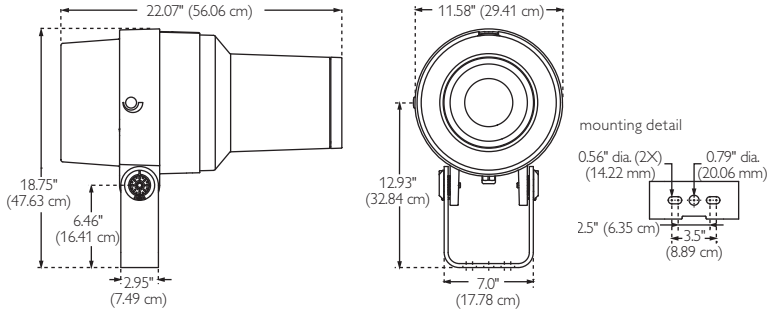
DFS3G-SV Gobo projector dimensions



DFS3-YK Dimensions (DFS3E-210)



DFS3G-YK Gobo projector dimensions



Ordering guide (continued)

		-	

Accessories

External Shielding (standard finish is black)		Swivel Mount accessories (F) = specify finish		Yoke Mount accessories (F) = specify finish	
BD-DFS3	Barn doors	**WMB-16.5-(F)**	Wall mounting bracket	**MF4-(F)**	Slip fitter (fits 2-3/8" O.D. tenon)
GS-DFS3	Glare shield (visor)	**SMT-2-(F)**	Surface mounted tenon	**BP-(F)**	Surface mount base plate
CN-DFS3	Cannon (full snoot)	**JB-VMT-(F)**	Junction box with SMT-2	**JB-BP-(F)**	Junction box with base plate
HLR-DFS3	Half round louver	**SM-18-(F)**	18" stanchion mount		
RL-DFS3	Full round louver	**PTA-2180-16.5-(F)**	Pole top adapter - 2@180		
		PTA-2090-16.5-(F)	Pole top adapter - 2@90		
		PTA-3090-16.5-(F)	Pole top adapter - 3@90		
		PTA-4090-16.5-(F)	Pole top adapter - 4@90		

DFS4-SV

DFS4-YK

DFS4 series

Architectural floodlighting

- 2011 Lightfair International 'Best of Category' Innovation Award Winner
- DecoFlood Medium Square - 39-150 W HID
- Spot, narrow, medium or wide beam, and asymmetric distributions
- Lens options include beam softeners and spreaders as well as colored lens options
- LumiStep dimming available with CosmoPolis source
- Swivel or yoke mount; IP65 rated, suitable for wet locations

Specifications

Distribution: Spot beam, narrow beam, medium beam, wide beam, and asymmetric 1 or 2 are available.

Housing: Constructed to IP65.

Ballast: Electronic ballast available in 120-277V and 347V. Magnetic ballast (HPS) available in 120-480 V.

Style / mounting: SV (swivel) or YK (yoke).

Shielding: A factory installed polycarbonate stone guard is available. External shielding accessories include barn doors, top shield (visor), four sided shield, three sided shield, horizontal, vertical and eggcrate louvers.

Mounting accessories: Available for swivel mount or yoke mount style.

Lens Options: Lens options include lens holder that can hold up to two lenses. Lens holder comes pre-assembled to the fixture. Spread lens options: BSO (beam softener), HLBSP (beam spreader horizontal), VLBSP (beam spreader vertical). Color and Color Temp (warm / cool) Lens options are available.

Finish: Polyester powder coating. TWO = two-tone (dark gray, silver), TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

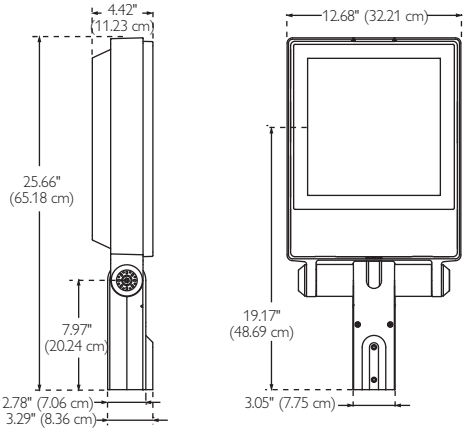
Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Note

1) 347V not available with CosmoPolis or MasterColor Elite.

DFS4-SV Dimensions

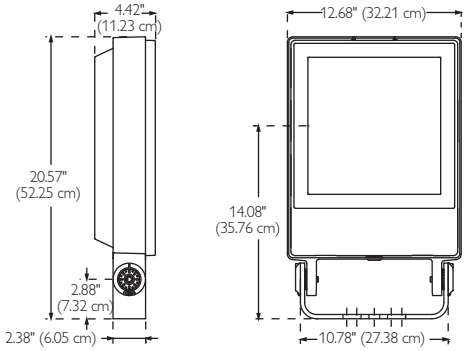


EPA (sq ft)

1.6

Weight: 31 lbs 14.06 kgs

DFS4-YK Dimensions

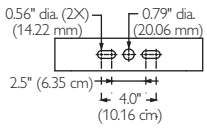


EPA (sq ft)

1.6

Weight: 31 lbs 14.06 kgs

mounting detail



Ordering guide

Series/source-wattage		Distribution		Ballast	Voltage	Style	Options	Lens options		Finish	Accessories
T6 (CMH PSMH)	PSMH	SP	Spot beam	E	120	SV	F1	Spread Lenses		TWO	External Shielding
DFS4PT-39	DFS4P-70	NB	Narrow beam	Electronic ballast available with all sources except HPS	208	YK	F2 / F3	BSO		TSA	BD-DFS4
DFS4PT-70	DFS4P-100	MB	Medium beam		240		PCB	HLBSP		TDB	TS-DFS4
DFS4PT-150	DFS4P-150	WB	Wide beam		277		CSR	VLBSP		TBK	4S-DFS4
CosmoPolis	HPS	A45	Asymmetric 1	C	347		LQ	Color Lenses	Color Temp Lenses	TWHT	3S-DFS4
DFS4C-60	DFS4S-70	A60	Asymmetric 2	Core and coil magnetic ballast required with HPS	480		LQ1	SGFBL	WAF1	TGR	HL-DFS4
DFS4C-90	DFS4S-100						LS6	SGFLB	WAF2	TGN	VL-DFS4
DFS4C-140	DFS4S-150						LS8	SGFYE	WAF3	RAL(*)	EC-DFS4
MasterColor Elite							LS10	SGFGN	COF2		See spec sheet for available mounting accessory details for Swivel mount and Yoke mount styles.
DFS4E-39							BD	SGFMG	COF3		
DFS4E-70									COF4		
DFS4E-100											
DFS4E-150											

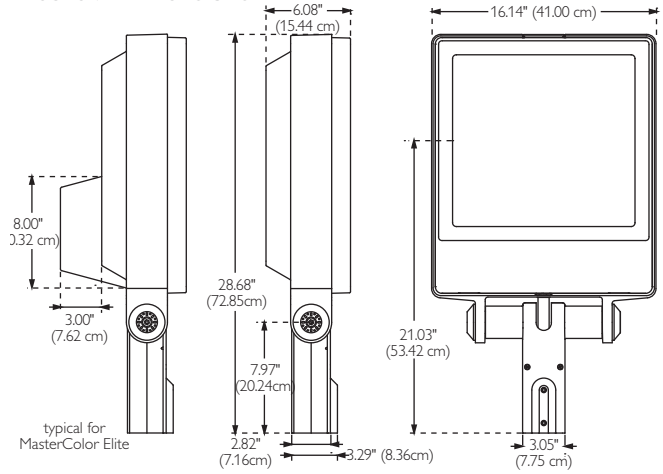
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0331.

DFS5 series

Architectural floodlighting

- 2011 Lightfair International 'Best of Category' Innovation Award Winner
- DecoFlood Large Square - 210-400 W HID
- Spot beam, narrow, medium or wide beam, or asymmetric distributions
- Swivel or yoke mount
- Lens options include beam softeners and spreaders as well as colored lens options
- IP65 rated construction, suitable for wet locations

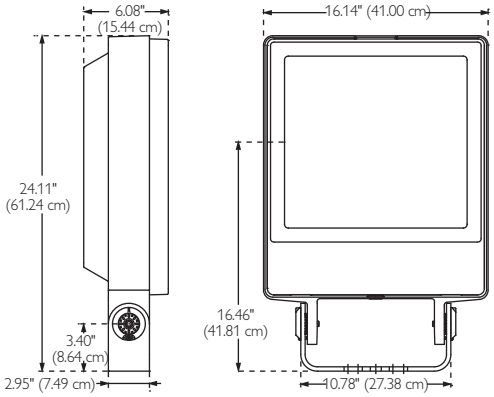
DFS5-SV Dimensions



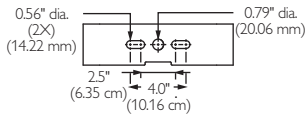
EPA (sq ft)
2.4

Weight: 47 lbs 21.3 kgs

DFS5-YK Dimensions



mounting detail



EPA (sq ft)
2.4

Weight: 47 lbs 21.3 kgs

Specifications

Distribution: Spot beam, narrow beam, medium beam, wide beam, and asymmetric 1 or 2 are available.

Housing: Constructed to IP65.

Ballast: Electronic ballast available in 120-277V and 347V. Magnetic ballast (HPS) available in 120-480 V.

Style / mounting: SV (swivel) or YK (yoke).

Shielding: A polycarbonate stone guard is available as a factory installed option. External shielding accessories include barn doors, top shield (visor), four sided shield, three sided shield, horizontal, vertical and eggcrate louvers.

Mounting accessories: Available for swivel mount or yoke mount style.

Lens Options: Lens options include lens holder that can hold up to two lenses. Lens holder comes pre-assembled to the fixture. Spread lens options: BSO (beam softener), HLBSP (beam spreader horizontal), VLBSP (beam spreader vertical). Color and Color Temp (warm / cool) Lens options are available.

Finish: Polyester powder coating. TWO = two-tone (dark gray, silver), TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty.

Notes

1) 347V not available with CosmoPolis or MasterColor Elite.

2) DFSP-200 is not available with magnetic ballast ('C')

Ordering guide

Series/source-wattage		Distribution		Ballast	Voltage	Style	Options	Lens options		Finish	Accessories
MasterColor Elite		SP	Spot beam	E	120	SV	F1	Spread Lenses		TWO	External Shielding
DFS5E-210		NB	Narrow beam	Electronic ballast available with all sources except HPS	208	YK	F2	BSO		TSA	BD-DFS4
DFS5E-315		MB	Medium beam		240		F3	HLBSP		TDB	TS-DFS4
		WB	Wide beam		277		PCB	VLBSP		TBK	4S-DFS4
PSMH	HPS	A45	Asymmetric 1	C	347		CSR	Color Lenses	Color Temp Lenses	TWHT	3S-DFS4
DFS5P-200	DFS5S-250	A60	Asymmetric 2	Core and coil magnetic ballast required with HPS	480		LQ	SGFBL	WAF1	TGR	HL-DFS4
DFS5P-250	DFS5S-400						LQ1	SGFLB	WAF2	TGN	VL-DFS4
DFS5P-320							BD	SGFYE	WAF3	RAL(*)	EC-DFS4
DFS5P-350								SGFGN	COF2		See spec sheet for mounting accessories.
DFS5P-400								SGFMG	COF3		
									COF4		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0332.

EFX series

Architectural floodlighting

- EFX Architectural floodlight available in 13" (70-400 W) and 19" (450-1000 W) housing
- Field rotatable mastfitter mount standard in horizontal or vertical mounts
- Extensive array of high performance optics
- Die-cast aluminum housing of marine-grade alloy, constructed to IP65
- Marine Listing available, constructed to IP66

Specifications

Housing: Die-cast aluminum of marine-grade alloy. Totally sealed from particulate entry. Lens accessible with a single tool. Separate ballast and optical housing. Standard unit constructed to IP65. MEFX Series, with Marine Listing, constructed to IP66.

Door frame and lens assembly: One piece die-cast aluminum door frame with easy Lamp access. Clear tempered glass lens withstands thermal and physical shock. Cored holes in door frame allow attachment of shielding options.

Optical module: High purity anodized aluminum reflectors. Multi-faceted, high reflectivity, segmented reflectors. Field-rotatable and exchangeable Quick disconnect Optical assembly.

Socket: Porcelain, grip-type, mogul base, 4 kV (5 kV for 1000W HPS) pulse-rated for 70-1000 W.

Ballast: Ballast shall be HPF with reliable starting down to -29°C (-20°F) for MH, -34°C (-30°F) for PSMH, and -40°C (-40°F) for HPS. Ballast has Class H 180°C (356°F) rated insulation. Ballast assembly is unitized on heavy-duty mounting tray with quick disconnect plug to optical chamber.

Mounting: Field-rotatable mastfitter standard, allowing different mounting profiles. Internal mastfitter designed to fit vertical or horizontal 2-3/8" O.D. tenon.

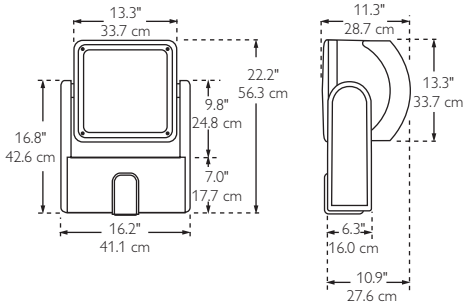
Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Listings: ETL/cETL listed to UL 1598 standard, suitable for wet locations. UL1598A Marine Listing available.

Warranty: Standard 5 Year Limited Warranty

EFX Dimensions (13")

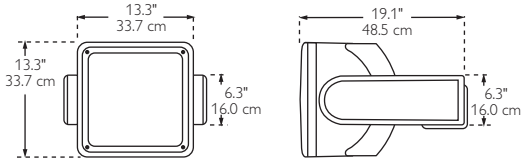
13" Housing, vertical mount



EPA (sq ft)	13"	
Vertical Mount	2.7	.25 M²
Horizontal Mount	1.6	.15 M²

Weight: 55 lbs 24.9 kg

13" Housing, horizontal mount



Ordering guide

Marine	Series/source-wattage		Optics	Voltage	Mounting	Options	Finish	Accessories		
M	PSMH	HPS	A	120	VM	CSR	TSA	IGL-40-EFX	CMC-EFX-(F)	F1-KIT
	13" Housing	13" Housing	B	208	HM	LQ	TDB	IGL-10-EFX	AL-40-EFX-(Color)	F2-KIT
	EFXP-150	EFXS-150	C	240	LB-MA2	LQ1	TBK	WG-40-EFX	AL-10-EFX-(Color)	F3-KIT
	EFXP-175	EFXS-250	D	277	LB-Y	F1	TWHT	WG-10-EFX	EFX-HD-BD-40-(F)	MPA-16.5-(F)
	EFXP-250	EFXS-400	E	347		F2 / F3	TGR	ALF-40-EFX	EFX-HD-BD-10-(F)	AL-40-EFX
	EFXP-350	19" Housing	AV	480		BL	TGN	ALF-10-EFX	JB-VMT-EFX-(F)	AL-10-EFX
	EFXP-400	EFXS-750	BV	QV		TL	RAL(*)	ALF-40-EFX-(*)	PTA-H2180-11.0-(F)	PX-1
	19" Housing	EFXS-1000	CV			SLS	M(F)	ALF-10-EFX-(*)	PTA-2180-16.5-(F)	FB-1
	EFXP-450	MH				PB		SK-40-EFX-(F)	PTA-2090-16.5-(F)	SM-18-(F)
	EFXP-750	EFXM-1000				50HZ		SK-10-EFX-(F)	PTA-3090-16.5-(F)	WB-1
	EFXP-1000					PCB		WMB-16.5-(F)	PTA-4090-16.5-(F)	WB-5
						GSL				SMT-2-(F)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0121.

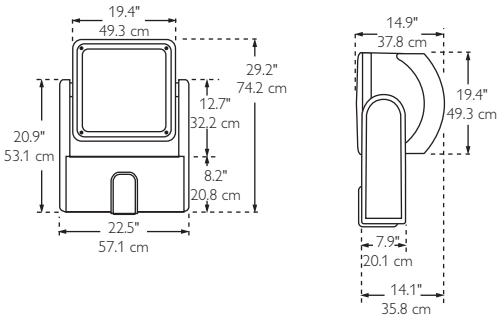
EFX CosmoPolis & MasterColor Elite series

Architectural floodlighting

- EFX Architectural floodlight available in 13" (60-140 W) and 19" (210-315 W) housing
- Available in MasterColor Elite and CosmoPolis
- Extensive array of high performance optics
- Die-cast aluminum housing of marine-grade alloy, constructed to IP65
- Marine Listing available, constructed to IP66

EFX Dimensions (19")

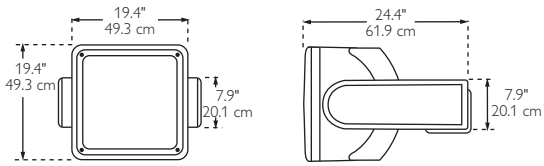
19" Housing, vertical mount



EPA (sq ft)	19"	
Vertical Mount	5.1	.47 M^2
Horizontal Mount	3.3	.30 M^2

Weight: 75 lbs 34.1 kg

19" Housing, horizontal mount



Specifications

EFX CosmoPolis / MasterColor Elite HID: EFX CosmoPolis and MasterColor Elite HID series of products utilize a special ceramic metal halide lamp and electronic ballast gear, providing the highest quality of white light in an extremely efficient and extended life package.

Superior lumen maintenance and added energy savings: The digitally microprocessor-controlled ignitor in the MasterColor Elite ballast gear virtually eliminates lamp electrode wear and arc tube wall blackening, helping to extend lamp life and increase lumen maintenance. The MasterColor Elite has a lumen maintenance rating greater than 80% at end of life (60%-70% for traditional sources).

Ballast: EFX CosmoPolis and MasterColor Elite ballasts have an extremely long, 60,000 hour life. 50/60 Hz. Both ballasts include built-in end of life and overheating protections as well as open and short circuit lamp protections. CosmoPolis (60W / 90W / 140W) systems are suitable for operation in an ambient temperature range of -20°C (-4°F) to 35°C (95°F). MasterColor Elite (210W / 315W) systems are suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F).

Dimming capabilities: BL option provides bi-level (hi/low) dimming to 50% power. AD option provides analog (full range) dimming to 50% power. Available for 19" MasterColor Elite 210W and 315W units.

Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Listings: ETL/cETL listed to UL 1598 standard, suitable for wet locations. UL1598A Marine Listing available.

Warranty: Standard 5 Year Limited Warranty

Ordering guide

Marine	Series/source-wattage	Optics	Voltage	Dimming	Mounting	Options	Finish	Accessories
M	CosmoPolis	A	120E	BL	VM	CSR	TSA	* See EFX for available Accessories
	(13" housing)	B	208E	AD	HM	LQ1	TDB	
	EFXP-60	C	240E		LB-MA2	F1	TBK	
	EFXP-90	D	277E		LB-Y	F2	TWHT	
	EFXP-140	E				PCB	TGR	
	MasterColor Elite	AV				GSL	TGN	
	(19" housing)	BV					RAL(*)	
	EFXP-210	CV					M(F)	
	EFXP-315							

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0308.

EFI series

Architectural floodlighting

- EFI Series floodlight up to 1000 W HID, QL Induction also available
- Die-cast aluminum housing of marine-grade alloy
- Mastfitter (standard) or yoke mounts available
- IP65 rated construction with die-cast aluminum housing of marine-grade alloy
- Field-rotatable and exchangeable reflector assemblies

Specifications

Housing: Die-cast aluminum of marine-grade alloy. Corrosion resistant hardware. Sealed from particulate entry. Easy access to lens assembly. Mastfitter provides 195° aiming. Yoke mount provides 360° aiming.

Door frame and lens assembly: One piece die-cast aluminum door frame retained by hinge for easy Lamp access. Tempered glass lens withstands thermal and physical shock. Multiple shielding options available.

Optical module: Field rotatable and exchangeable. Five beam patterns available. Multi-faceted, high reflectivity reflectors. DQL beam pattern only with QL.

Socket: HID Units: Porcelain, grip-type mogul base, 4 kV rated (5 kV rated for 1000 W HPS); 70-175 W units have medium base sockets. QL Units: Lamp and lamp holder are pre-assembled and are integral in QL induction lamp units.

Ballast: HID Units: Ballast is factory installed and wired with leads extending into the mastfitter for field connection within the wiring compartment. Ballast is HPF with reliable starting to -29°C (-20°F) for MH, -34°C (-30°F) for PSMH, and -40°C (-40°F) for HPS. Class H, 180°C (356°F) rated insulation. QL Units: Electronic ballast, high frequency, HPF with reliable starting to -40°C (-40°F), with THD of <10%. QL has 100,000 hr rated lamp life.

Mounting: Heavy-duty, die-cast aluminum mastfitter (MA2) is standard. Yoke bracket allows mounting to any flat surface and includes prewired SO cord.

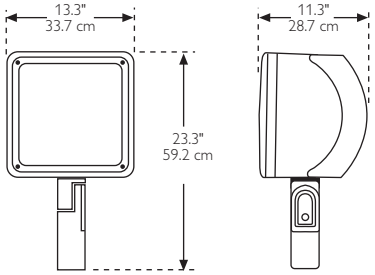
Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Listings: ETL/cETL listed to UL 1598 standard, suitable for wet locations.

Warranty: Standard 5 Year Limited Warranty

EFI Dimensions

13" Housing (70-400 W)

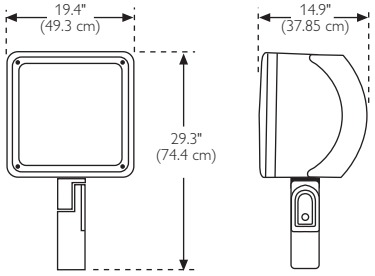


EPA (sq ft)

1.6 .14 M²

Weight: 43 lbs 19.5 kg

19" Housing (400-1000 W HID and 85-165 QL)



EPA (sq ft)

3.5 .32 M²

Weight: 70 lbs 31.7 kg

Ordering guide

Series/source-wattage		Optics	Voltage	Mounting	Options	Finish	Accessories		
PSMH	HPS	W	120	MA2	BL	TSA	F1-KIT	WMB-16.5-(F)	IGL-40-EFX
EFIP-70	EFIS-70	CO	208	Y	CSR	TDB	F2-KIT	AL-40-EFX-(Color)	IGL-10-EFX
EFIP-100	EFIS-100	HF	240		LQ	TBK	F3-KIT	AL-10-EFX-(Color)	MPA-16.5-(F)
EFIP-150	EFIS-150	VF	277		LQ1	TWHT	AL-40-EFX	EFX-HD-BD-40-(F)	WG-40-EFX
EFIP-250	EFIS-250	SP	347		F1	TGR	AL-10-EFX	EFX-HD-BD-10-(F)	WG-10-EFX
EFIP-400	EFIS-400	DQL	480		F2	TGN	ALF-40-EFX	JB-VMT-EFX-(F)	PX-1
EFIP-1000	EFIS-750		QV		F3	RAL(*)	ALF-10-EFX	PTA-H2180-11.0-(F)	FB-1
MH	EFIS-1000				GSL		ALF-40-EFX-(*)	PTA-2180-16.5-(F)	SM-18-(F)
IFXM-1000	QL Induction				50HZ		ALF-10-EFX-(*)	PTA-2090-16.5-(F)	WB-1
	EFIQL-85				PCB		SK-40-EFX-(F)	PTA-3090-16.5-(F)	WB-5
	EFIQL-165						SK-10-EFX-(F)	PTA-4090-16.5-(F)	SMT-2-(F)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0122.

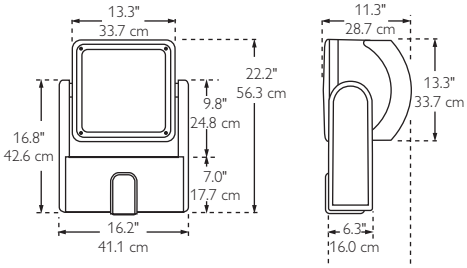
IFX series

Industrial floodlighting

- Marine listed industrial floodlight available up to 1000 W HID
- Die-cast aluminum housing of marine-grade alloy
- Available with horizontal or vertical mounting
- Superior lighting performance with unmatched efficiencies and ballast life
- Constructed to IP66

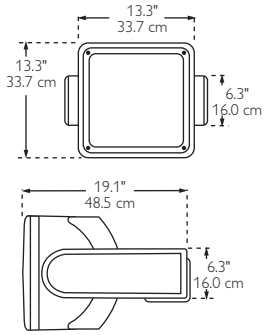
IFX Dimensions

13" Housing, Vertical Mount (70-400W)

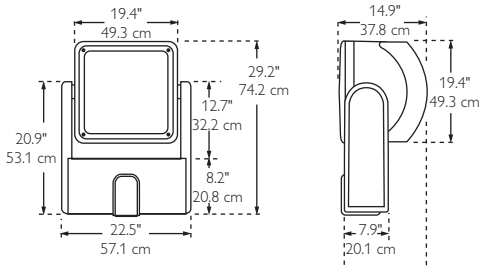


Weight: 65 lbs 29.4 kg

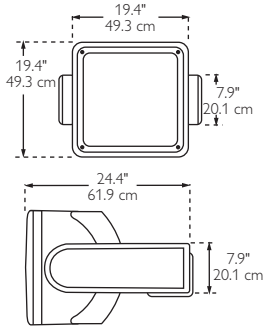
13" Housing, Horizontal Mount



19" Housing, Vertical Mount (400-1000W)



19" Housing, Horizontal Mount



EPA (sq ft)	13"	19"
Vertical Mount	2.7 .25 M²	5.1 .47 M²
Horizontal Mount	1.6 .15 M²	3.3 .30 M²

Weight: 90 lbs 40.8 kg

Specifications

Housing: Die-cast aluminum housing of marine-grade alloy. Corrosion resistant hardware. Housing sealed from particulate entry. Lens assembly accessible with a single tool. Separate ballast and optical housing supported by common die-cast aluminum arms. Constructed to IP66.

Door frame and lens assembly: One piece die-cast aluminum door frame retained by hinge for easy Lamp access. Mechanical stops ensure proper compression of memory retentive gasket. Cored holes allow attachment for glare shield, polycarbonate lens, barn doors, lens frame etc. Clear tempered glass lens.

Optical module: High purity anodized aluminum reflectors. Multi-faceted segmented for high-reflectivity. Field-rotatable and exchangeable.

Socket: Sockets are porcelain, grip-type, mogul base, 4 kV (5 Kv for 1000 W HPS) pulse-rated for 70-1000 W. The glass end of the lamp is held in precise alignment and protected against breakage by a Stabilux socket.

Ballast: SilentGuard HPF ballast with reliable starting down to -29°C (-20°F) for MH, -34°C (-30°F) for PSMH, and -40°C (-40°F) for HPS. Ballast has Class H 180°C (356°F) rated insulation. Crest factor will not exceed 1.8.

Mounting: Provided in the ballast housing by a field-rotatable mastfitter, fits vert. or horiz.2-3/8" O.D. tenon.

Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number). Marine grade finish is available.

Listings: ETL/cETL listed to the UL 1598A Marine Listing standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty

Ordering guide

Series/source-wattage		Optics	Voltage	Mounting	Options	Finish
PSMH	HPS	A	120	VM	BL	TSA
IFXP-150	IFXS-150	B	208	HM	TL	TDB
IFXP-175	IFXS-250	C	240		CSR	TBK
IFXP-250	IFXS-400	D	277		LQ	TWHT
IFXP-350	IFXS-750	E	347		LQ1	TGR
IFXP-400	IFXS-1000	AV	480		GSL	TGN
IFXP-450	MH	BV	QV		50HZ	RAL(*)
IFXP-750	IFXM-1000	CV			PCB	M(F)
IFXP-1000						

Accessories		
AL-40-EFX	AL-40-EFX-(Color)	IGL-40-EFX
AL-10-EFX	AL-10-EFX-(Color)	IGL-10-EFX
ALF-40-EFX	EFX-HD-BD-40-(F)	MPA-16.5-(F)
ALF-10-EFX	EFX-HD-BD-10-(F)	WG-40-EFX
ALF-40-EFX-(*)	JB-VMT-EFX-(F)	WG-10-EFX
ALF-10-EFX-(*)	PTA-H2180-11.0-(F)	PX-1
SK-40-EFX-(F)	PTA-2180-16.5-(F)	FB-1
SK-10-EFX-(F)	PTA-2090-16.5-(F)	SM-18-(F)
CMC-EFX-(F)	PTA-3090-16.5-(F)	WB-1
WMB-16.5-(F)	PTA-4090-16.5-(F)	WB-5
		SMT-2-(F)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0123.

F series

Industrial floodlighting

- F Series industrial floodlight 250-1500 W HID
- Two housing sizes available: 23" (400 W max) and 26" (1000-1500 W max)
- Die-cast aluminum alloy housing with heat dissipating fins and built in aiming device
- Superior floodlighting performance with unmatched efficiencies and ballast life
- Constructed to IP65

Specifications

Housing: Die-cast aluminum housing of marine-grade alloy with integrally cast, heat dissipating fins and a built-in aiming device. Totally sealed from particulate entry.

Optical assembly: High purity, anodized aluminum reflectors, assembled without machine forming for maximum efficiency.

Lamp access: A gasketed and removable socket assembly provides Lamp access from below for re-lamping without re-aiming. High temperature gasket provides positive, weatherproof seal.

Lens: Clear tempered glass lens withstands thermal & physical shock, held in place by an aluminum lens frame and sealed to housing flange by one extruded gasket and stainless steel screws for a sealed Optical assembly.

Socket: Pre-wired grip-type mogul base. Glass end of lamp is held in precise alignment by a Stabilux socket.

Ballast: SilentGuard HPF ballast with reliable starting down to -29°C (-20°F) for MH, -34°C (-30°F) for PSMH, and -40°C (-40°F) for HPS. Ballast has Class H, 180°C (356°F) rated insulation. Core and coil are encapsulated in a polyester resin compound with the capacitor located outside the encapsulation for ease of maintenance. Ballast components are enclosed in a drawn aluminum container. The fixture and ballast are separate but integral components.

Mounting: Standard cast aluminum ballast base provides integral mastfitter, suitable for mounting to a 2-3/8" O.D. vertical tenon.

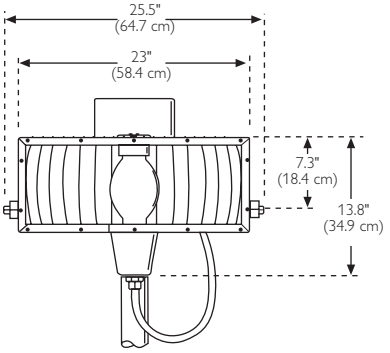
Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number). Marine grade finish is available.

Listings: ETL/cETL listed to UL 1598 standard, suitable for Wet Locations. ETL/cETL listed to the UL 1598A Marine Listing standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty

F Dimensions (23" housing)

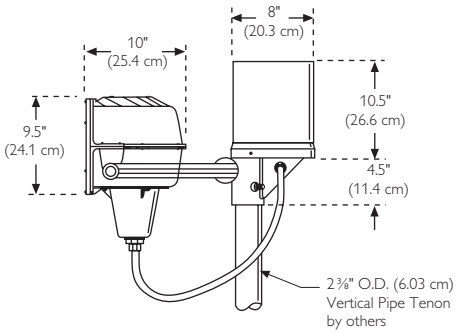
Front view



EPA (sq ft)		
23" Housing	1.85	.17 M^2

Weight: 66 lbs 29.9 kg

Side view



Ordering guide

Marine	Series/source-wattage		Optics	Voltage	Options		Finish	Accessories		
M	PSMH	HPS	A	120	BL	LB	TSA	MF-1-(F)	F-F1-KIT-(F)	SMB-1000
	FP-250	FS-400	B	208	LQ	CO	TDB	TH-1-(F)	F-F2-KIT-(F)	FB-1
	FP-350	FS-1000	C	240	LQ40	HAZ	TBK	HV-1-(F)	F-F3-KIT-(F)	PCM-1
	FP-400		D	277	F-F1	50HZ	TWHT	WB-1-(F)	ALF-4-F-L/Lens-(F)	SK-40-(F)
	FP-1000			347	F-F2	TG	TGR	WB-5-(F)	ALF-10-F-L/Lens-(F)	SK-100-(F)
	MH			480	F-F3		TGN	PX-1-(F)	ALF-10-F-L/GLASS-LV8-(F)	PM-1
	FM-1000			QV	PB(X)		RAL(*)	AL-4-F	LENS-ALF-F-4-Glass-(color)	PM-2
	FM-1500				EPXY-CTD-WHT		M(F)	AL-10-F	LENS-ALF-F-10-Glass-(color)	PM-3
					EPXY-CTD-GR				SMB-400	PM-4

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0124.

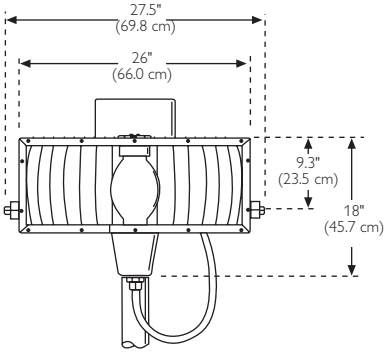
F-HAZ series

Industrial floodlighting

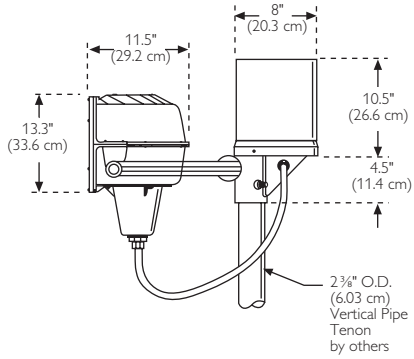
- Hazardous location listed F Series industrial floodlight
- UL 844 Hazardous location listed: Class I, Division 2, Groups A, B, C, D
- Die-cast aluminum alloy housing with built in aiming device, constructed to IP66
- 400-1000 W HID standard HID sources

F Dimensions (26" housing)

Front view



Side view



EPA (sq ft)		
26" Housing	2.93	.27 M²

Weight: 92 lbs 41.7 kg

Temperature chart

Lamp		Class I, Div II maximum operating temperatures		
Source	Wattage	Max. Internal Temp.	Max. External Temp.	T Rating
MH	1000	339°C	163°C	T1
PSMH	400	316°C	131°C	T1
PSMH	1000	339°C	163°C	T1
HPS	400	374°C	110°C	T1
HPS	1000	373°C	123°C	T1

Specifications

Housing: Die-cast aluminum housing of marine-grade alloy with integrally cast, heat dissipating fins and a built-in aiming device. Dust-Tite housing totally sealed from particulate entry. Standard unit constructed to IP65. Marine Listed, MF Series, constructed to IP66.

Optical assembly: High purity, anodized aluminum, high reflectivity reflectors, assembled without machine forming to assure maximum efficiency.

Lamp access: A gasketed and removable socket assembly provides Lamp access from below. Allows re-lamping without re-aiming. High temperature gasket provides positive, weatherproof seal.

Lens: Clear tempered glass lens to withstand thermal and physical shock, held in place by an aluminum (extruded: 400 W, die-cast: 1000/1500 W) lens frame and sealed to housing flange by one extruded, high temperature gasket and stainless steel screws to provide a sealed Optical assembly.

Socket: Pre-wired grip-type mogul base socket. Glass end of the lamp is held in precise photometric alignment and protected from breakage by a Stabilux socket.

Ballast: SilentGuard high power factor ballast with reliable starting down to -29°C (-20°F) for Metal Halide, -34°C (-30°F) for PSMH, and -40°C (-40°F) for HPS. Ballast has Class H, 180°C (356°F) rated insulation. Crest factor does not exceed 1.8. Core and coil are encapsulated in a polyester resin compound with the capacitor located outside the encapsulation for ease of maintenance. Ballast components are enclosed in a drawn aluminum container. The fixture and ballast are arranged as separate but integral components.

Mounting: Standard cast aluminum ballast base provides integral mastfitter, suitable for mounting to a 2-3/8" O.D. vertical tenon. Alternate mounting accessories available.

Finish: Marine grade finish is available (M(F)). F = Specify color.

Listings: ETL/cETL listed to the UL 844 standard - Hazardous Location Listing (HAZ option for MF Series).

Warranty: Standard 5 Year Limited Warranty

Ordering guide

[ ] - [ ] - [ ] - [HAZ] - [ ] - [ ] [ ]

Series/source-wattage		Optics	Voltage	HAZ Listing	Options		Finish	Accessories		
PSMH	HPS	A	120	HAZ	LQ	LB	M(F)	WB-1-(F)	ALF-4-F-L/Lens-(F)	SMB-1000
MFP-400	MFS-400	B	208		LQ40	CO		WB-5-(F)	ALF-10-F-L/Lens-(F)	FB-1
MFP-1000	MFS-1000	C	240		50HZ	BL		PX-1-(F)	ALF-10-F-L/GLASS-LV8-(F)	PCM-1
MH		D	277		TG	PB(X)		AL-4-F	LENS-ALF-F-4-Glass-(color)	PM-1
MFM-1000			347		EPXY-CTD-WHT			AL-10-F	LENS-ALF-F-10-Glass-(color)	PM-2
			480		EPXY-CTD-GR			SK-40-(F)	SMB-400	PM-3
			QV					SK-100-(F)		PM-4

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0124.

AF1000 series

Industrial floodlighting

- Aktra 1000 cutoff floodlight offers 400-1000 W HID
- Marine grade listing available, constructed to IP66
- Permanent mold aluminum alloy housing with heat dissipating fins
- Secondary reflector element allows for high beam utilization
- Standard unit constructed to IP65

Specifications

Housing: Permanent mold aluminum alloy with integrally cast heat dissipating fins. Marine unit housing is specially constructed with copper content less than 0.4% for corrosion control in harsh environments. Totally sealed from particulate entry. Standard unit constructed to IP65. MAF Series, Marine Listing, constructed to IP66.

Optics: High purity anodized reflectors for maximum efficiency. Secondary internal reflector element reflects high angle rays back into the beam to achieve high beam utilization. Meets IES definition of Cutoff distribution.

Lamp access: Gasketed and removable socket assembly provides convenient Lamp access opposite the pre-wired base socket.

Lens: Tempered glass lens withstands thermal and physical shock. Held by an extruded aluminum frame and sealed to the housing by an extruded gasket and stainless steel screws to provide a sealed Optical assembly.

Socket: Grip-type mogul base socket is pre-wired. Glass end of lamp is held in precise photometric alignment and protected from breakage by a Stabilux socket.

Ballast: SilentGuard HPF ballast designed for -40°C (-40°F) starting temperature HPS, -34°C (-30°F) for PSMH. 180°C (356°F) Class H insulation system. Ballast components are enclosed in a drawn aluminum container. Fixture and ballast are separate but integral components.

Mounting: Cast aluminum ballast base provides integral mastfitter, suitable for mounting to a 2-3/8" O.D. vertical tenon. Less Ballast version requires Mastfitter option.

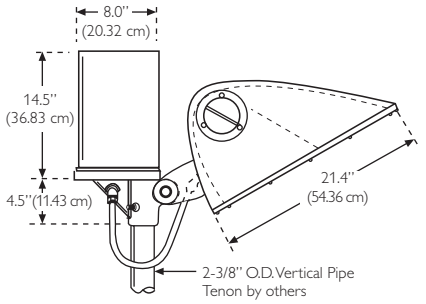
Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, and TGN = textured green. Marine grade finish is available.

Listings: ETL/cETL listed to the UL 1598 standard, suitable for wet locations, UL1598A Marine Listing available.

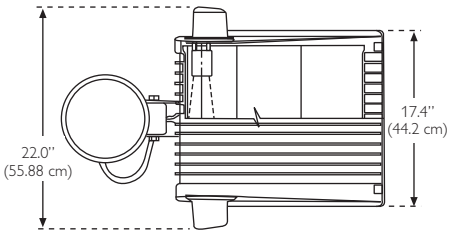
Warranty: Standard 5 Year Limited Warranty

AF1000 Dimensions

Side view



Top view



EPA (sq ft)		
Standard unit	2.0	.18 M^2
Less ballast unit	1.5	.14 M^2

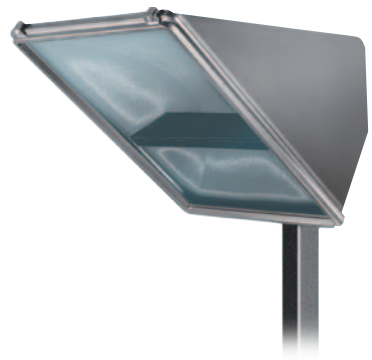
Weight: 90 lbs 40.8 kg

Ordering guide

Marine listing	Series/source-wattage	Optics	Voltage	Options		Finish	Accessories	
M	PSMH	A	120	BL	MF-1	TSA	F-F1-KIT-(F)	PX-1-(F)
	AFP-1000	C	208	TL	TG	TDB	F-F2-KIT-(F)	AL-10-AF
	HPS		240	CSR	50HZ	TBK	F-F3-KIT-(F)	PM-1
	AFS-400		277	LQ	EPXY-CTD-GR	TWHT	PCM-1-(F)	PM-2
	AFS-1000		347	LQ1	EPXY-CTD-WHT	TGR	WB-1-(F)	PM-3
			480	F-F1		TGN	WB-5-(F)	PM-4
			QV	F-F2		RAL(*)	FB-1-(F)	
				F-F3		M(F)		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0153.

A2 1000 series

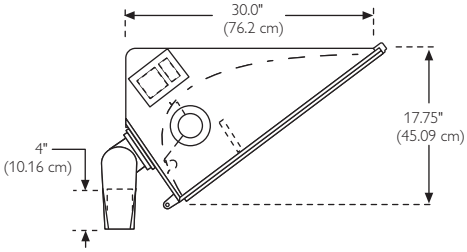


Industrial floodlighting

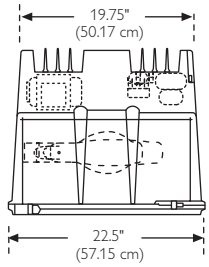
- Aktra II 1000 floodlight offers 1000 W PSMH, MH and HPS
- Cast aluminum alloy housing with integral heat dissipating fins
- Precise cutoff to control glare and restrict spill light
- May be specified with a mastfitter or a steel yoke for mounting to any flat surface
- Standard Unit constructed to IP54

A2 1000 Dimensions

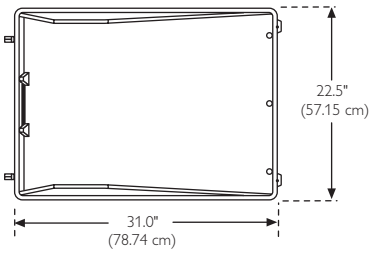
Side view, mastfitter mount (M)



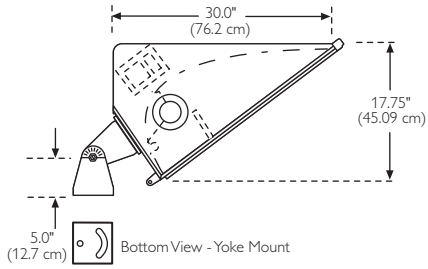
End view



Lens



Side view, yoke mount (Y)



EPA (sq ft)
3.4 .31 M^2

Weight: 96 lbs 43.5 kg

Specifications

Housing: Cast aluminum alloy housing with integral heat dissipating fins and heavy-duty hinges.

Optics: Aktra reflector system. High purity anodized aluminum reflectors assure maximum efficiency. A secondary internal reflector element reflects high angle rays back into the beam to achieve high beam utilization. Meets IES definition of cutoff distribution.

Lamp access: Hinged lens frame allows convenient access.

Lens: Clear tempered glass lens is secured to cast aluminum door frame by 10 retaining clips and sealed with a gasket.

Socket: Pre-wired grip-type mogul base socket, 4 kV rated for MH, 5 kV for HPS. Glass end of the lamp is held in precise photometric alignment and protected from breakage by a Stabilux socket.

Ballast: HPF ballast with reliable starting down to -29°C (-20°F) for MH lamps, -34°C (-30°F) for PSMH lamps, and -40°C (-40°F) for HPS. Ballast has Class H, 180°C (356°F) rated insulation. Capacitor and HPS ignitor are separated from the ballast core and coil to maximize life by minimizing heat.

Aiming: Cutoff distribution achieved at 62.5° (2 times mounting height). Aiming above 63° provides semi-cutoff and non-cutoff distribution.

Mounting: Fixture may be specified with a cast aluminum mastfitter, suitable for mounting to a 2-3/8" O.D. vertical tenon; or formed plate steel yoke. Yoke mount allows mounting directly to any flat surface.

Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Listings: ETL/cETL listed to the UL 1598 standard, suitable for Wet Locations.

Warranty: Standard 5 Year Limited Warranty

Ordering guide

Series/source-wattage	Optics	Voltage	Mounting	Options	Finish	Accessories	
MH	A	120	M	BL	TSA	F1-KIT	PM-1-HD
A2M-1000	C	208	Y	CSR	TDB	F2-KIT	PM-2-HD
PSMH	D	240		LQ	TBK	F3-KIT	PM-3-HD
A2P-1000		277		LQ1	TWHT	PX-1-TL	PM-4-HD
HPS		347		F1	TGR	FB-1-TL	
A2S-1000		480		F2	TGN	AL-10-A2	
		QV		F3	RAL(*)	WB-1	
				TLR		WB-5	
				50HZ			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0120.

A2CO series

Industrial floodlighting

- Aktra II cutoff floodlight offers 70-400 W HID
- Two housing sizes available: 11" (70-175 W max) and 16" (250-400 W max)
- Die-cast aluminum housing with integral heavy-duty hinges
- Multiple mounting options may be specified
- Standard unit constructed to IP54

Specifications

Housing: Die-cast aluminum housing and top with integral heavy-duty hinges. Housing and top are sealed with closed-cell gasket. Constructed to IP54.

Optics: Aktra reflector system. High purity anodized aluminum reflectors assure maximum efficiency. A secondary internal reflector element reflects high angle rays back into the main beam for high beam utilization. Meets IES definition of cutoff.

Lamp access: Removable top with integral support rod swings up for complete lamp and ballast access.

Lens: Tempered glass lens secured to housing with high temperature gasket to provide weatherproof seal.

Socket: A porcelain 4 kV pulse rated, grip-type mogul base (250-400 W) or medium base (175 W and below) socket is used to prevent lamp loosening and to maintain proper positioning.

Ballast: HPF ballast with reliable starting to -34°C (-30°F) for PSMH and -40°C (-40°F) for HPS. Ballast has Class H, 180°C (356°F) rated insulation.

Aiming: Cutoff distribution achieved at 62.5° (2 times mounting height; top of housing in horizontal position). Aiming above 63° provides semi-cutoff and non-cutoff.

Mounting: Die-cast mastfitter (MA2) is vertically adjustable, suitable for mounting to a 2-3/8" O.D. vertical tenon. Surface arm mount (SA2 or SA2-15) allows fully adjustable mounting to straight square poles or pole mount adapter (PMA). Surface wall bracket (SWA2) allows fully adjustable mounting to walls or other flat surfaces. Fixed, non-adjustable arm (S7 or S11) is available for 16" housing size only, and allows mounting to square poles or pole mount adapter (PMA).

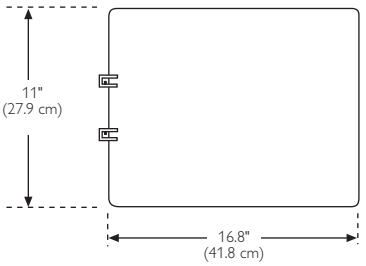
Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Listings: ETL/cETL listed to the UL 1598 standard, suitable for Wet Locations.

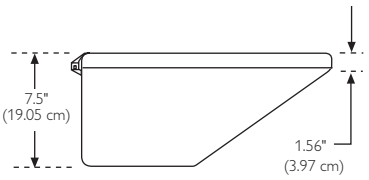
Warranty: Standard 5 Year Limited Warranty

A2CO Dimensions

Top view, 11" housing (70-175W)



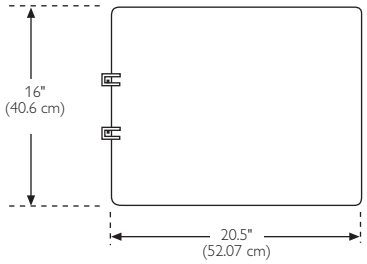
Side view, 11" housing



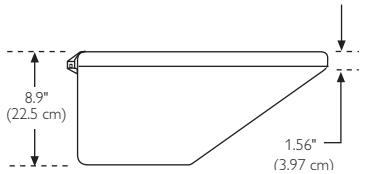
EPA (sq ft)		
11" Housing	0.9	.01 M^2

Weight: 27 lbs 12.25 kg

Top view, 16" housing (400W max)



Side view, 16" housing



EPA (sq ft)		
16" Housing	1.2	.11 M^2

Weight: 45 lbs 20.41 kg

Ordering guide

Series/source-wattage		Optics	Voltage	Mounting	Options		Finish	Accessories		
PSMH	HPS	A	120	MA2	BL	F1	TSA	F1-KIT	PM-3	PMA-190-(F)
A2P-70	A2S-70	C	208	SA-15	CSR	F2 / F3	TDB	F2-KIT / F3-KIT	PM-4	PMA-2180-(F)
A2P-100	A2S-100		240	SA2	LQ	TLR	TBK	PX-1	PTA-2180-16.5-(F)	PMA-2090-(F)
A2P-150	A2S-150		277	SWA2	LQ1	50HZ	TWHT	FB-1	PTA-2090-16.5-(F)	PMA-3090-(F)
A2P-250	A2S-250		347	S(X)	AL-A2	SS-A2	TGR	PM-1	PTA-3090-16.5-(F)	PMA-4090-(F)
A2P-400	A2S-400		480		EPXY-CTD-GR		TGN	PM-2	PTA-4090-16.5-(F)	PCB-A2-(*)
			QV		EPXY-CTD-WHT		RAL(*)			WMB-16.5-(F)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0152.

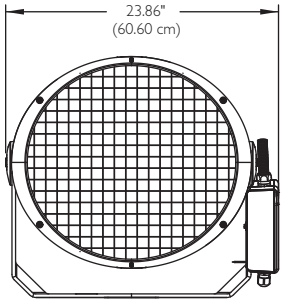
MVF403 series

Industrial floodlighting

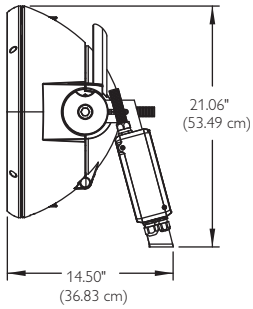
- ArenaVision architectural floodlight available in 1800 and 2000 W PSMH
- Superior Color Rendering Index of 90
- Seven optical distributions available
- Non-corrosive, cast aluminum housing
- Standard unit constructed to IP65

MVF403 Dimensions

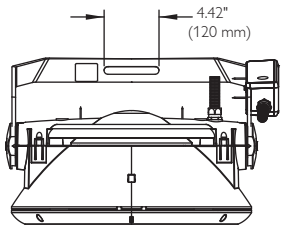
Front view



Side view



Top view



EPA (sq ft)
2.1

Weight: 45 lbs 20.41 kg

Specifications

Housing: Non-corrosive, cast aluminum. IP65 compliant; dust tight and waterproof.

Optical assembly: Seven optical distributions available. High-purity aluminum, designed around optically centered lamp arc, the mono-block reflectors shall be stamped, polished and anodized.

Lamp: 2000 W, double-ended PSMH lamp. 5000 hour rated lamp life with 200,000 initial lumens. 90 CRI with a color temp. of 5600 K. 1800 W option also available.

Lamp access: Lamp replacement access through the gasketed and sealed rear hatch. Two centering towers hold the double-ended lamp in its precise optical location. Lamp is energized via end cables.

Lens door / frame assembly: Fixture has a high-temperature rated transparent ceramic lens with breakage screen and is secured by a high-temperature, seamless gasket within a cast aluminum door frame.

Lamp Socket: Lamp ignitor and supply power wiring block reside inside a cast aluminum housing. The ignitor box is reversible in its location.

Ballast: HPF remote outdoor PSMH ballast is mounted to ballast tray inside the remote ballast housing. Rated Class N, 200°C (390°F) rated insulation. Crest factor shall not exceed 1.8. Starting current is less than operating with reliable starting down to -30°C (-20°F).

Ballast Housing: Cast aluminum, gasketed and sealed to IP65 standards. EPA: 1.45 sq. ft.

Safety: The lamp door mounted micro-switch triggers power interruption when door is open. Aircraft safety cable connects fixture head to mounting structure.

Mounting: Rotatable and laterally adjustable bracket that is attached to a horizontal platform at a single point. Fixture can be mounted in a lifted upward or suspended downward position.

Finish: Fixture head is unfinished aluminum. Unit shall be shot-peened for a consistent look and finish.

Listings: ETL/cETL listed to the UL 1598 standard, suitable for wet locations.

Warranty: Contact factory for Warranty details.

Optic head ordering guide

Series-Wattage/Source	Reflector	Options	Accessories
PSMH	A1	MA	SAD-MVF403
MVF403-2000P	A2	xC	SK-MVF403
MVF403-1800P	A3		
	A4		
	A5		
	A6		
	A7		

Remote ballast ordering guide

Wattage/source-series	Voltage	Options	Finish
2000P-MVF403	277	F1	TGR
1800P-MVF403	347	F2	
	480	F3	
		xC	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0354.

TL series

Industrial floodlighting

- Tite-Lite floodlight offers 1000-1500 W HID
- Marine listing available, constructed to IP66
- Three different high purity anodized aluminum reflectors available with heavy-duty aluminum housing with built-in aiming device
- IP65 rated construction

Specifications

Housing: Heavy-duty aluminum housing with built-in aiming device and calibrations on the fixture housing for vertical adjustment. Fixture and ballast arranged as separate but integral components. Dust-Tite housing is totally sealed from particulate entry. Constructed to IP65. MTL Series, Marine Listing, constructed to IP66.

Optics (reflector): High purity anodized aluminum reflectors (trough for type A and B) (spun for type T) to assure maximum efficiency.

Lamp access: A gasketed re-lamp door provides convenient side Lamp access. Allows re-lamping without re-aiming. High temperature gaskets provides positive, weatherproof seal.

Lens: Clear tempered glass lens withstands thermal and physical shock. Extruded aluminum frame is gasketed to provide a sealed, weatherproof Optical assembly.

Socket: Pre-wired grip-type mogul base socket. Glass end of the lamp is held in precise photometric alignment and protected from breakage by a Stabilux socket.

Ballast: SilentGuard HPF ballast with reliable starting down to -29°C (-20°F) for MH and -40°C (-40°F) for HPS. Ballast has Class H, 180°C (356°F) rated insulation. Crest factor does not exceed 1.8. Ballast components are enclosed in a drawn aluminum container.

Mounting: Cast aluminum ballast base provides integral mastfitter, for mounting to a 2-3/8" O.D. vertical tenon.

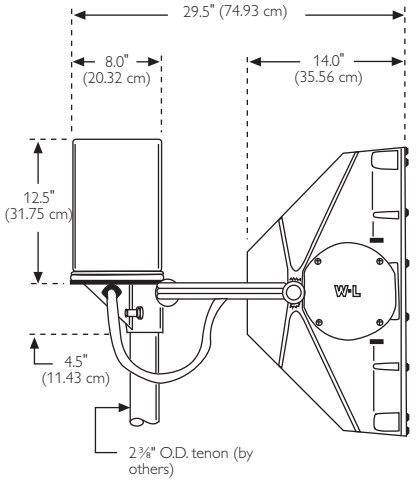
Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number). Marine grade finish is available.

Listings: ETL/cETL listed to the UL 1598 standard, suitable for wet locations, UL1598A Marine Listing available.

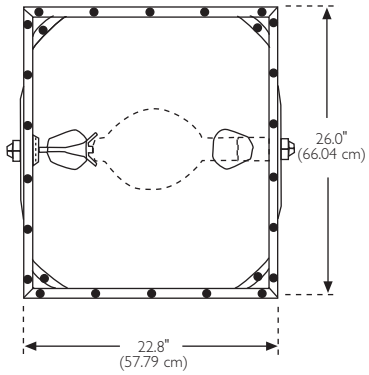
Warranty: Standard 5 Year Limited Warranty

TL Dimensions

Side view



Bottom view



EPA (sq ft)
4.68 .43 M^2

Weight: 107 lbs 48.5 kg

Ordering guide

Marine listing	Series/source-wattage	Optics	Voltage	Options		Finish	Accessories	
M	MH	A	120	BL	RS	TSA	MF-1-(F)	PCM-1-(F)
	TLM-1000	B	208	TL	ITL	TDB	MF-2-(F)	SK-100-(F)-TL
	TLM-1500	T	240	LB	50HZ	TBK	PX-1-TL	PM-1-HD
	HPS		277	LQ	EPXY-CTD-GR	TWHT	F-F1-KIT-(F)	PM-2-HD
	TLS-1000		347	F-F1	EPXY-CTD-WHT	TGR	F-F2-KIT-(F)	PM-3-HD
			480	F-F2		TGN	F-F3-KIT-(F)	PM-4-HD
			QV	F-F3		RAL(*)	FB-1-TL	
						M(F)		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0154.

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&
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ONE WAY
BROADWAY
W 44 ST

MVF403 series

Sports lighting

- ArenaVision sports floodlight available in 1800 and 2000 W PSMH
- Superior Color Rendering Index of 90
- Seven optical distributions available
- Non-corrosive, cast aluminum housing
- Standard unit constructed to IP65

Specifications

Housing: Non-corrosive, cast aluminum. IP65 compliant; dust tight and waterproof.

Optical assembly: Seven optical distributions available. High-purity aluminum, designed around optically centered lamp arc, the mono-block reflectors shall be stamped, polished and anodized.

Lamp: 2000 W, double-ended PSMH lamp. 5000 hour rated lamp life with 200,000 initial lumens. 90 CRI with a color temp. of 5600 K. 1800 W option also available.

Lamp access: Lamp replacement access through the gasketed and sealed rear hatch. Two centering towers hold the double-ended lamp in its precise optical location. Lamp is energized via end cables.

Lens door / frame assembly: Fixture has a high-temperature rated transparent ceramic lens with breakage screen and is secured by a high-temperature, seamless gasket within a cast aluminum door frame.

Lamp socket: Lamp ignitor and supply power wiring block reside inside a cast aluminum housing. The ignitor box is reversible in its location.

Ballast: HPF remote outdoor PSMH ballast is mounted to ballast tray inside the remote ballast housing. Rated Class N, 200°C (390°F) rated insulation. Crest factor shall not exceed 1.8. Starting current is less than operating with reliable starting down to -30°C (-20°F).

Ballast housing: Cast aluminum, gasketed and sealed to IP65 standards. EPA: 1.45 sq. ft.

Safety: The lamp door mounted micro-switch triggers power interruption when door is open. Aircraft safety cable connects fixture head to mounting structure.

Mounting: Rotatable and laterally adjustable bracket that is attached to a horizontal platform at a single point. Fixture can be mounted in a lifted upward or suspended downward position.

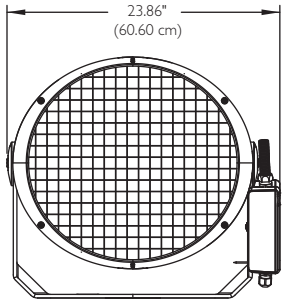
Finish: Fixture head is unfinished aluminum. Unit shall be shot-peened for a consistent look and finish.

Listings: ETL/cETL listed to the UL 1598 standard, suitable for wet locations.

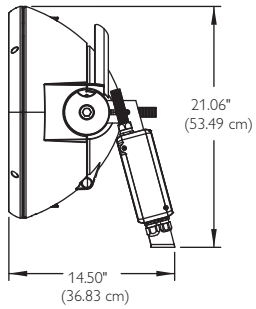
Warranty: Contact factory for Warranty details.

MVF403 Dimensions

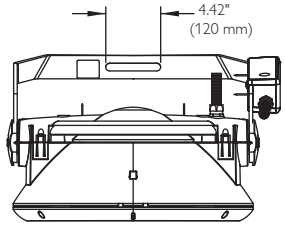
Front view



Side view



Top view



EPA (sq ft)
2.1

Weight: 45 lbs 20.41 kg

Optic head ordering guide

Series-wattage/source	Reflector	Options	Accessories
PSMH	A1	MA	SAD-MVF403
MVF403-2000P	A2	xC	SK-MVF403
MVF403-1800P	A3		
	A4		
	A5		
	A6		
	A7		

Remote ballast ordering guide

Wattage/source-series	Voltage	Options	Finish
2000P-MVF403	277	F1	TGR
1800P-MVF403	347	F2	
	480	F3	
		xC	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0354.

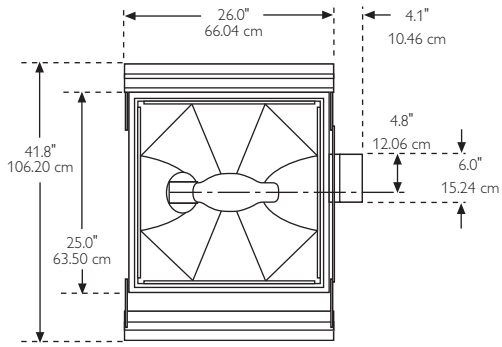
AE2 series

Sports lighting

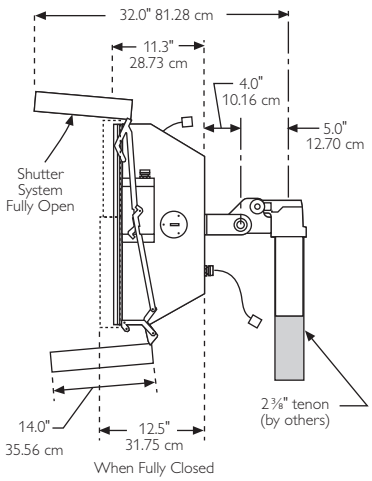
- Arena Eclipse indoor floodlight available in 1000 W Metal Halide
- Precise beam control with black out shutters for theatrical effects
- Cast aluminum mast fitter with memory aiming device
- Remote indoor Eclipse ballast is adaptable for wall, platform or rack mounting
- Standard unit constructed to IP52

AE2 Dimensions

Front view



Side view



Weight: 65 lbs 29.48 kg

Specifications

Housing: Heavy-duty construction consisting of a separate Optical assembly completely enclosed by an aluminum and steel housing.

Optics: Segmented, high reflectivity, high purity anodized aluminum reflectors.

Lamp access: Side Lamp access so as not to disturb luminaire aiming. Optical assembly is sealed from particulate entry. Safety cable provided to retain the relamp door while relamping.

Lens door / frame assembly: Heat and impact resistant tempered glass lens. Lens assembly is sealed from particulate entry by an extruded silicone gasket.

Lamp socket: Pre-wired grip-type mogul base socket. Glass end of lamp is held in precise alignment and protected from breakage by a Stabilux socket. E39 position-oriented lamp socket, will also accept any clear universal mount BT37 lamp. The Lamp Socket Monitor is standard.

Shutter system: Shutter system is provided to simulate instant on/off of the luminaire for special theatrical effects. Shutter motor is reversible high torque. Fixture is capable of operating with the shutter closed indefinitely. Fail-safe mechanism extinguishes lamp if shutter fails to close within three seconds.

Ballast: SilentGuard HPF MPB ballast is enclosed in an extruded aluminum housing. Core and coil are encapsulated in a polyester resin compound. Class H, 180°C (356°F) rated insulation. Ballast starting current is less than operating with reliable starting down to -29°C (-20°F). Primary side of ballast is pre-wired with 6 ft. SO cord and twist-lock plug.

Mounting: Cast aluminum mastfitter with Memory Aiming Device fits a 2-3/8" O.D. x 4" tall vertical tenon (by others). Remote "MPB" ballast is adaptable for wall, platform or rack mounting.

Finish: BLK = textured black standard

Listings: ETL/cETL listed to the UL 1598 standard, suitable for Dry Locations.

Warranty: Standard 5 Year Limited Warranty

Fixture ordering guide

AE2M-1000 - [ ] - MADJ - MW(X)CBLKMP [ ]

Series/source-wattage	Optics		Mounting	Standard features	Accessories
MH	Shutter System	Less Shutter System	MADJ	MW(X)CBLKMP (X=Cord length in feet) (8 or 10)	F1-KIT
AE2M-1000					F2-KIT
	A	ALS			F3-KIT
	B	BLS			AMB-S
	N	NLS			AMB-D
	U	ULS			AE2-STY-CBL
					SRB

Remote ballast ordering guide

1000-MPBM - [ ] - [ ]

Remote ballast	Voltage		Options
1000-MPBM	Shutter System	Less Shutter System	BL
	120ESCM-MW-6C-L2320P	120-MW-6C-L2320P	BLEM
	208ESCM-MW-6C-L2320P	208-MW-6C-L2320P	F1
	277ESCM-MW-6C-L2320P	277-MW-6C-L2320P	F2
	347ESCM-MW-6C-L2320P	347-MW-6C-L2320P	F3
	480ESCM-MW-6C-L2320P	480-MW-6C-L2320P	

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0260.

FE series

Sports lighting

- F Eclipse indoor floodlight available in 1000 W Metal Halide
- Precise beam control with total black out feature for theatrical effects
- Die-cast aluminum alloy housing with integrally-cast heat dissipating fins
- Remote indoor Eclipse ballast is adaptable for wall, platform or rack mounting
- Standard unit constructed to IP52

Specifications

Housing: Die-cast aluminum alloy housing with integrally-cast heat dissipating fins. Standard unit constructed to IP52.

Optics: High purity anodized aluminum reflectors, assembled without machine for maximum efficiency.

Lamp access: A gasketed and removable socket assembly provides Lamp access from below without disturbing aiming.

Lens: Tempered glass lens to withstand thermal and physical shock; held by die-cast aluminum frame and sealed to housing by an extruded gasket and stainless steel screws to provide a sealed Optical assembly.

Socket: Grip-type mogul base socket, pre-wired with 6 ft. SO cord and plug for secondary connection to ballast. Glass end of lamp is held in precise alignment by a Stabilux socket.

Shutter System: Shutter system is provided to simulate instant on/off of the luminaire for special theatrical effects. Shutter motor is reversible high torque and permanently lubricated for long life. Fixture is capable of operating with the shutter closed indefinitely.

Ballast: SilentGuard HPF MPB remote indoor ballast is enclosed in an extruded aluminum housing. Ballast has Class H, 180°C (356°F) rated insulation. Ballast starting current is less than operating with reliable starting down to -29°C (-20°F). Primary side of ballast is pre-wired with 6 ft. SO cord and twist-lock plug. Modular receptacles provided to simplify secondary wiring of HID socket and motorized shutter. External "Eclipse" module featuring Red/Green LED status indicators of mechanical and electrical ballast function.

Mounting: Cast aluminum mastfitter (MF-1) for fixture provides slipfitter for 2-3/8" O.D. x 4" tall vertical tenon (by others). Remote "MPB" ballast is adaptable for wall, platform or rack mounting.

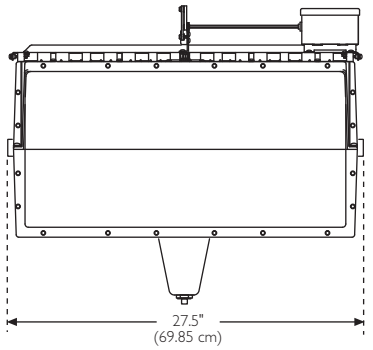
Finish: BLK = textured black standard

Listings: UL/cUL Listed Luminaire, UL 1598, suitable for Damp Locations.

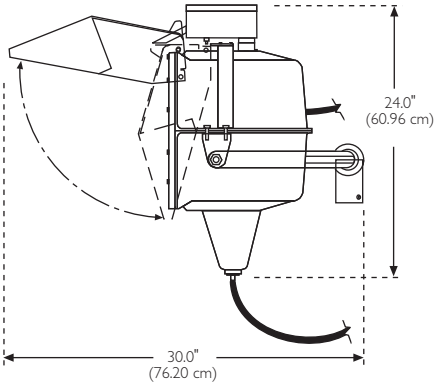
Warranty: Standard 5 Year Limited Warranty

FE Dimensions

Front view



Side view



Weight: 45 lbs 20.41 kg

Fixture ordering guide

FEM-1000	-		-	MF-1	-	MW(X)CBLKMP
Series/source-wattage		Optics		Mounting		Standard features
MH		BCO		MF-1		MW(X)CBLKMP (X=Cord length in feet) (8 or 10)
FEM-1000		DCO				
		CCO				

Accessories	
F1-KIT	FE-STY-CBL
F2-KIT	SRB
F3-KIT	UMB-6
FB-1	UMB-12
EMB-S	UMB-18
EMB-D	

Remote ballast ordering guide

1000-MPBM	-		-	
Remote ballast		Voltage		Options
1000-MPBM		120ESCM-MW-6C-L2320P		BLEM
		208ESCM-MW-6C-L2320P		F1
		277ESCM-MW-6C-L2320P		F2
		347ESCM-MW-6C-L2320P		F3
		480ESCM-MW-6C-L2320P		

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0261.

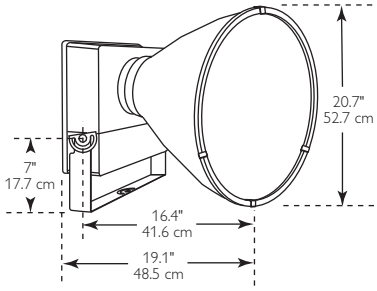
RSF series

Sports lighting

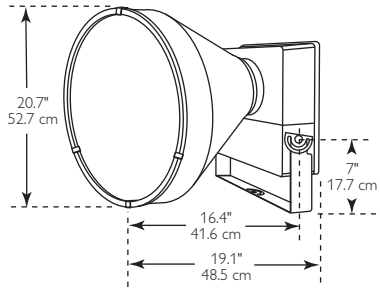
- Recreational sports floodlight available in 400-1500 W MH and 400-1000 HPS
- Designed specifically for arenas, stadiums, driving ranges, football and soccer fields
- Die-cast aluminum housing with easy access to ballast compartment
- Type 3x3, 4x4, 5x5, and 6x6 beam patterns available
- Yoke mount standard

RSF Dimensions

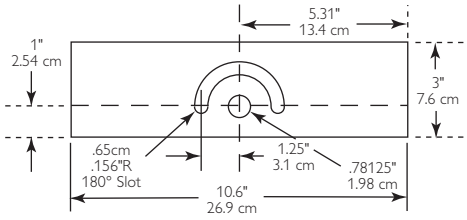
Standard unit



Standard unit with heavy duty shroud option



Mounting detail



EPA (sq ft)
2.4

Weight: 52 lbs 23.58 kg

Specifications

Construction: Die-cast aluminum housing. Easy access to ballast compartment. Hinged tempered glass door in heavy-gauge galvanized steel ring, hinges downward for convenience. Heat-sinked ballast housing for cooler ballast operation and longer component life. Optional protective heavy duty outer shroud. Ballast housing and reflectors are shipped separately.

Optics: NEMA Type 3, 4, 5 and 6 beam patterns. Rugged reflector constructed of heavy gauge precision spun and anodized aluminum.

Electrical: Porcelain spring-loaded 4 kV pulse rated socket-mogul base. Lamp base stabilizer grips lamp envelope, centering and stabilizing lamp. Cord included: 6', 14/3 SOWA. Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C.

Mounting: Yoke/Crossarm mount standard. Optional slipfitter adapter for 2-3/8" Tenon. EPA = 2.4 ft.2.

Finish: Dark bronze polyester powder coated finish is corrosion and UV resistant standard.

Listings: UL 1598 listed for wet locations.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

RSF						
Series	Wattage	Distribution	Lamp source	Options	Voltage	Accessories
RSF	PSMH	**3** 3 x 3	**PMA** PSMH	**FS** Single Fusing, 120-277V	**1** 120	2" Floodlight Pole Top — Internal Louvers
	40 400	**4** 4 x 4	**MA** MH	**FSS** Double Fusing, 208/240/480 V	**2** 208	**PA22BRZ** — **SCTIFL** Louver
	MH	**5** 5 x 5	**LX** HPS		**3** 240	**PA23BRZ** — **SCTHL** 1/2 Louver
	100 1000	**6** 6 x 6			**4** 277	**PA24BRZ** — Additional Accessories
	150 1500				**5** 480	3" Floodlight Pole Top — **PWB** Pipe/wall Bracket
	HPS				**6** 120/277	**PA32BRZ** — **SCTSF** Pole Top Slipfitter
	40 400				**8** 120-277	**PA34BRZ** — **SCTVS** Top Mount Visor
	100 1000					**SCTWG** Wireguard
						HDS Heavy Duty Shroud

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0355.

STB-25 series

Highmast

- StarBay area luminaire is designed for use with SMLS Highmast system
- Available up to 1000 W PSMH, MH and HPS
- Six distribution options available
- Architectural light shield and house side shield available
- Reflector is easily rotated through 360°

Specifications

Housing: One-piece housing is cast of Type 319 aluminum. The integral cast aluminum fitter slips over 2" nominal pipe and attaches with three stainless steel set screws. The casting is clearly marked to show degrees of rotation to aid in adjusting the rotatable reflector assembly. Top cap is spun of .080" aluminum.

Gasketing: A silicone-impregnated Dacron gasket is used between the reflector and housing. Butyl-acrylic tape sealant is used between the lens and reflector.

Optical assembly: The Optical assembly consists of a one-piece spun aluminum reflector and clear glass lens. Lamps operate in the vertical, base up position for maximum lamp life. Tempered clear glass lens is heat-resistant. The lens is fully gasketed.

Reflector mounting: The reflector is mounted on the housing using a bayonet-style mounting arrangement and is secured with three captive knurled thumb screws.

Rotatable reflector optics: The reflector can be rotated 360° without the use of tools to facilitate aiming the main beam of non-symmetric distributions. The lamp's socket is nickel plated, spring loaded, porcelain enclosed, and pulse-rated. Two stainless steel safety cables are provided to retain the reflector and lens when lamp replacement is necessary. Re-lamping is easily accomplished without the use of tools.

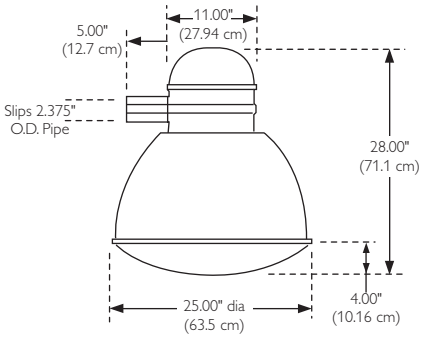
Ballast: All ballast components are readily-accessible from the top of the luminaire and are mounted on a single plate, which is removable as a complete assembly for ease of maintenance without removing luminaire from the bracket arm. CWA ballasts supplied for use with MH and HPS lamps provide ±5% lamp power regulation with ±10% variation from rated input voltage.

Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Listings: The fixture shall be ETL and cETL Listed, per UL 1598, "suitable for wet locations."

Warranty: Standard 5 Year Limited Warranty.

STB-25 Dimensions



EPA (sq ft)	
1 Fixture	1.99
3 Fixtures	5.57
5 Fixtures	6.96
7 Fixtures	9.04
9 Fixtures	10.95
10 Fixtures	11.94
12 Fixtures	13.92

Weight: 62 lbs 28.15 kg

Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series/size/source-wattage		Distribution	Voltage	Optical options		Electrical options	Finish
PSMH	MH	5V	120	GSL	CL80x360	F1	TSA
STB-25P-350	STB-25M-1000	VR	208	GFL	CL60x135	F2	TDB
STB-25P-400	HPS	5VS	240	OBR	AS	F3	TBK
STB-25P-450	STB-25S-400	3V	277	IL45	HSS	TLR-PC	TWHT
STB-25P-750	STB-25S-600	4V	347	IL75		PS	TGR
STB-25P-875	STB-25S-750	4VC	480			BL	TGN
STB-25P-1000	STB-25S-1000						RAL(*)

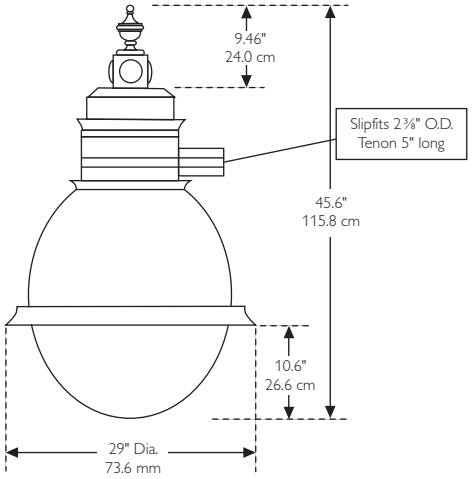
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0267.

VAC series

Highmast

- VAC series is available in 250-1000 W PSMH HPS, and 1000 W MH
- Available with glass flat lens, glass sag lens, or drop acrylic lens assemblies
- Six distribution options available for a variety of applications
- Reflector is easily rotated through 360°
- Dark Sky cutoff optics

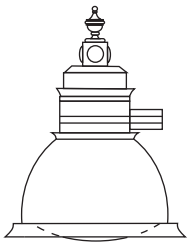
VAC Dimensions



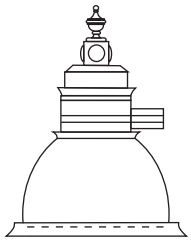
EPA (sq ft)	
1 Fixture	2.8
2 Fixtures	5.6

Weight: 75 lbs 34 kg

Sag glass lens



Flat glass lens



Specifications

Housing: Cast of Type 319 aluminum. The integral cast aluminum fitter slips over 2" nominal pipe and attaches with three stainless steel 0.375" set screws, allowing ± 3° leveling adjustment. Clearly marked to show degrees of rotation to aid in adjusting the rotatable reflector assembly. All components are made from corrosion-resistant material or have positive corrosion protection. Passed vibration testing with over 50,000 cycles in both the vertical and horizontal planes.

Lens and gasketing: Three lens assemblies are available: DAL = Drop Acrylic Lens (450 W max.), GFL = Glass Flat Lens and GSL= Glass Sag Lens. Tempered, clear glass lens is heat-resistant. The lens is fully gasketed. A silicone-impregnated Dacron gasket is used between the reflector and housing.

Optical assembly: The Optical assembly consists of a one-piece spun aluminum reflector. Specially-designed to redirect light past the lamp's arc tube. Lamps operate in the vertical, base up position for maximum lamp life.

Installation: VAC Series shall include an integral slipfitter - Slipfits over 2.375" O.D. horizontal pipe.

Rotatable reflector optics: The reflector is easily rotated through 360° without the use of tools to aim the main beam of non-symmetric distributions. Re-lamping is easily accomplished without the use of tools.

Ballast: All ballast components are readily-accessible from top of luminaire and are mounted on a single plate, which is removable as a complete assembly for ease of maintenance without removing the luminaire from the bracket arm. CWA ballasts supplied for use with MH and HPS lamps provide ±5% lamp power regulation with ±10% variation from rated input voltage.

Finish: TSA = textured satin aluminum, TBK = textured black, TDB = textured dark bronze, TWHT = textured white, TGR = textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Listings: The fixture shall be ETL and cETL Listed, per UL 1598, "suitable for wet locations."

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series/size/source-wattage		Distribution	Voltage	Optical options	Electrical options	Finish
PSMH	MH	5V	120	GFL	F1	TSA
VAC25P-250	VAC25M-1000	VR	208	GSL	F2	TDB
VAC25P-400	HPS	5VS	240	DAL	F3	TBK
VAC25P-450	VAC25S-250	3V	277	IL45	PCB	TWHT
VAC25P-750	VAC25S-400	4V	347	IL75		TGR
VAC25P-1000	VAC25S-750	4VC	480	CL80x360		TGN
	VAC25S-1000			CL60x135		RAL(*)

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0353.

SMLS series

Highmast

- SkyMast Lighting System designed for up to 12 luminaires
- May be specified for system heights from 60 to 150 feet
- Top or bottom latching systems are available
- SMLS allows for ground level maintenance
- Top or bottom latching mechanisms are available

Specifications

Head frame assembly: Consists of a platform plate, sheave support plates, aluminum sheaves, bronze bushings, stainless steel clevis pins, cable keepers, power cord roller assembly, anodized aluminum cover, and stainless steel attaching hardware. Each lift cable is supported by two aluminum sheaves. The headframe assembly bolts directly to the top plate of the highmast pole using stainless steel hardware. The entire headframe assembly is covered by a spun anodized aluminum cover.

Luminaire ring assembly: The luminaire ring is rolled from steel. The luminaire mounting tenons are formed of galvanized steel pipe. The ring assembly is capable of mounting up to 12 fixtures, the mounting tenons are removable. The fixture arms interface to the ring using a heavy-duty cast aluminum slip fitter. The inside of the ring assembly is protected with an extruded bumper. The ring shall be pre-wired to each individual fixture location, and attach through weathertight cord connectors to a junction box mounted to the ring. A twist lock test inlet for each circuit is mounted to the junction box to permit testing while the ring is lowered.

Transition assembly: The transition plate is cast from marine grade aluminum. The luminaire ring is supported by three stainless steel non-rotating aircraft cables. The winch connects to the transition plate with a stainless steel cable.

Standard hoist: The lighting ring is lowered and raised by a drum hoist, equipped with a fail safe load brake which is internal to the gearbox. The gearing is fully enclosed, needing no maintenance for the life of the unit. The motor and gearbox provide a fixture ring travel speed of approximately 16 feet per minute.

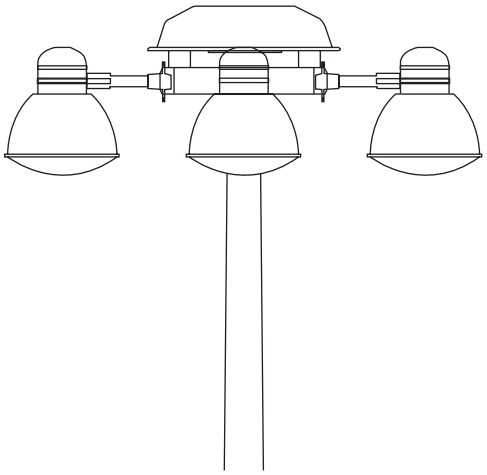
Portable hoist motor (PHM): The portable hoist motor incorporates the drive motor, torque limiter, drive shaft, mounting bracket and electrical controls. The drill motor is controlled by a reversing switch connected by a remote cord. The unit is provided with a weatherproof, enclosed step-down transformer to operate the unit.

Circuit breaker box: The circuit breaker box is mounted to the pole's internal mounting plate, and includes either a 2 pole or 3 pole circuit breaker based upon the specified voltage and electrical load.

Option Specifications

Top latching: The headframe includes three marine grade cast aluminum top latch housings which support the luminaire ring when the lowering system is in a locked position. Three stainless steel latch pins engage the latch housings, removing all loading from the lift and hoist cables. No moving latching components or springs shall be located on the headframe assembly. Latching and unlatching is signaled by reflecting indicator flags.

Bottom latching: The bottom latching device consists of a galvanized steel lift rated chain, a heavy-duty galvanized steel turn buckle and a dedicated eyebolt.

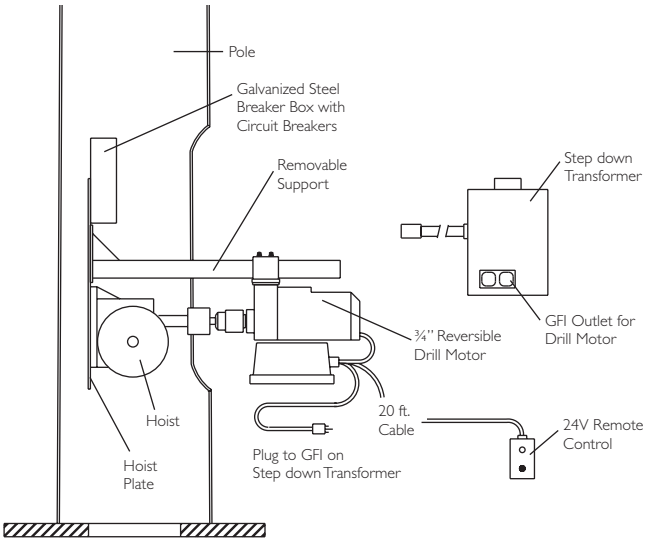


EPA (sq ft)
4.0

Weight: 200 lbs 90.90 kg

* EPA does not include luminaires

Portable hoist motor (PHM)

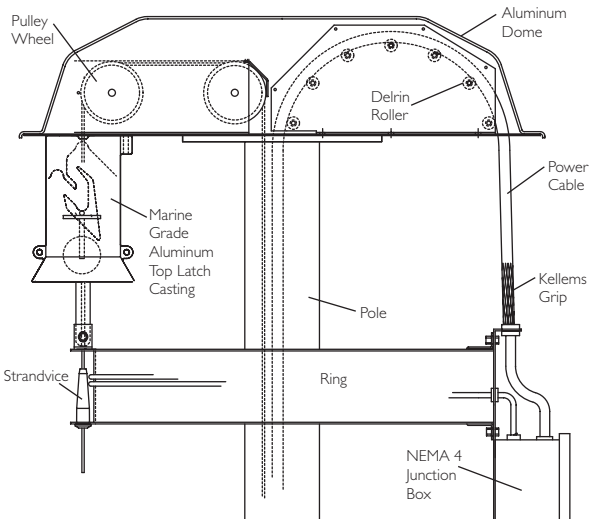


SMLS series

Highmast

- SkyMast Lighting System designed for up to 12 luminaires
- May be specified for system heights from 60 to 150 feet
- Top or bottom latching systems are available
- SMLS allows for ground level maintenance
- Top or bottom latching mechanisms are available

Top Latching (TL)



Option specifications (continued)

Centering springs: A set of three spring roller assemblies are mounted below the ring assembly, and are designed to center the ring and prevent it from contacting the pole during raising and lowering.

Camera lowering device: Philips Wide-Lite has combined highmast area lighting with a security/ surveillance camera system mounted to the luminaire ring. See SMLS-CLD spec sheet for additional information about our security camera systems.

Internal motorized hoist (HIM)

Motor specifications: Motor is 2 horsepower wired directly to a Variable Frequency Drive (VFD) motor controller programmed to a maximum speed of 1200 RPM. The motor and gearbox is designed to provide a fixture ring travel speed of approximately 16' per minute. The motor is mounted directly to the gearbox.

Motor control specifications: The motor control consists of a Variable Frequency Drive (VFD) controller capable of providing power to a 2 horsepower, 480 V 3 Phase motor. The motor runs at a constant speed and is capable of reverse operation through the controller. The VFD permits raising and lowering without the use of a reversing AC magnetic contact type relay. A remote control station shall consist of a 25' SO type cord with separate momentary contact pushbuttons for raising and lowering of the fixture ring and shall be mounted in a NEMA 4 box.

Warranty: Standard 5 Year Limited Warranty.

Ordering guide

SMLS - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series	Diameter	System height	Fixtures per ring	Latching	Cables-winch cables	Power cord	Voltage / phasing	Hoist	Accessories	
SMLS	30	60	2A	NL	SS	5C10	V1	HEM	FAA	PHM
	36	70	3A	TL		5C8	V2	HIM	FAA-2	CWT
		80	4A	BL	Winch Cables	4C8	V3		FAA-2TR	CS
		90	5A	BL-2	1/4	6C10	V4		FAA-LED	CLD
		100	6A	BLF	5/16		V5		FAA-2LED	LR
		110	7A	BLAB			V6		FAA-2LEDTR	LA
		120	8A	BLABF			V7		PTF	LA-2
		130	9A				V8		SSP	LA-3
		140	10A				V9			
		150	11A				V10			
			12A				V11			
							V12			
							SC2			
							SC3			

For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0266.

SMLS-CLD series

Highmast

- SkyMast Lighting System equipped with camera lowering device
- May be specified for system heights from 60 to 150 feet
- Allows for up to two camera locations
- Top or bottom latching mechanisms are available
- SMLS-CLD allows for ground-level maintenance

SMLS-CLD Specifications

Electrical power cord: The power cable consists of six conductors to supply power to luminaires, four AWG conductors to supply camera power, two shielded groups of two twisted pairs of stranded wire for control capabilities, and two coaxial cables for image transmission. The cable terminates with a twist-lock connector and weather resistant boots in conjunction with a dedicated weather resistant camera quick disconnect. The cable includes a factory installed strain relief assembly below the transition plate and shall be supported by a cord grip and kellems grip strain relief at the ring junction box. Cable and connectors are compatible with a variety of camera systems. Consult factory for other power cord and pre-wiring options.

High performance camera: The high performance color camera has automatic "Day/Night" technology, digital signal processing, automatic light exposure, digital zoom, and automatic focus. Day/Night technology automatically switches camera mode from day to night.

Reliable positioning: The Cohu 3920 features a high speed pan & tilt with 360 degree continuous rotation and up to 64 user-defined preset positions, each with a two-line, 24 character title. The auto-flip feature positions the camera for continuous viewing of any subject that passes directly beneath.

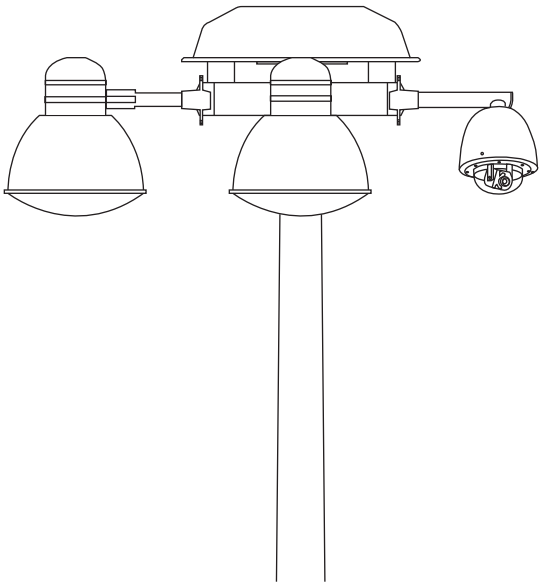
Ready for the outdoors, discreetly: Housing meets the requirements of nearly any outdoor installation. Its small size and light weight provide a low profile installation that looks similar to a luminaire. The dome is sealed and pressurized for maximum protection. The viewing sphere is premium acrylic for high optical quality. All gaskets are high grade material that resist degradation.

Designed for low maintenance: Cohu cameras stand the test of time, as well. They are designed for easy installation, and built with high reliability components designed to last much longer than a typical dome camera. The rugged enclosure is designed to withstand shock and vibration. The temperature inside the enclosure is maintained above 40° F.

Control system compatibility: The communication system is standard Cohu protocol via RS232 or RS422 data, which provides for easy firmware feature upgrades. A digital feedback system provides coordinates to the Command/Control Center. Consult factory for additional control system options.

SMLS Specifications

Head frame assembly: Consists of a platform plate, sheave support plates, aluminum sheaves, bronze bushings, stainless steel clevis pins, cable keepers, power cord roller assembly, anodized aluminum cover, and stainless steel attaching hardware. Each lift cable is supported by two aluminum sheaves. The headframe assembly bolts directly to the top plate of the highmast pole using stainless steel hardware. The entire headframe assembly is covered by a spun anodized aluminum cover.



EPA (sq ft)
4.0

Weight: 200 lbs 90.90 kg

* EPA does not include luminaires

SMLS-CLD series

Highmast

- SkyMast Lighting System equipped with camera lowering device
- May be specified for system heights from 60 to 150 feet
- Allows for up to two camera locations
- Top or bottom latching mechanisms are available
- SMLS-CLD allows for ground-level maintenance

SMLS Specifications (Continued)

Luminaire ring assembly: The ring assembly is capable of mounting up to 12 fixtures, the mounting tenons are removable. The fixture arms interface to the ring using a heavy-duty cast aluminum slip fitter. The inside of the ring assembly is protected with an extruded bumper. The ring is pre-wired to each fixture location. A twist lock test inlet for each circuit is mounted to the junction box to permit testing while the ring is lowered.

Transition assembly: The luminaire ring is supported by three stainless steel aircraft cables. Winch connects to transition plate with a stainless steel cable.

Standard hoist: The lighting ring is lowered and raised by a drum hoist, equipped with a fail safe load brake which is internal to the gearbox. The gearing is fully enclosed, needing no maintenance for the life of the unit. The motor and gearbox provide a fixture ring travel speed of approximately 16 feet per minute.

Portable hoist motor (PHM): The portable hoist motor incorporates the drive motor, torque limiter, drive shaft, mounting bracket and electrical controls. The drill motor is controlled by a reversing switch connected by a remote cord. The unit is provided with a weatherproof, enclosed step-down transformer to operate the unit.

Circuit breaker box: The circuit breaker box is mounted to the pole's internal mounting plate, and includes either a 2 pole or 3 pole circuit breaker based upon the specified voltage and electrical load.

Warranty: Standard 5 Year Limited Warranty.

Note: See SMLS on previous pages for specifications.

Ordering guide

SMLS-CLD - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series	System ring - diameter	System height	Fixtures per ring	Latching	Cables-winch cables	Power cord	Voltage / phasing	Hoist	Accessories	
SMLS-CLD	1-30	60	2A	NL	SS	6C10-COAX	V1	HEM	FAA	PHM
	2-30	70	3A	TL			V2	HIM	FAA-2	CWT
	1-36	80	4A	BL	Winch Cables		V3		FAA-2TR	CS
	2-36	90	5A	BL-2	1/4		V4		FAA-LED	LR
		100	6A	BLF	5/16		V5		FAA-2LED	LA
		110	7A	BLAB			V6		FAA-2LEDTR	LA-2
		120	8A	BLABF			V7		PTF	LA-3
		130	9A				V8		SSP	
		140	10A				V9			
		150	11A				V10			
							V11			
							V12			
							SC2			
							SC3			

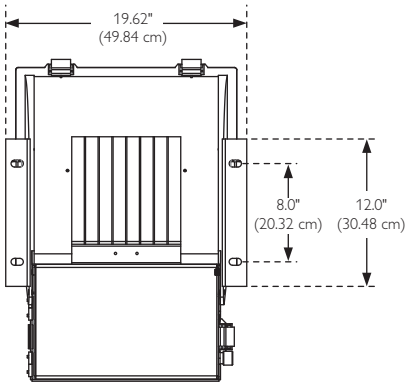
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0339.

TU18 series

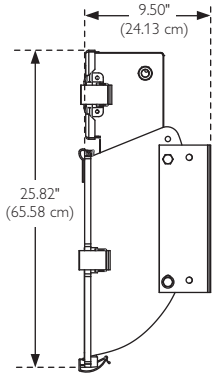
Tunnel lighting

- TU18 Series tunnel light is available up to 400 W HPS and PSMH
- High visual comfort, low glare, and low brightness for tunnel applications
- Constructed of heavy die-cast aluminum alloy
- Available with forward throw and type 1 distribution options
- Precision reflectors allow for precise light placement

TU18 Dimensions



Weight: 49.73 lbs 22.56 kg



Specifications

Housing: Die-cast from 360 aluminum alloy. Corrosion resistant to exceed UL-595 marine standards, complete with low copper content and powder coat finish. Stainless steel hinge pins are provided for hinging the door panel.

Gasketing: (FIP) gray silicone gasket is bonded directly to the inside of the glass door lens. The foam gasket has a temperature range of -60/+200°C. The gasket presses against the housing after the evenly distributed latches are engaged, giving the entire luminaire an IP66 rating.

Lens door and hinges: The structural flat lens is of thermal and shock-resistant clear tempered glass (with areas masked). The glass is min. 5mm thick. Heavy duty .10" min. (2.54mm) extruded aluminum hinges are mounted to the glass with molded silicone vibration dampening rubber pads.

Reflectors: Precision manufactured reflectors incorporate segmented arrangements for precise light placement, highly reflective materials for maximum efficiency, and multiple complex surfaces for optimized uniformity.

Ballast: All ballast components are readily accessible via a swing down tray which is removable as a complete assembly for ease of maintenance. CWA ballasts supplied for use with MH and HPS lamps provide ±5% lamp power regulation with ±10% variation from rated input voltage. Ballasts supplied for use with HPS lamps operate within ANSI trapezoidal limits. Ballasts can be provided with a protected starter. All wiring within the luminaire is sized to carry 80% of its rated current and is listed by UL for use at 600 VAC.

Finish: Standard finish is TGR = textured gray.

Listings: The fixture shall be ETL and cETL Listed, per UL 1598, "suitable for wet locations."

Warranty: Standard 5 Year Limited Warranty

Ordering guide

		-		-		-		-	
Series/size/source-wattage			Distribution		Voltage		Options		Finish
PSMH	HPS		F		120		F1		TGR
TU18P-250	TU18S-70		1H		208		F2		
TU18P-400	TU18S-100				240		F3		
	TU18S-150				277		TB		
	TU18S-250				347		EMQZ		
	TU18S-400				480		CWI		
					QV		PS		

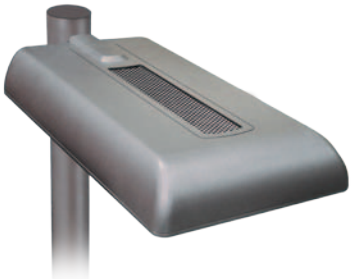
For complete specifications and available options and accessories, see current Philips Wide-Lite spec sheet WLSP0377.

Quality Lighting

Value driven outdoor lighting solutions that deliver on performance, quality and reliability. Quality Lighting is not just a name, but our commitment to our industry. For over four decades, our products have and continue to provide trusted performance and reliability for the budget and value conscious. Our full line of products focus on the architectural outdoor site and area, parking structures, floodlighting and accent segments. As the ever-changing market and technology continue to evolve, Quality Lighting is dedicated to evolve concurrently by developing new and relative products to meet the strictest of design and eco-conscious specifications. Here you will find our broad and diverse product portfolio utilizing the latest in lamp and LED solid state technology. For more details on our luminaries and unique solutions, please visit our website at www.QualityLighting.com.

Contents

Architectural site & area > 11.90
Architectural post top > 11.48
Architectural wall & surface mount > 11.24
Accent & pathway > 11.95
Parking & under canopy > 11.76
Architectural floodlighting > 11.29
Industrial floodlighting > 11.62



QLA LED series

Architectural outdoor - site & area

Quality LED Area and Site Series provides complete specification grade lighting solutions with clean, geometric styled design. QLA is available in two housing sizes and provides true 250 and 400 watt HID equivalent photometric performance. QLA's thermal management system achieves superior lumen maintenance and rated system life results. Full range programmable and non programmable dimming available. QLA is DLC Certified.

Specifications

Rated system life (LED life per L70): Driver and LED life: 80,000 hrs @ 25°-40°C (77°-104°F)

Housing / construction: Die-cast aluminum housing with corrosion resistant hardware. Optic chamber and separate driver housing constructed to IP65. Die-cast aluminum heatsink allows for long life of LEDs up to 40°C ambient.

Thermal management: IP65 rated thermal Pod frame management system creates a vortex of airflow for pass-through convective cooling and heat extraction.

LED and board array: Small housing: 64 and 80 Rebel ES LEDs. Large housing: 128 and 160 Rebel ES LEDs. Color temperature: Neutral White 4125 K +/- 175K. Metal core printed circuit board. RoHS compliant. See website for LED specs and details.

Driver: High efficiency multi-volt driver (50 or 60 Hz), maintains constant current flow to LEDs to accommodate LED variations. High power factor (>90% standard). Constant current: 350, 530 or 700 mA. Voltage: 120-480. Temperature range: -30°C (-22°F) to 40°C (104°F). Open / short circuit protection. RoHS compliant. See website for LED specs and details.

LED Optical system: Field rotatable LED Pod optical assemblies. Type II, III, IV or V distribution. Meets IES Full Cutoff criteria. Fully gasketed Dust-Tite construction. Employs Philips LEDGINE technology & Rebel ES LEDs.

Mounting: Field installed die-cast aluminum straight or upswept arm mount for mounting to 4" to 5" O.D. round poles. Square pole adaptors available. Wall mount also available.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TPG = textured Philips gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for Wet Locations. DLC Certified.

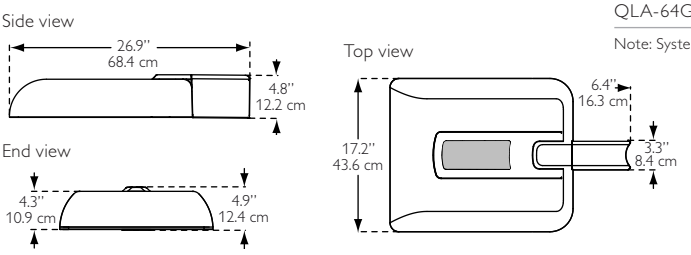
Warranty: Standard 5 Year Limited Warranty.

QLA-64G1 and 80G1 Dimensions

Delivered lumen packages up to 10,500 lms. Download the latest performance and specification sheets at www.qualitylighting.com.

Total system watts	
QLA-80G1@350mA	90 W
QLA-80G1@530mA	126 W
QLA-64G1@700mA	136 W

Note: System wattages may vary +/- 4%



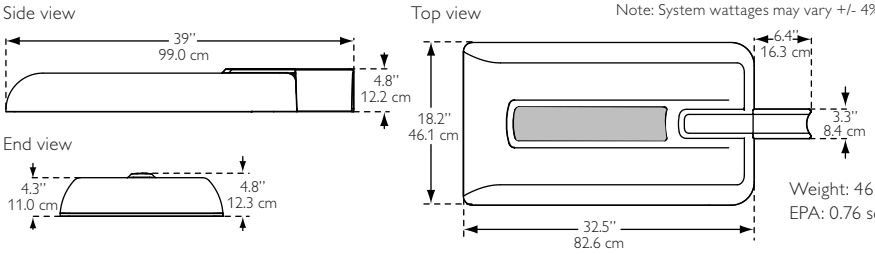
Weight: 28 Lbs
EPA: 0.52 sq ft

QLA-128G1 and 160G1 Dimensions

Delivered lumen packages up to 21,500 lms. Download the latest performance and specification sheets at www.qualitylighting.com.

Total system watts	
QLA-160G1@350mA	181 W
QLA-160G1@530mA	254 W
QLA-128G1@700mA	278 W

Note: System wattages may vary +/- 4%



Weight: 46 Lbs
EPA: 0.76 sq ft

Distribution

2L0 = Type II @ 0°
2L90 = Type II @ 90°
2L270 = Type II @ 270°
3L0 = Type III @ 0°
3L90 = Type III @ 90°
3L270 = Type III @ 270°
4L0 = Type IV @ 0°
4L90 = Type IV @ 90°
4L270 = Type IV @ 270°
5L = Type V

Mounting

SAM = Straight Arm Mount (std)

Options

F1 = Single Fusing 120, 277, 347 V
F2 = Double Fusing 208, 240, 480 V

Options

F3 = Double Fusing 208, 240, 480 V Canadian Double Pull
PCB = Photocontrol Button
TLR = Twistlock Photocell Receptacle
TLRPC = Twistlock Receptacle with Photocontrol
DD = Dimming Driver
DL = Diffuse Lens
HSS[1] = House Side Shield
HSSX[2] = Extreme House Side Shield
DCP = Dynadimmer Custom Programming
DS25/50/75[4] = Dynadimmer Safety Profile
DM25/50/75[4] = Dynadimmer Median Profile
DE25/50/75[4] = Dynadimmer Economy Profile

QLA Ordering guide

QLA - [ ] - [ ] - NW - [ ] - [ ] - [ ] - [ ] - [ ]

Series	# of LEDs	Driver	LED Color	Distribution	Voltage	Mounting	Options[4]		Finish
QLA	Small Unit		NW	2L0/90/270	120	SAM	F1	DL	TSA
	64G1 →	700		3L0/90/270	208		F2	DS25/50/75[3]	TDB
	80G1 →	350, 530		4L0/90/270	240		F3	DM25/50/75[3]	TBK
	Large Unit			5L	277		PCB	DE25/50/75[3]	TWHT
	128G1 →	700			347		TLR	DCP[3]	TGR
	160G1 →	350, 530			480		TLRPC		TPG
					UNV (120-277V)		DD		TGN
							HSS[1]		RAL(*)
							HSSX[2]		

Notes
1. 'HSS' house side shield available for Type-II, Type-III and Type-IV only.
2. 'HSSX' extreme LEED house side shield available for Type-IV only.
3. Dynadimmer options and accessories are only available in 120-277 V.
4. QLA is compatible with a wide range of non-programmable and programmable occupancy sensors, wireless controls and asset management systems (by others). Contact factory for availability.

[ ]

Accessories	
F1-KIT	DYN-KIT1
F2-KIT	DYN-KIT2
F3-KIT	SG-QLA1
WM-QLA	SG-QLA2
2LHSS-64/80	RPTA-(XXX)-DT13
2LHSS-128/160	SPTA-(XXX)-DT13
3LHSS-64/80	RPA339-QLA
3LHSS-128/160	4LHSSX-64/80
4LHSS-64/80	4LHSSX-128/160
4LHSS-128/160	

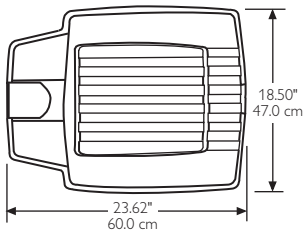
For complete specifications and available options and accessories, see current Quality Lighting spec sheet QLSP0189 and QLSP0195

PDM series

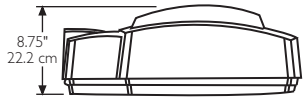
Architectural outdoor - site & area

Paradigm Series features formed, one-piece die-cast aluminum housing. Arm mount is standard. Vertical and horizontal optics are available. Available in high pressure sodium and pulse start metal halide up to 400 W. PDM Series is also available in CosmoPolis up to 140 W.

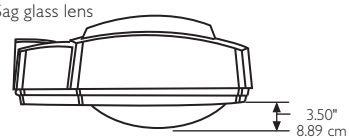
PDM Dimensions



Flat glass lens



Sag glass lens



Distribution

Vertical optics (Glass sag lens only)

5VS = Type V (square)

Horizontal optics (Flat lens standard)

2H = Type II
3H = Type III
4H = Type IV (forward throw)
5H = Type V (square)

Mounting

S1.5 = 1.5" Arm (standard) for 1@90 or 2@180
S5 = 5" Arm for 1/2/3/4@90, 2@180

Options

F1 = Single Fusing 120, 277, 347 V
F2 = Double Fusing 208, 240, 480 V
F3 = Double Fusing 208, 240, 480 V Canadian Double Pull
TLR-PC = Twist Lock Receptacle with Photocontrol
GSL = Glass Sag Lens
CL80x360 = 80° vert. x 360° horiz. Internal Lens Shielding
CL60x135 = 60° vert. x 135° horiz. Internal Lens Shielding
CWB = Cast Wall Bracket
HSF = Horizontal Slipfitter Mounts to 2-3/8" O.D.

Accessories

AL-PDM = Vandal Resistant Shield

Notes

1) 5VS optics: ED-28 lamp. Other optics: ED-37 lamp
2) CosmoPolis units only available with horizontal optics. 208, 240, 277 V Only. CosmoPolis units do not have a removable ballast tray.

Specifications

Housing: Each Paradigm PDM Series fixture shall be one-piece die cast aluminum, with a single concealed die-cast aluminum tool-less latch integrated into the face of the housing.

Lens Frame: The lens frame assembly shall be one-piece die-cast aluminum, which shall hinge at the pole end, with two concealed stainless steel hinges. The door frame shall have a heat and impact resistant clear tempered glass lens enclosed with high temperature silicone gasket.

Installation: The fixture arm shall be a one-piece die-cast aluminum with internal centering guides. Luminaire-to-pole assembly shall be made through a mechanical draw bolt attachment inside the arm, eliminating all exposed fasteners and welds. Arm assembly shall include a pole reinforcing plate which will mount inside the pole for added strength at the arm joint. An optional cast aluminum wall bracket or mast arm fitter shall be available as optional mounting methods.

Reflector: The optical chamber consists of a segmented reflector with a highly specular processed surface and a socket assembly. Reflector sidewalls and top shall be contoured so that no light is reflected back into the lamp arc tube, for optimum lamp life and performance. All Metal Halide and High Pressure Sodium lamps shall be provided with the appropriate 4 kV or 5 kV pulse rated socket.

Ballast: Ballasts and related components shall be integrated onto a single mounting plate as a self-contained subassembly. The ballast assembly shall attach to fixture using quick-disconnecting key slots with tool-less hinges and latches. Fast field wiring shall be provided for by pre-wiring all electrical components with quick-disconnect plugs. All ballasts shall be capable of providing lamp starting down to -20°F, with power factor of 90% or better (High Power Factor).

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

PDM Ordering guide

Series/size/source-wattage				Distribution	Voltage	Mounting	Options	Finish	Accessories
PSMH		CosmoPolis		5VS	120	S1.5	F1	TSA	AL-PDM
PDM24P-250	(ED-28)	PDM24C-60[2]	(T9)	2H	208	S5	F2	TDB	
PDM24P-400[1]	(ED-28/37)	PDM24C-902	(T9)	3H	240		F3	TBK	
		PDM24C-140[2]	(T9)	4H	277		TLR-PC	TWHT	
HPS				5H	347		GSL	TGR	
PDM24S-250	(ED-18)				480		CL80x360	TGN	
PDM24S-400	(ED-18)						CL60x135	RAL(*)	
							CWB		
							HSF		

For complete specifications, see current Quality Lighting spec sheet QLSP0100.

SMR LED series

Architectural outdoor - site & area

SiteMaster LED Series features precision die-cast aluminum housing. High-output LEDs have a rated life of 60,000 hours. The LED optical system individually controls the placement of light in the target area and minimizes glare. SMR LED Series features an arm mount with side access for ease of installation.

Specifications

Construction: Precision die-cast aluminum housing. One-piece fully gasketed cast aluminum lens frame. Construction and gasketing prohibit dust, moisture, and bug entry.

Optics: High-output LEDs. Individual precision optics collect and redirect light to optimize performance. LED optical system individually controls the placement of light in the target area minimizing glare. LEDs have an average rated life of 60,000 hours (L70).

Electrical: Electronic class II LED driver accepts 120-277v, 50/60hz input (constant current). Easily accessible splice box located in mounting arm. 054 LED consumes 95 watts (08 Driver). 054 LED consumes 70 watts (06 Driver). 049 LED consumes 102 watts (08 Driver). 049 LED consumes 72 watts (06 Driver).

Mounting: Factory installed die-cast aluminum arm. Arm contains integral wiring/splice chamber via side access. Key slot design provides one person installation and leveling. Hands-free wiring.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

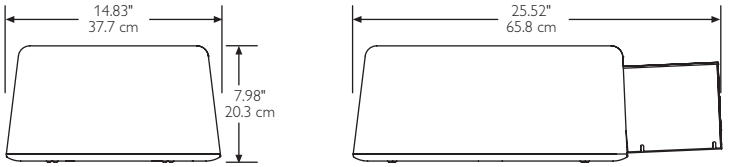
LED Technical data: See Quality Lighting spec sheet QLSP0167 for current technical data.

Warranty: Standard five-year limited LED warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) 06 Driver is reduced wattage.

SMR LED Dimensions



EPA (sq ft)	
1 Fixture	1.50

Weight: 45 lbs 20.4 kg

Voltage
U = 120-277

Optics
V2 = Type II
V3 = Type III
T5S = Type V Square
T5R = Type V Rectangle

Options
PCB = Photocell Button Type
PC = Photocell Twist Lock Type

SMR LED Ordering guide

Prefix	Driver	Voltage	Finish	LED #	Color temp	Optics	Options
SMR	08	U	TSA	054	6K	V2	PCB
	06[1]		TDB	049	4K	V3	PC
			TBK			T5S	
			TWHT			T5R	
			TGR				
			TGN				
			RAL(*)				

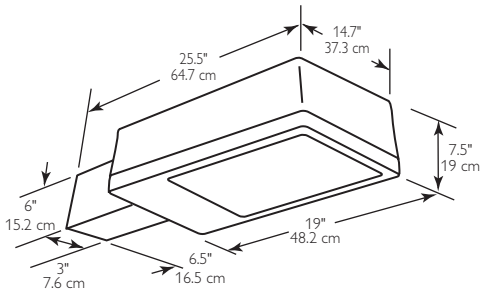
For complete specifications, see current Quality Lighting spec sheet QLSP0167.

SMR series

Architectural outdoor - site & area

SiteMaster Series features precision die-cast aluminum housing. Construction prohibits dust and moisture from entering fixture. The horizontal lamp configuration allows for full cutoff distribution. SMR Series features an arm mount. Available from 150 to 400 W pulse start metal halide, and 100 to 400 W high pressure sodium.

SMR Dimensions



EPA (sq ft)	
1 Fixture	1.50

Weight: 35 lbs 15.8 kg

Distribution
4[2] = Type IV
3 = Type III
2 = Type II

Source
PMA = Pulse Start Metal Halide
LX = High Pressure Sodium

Options (SMR)
PCB = Photocontrol (Hidden) 120 V Only.
FS = Single Fusing 120, 277 V
FFS = Double Fusing 208, 240, 480 V
TLR/PC = Twist Lock Receptacle and photocontrol
TLR/SC = Twist Lock Receptacle and shorting cap

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
5 = 480
8 = 120-277

Accessories
SMRGS = Glare Shield (four sided)
SMRHSS = House Side Shield (one side)
SMRVS = Vandal Resistant Shield
SMRWMP = Wall Mounting Plate
RMC2A-MCL = Two Fixture Cross Arm Bracket
SMRSCB = Surface Conduit Box
SMRRPA = Round Pole Adaptor (4" Pole)

Notes:
1) Standard finish is bronze, leave blank to specify.
2) Type IV requires reduced outer jacketed lamp with PMA.

Specifications

Construction: Precision die-cast aluminum housing. One-piece fully gasketed die-cast aluminum lens frame. Construction and gasketing prohibit dust, moisture, and bug entry. Toolless entry into housing/lamp chamber via door/lens frame latch.

Optics: One-piece hydroformed anodized aluminum reflector. Type 4 reflector incorporates segmented inserts. 400 W MA Types 2 and 4 optics require reduced outer jacketed lamps. Meets full cutoff criteria.

Electrical: Porcelain spring-loaded 4 kV pulse rated socket-mogul base. HPF CWA ballast. Electrical components mounted to hinged ballast tray. Starting temperature: LX(HPS)-40˚F/-40˚C, MA(MH)-20˚F/-30˚C. All metal halide fixtures are pulse start.

Mounting: Factory installed die-cast aluminum arm. Arm contains integral wiring/splice chamber via side access. Key slot design provides one person installation and leveling.

Finish: Standard finish is Flat Bronze. (leave blank to specify). Designer colors available: BRW = Textured Bronze, BLK = Textured Black, WHW = Textured White, SL = Slate, GA = Galvanite, TM = Dark Titanium, CL = Clay, LS = Limestone. Custom colors may be specified. Consult factory.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

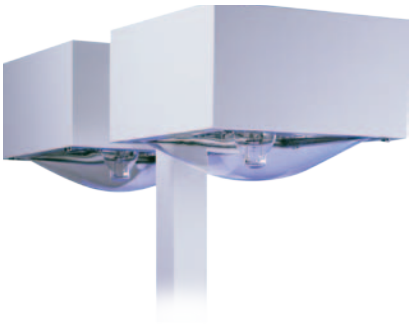
SMR Ordering guide

Prefix	Wattage				Distribution	Source	Options	Finish	Voltage
SMR	PMA		LX		4[2]	PMA	PCB	BLANK[1]	1
	15	150	**10**	100	**3**	LX	FS	BRW	2
	17	175	**15**	150	**2**		FFS	BLK	3
	25	250	**25**	250			TLR/PC	WHW	4
	32	320	**40**	400			TLR/SC	SL	5
	35	350						GA	8
	40	400						TM	
								CL	
								LS	

Contact factory for standard Wide-Lite finish options.

Accessories	Mounting accessories		
SMRGS	Pole Only Tenon Adaptors		
SMRHSS	SMRPTA1	SMRPTA290	SMRPTA390
SMRVS	SMRPTA2180	SMRPTA3120	SMRPTA4
SMRWMP	Square pole top tenon adaptors		
RMC2A-MCL	SMRSTA1	SMRSTA2180	SMRSTA4
SMRRPA	SMRSTA290	SMRSTA3	
SMRSCB	Round pole top tenon adaptors		
	SMRRTA1	SMRRTA290	SMRRTA390
	SMRRTA2180	SMRRTA3120	SMRRTA4

For complete specifications, see current Quality Lighting spec sheet QLSP0166.



SL series

Architectural outdoor - site & area

SL Series features three different housing sizes: 16", 21", and 27". All housing sizes feature an arm mount. SL16 offers high pressure sodium up to 150 W, and pulse start metal halide up to 200 W. SL21 offers 400 W max HPS and 450 W max PSMH. SL27 offers 1000 W max high pressure sodium, metal halide and pulse start metal halide.

Specifications

Housing: One piece highly tooled formed aluminum, with integral reinforcements and concealed fasteners and welds.

Lens and lens frame: Clear, heat and impact resistant tempered glass lens, secured in an extruded aluminum door frame. 21" and 27" fixtures with 5VS, 5V, 2V and VR distribution use square convex lens (unless otherwise noted), all others use square flat lens and are full cutoff. Note: Drop acrylic lens (DAL) is standard on 21" vertically lamped units.

Gasketing: Lens is fully gasketed to the lens frame with closed cell neoprene. Lens door frame is gasketed to the housing with a dense silicone extruded gasket featuring twin flexible extensions for a double seal.

Installation: SL Series housings are provided with a cast aluminum 2.5" arm for mounting a single fixture or twin fixtures at 180°. A 13.5" long extruded aluminum arm (S13.5) is supplied for other mounting configurations. An external mast arm fitter or cast aluminum wall bracket shall be available for alternative mounting methods.

Reflector: Reflector systems can be easily rotated in 90° increments or interchanged without the use of tools. SL Series is available with the following reflector systems.

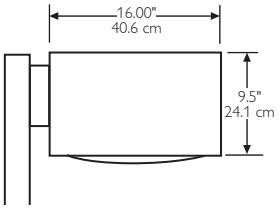
Ballast: All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation. All non CWA ballasts shall be HPF.

Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL #).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

SL16 Dimensions



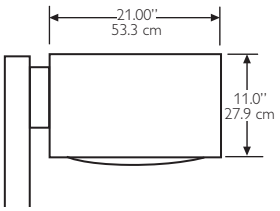
EPA (sq ft)	
1 Fixture	1.36
2 Fixtures	2.72
3@90°	4.00
3@120°	4.50
4@90°	4.50

Weight: 45 lbs 20.45 kg

SL16/SLY16 Wattage availability

PSMH		HPS	
P-70	ED-17	**S-70**	ED-17
P-100	ED-17	**S-100**	ED-17
P-150	ED-17	**S-150**	ED-17
P-175[1]	ED-17		
P-200[1]	ED-17		

SL21 Dimensions



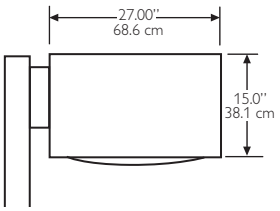
EPA (sq ft)	
1 Fixture	2.08
2 Fixtures	4.16
3@90°	6.24
3@120°	6.75
4@90°	6.75

Weight: 54 lbs 24.54 kg

SL21/SLY21 Wattage availability

PSMH		HPS	
P-250	BT-28	**S-250**	ED-18
P-400[2]	BT-28/37	**S-400**	ED-18
P-450[3]	BT-37		

SL27 Dimensions



EPA (sq ft)	
1 Fixture	3.65
2 Fixtures	7.30
3@90°	11.00
3@120°	11.50
4@90°	11.50

Weight: 77 lbs 35 kg

SL27/SLY27 Wattage availability

PSMH		HPS	
P-400	BT-37	**S-400**	ED-18
P-450	BT-37	**S-750**	BT-37
P-1000	BT-37	**S-1000**[5]	E-25 BT-37
MH			
M-1000[4]	BT-56 BT-37		

Distribution

Vertical Optics
2V = Type II
3V = Type III
4V = Type IV forward throw
5VS = Type V (square)
VR = Vertical Rectangular
5V = Type V (round)

Horizontal optics
1H = Type I
3H = Type III
4H = Type IV forward throw
5H = Type V (square)

Mounting (SL)

S2.5 = 2.5" Arm (standard)
S13.5 = 13.5" Arm

Options

F1 = Single Fusing 120, 277, 347 V
F2 = Double Fusing 208, 240, 480 V
F3 = Double Fusing 208, 240, 480 V Canadian Double Pull
TLR-PC = Twist Lock Receptacle with Photocontrol
HSS = External House Side Shield 75° standard

Options (continued)

GSL = Glass Sag Lens
Unavailable with SL16
DAL = Drop Acrylic Lens
Standard with vertical optics, SL21 only
CL80x360 = 80° vert. x 360° horiz. Internal Lens Shielding
CL60x135 = 60° vert. x 135° horiz. Internal Lens Shielding
CWB[6] = Cast Wall Bracket
HSF[6] = Horizontal Slipfitter Mounts to 2-3/8" OD

Accessories

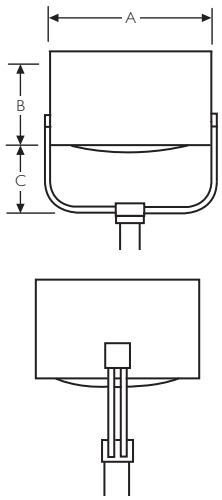
AL-SL = Vandal Resistant Shield (SL16 and SL21 only)
AL-SLY = Vandal Resistant Shield (SLY16 and SLY21 only)

SLY series

Architectural outdoor - site & area

SLY Series features three different housing sizes: 16", 21", and 27". All housing sizes feature a yoke mount. SLY16 offers high pressure sodium up to 150W, and pulse start metal halide up to 200 W. SLY21 offers 400 W max HPS and 450 W max PSMH. SLY27 offers 1000 W max high pressure sodium, metal halide and pulse start metal halide.

SLY Dimensions



Dimensions

	16"	21"	27"
A	16.00" 40.6 cm	21.00" 53.3 cm	27.00" 68.6 cm
B	9.50" 24.1 cm	11.00" 27.9 cm	15.00" 38.1 cm
C	7.00" 17.8 cm	11.00" 27.9 cm	13.00" 33.0 cm

EPA Data

16"	21"	27"
1.40	2.00	3.00

Weight

16"	21"	27"
45 lbs 20.5 kg	54 lbs 24.5 kg	77 lbs 35.0 kg

Mounting (SLY)

MP = Mounting Plate (standard)
Weld to pole

TPH = Tenon Adaptor
Slipfits 2-3/8" to 2-7/8" pipe tenon

TPH

SLY Specifications

Installation: SLY Series is provided with 0.5" aluminum 6061 T6 Schedule 40 pipe yoke, cast aluminum side caps and pole-top fitter, and matching pole-top plate. Plates are welded to pole top in place of tenon. Tenon adapter brackets (TPH) are available for mounting to poles with existing tenons.

Notes
1) Available with 5VS optics only.
2) 5VS optics: flat lens requires BT-28 lamp.
3) SLY21P-450 is only available with 5VS and 2V optics, sag lens only.
4) Flat lens requires BT-37 lamp. BT-56 requires glass sag lens option (GSL).
5) Flat lens requires BT-37 lamp, E-25 for glass sag lens.
6) Options available with SL only.

SL / SLY Ordering guide

Series/size/source-wattage		Distribution			Voltage	Mounting		Options	Finish	Accessories
SL16(X)	SLY16(X)	16"	21"	27"	120	SL	SLY	F1	TSA	AL-SL
SL21(X)	SLY21(X)	1H	1H	3V	208	S2.5	MP	F2	TDB	AL-SLY
SL27(X)	SLY27(X)	3H	3H	4V	240	S13.5	TPH	F3	TBK	
(X = Source-wattage). See SL/SLY Wattage Availability charts page 11.102		4H	4H	VR	277			TLR-PC	TWHT	
		5H	5H	5V	347			HSS	TGR	
		5VS	2V	5VS	480			GSL	TGN	
			5VS					DAL	RAL(*)	
								CL80x360		
								CL60x135		
								CWB[6]		
								HSF[6]		

For complete specifications, see current Quality Lighting spec sheets QLSP0105 and QLSP0106.

123

123 / 124 / 134 series

Architectural outdoor - site & area

The 123, 124 and 134 Series of luminaires are available in 20" and 25" housing sizes. The family consists of three different mounting options to suit all area and site lighting needs: 123 Series features an arm mount, 124 features a spider mount, and 134 features a post top mount. Available with Sag glass and flat glass lens. Both sizes offer pulse start metal halide and high pressure sodium. The 20" housing is 200 W max, and the 25" housing is 750 W max.

Specifications

Housing: 123, 124 and 134 Series' reinforced housing is constructed of heavy-gauge spun aluminum. There are no visible disturbances to the housing's smooth surface. All threaded hardware shall be stainless steel.

Lens frame: The heavy-duty cast aluminum lens frame shall be hinged to the housing with twin stainless steel piano hinges and secured with flush mounted, captive screw type fasteners.

Lens and gasketing: The flat or sag thermal and shock resistant glass lens shall be gasketed to the lens frame with extruded butyl acrylic tape sealant secured with retainer clips. The lens frame shall be gasketed to the housing's internal reinforcement ring with silicone impregnated Dacron gasketing.

Installation: 123 Series shall be provided with a cast aluminum 2.5" long arm for mounting a single fixture or twin fixtures at 180°. A 13.5" long aluminum arm is supplied for other mounting configurations. An external mast arm fitter and cast aluminum wall bracket are also available.

Reflector: 123 Series shall be available with the following reflector systems. Vertical: Type VR - (25" only) rectangular distribution, Type 5V - (20" only) square distribution; Horizontal: 4H - forward throw distribution, Type 3H - asymmetrical distribution, and Type 5H - (25" only) square distribution.

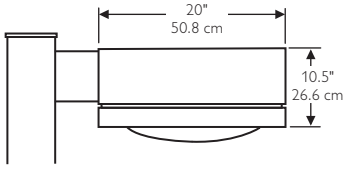
Ballast: All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation. All non CWA ballast shall be HPF.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

123-20 Dimensions (arm mount)



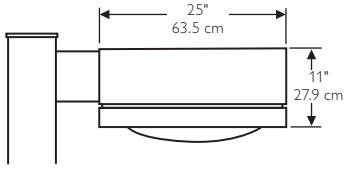
EPA (sq ft)	
1 Fixture	1.40
2 Fixtures	2.80
3 Fixtures	3.85
4 Fixtures	4.48

Weight: 36 lbs 16.3 kg

123/124/134 Wattage availability

PSMH	HPS
P-100 ED-17	**S-70** ED-17
P-150 ED-17	**S-100** ED-17
P-175[1] ED-17	**S-150** ED-17
P-200[1] ED-17	

123-25 Dimensions (arm mount)



EPA (sq ft)	
1 Fixture	2.0
2 Fixtures	4.0
3 Fixtures	4.6
4 Fixtures	6.4

Weight: 59 lbs 26.7 kg

123/124/134 Wattage availability

PSMH	HPS
P-250 ED-28	**S-250** ED-18
P-400 ED-28/37	**S-400** ED-18
P-450[2] ED-37	**S-750** BT-37

Notes
1) Only available with 5V optics.
2) 123-25P-450 Only available with VR optics.
3) ED-37, ED-18, and BT-37 lamps require glass sag lens option (GSL) with VR optics.
4) Unavailable with 20"
5) Available with 123 only.

Mounting (123)

S2.5 = 2.5" Arm (standard)1 @ 90°, 2 @ 90°, 3 @ 120°
S13.5 = 13.5" Arm 2, 3, 4 @ 90°

Options

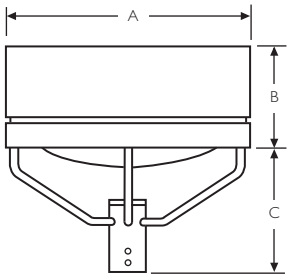
F1 = Single Fusing 120, 277, 347 V
F2 = Double Fusing 208, 240, 480 V
F3 = Double Fusing 208, 240, 480 V Canadian Double Pull
TLR-PC = Twist Lock Receptacle with Photocontrol
HSS = External House Side Shield
GSL[4] = Glass Sag Lens
CL80x360 = 80° vert. x 360° horiz Internal Lens Shielding
CL60x135 = 60° vert. x 135° horiz. Internal Lens Shielding
CWB[5] = Cast Wall Bracket
HSF[5] = Horizontal Slipfitter for 2-3/8" OD pipe

Accessories

AL-123 = Vandal Resistant Shield (400 W max)
AL-124 = Vandal Resistant Shield (400 W max)
AL-134 = Vandal Resistant Shield (400 W max)

124 134

124 Dimensions (spider mount)



124 series includes spider mount.

Dimensions

	20"	25"
A	20.00" 50.8 cm	25.00" 63.5 cm
B	10.50" 26.6 cm	11.00" 27.9 cm
C	10.50" 26.6 cm	11.00" 27.9 cm

EPA Data

20"	25"
1.40	2.00

Weight

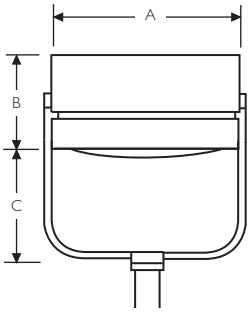
20"	25"
34 lbs 15.5 kg	59 lbs 26.7 kg

124 Specifications

Lens Frame: The housing and lens frame assembly shall be equipped with a positive locking support providing "tilt away housing" access to the optical and ballast compartments for servicing.

Installation: Each 124 Series' lens frame assembly shall be welded to an extruded aluminum spider-type mounting assembly and a cast aluminum slipfitter. The assembly shall slipfit a 2.375" O.D. x 4.5" tenon. The pre wired mounting assembly's cast aluminum post-top fitter shall have a removable top cap allowing the installer to complete power supply wiring after the luminaire has been set atop its pole.

134 Dimensions (yoke mount)



Dimensions

	20"	25"
A	20.00" 50.8 cm	25.00" 63.5 cm
B	10.50" 26.6 cm	11.00" 27.9 cm
C	12.75" 32.4 cm	14.50" 36.8 cm

EPA Data

20"	25"
1.40	2.00

Weight

20"	25"
34 lbs 15.4 kg	59 lbs 26.7 kg

134 Specifications

Installation: 134 Series fixtures are supplied with a yoke assembly allowing the fixture to be tilted 45° to permit easy access to the reflector compartment for re-lamping, or to the ballast compartment for service. Tenon adapter brackets (TPH) are available for mounting to poles with existing tenons.

Mounting (134)

MP = Mounting Plate (standard)
Weld to pole

TPH = Tenon Adaptor
Slipfits 2-3/8" to 2-7/8" pipe tenon

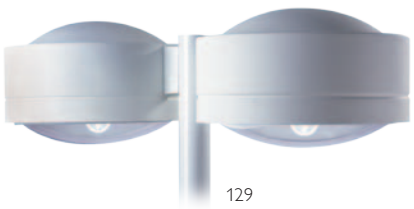
Tenon Adaptor

123 / 124 / 134 Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ] - [ ] [ ]

Series-size/source-wattage			Distribution		Voltage	Mounting			Options	Finish	Accessories
123-20(X)	124-20(X)	134-20(X)	20"	25"	120	123	124	134	F1	TSA	AL-123
123-25(X)	124-25(X)	134-25(X)	5V	VR[3]	208	S2.5	-	MP	F2	TDB	AL-124
			3H	3H	240	S13.5		TPH	F3	TBK	AL-134
(X = Source-wattage)			4H	4H	277				TLR-PC	TWHT	
See 123/124/134 wattage availability chart on opposite page. 11.16				5H	347				HSS	TGR	
					480				GSL[4]	TGN	
									CL80x360	RAL(*)	
									CL60x135		
									CWB[5]		
									HSF[5]		

For complete specifications, see current Quality Lighting spec sheets QLSP0107, QLSP0108, and QLSP0111.



129

129 / 130 / 140 series

Architectural outdoor - site & area

129, 130, and 140 Series are available in 20", 25", and 29" housing sizes. The family consists of three different mounting options to suit all area and site lighting needs: 129 features an arm mount, 130 features a spider mount for the 20" and 25" housing, and a swoop mount with the 29" housing. 140 features a post top mount. The 20" housing is 200 W max, the 25" housing is 750 W max, and the 29" is 1000 W max.

Specifications

Housing: 129, 130 and 140 Series' domed top, one-piece, reinforced housing shall be constructed of heavy-gauge spun aluminum. There shall be no visible disturbances to the housing's smooth surface. Internal and external threaded hardware is stainless steel.

Lens frame: The heavy-duty cast aluminum lens frame is hinged to the housing with twin stainless steel piano hinges and secured with flush mounted, vibration resistant, captive screw type fasteners.

Lens and gasketing: The flat or sag thermal and shock resistant glass lens is sealed to the lens frame and secured with retainer clips. Lens is gasketed to the lens frame with extruded butyl acrylic sealant. The lens frame is gasketed to the internal reinforcing ring with silicone-impregnated Dacron gasketing.

Installation: 129 Series shall be provided with a cast aluminum 2.5" long arm for mounting a single fixture or twin fixtures at 180°. A 13.5" long extruded aluminum arm is supplied for other mounting configurations. An external mast arm fitter and cast wall bracket are also available.

Reflector: The following reflector systems are available. Vertical: Type VR (25" & 29" only) - rectangular, Type 5V (20" only) - round, Type 5VS (29" only) square; Horizontal: Type 3H - asymmetrical, Type 4H - forward throw, and Type 5H - square.

Ballast: All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation. All non CWA ballast shall be HPF.

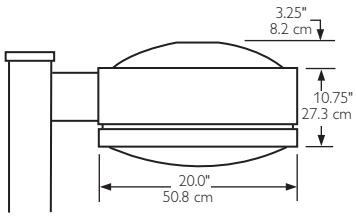
Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

Notes
1) Available with 5V distribution only.
2) 450W in 25" - VR distribution only. 450 W in 29"- VR & 5VS only.
3) VR/5VS optics: ED-37 lamp for flat glass lens and E-25 for ax4
4) ED-37, ED-18, and BT-37 must use glass sag lens option (GSL) with VR optics in 25" units.
5) Flat lens standard with horizontal optics. Glass Sag Lens available for 25" and 29" units only.
6) Glass Sag lens (GSL) required with BT-56 lamp.
7) Available with 129 only.

129-20 Dimensions (arm mount)



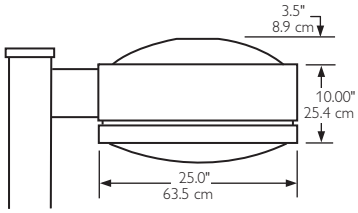
EPA (sq ft)	
1 Fixture	1.60
2 Fixtures	3.20
3 Fixtures	4.25
4 Fixtures	4.80

Weight: 38 lbs 17.2 kg

129/130/140 Wattage Availability

PSMH		HPS	
P-70	ED-17	**S-70**	ED-17
P-100	ED-17	**S-100**	ED-17
P-150	ED-17	**S-150**	ED-17
P-175[1]	ED-17		
P-200[1]	ED-17		

129-25 Dimensions (arm mount)



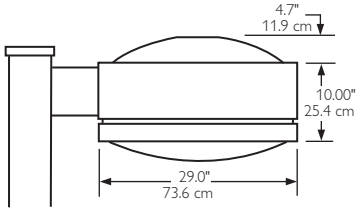
EPA (sq ft)	
1 Fixture	2.20
2 Fixtures	4.40
3 Fixtures	5.10
4 Fixtures	7.00

Weight: 61 lbs 27.7 kg

129/130/140 Wattage Availability

PSMH		HPS	
P-250	ED-28/37	**S-250**	ED-18
P-400	ED-28/37	**S-400**	ED-18
P-450[2]	ED-37	**S-750**	BT-37

129-29 Dimensions (arm mount)



EPA (sq ft)	
1 Fixture	2.86
2 Fixtures	6.14
3 Fixtures	7.06
4 Fixtures	9.82

Weight: 81 lbs 36.8 kg

129/130/140 Wattage Availability

PSMH		HPS	
P-400	ED-37	**S-400**	ED-18
P-450[2]	ED-37	**S-750**	BT-37
P-875	BT-37	**S-1000**[3]	E-25 ED-37
P-1000	BT-37/56		
MH			
M-1000	BT-37/56		

Mounting (129)

S2.5 = 2.5" Arm (standard) 1@90, 2@180, 3@120

S13.5 = 13.5" Arm Required for 2@90, 3@90, 4@90

Options

F1 = Single Fusing 120, 277, 347 V
F2 = Double Fusing 208, 240, 480 V
F3 = Double Fusing 208, 240, 480 V Canadian Double Pull
TLR-PC = Twist Lock Receptacle with Photocontrol
HSS = External House Side Shield
GSL = Glass Sag Lens (25" & 29" only)
CL80x360 = 80° vert. x 360° horiz. Internal Lens Shielding
CL60x135 = 60° vert. x 135° horiz. Internal Lens Shielding
CWB[7] = Cast Wall Bracket
HSF[7] = Horizontal Slipfitter Mounts to 2-3/8" OD

Accessories

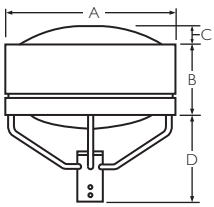
AL-(***) = Vandal Resistant Shield (20"& 25" Only, 400 W max)

130

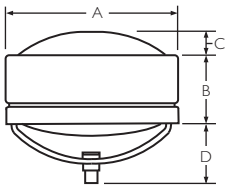
140

130 Dimensions (spider mount)

20"/25" Spider Mount



29" Swoop Mount



Dimensions

	20"	25"	29"
A	20.00" 50.8 cm	25.00" 63.5 cm	29.00" 73.7 cm
B	10.50" 26.6 cm	10.00" 25.4 cm	10.00" 25.4 cm
C	3.25" 8.2 cm	3.50" 8.9 cm	4.7" 11.9 cm
D	10.50" 26.6 cm	11.70" 27.9 cm	12.0" 30.5 cm

EPA Data

20"	25"	29"
1.60	2.20	2.86

Weight

20"	25"	29"
40 lbs 18.8 kg	63 lbs 28.6 kg	79 lbs 35.9 kg

130 Specifications

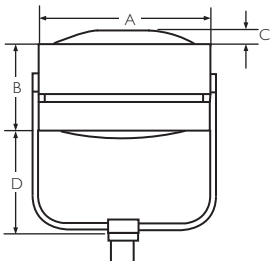
Installation: Each 130 Series' lens frame assembly shall be welded to an extruded aluminum mounting assembly and a cast aluminum slipfitter. The assembly shall slipfit a 2.375" O.D. x 4.5" tenon. The prewired mounting assemblies' cast aluminum post-top fitter shall have a removable top cap allowing the installer to complete power supply wiring after the luminaire has been set atop its pole.

Mounting (130)

SP = Spider Mount
standard for 20" and 25" units

SW = Swoop Mount
standard with 29" units

140 Dimensions (yoke mount)



Dimensions

	20"	25"	29"
A	20.00" 50.8 cm	25.00" 63.5 cm	29.00" 73.7 cm
B	10.75" 27.3 cm	10.00" 25.4 cm	10.00" 25.4 cm
C	3.25" 8.2 cm	3.50" 8.9 cm	4.7" 11.9 cm
D	12.75" 32.3 cm	14.50" 36.8 cm	19.0" 48.2 cm

EPA Data

20"	25"	29"
1.60	2.20	2.86

Weight

20"	25"	29"
40 lbs 18.8 kg	63 lbs 28.6 kg	79 lbs 35.9 kg

140 Specifications

Installation: 140 Series fixtures shall be supplied with a yoke assembly allowing the fixture to be tilted 45° to permit easy access to the reflector compartment for re-lamping or to the ballast compartment for service. Tenon adapter bracket (TPH) is available for mounting to poles with existing tenons.

Mounting (140)

MP = Mounting Plate (standard)
Weld to pole

TPH = Tenon Adaptor
Slipfits 2-3/8" to 2-7/8" pipe tenon

Tenon Adaptor

129 / 130 / 140 Ordering guide

[ ] - [ ] - [ ] - [ ] - [ ] - [ ] [ ]

Series-size/source-wattage			Distribution			Voltage	Mounting			Options		Finish	Accessories
129-20(X)	129-25(X)	129-29(X)	20"	25"	29"	120	129	130	140	F1	TLR-PC	TSA	AL-129
130-20(X)	130-25(X)	130-29(X)	5V	VR[4]	5VS	208	S2.5	SP	MP	F2	CL80x360	TDB	AL-130
140-20(X)	140-25(X)	140-29(X)	3H[5]	3H[5]	VR[6]	240	S13.5	SW	TPH	F3	CL60x135	TBK	AL-140
(X = Source-wattage)			4H[5]	4H[5]	3H[5]	277				HSS		TWHT	
See 129/130/140 wattage availability chart on page 11.17				5H[5]	4H[5]	347				GSL		TGR	
					5H[5]	480				CWB[7]		TGN	
										HSF[7]		RAL(*)	

For complete specifications, see current Quality Lighting spec sheets QLSP0109, QLSP0110, and QLSP0112.

SND series

Architectural outdoor - site & area

SND Series features a dome topped housing constructed of heavy gauge spun aluminum. There are two housing sizes available: 18" and 24". SND Series features an arm mount. The 18" housing offers up to 150 W pulse start metal halide and high pressure sodium. The 24" housing offers up to 400 W pulse start metal halide and high pressure sodium.

Specifications

Housing: Domed top, one-piece, reinforced housing shall be constructed of heavy-gauge spun aluminum. There shall be no seams, weld beads or other visible disturbances to the housing's smooth surface. All internal and external threaded hardware shall be stainless steel.

Lens frame: Heavy gauge aluminum lens door shall be hinged to the housing with a single stainless steel piano hinge and shall be secured with flush mounted vibration resistant captive screw type fasteners.

Lens and gasketing: The thermal and shock resistant flat tempered glass lens shall be sealed to the lens door and secured with retainer clips. The lens shall be gasketed to the lens door with silicone. The lens door shall be gasketed to the housing's internal reinforcement ring with Dacron gasketing.

Installation: Each SND Series shall be provided with an extruded aluminum mounting arm. Field installation to bracket or pole shall be accomplished without having to remove or disassemble any fixture components.

Reflector: The following reflector systems are available: Vertical: Type 5VS - (24" only) square; Horizontal: Type 4H - forward throw, Type 5H - square, Type 2H - asymmetrical, and Type 3H - asymmetrical.

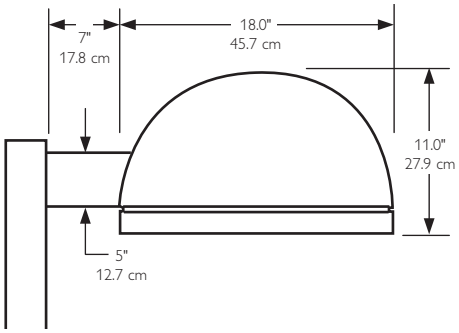
Ballast: All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation. All non CWA ballasts shall be HPF.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

SND18 Dimensions (arm mount)



EPA (sq ft)

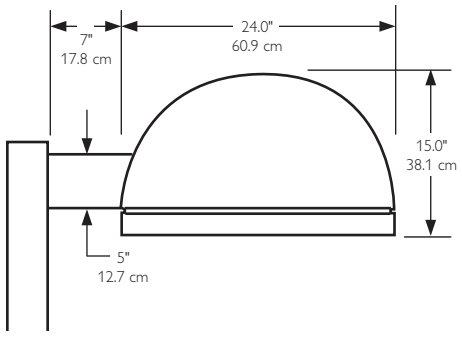
1 Fixture	0.90
2 Fixtures	1.82
3 Fixtures	2.22
4 Fixtures	2.58

Weight: 60 lbs 28.2 kg

SND18 Wattage availability

PSMH		HPS	
P-100	ED-17	**S-100**	ED-17
P-150	ED-17	**S-150**	ED-17

SND24 Dimensions (arm mount)



EPA (sq ft)

1 Fixture	1.70
2 Fixtures	3.40
3 Fixtures	4.68
4 Fixtures	5.45

Weight: 72 lbs 32.7 kg

SND24 Wattage availability

PSMH		HPS	
P-175[1]	ED-17	**S-250**	ED-18
P-200[1]	ED-17	**S-400**	ED-18
P-250[2]	ED-28		
P-400[2]	ED-37		

Mounting (SND)

SS7 = 7" Square Arm 1@90, 2@90, 2@180, 3@90, 4@90

SR7(*) = 7" Round Arm (*= specifyOD) 1@90, 2@90, 2@180, 3@90, 4@90

Options (SND/SNDY)

F1 = Single Fusing 120, 277, 347 V

F2 = Double Fusing 208, 240, 480 V

F3 = Double Fusing 208, 240, 480 V Canadian Double Pull

TLR-PC = Twist Lock Receptacle with Photocontrol

HSS = Internal House Side Shield Rotatable

CWB[4] = Cast Wall Bracket

Accessories

AL-SND = Vandal Resistant Shield

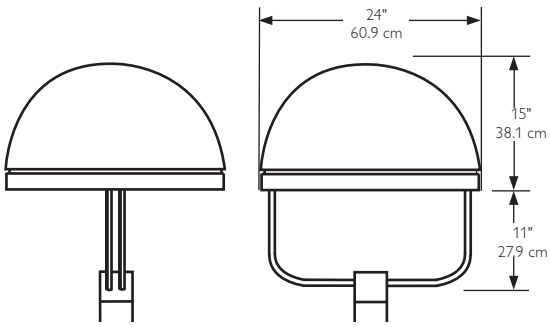
AL-SNDY = Vandal Resistant Shield

SNDY series

Architectural outdoor - site & area

SNDY Series features a yoke mount, and is available in one 24" housing size. SNDY offers pulse start metal halide and high pressure sodium up to 400 W.

SNDY Dimensions (yoke mount)



Note: See ordering information for pole size and mounting details.

EPA (sq ft)

1 Fixture 1.70

Weight: 60 lbs 28.2 kg

SNDY Wattage availability

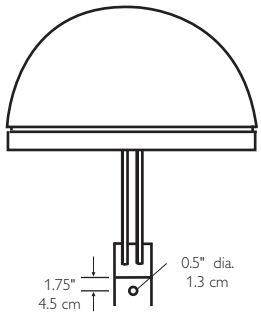
PSMH		HPS	
P-100	ED-17	**S-100**	ED-17
P-150	ED-17	**S-150**	ED-17
P-175[1]	ED-17	**S-250**[2]	ED-18
P-200[1]	ED-17	**S-400**[2]	ED-18
P-250[2]	ED-28		
P-400[2]	ED-37		

SNDY Specifications

Installation: Each SNDY Series shall be mounted on a dual yoke of 0.5" I.D. pipe, screwed to housing and welded to slipfitter. Tenon fitter shall mount to a round pole (see ordering information for details). The post-top fitter shall have a removable top cap.

Notes
1) 175 and 200W PSMH are only available with 5VS optics.
2) Square, vertical optic (5VS) is not available in 250 or 400 W.
3) 4" and 5" poles must be drilled with 0.5" through holes for attachment - 3 @ 120° (1.75" from pole top).
4) Only available with SND.

Drill pattern (internal slipfitter poles)



3 holes at 120°. One aligned with tubular arms.

Accessories

AL-SNDY = Vandal Resistant Shield

Mounting (SNDY)

PT4[3] = 4" Post Top Internal Slipfit (standard)
3.5" outer diameter fitter

PT3 = 3" Post Top Slips over Pole
3 set screw fasten fixture to pole

PT5[3] = 5" Post Top Internal Slipfit
4.5" outer diameter fitter

SND / SNDY Ordering guide

Series-size/source-wattage	Distribution		Voltage	Mounting		Options	Finish	Accessories
SND18(X)	18"	24"	120	SND	SNDY	F1	TSA	AL-SND
SND24(X)	2H	2H	208	SS7	PT4[3]	F2	TDB	AL-SNDY
SNDY24(X)	3H	3H	240	SR7	PT3	F3	TBK	
(X = Source-Wattage)	4H	4H	277		PT5[3]	TLR-PC	TWHT	
See wattage availability charts page 11.108	5H	5H	347			HSS	TGR	
		5VS	480			CWB[4]	TGN	
							RAL(*)	

For complete specifications, see current Quality Lighting spec sheets QLSP0113 and QLSP0114.

SE series

Architectural outdoor - site & area

SE Series is formed from heavy gauge aluminum. It is available in four housing sizes: 20", 24", 34", and 48". SE Series features an end mount. The 20" housing size offers 18, 35, and 55 W low pressure sodium. The 24" housing size offers 90, and two 55 W low pressure sodium. The 34" housing offers two 90 W, and 135 W low pressure sodium and the 48" offers 180 W low pressure sodium.

Specifications

Housing: Each Design SE and SS housing shall be formed from heavy gauge aluminum and internally welded.

Lens and gasketing: Extruded clear anodized aluminum door frame shall be furnished with fully tempered, thermal and shock resistant clear glass. White Dacron open cell gasket prevents entry of moisture, dust and insects. All external hardware to be stainless steel.

Installation: Each SE/SS Series fixture shall be provided with an aluminum extruded mounting arm. Field installation to bracket or pole shall be accomplished without having to remove or disassemble any fixture component.

Reflector: The Optical assembly shall be of highly specular aluminum. SE/SS Series shall be equipped with the following horizontal reflector systems: Type 3H, (SE only) type III distribution, and a Type 4H, (SS only) forward throw distribution. All photometric data shall be certified by an independent testing facility.

Ballast: Ballast shall be tray mounted and readily accessible, removable and insulated. The fixture is to be factory pre-wired, completely assembled and electronically tested prior to shipment. Quick disconnects are standard.

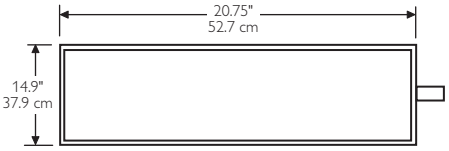
Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

SE20 model is Florida Fish and Wildlife Conservation Commission Certified when used with a house side shield and 18 or 35 W LPS lamp. SE is approved for use in areas adjacent to ecologically sensitive areas, sea turtle nesting habitats, migratory corridors and dark sky friendly communities. Please visit www.qualitylighting.com for more details.

SE20 Dimensions

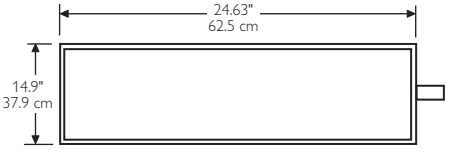


EPA (sq ft)
1 Fixture 1.40

Weight: 42 lbs 19 kg

Wattage availability
LPS
L-18 T-17
L-35 T-17
L-55 T-17

SE24 Dimensions

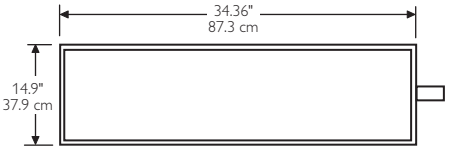


EPA (sq ft)
1 Fixture 1.50

Weight: 48 lbs 21.8 kg

Wattage availability
LPS
L-90 T-21
L-2x55 2-T-21

SE34 Dimensions

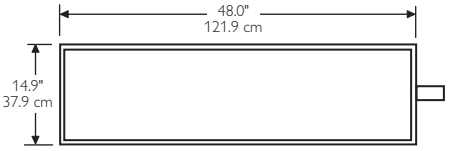


EPA (sq ft)
1 Fixture 1.95

Weight: 55 lbs 25 kg

Wattage availability
LPS
L-2x90 2-T-21
L-135 T-21

SE48 Dimensions



EPA (sq ft)
1 Fixture 2.62

Weight: 62 lbs 28 kg

Wattage availability
LPS
L-180 T-21

Distribution (SE)
3H = Type III

Distribution (SS)
4H = Type IV Forward Throw

Mounting (SE/SS)
S7 = 7" Standard Arm
S12 = 12" Arm

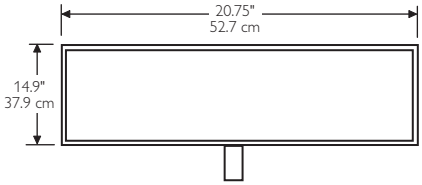
Options (SE/SS)
F1 = Single Fusing 120, 277, 347 V
F2 = Double Fusing 208, 240, 480 V
F3 = Double Fusing 208, 240, 480 V Canadian Double Pull
TLR-PC = Twist Lock Receptacle with Photocontrol
CSR = Hot Emergency Quartz Restrike
CP = Clear Flat Polycarbonate Lens
HSS = External House Side Shield 75° standard
CWB = Cast Wall Bracket

SS series

Architectural outdoor - site & area

SS Series is formed from heavy gauge aluminum. It is available in four housing sizes: 20", 24", 34", and 48". SS Series features a side mount. The 20" housing size offers 18, 35, and 55 W low pressure sodium. The 24" housing size offers 90, and two 55 W low pressure sodium. The 34" housing offers two 90 W, and 135 W low pressure sodium and the 48" offers 180 W low pressure sodium.

SS20 Dimensions

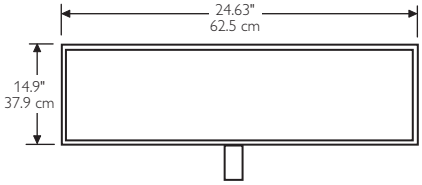


EPA (sq ft)
1 Fixture 1.40

Weight: 42 lbs 19 kg

Wattage availability
LPS
L-18 T-17
L-35 T-17
L-55 T-17

SS24 Dimensions

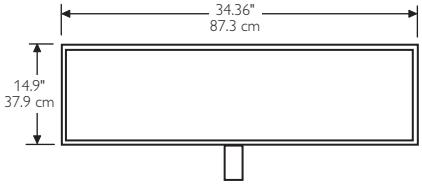


EPA (sq ft)
1 Fixture 1.50

Weight: 48 lbs 21.8 kg

Wattage availability
LPS
L-90 T-21

SS34 Dimensions

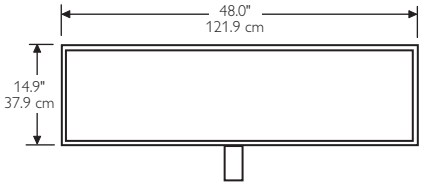


EPA (sq ft)
1 Fixture 1.95

Weight: 55 lbs 25 kg

Wattage availability
LPS
L-135 T-21

SS48 Dimensions



EPA (sq ft)
1 Fixture 2.62

Weight: 62 lbs 28 kg

Wattage availability
LPS
L-180 T-21

SE / SS Ordering guide

Series/size/source-wattage		Distribution		Voltage	Mounting	Options	Finish
SE20(X)	SS20(X)	SE	SS	120	S7	F1	TSA
SE24(X)	SS24(X)	3H	4H	208	S12	F2	TDB
SE34(X)	SS34(X)			240		F3	TBK
SE48(X)	SS48(X)			277		TLR-PC	TWHT
(X = Source-Wattage) See wattage availability charts. 11.110				347		CSR	TGR
				480		CP	TGN
						HSS	RAL(*)
						CWB	

For complete specifications, see current Quality Lighting spec sheet QLSP0141.

SS20 model is Florida Fish and Wildlife Conservation Commission Certified when used with a house side shield and 18 or 35 W LPS lamp. SS is approved for use in areas adjacent to ecologically sensitive areas, sea turtle nesting habitats, migratory corridors and dark sky friendly communities. Please visit www.qualitylighting.com for more details.

ALPV series

Architectural post-top

ALPV Series is constructed of heavy duty cast aluminum. Arm mount, pendant mount and wall bracket options are available. The lens is opal acrylic for symmetric light distribution. ALPV Series offers 21" and 24" housing sizes as well as a dome top and a conical top. ALPV Series offers 70 and 150 W ceramic metal halide, 100 and 150 W pulse start metal halide, 70 and 150 W high pressure sodium, and 13, 26, and 42 W compact fluorescent.

Specifications

Housing: The housing shall be constructed of heavy duty cast aluminum with a minimum 0.188" wall thickness.

Shade: The shade shall be constructed of heavy duty cast aluminum with a minimum 0.188" wall thickness.

Mounting detail: The single fixture arm shall internally slip fit a 3" or 4" O.D. pole. Consult Factory for other pole sizes. The Arm Mount (AM) brackets shall externally slip fit a 3" O.D. pole. Consult Factory for other pole sizes. The pendant mounted option (P) is supported by an aluminum pipe 1" O.D. (specify length) with a hang straight bracket (max. 25° slope) attached with two 0.38" bolts on a 5.75" bolt circle and a canopy for mounting over a recessed 4" square junction box.

Ballast: The ballast shall be readily accessible, removable and insulated. The fixture is to be pre-wired and electronically tested before shipment.

Lens: The lens shall be opal acrylic for symmetric light distribution.

Lamp Holder: The standard lamp holder shall be 4 kV pulse rated medium base for HID lamp sources.

Hardware: All exposed hardware shall be stainless steel.

Finish: Black (BLK), Dark Bronze (DB), White (WHT), Green (GN), Gray (GR) and Satin Aluminum (SA) baked enamel paint standard. Powder coat and custom colors available on request.

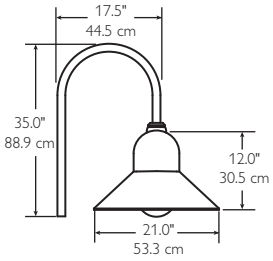
Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

Notes
1) 21" housing Only.
2) Consult factory for other voltages.

ALPV Dimensions (dome top, arm mount)

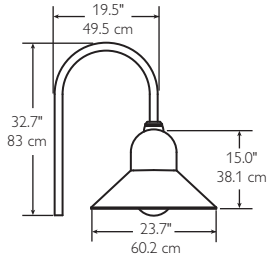
ALPV21



EPA (sq ft)	
1 Fixture	0.88
2 @ 180	2.32

Weight: 29 lbs 13.15 Kg

ALPV24



EPA (sq ft)	
1 Fixture	1.31
2 @ 180	3.18

Weight: 53 lbs 24.04 Kg

Style

CT = Conical Top

DT = Dome Top

Distribution

S = Symmetrical Opal Acrylic

3H[1] = Dark Sky Type 3 Reflector

5H[1] = Dark Sky Type 5 Reflector

Mounting accessories

AM(**)ISF3 =
Single Arm Mount
Internally slip fits 3" O.D. pole

AM(**)ISF4 =
Single Arm Mount
Internally slip fits 4" O.D. pole

AM(**)ESF3-2180 =
2 @ 180° Pole Adaptor
Externally slip fits 3" O.D. pole

AM(**)ESF3-3120 =
3 @ 120° Pole Adaptor
Externally slip fits 3" O.D. pole

AM(**)ESF3-490 =
4 @ 90° Pole Adaptor
Externally slip fits 3" O.D. pole

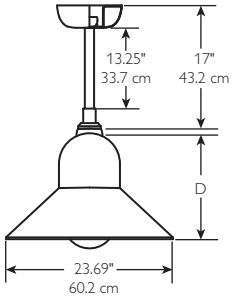
WB(**) = Wall Bracket

P(X) = Pendant Mount
(X = specify pendant length in inches)

(**) Specify 21" or 24" housing
Selection Required. Mounting accessories must be ordered separately.

ALPV Dimensions (dome top, pendant mount)

ALPV21 / 24



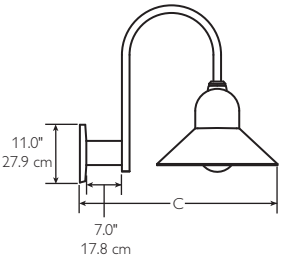
Dimensions	D
21"	12.00" 30.5 cm
24"	13.00" 33.0 cm

EPA (sq ft)	
21"	1.03
24"	1.46

Weight (Lbs)	
21"	32 14.5 Kg
24"	56 25.4 Kg

ALPV Dimensions (dome top, wall bracket)

ALPV21 / 24



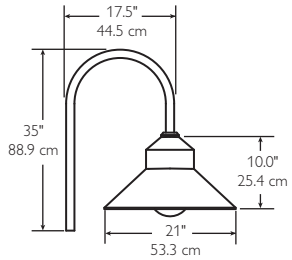
Dimensions	C
21"	35.75" 90.8 cm
24"	39.30" 99.8 cm

EPA (sq ft)	
21"	1.21
24"	1.64

Weight (Lbs)	
21"	35 15.9 Kg
24"	59 26.8 Kg

ALPV Dimensions (conical top, single arm mount)

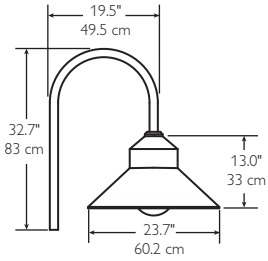
ALPV21



EPA (sq ft)	
1 Fixture	0.81
2 @ 180	2.18

Weight: 22 lbs 9.98 kg

ALPV24

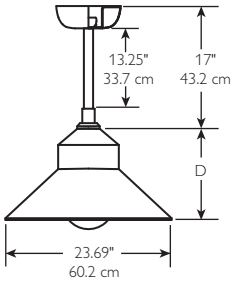


EPA (sq ft)	
1 Fixture	1.22
2 @ 180	3.0

Weight: 46 lbs 20.87 kg

ALPV Dimensions (conical top, pendant mount)

ALPV21 / 24



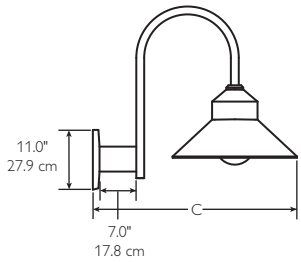
Dimensions	D
21"	10.00" 25.4 cm
24"	13.00" 33.0 cm

EPA (sq ft)	
21"	0.96
24"	1.37

Weight (Lbs)	
21"	25 11.3 kg
24"	49 22.2 Kg

ALPV Dimensions (conical top, wall bracket)

ALPV21 / 24



Dimensions	C
21"	35.75" 90.8 cm
24"	39.30" 99.8 cm

EPA (sq ft)	
21"	1.14
24"	1.55

Weight (Lbs)	
21"	28 12.7 kg
24"	52 23.6 Kg

ALPV Ordering guide

Series/size/source-wattage				Style	Distribution	Voltage[2]	Finish
CMH		HPS		CT	S	120	BLK
ALPV21C-70	T6	ALPV21S-70	E17	DT	3H[1]	208	WHT
ALPV24C-150	T6	ALPV24S-150	E17		5H[1]	240	GN
PSMH		CF				277	DB
ALPV21P-100	E17	ALPV21CF-13	CF				SA
ALPV24P-150	E17	ALPV21CF-26	CFQ				GR
		ALPV21CF-42	CFT				RAL(*)

Mounting accessories*	
ALPV21	ALPV24
AM21ISF3	AM24ISF3
AM21ISF4	AM24ISF4
AM21ESF3-2180	AM24ESF3-2180
AM21ESF3-3120	AM24ESF3-3120
AM21ESF3-490	AM24ESF3-490
WB21	WB24
P(X)	P(X)

For complete specifications, see current Quality Lighting spec sheet WLSP0122.

* Selection Required. Mounting Accessories must be ordered separately.

AOPV series

Architectural post-top

AOPV Series features heavy duty, cast aluminum housing. The lens is opal acrylic for symmetric light distribution. AOPV Series offers 21" and 24" housing sizes as well as a dome and conical top. Three mounting options are available: single fixture arm mount, pendant mount, and a wall bracket mount. AOPV series is available in 70 and 150 W ceramic metal halide, 100 and 150 W pulse start metal halide, 70 and 150 W high pressure sodium, and 13, 26, and 42 W compact fluorescent.

Specifications

Housing: The housing shall be constructed of heavy duty cast aluminum with a minimum 0.188" wall thickness.

Shade: The shade shall be constructed of heavy duty cast aluminum with a minimum 0.188" wall thickness.

Mounting Detail: The single fixture arm shall internally slip fit a 3" or 4" O.D. pole. Consult Factory for other pole sizes. The Arm Mount (AM) brackets shall externally slip fit a 3" O.D. pole. Consult Factory for other pole sizes. The pendant mounted option (P) is supported by an aluminum pipe 1" O.D. (specify length) with a hang straight bracket (max. 25° slope) attached with two 0.38" bolts on a 5.75" bolt circle and a canopy for mounting over a recessed 4" square junction box.

Ballast: The ballast shall be readily accessible, removable and insulated. The fixture is to be pre-wired and electronically tested before shipment.

Lens: The lens shall be opal acrylic for symmetric light distribution.

Lamp Holder: The standard lamp holder shall be 4 kV pulse rated medium base, for HID lamp sources.

Hardware: All exposed hardware shall be stainless steel.

Finish: Black (BLK), Dark Bronze (DB), White (WHT), Green (GN), Gray (GR) and Satin Aluminum (SA) baked enamel paint standard. Powder coat and custom colors available on request.

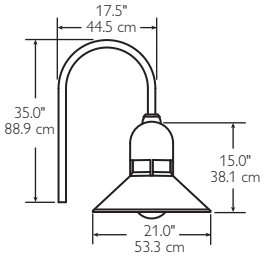
Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

Notes
1) Consult factory for other voltages.

AOPV Dimensions (dome top, arm mount)

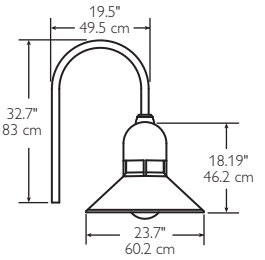
AOPV21



EPA (sq ft)	
1 Fixture	1.02
2 @ 180	2.60

Weight: 30 lbs 13.6 Kg

AOPV24



EPA (sq ft)	
1 Fixture	1.46
2 @ 180	3.48

Weight: 50 lbs 22.7 Kg

Style

CTW = Conical Top Window

DTW = Dome Top Window

Distribution

S = Symmetrical Opal Acrylic

Mounting accessories

AM(**)ISF3 =
Single Arm Mount
Internally slip fits 3" O.D. pole

AM(**)ISF4 =
Single Arm Mount
Internally slip fits 4" O.D. pole

AM(**)ESF3-2180 =
2 @ 180° Pole Adaptor
Externally slip fits 3" O.D. pole

AM(**)ESF3-3120 =
3 @ 120° Pole Adaptor
Externally slip fits 3" O.D. pole

AM(**)ESF3-490 =
4 @ 90° Pole Adaptor
Externally slip fits 3" O.D. pole

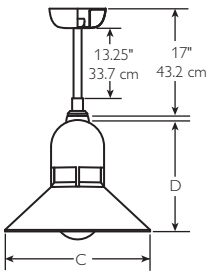
WB(**) = Wall Bracket

P(X) = Pendant Mount
(X = specify pendant length in inches)

(**) Specify 21" or 24" housing
Selection Required. Mounting accessories must be ordered separately.

AOPV Dimensions (dome top, pendant mount)

AOPV21 / 24



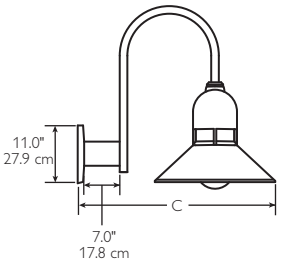
Dimensions	C	D
21"	21.00" 53.3 cm	15.0" 38.1 cm
24"	23.69" 60.2 cm	18.19" 46.2 cm

EPA (sq ft)	
21"	1.17
24"	1.61

Weight (Lbs)	
21"	33 14.96 Kg
24"	53 24.04 Kg

AOPV Dimensions (dome top, wall bracket)

AOPV21 / 24



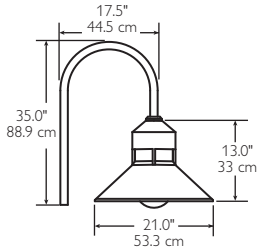
Dimensions	C
21"	35.75" 90.8 cm
24"	39.30" 99.8 cm

EPA (sq ft)	
21"	1.35
24"	1.79

Weight (Lbs)	
21"	36 16.3 Kg
24"	56 25.4 Kg

AOPV Dimensions (conical top, arm mount)

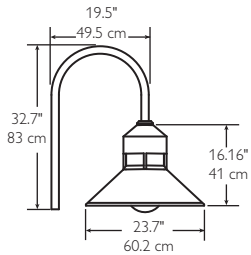
AOPV21



EPA (sq ft)	
1 Fixture	0.94
2 @ 180	2.44

Weight: 26 lbs 11.8 Kg

AOPV24

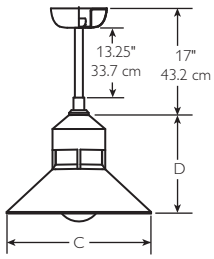


EPA (sq ft)	
1 Fixture	1.37
2 @ 180	3.30

Weight: 42 lbs 19.05 Kg

AOPV Dimensions (conical top, pendant mount)

AOPV21 / 24



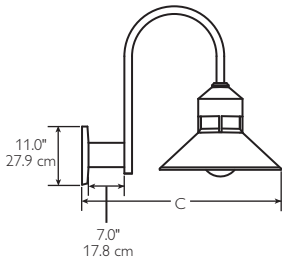
Dimensions	C	D
21"	21.00" 53.3 cm	13.0" 33.0 cm
24"	23.69" 60.2 cm	16.16" 41.0 cm

EPA (sq ft)	
21"	0.96
24"	1.52

Weight (Lbs)	
21"	29 13.15 Kg
24"	45 20.41 Kg

AOPV Dimensions (conical top, wall bracket)

AOPV21 / 24



Dimensions	C
21"	35.75" 90.8 cm
24"	39.30" 99.8 cm

EPA (sq ft)	
21"	1.27
24"	1.70

Weight (Lbs)	
21"	32 14.5 Kg
24"	48 21.7 Kg

AOPV Ordering guide

Series/size/source-wattage				Style	Distribution	Voltage[1]	Finish
CMH		HPS		CTW	S	120	BLK
AOPV21C-70	T6	AOPV21S-70	E17	DTW		208	WHT
AOPV24C-150	T6	AOPV24S-150	E17			240	GN
PSMH		CF				277	DB
AOPV21P-100	E17	AOPV21CF-13	CF				SA
AOPV24P-150	E17	AOPV21CF-26	CFQ				GR
		AOPV21CF-42	CFT				RAL(*)

Mounting accessories*	
AOPV21	AOPV24
AM21ISF3	AM24ISF3
AM21ISF4	AM24ISF4
AM21ESF3-2180	AM24ESF3-2180
AM21ESF3-3120	AM24ESF3-3120
AM21ESF3-490	AM24ESF3-490
WB21	WB24
P(X)	P(X)

For complete specifications, see current Quality Lighting spec sheet WLSP0123.

* Selection Required. Mounting Accessories must be ordered separately.

ZAV series

Architectural post-top

ZAV Series is constructed of heavy duty cast aluminum. The lens is opal acrylic for wide-angle light distribution. ZAV Series offers 21" and 24" housing sizes as well as a dome or conical top. A clear acrylic louver system is also available. Standard mount is post top, other mounting configurations are optional. ZAV Series is available in 70 and 150 W ceramic metal halide, 100 and 150 W pulse start metal halide, 70 and 150 W high pressure sodium, and 13, 26, and 42 W compact fluorescent.

Specifications

Housing: The housing shall be constructed of heavy duty cast aluminum with a minimum 0.186" wall thickness.

Shade: The shade shall be constructed of heavy duty cast aluminum with a minimum 0.186" wall thickness.

Mounting detail: The 21" fixtures shall externally slip fit a 2.38" O.D. tenon (min 2.38" tall). The 24" fixtures shall externally slip fit a 3" O.D. tenon (min 3" tall). Post Top Mount standard. The Bracket Mount (BM) shall externally slip fit a 2-3/8" O.D. tenon.

Ballast: The ballast shall be readily accessible, removable and insulated. The fixture is to be pre-wired and electronically tested before shipment.

Lens: The lens shall be opal acrylic for wide angle light distribution or clear acrylic with louver system (CLL).

Lamp holder: The standard lamp holder shall be 4 kV pulse rated medium base, for HID lamp sources.

Hardware: All exposed hardware shall be stainless steel.

Finish: Black (BLK), Dark Bronze (DB), White (WHT), Green (GN), Gray (GR) and Satin Aluminum (SA) baked enamel paint standard. Powder coat and custom colors available on request.

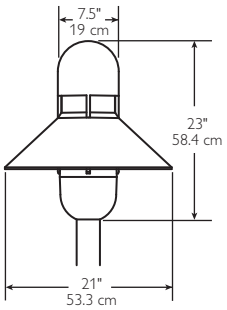
Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

Notes
1) Consult factory for other voltages.

ZAV Dimensions (dome top, standard post top mount)

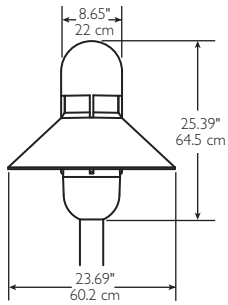
ZAV21



EPA (sq ft)	
1 Fixture	1.31

Weight: 36 lbs 16.33 Kg

ZAV24



EPA (sq ft)	
1 Fixture	1.87

Weight: 60 lbs 27.22 Kg

Style

CTW = Conical Top Window

DTW = Dome Top Window

Distribution

S = Symmetrical Opal Acrylic

CLL = Clear Acrylic with Louvers

Mounting accessories

BM(**)-2180 = Pole Adaptor 2 @ 180°

BM(**)-3120 = Pole Adaptor 3 @ 120°

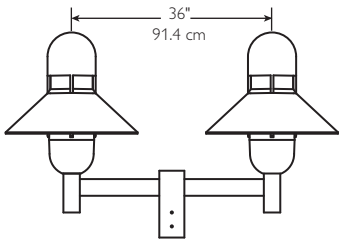
BM(**)-490 = Pole Adaptor 4 @ 90°

WB(**) = Wall Bracket

(**) Specify 21" or 24" housing
Single post-top mount is standard.
Additional mounting accessories may be ordered separately.

ZAV Dimensions (dome top, 2 @ 180° pole adaptor)

ZAV21 / 24

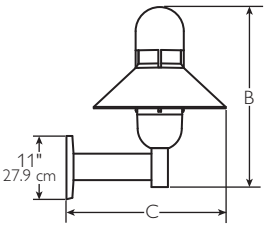


EPA (sq ft)	
21"	3.81
24"	4.93

Weight (Lbs)	
21"	82 37.2 Kg
24"	130 59.0 Kg

ZAV Dimensions (dome top, wall bracket)

ZAV21 / 24



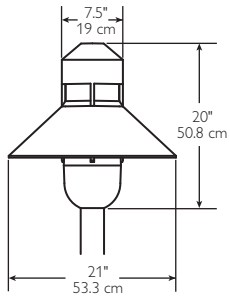
Dimensions	B	C
21"	27.25" 69.2 cm	30.00" 76.2 cm
24"	28.63" 72.7 cm	32.38" 82.2 cm

EPA (sq ft)	
21"	2.21
24"	2.77

Weight (Lbs)	
21"	42 19.05 Kg
24"	66 29.94 Kg

ZAV Dimensions (conical top, standard post top mount)

ZAV21

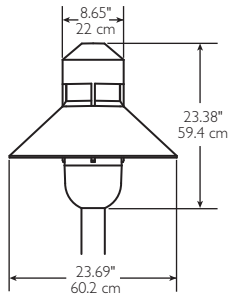


EPA (sq ft)

1 Fixture	1.26

Weight: 30 lbs 13.60 Kg

ZAV24



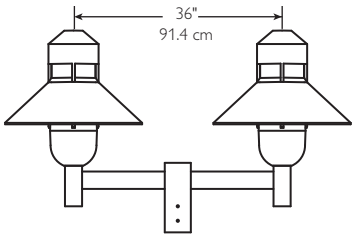
EPA (sq ft)

1 Fixture	1.77

Weight: 52 lbs 23.58 Kg

ZAV Dimensions (conical top, 2 @ 180° pole adaptor)

ZAV21 / 24



EPA (sq ft)

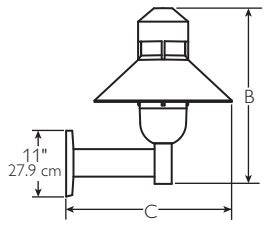
21"	3.71
24"	4.73

Weight (Lbs)

21"	70 31.8 Kg
24"	114 51.7 Kg

ZAV Dimensions (conical top, wall bracket)

ZAV21 / 24



Dimensions

	B	C
21"	27.25" 69.2 cm	27.00" 68.6 cm
24"	28.63" 72.7 cm	30.38" 77.2 cm

EPA (sq ft)

21"	2.16
24"	2.67

Weight (Lbs)

21"	36 16.33 Kg
24"	58 26.31 Kg

ZAV Ordering guide

_____ - ____ - ____ - ____ - ____

Series/size/source-wattage				Style	Distribution	Voltage[1]	Finish
CMH		HPS		CTW	S	120	BLK
ZAV21C-70	T6	ZAV21S-70	E17	DTW	CLL	208	WHT
ZAV24C-150	T6	ZAV24S-150	E17			240	GN
PSMH		CF				277	DB
ZAV21P-100	E17	ZAV21CF-13	CF				SA
ZAV24P-150	E17	ZAV21CF-26	CFQ				GR
		ZAV21CF-42	CFT				RAL(*)

_____ - ____

Mounting accessories*		Finish
ZAV21	ZAV24	BLK
BM21-2180	BM24-2180	WHT
BM21-3120	BM24-3120	GN
BM21-490	BM24-490	DB
WB21	WB24	SA
		GR
		RAL(*)

For complete specifications, see current Quality Lighting spec sheet WLSP0124.

* Mounting Accessories must be ordered separately.

QLW-7G1

QLW-16G1

QLW LED series

Architectural outdoor - wall & surface mount

Quality LED Wall and surface mount series promises low power requirements and long life, making it the right family of products for today's focus on sustainability and energy conservation. The low-profile, geometric styling design is available in three housing sizes and four distribution patterns for illumination flexibility. In addition, the series offers full range dimming control options for added energy savings.

Specifications

Rated system life (LED life per L70): 7 LED: 60,000 hrs @ 25°-40°C (77°-104°F) 16 and 32 LED: See Spec Sheet.

Housing / construction: Housing constructed of heavy die cast aluminum and fully gasketed. 7 LED: Acrylic lens. 16 or 32 LED: Glass Lens. Integral cast aluminum heat sink ensures cool operation. Complete with integral splice chamber.

Optical system: 7 LED: Philips LED Optical system individually controls the placement of light in the target area. 4100 K neutral white color temperature. Type III distribution with shielded optics and no uplight. Individual precision collimating optics collects and redirect light to optimize performance. Functions in environments with temperatures that range from -30°C to 40°C (-22°F to 104°F). 16 & 32 LED: Type II, III, IV or Wall Throw distribution. Meets IES Full Cutoff criteria. Fully gasketed Dust-Tite construction. 16 or 32 Rebel ES LEDs. Color temperature: Neutral White 4125 K +/- 175K. Metal core printed circuit board. RoHS compliant.

Driver: 7 LED: Electronic Class II LED driver accepts 120-220 V, 50/60Hz input (constant current). Requires only 13 system watts for environmentally-friendly operation. 16 & 32 LED: Class 1, 120 / 220 V, 50/60 Hz (constant current), 16 LED: approximately 45 watts. 32 LED: approximately 91 watts.

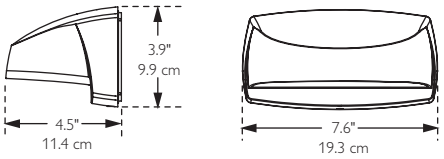
Mounting: Built-in bubble level for accuracy. Universal mounting plate with hook and lock mounting.

Finish: 7 LEDs: Corrosion resistant Duraplex II polyester powder coated finish available in textured white (TWHT) and textured gray (TGR). 16 & 32 LEDs: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR = textured gray, TPG = textured Philips gray, TGN = textured green, and RAL(*) = custom color (* = specify RAL #).

Listings: ETL/cETL listed, suitable for wet locations.

Warranty: Standard 5 Year Limited Warranty.

QLW7 Dimensions (formerly known as GSM7)

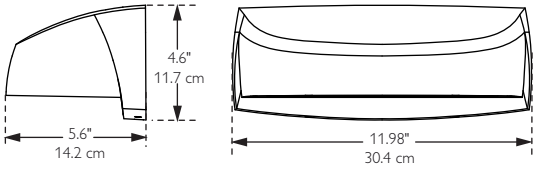


Delivered lumen packages up to 620 lms. Download the latest performance and specification sheets at www.qualitylighting.com.

Weight: 1.5 lbs 0.7 kg

Please note until the QLW7 is released, the GSM7 is still available. See GSM7 spec sheet QLSP0179 for ordering details.

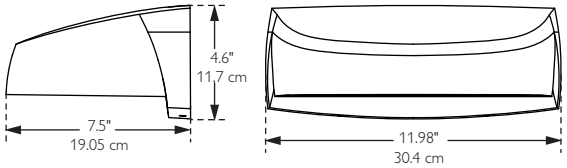
QLW16 Dimensions (product available Q4, 2011)



Delivered lumen packages up to 2,500 lms. Download the latest performance and specification sheets at www.qualitylighting.com.

Weight: 6.3 lbs 2.8 kg

QLW32 Dimensions (Product available Q1, 2012)



Delivered lumen packages up to 5000 lms. Contact factory for details.

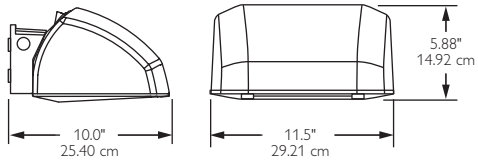
Please refer to website and specification sheets for availability and current ordering details for the QLW16 & QLW32.

GXSW series

Architectural outdoor - wall & surface mount

GeoMatrixx Small Wall mount luminaire is suitable for accent, facade, parking, roadway, security and sign applications. May be surface mounted at 0°, 22.5° or 45° angles, direct or indirect mount. Multi-faceted reflector system provides uniform distribution. 70-150 W HPS and 42-57 W Compact Fluorescent. Die-cast aluminum housing constructed to IP54 with stainless steel exposed hardware.

GXSW Dimensions



Weight: 13.5 lbs 6.1 kgs

GMSBOX
Standard mounting box for GXSW (provided with fixture)

Specifications

Construction: Precision die-cast aluminum construction. All exposed hardware is stainless steel. Injection-molded triple-finger silicone gasket.

Electrical: Integral heat sink ensures cool operation. Contractor-friendly design with integral cable permitting easy, hands-free wiring.

Optics: Hinged door frame with clear tempered glass lens. Multi-faceted reflector system provides uniform distribution. Meets IESNA cutoff criteria in 0˚ position

Mounting: The GeoMatrixx can be surface mounted in various positions. Use it as a cutoff wallpack or tip it up 22.5° for forward throw with semi-cutoff or 45˚ for floodlighting. Complete with a UL-Approved mounting box rated for 90°C supply wire with integral bubble level.

Finish: Polyester powder coating, flat bronze standard. Designer colors available: BLK=Textured Black, WHW=Textured White, SL=Slate, GA=Galvanite, TM=Dark Titanium, CL=Clay, LS=Limestone, BRW=Textured Bronze.

Warranty: Standard one-year Limited Warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Source
HFL = Compact Fluorescent
NLX = High Pressure Sodium (NPF, 120 V only)

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
8 = 120-277

Options
L = Lamp Included
FS = Single Fusing
FFS = Double Fusing

Accessories
WMAS = Wall mounting adaptor for retrofit applications
GSSHIELD = Vandal Shield
P150A = Photocell (120V)
P150M = Photocell (120-277V)

Note: 1Standard finish is bronze, leave blank to specify.

GXSW Ordering guide

Series	Wattage		Lamp source	Options	Finish	Voltage	Accessories
GXSW	NLX	HFL	NLX	L	BLANK[1]	1	WMAS
	70	42	HFL	FS	BLK	2	GSSHIELD
	100			FFS	WHW	3	P150A
	150				SL	4	P150F
					GA	8	
					TM		
					CL		
					LS		
					BRW		

For complete specifications, see current Quality Lighting spec sheet QLSP0175.

GXMW series

Architectural outdoor - wall & surface mount

GeoMatrixx Medium Wall mount luminaire is suitable for accent, facade, parking, roadway, security and sign applications. May be surface mounted at 0°, 22.5° or 45° angles, direct or indirect mount. Multi-faceted reflector system provides uniform distribution. 70-150 W HID and 42-57 W Compact Fluorescent. Die-cast aluminum housing constructed to IP54 with stainless steel exposed hardware.

Specifications

Construction: Precision die-cast aluminum construction. All exposed hardware is stainless steel. Injection-molded triple-finger silicone gasket.

Electrical: Integral heat sink ensures cool operation. Contractor-friendly design with integral cable permitting easy, hands-free wiring. Integral emergency battery ballast available for 42w HFL only. All metal halide fixtures are pulse start.

Optics: Hinged door frame with clear tempered glass lens. Multi-faceted reflector system provides uniform distribution. Meets IESNA cutoff criteria in 0˚ position.

Mounting: The GeoMatrixx can be surface mounted in various positions. Use it as a cutoff wallpack or tip it up 22.5° for forward throw with semi-cutoff or 45˚ for floodlighting. Complete with a UL-Approved mounting box rated for 90°C supply wire with integral bubble level.

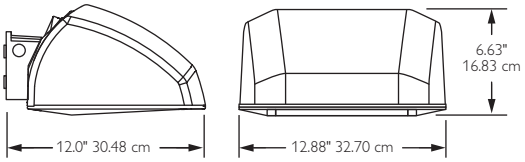
Finish: Polyester powder coating, flat bronze standard. Designer colors available: BLK=Textured Black, WHW=Textured White, SL=Slate, GA=Galvanite, TM=Dark Titanium, CL=Clay, LS=Limestone, BRW=Textured Bronze.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) Standard finish is bronze, leave blank to specify.

GXMW Dimensions



Weight: 20.4 lbs 9.3 kgs

GMSBOX
Standard mounting box for GXMW (provided with fixture)

Source
PMA = Pulse Start Metal Halide
LX = High Pressure Sodium (HX-HPF)
HFL = Compact Fluorescent

Voltage
2 = 208
3 = 240
4 = 277
5 = 480
8 = 120-277

Options
L = Lamp Included
E = Emergency Battery Backup
AMC = Quartz Restrike
FS = Single Fusing
FFS = Double Fusing

Accessories
WMAS = Wall mounting adaptor for retrofit applications
GMSHIELD = GXMW Vandal Shield
P150M = Photocell (120-277V)

GSMW Ordering guide

Series	Wattage		Lamp source	Options	Finish	Voltage	Accessories
GXMW	HPS	HFL	PMA	L	BLANK[1]	2	GMSHIELD
	70	42	LX	E	BLK	3	P150F
	100	57	HFL	AMC	WHW	4	
	150			FS	SL	5	
	PSMH			FFS	GA	8	
	70				TM		
	100				CL		
	150				LS		
					BRW		

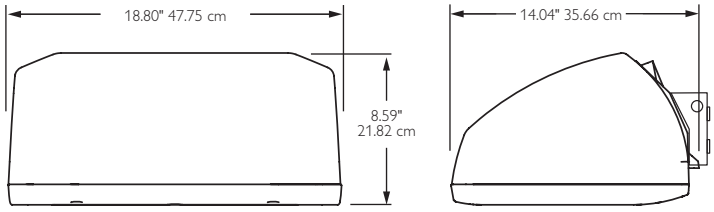
For complete specifications, see current Quality Lighting spec sheet QLSP0176.

GXLW LED series

Architectural outdoor - wall & surface mount

GeoMatrixx LED Wall mount luminaire. High-output LEDs with an average rated life of 60,000 hours. Individual precision optics for optimum performance. May be surface mounted at 0° or 22.5° angles. Suitable for ambient temperature range of -30°C to 40°C. Die-cast aluminum housing constructed to IP54 with stainless steel exposed hardware.

GXLW LED Dimensions



Weight: 35 lbs 15.8 kgs

GMLBOX
Standard mounting box for GXLW LED series (provided with fixture)

Voltage
U = 120-277

Optics
H2 = Type II
H3 = Type III

Accessories
P150F = Photocell (120-277V)

Specifications

Rated Life: 60,000 hours.

Ambient: Functions in environments with temperatures that range from -30°C to 40°C.

Construction: Precision die-cast aluminum construction. All exposed hardware is stainless steel. Integral cast aluminum heat sink. Fully tempered soda lime glass lens. Constructed to IP54.

Electrical: Electronic class II LED driver accepts 120-277v, 50/60hz input (constant current). 054 LED consumes 95 watts (08 Driver). 054 LED consumes 70 watts (06 Driver). 049 LED consumes 102 watts (08 Driver). 049 LED consumes 72 watts (06 Driver).

LED Optical system: High-output LEDs. Individual precision optics collect and redirect light to optimize performance. LED optical system individually controls the placement of light in the target area minimizing glare. LEDs have an average rated life of 60,000 hours (L70).

Mounting: The GeoMatrixx can be surface mounted in various positions. Use it as a standard wallpack or tip it up 22.5° for forward throw with semi-cutoff. Complete with a UL-Approved mounting box rated for 90°C supply wire with integral bubble level.

Finish: Polyester powder coating, flat bronze standard. Designer colors available: BLK=Textured Black, WHW=Textured White, SL=Slate, GA=Galvanite, TM=Dark Titanium, CL=Clay, LS=Limestone, BRW=Textured Bronze.

Listings: UL/cUL 1598 Listed luminaire, suitable for Wet Locations. Not suitable for use in car washes.

LED Technical data: See Quality Lighting spec sheet QLSP0178 for currect technical data.

Warranty: Standard five-year limited LED warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) 054 LED board only.
2) 049 LED Board only.
3) Reduced wattage

GXLW LED Ordering guide

GXLW		U					
Series	Driver	Voltage	Finish	# of LEDs	LED Color temp.	Optics	Accessories
GXLW	08	U	TSA	054	6K[1]	H2	P150F
	06[3]		TDB	049	4K[2]	H3	
			TBK				
			TWHT				
			TGR				
			TGN				
			RAL(*)				

For complete specifications, see current Quality Lighting spec sheet QLSP0178.

GXLW series

Architectural outdoor - wall & surface mount

GeoMatrixx Large Wall mount luminaire. Suitable for accent, facade, parking, roadway, security and sign applications. May be surface mounted at 0°, 22.5° or 45° angles, direct or indirect mount. Multi-faceted reflector system provides uniform distribution. 250-400 W HID sources. Die-cast aluminum housing constructed to IP54.

Specifications

Construction: Precision die-cast aluminum construction. All exposed hardware is stainless steel. Injection-molded triple-finger silicone gasket. Constructed to IP54.

Electrical: Integral heat sink ensures cool operation. Contractor-friendly design with integral cable permitting easy, hands-free wiring. All metal halide fixtures are pulse start.

Optics: Hinged door frame with clear tempered glass lens. Multi-faceted reflector system provides uniform distribution. Meets IESNA cutoff criteria in 0˚ position.

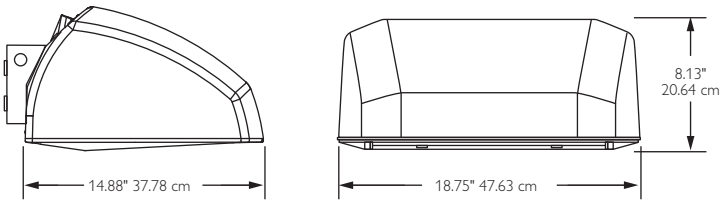
Mounting: The GeoMatrixx can be surface mounted in various positions. Use it as a cutoff wallpack or tip it up 22.5° for forward throw with semi-cutoff. Complete with a UL-Approved mounting box rated for 90°C supply wire with integral bubble level.

Finish: Polyester powder coating, flat bronze standard. Designer colors available: BLK=Textured Black, WHW=Textured White, SL=Slate, GA=Galvanite, TM=Dark Titanium, CL=Clay, LS=Limestone, BRW=Textured Bronze.

Warranty: Standard one-year Limited Warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

GXLW Dimensions



Weight: 35 lbs 15.9 kgs

GMLBOX
Standard mounting box for GXLW (provided with fixture)

Source
PMA = Pulse Start Metal Halide
LX = High Pressure Sodium (CWA)

Options
L = Lamp Included
AMC = Quartz Restrike
FS = Single Fusing
FFS = Double Fusing

Voltage
2 = 208
3 = 240
4 = 277
5 = 480
8 = 120-277

Accessories
GLSHIELD = GXLW Vandal Shield
P150F = Photocell (120-277V)

Note: [1]Standard finish is bronze, leave blank to specify.

GXLW Ordering guide

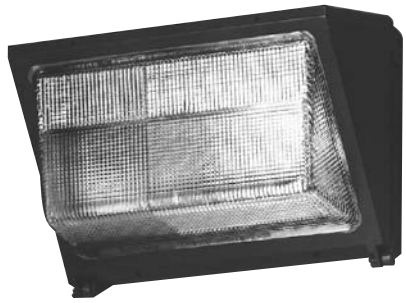
GXLW						
Series	Wattage	Source	Options	Finish	Voltage	Accessories
GXLW	PMA LX	PMA	L	BLANK[1]	2	GLSHIELD
	200 250	LX	AMC	BLK	3	P150F
	250 400		FS	WHW	4	
	320		FFS	SL	5	
	350			GA	8	
	400			TM		
				CL		
				LS		
				BRW		

For complete specifications, see current Quality Lighting spec sheet QLSP0177.

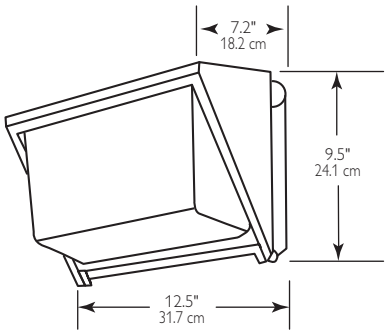
300 Wallcube series

Architectural outdoor - wall & surface mount

300 Wallcube series is constructed of die-cast aluminum housing and back plate and a heat and shock resistant glass refractor. Available from 70 to 175 W pulse start metal halide, 70 to 150 W high pressure sodium, and 300 W incandescent.



300 Dimensions



Weight: 17 lbs 7.7 kg

Lamp base
1 = Medium
70-150 W MA
70-150 W NLX
300 W IN
2 = Mogul
70-150 W LX
3 = Mogul
175 W PMA
4 = Prefocus
18 W SX

Source
MA = Metal Halide
PMA = Pulse Start Metal Halide
NLX[3] = High Pressure Sodium (medium base)
LX[4] = High Pressure Sodium (mogul base)
SX[5] = Low Pressure Sodium
IN = Incandescent

Options (300)
L = Lamp Included & Installed
FS = Single Fusing 120, 277 V
FFS = Double Fusing 208, 240, 480 V
EM = Switch On Auxiliary Lamp
TP = Tamper Proof Screws
AMC = Quartz Restrike

Voltage
2 = 208
3 = 240
4 = 277

Accessories (field installed)
P110A = Aimable Pencil Type Photocontrol 120 V
P150A = Light Leveler Photocontrol 120 V
P150M = Light Leveler Photocontrol 208, 240, 277 V
P150E = Light Leveler Photocontrol 480 V
P150F = Light Leveler Photocontrol (Multi Tap)
335 = Vandal Resistant Shield
330 = Wire Guard

Specifications

Construction: Precision die-cast aluminum housing and back plate.

Optics: Heat and shock resistant, borosilicate glass refractor. One-piece "wrap-around" shape for maximum light utilization. Anodized aluminum reflector.

Electrical: Porcelain spring-loaded 4 kV pulse rated socket-mogul/medium base. Mogul or medium base lamp supplied as noted. Starting temperature: LX(HPS)-40˚F/-40˚C, PMA(PS)-20˚F/-30˚C. All metal halide fixtures are pulse start.

Mounting: One tapped hole on each side and top (1/2" NPS standard) for conduit or optional photocontrol.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) Voltage is 6(120/277)HX/HPF ballast.
2) Voltage is 8(120-277)CWA/HPF ballast. Mogul base only.
3) Normal Power Factor. Voltage is 1(120).
4) Voltage is 8(120-277)HX/HPF ballast.
5) Specify voltage - High Power Factor ballast.
6) Consult factory for availability.

300 Ordering guide

Prefix	Lamp base	Distribution	Wattage		Source	Lamp	Options	Finish	Voltage	Accessories
3	1	3	MA	NLX/LX	MA	L	FS	TSA	2	P110A
	2		70[1]	70	PMA		FFS	TDB	3	P150A
	3		100[1]	100	NLX[3]		EM	TBK	4	P150M
			150[4,6]	150	LX[4]		TP	TWHT		P150E
			PMA	IN	SX[5]		AMC	TGR		P150F
			175[2]	300	IN			TGN		335
								RAL(*)		330

For complete specifications, see current Quality Lighting spec sheet QLSP0163.

500 Wallcube series

Architectural outdoor - wall & surface mount

500 Wallcube series is constructed of precision die-cast aluminum housing with a heat and shock resistant glass refractor. It is available with a shallow and a deep housing base. Available in 250 to 400 W pulse start metal halide, and 250 and 400 W high pressure sodium. QL Induction is also available in 55 and 85 W.

Specifications

Construction: Precision die-cast aluminum housing and back plate.

Optics: Heat and shock resistant, borosilicate glass refractor. One-piece "wrap-around" shape for maximum light utilization. Anodized aluminum reflector.

Electrical: Porcelain spring-loaded 4 kV pulse rated socket-mogul/medium base. Mogul or medium base lamp supplied as noted. Starting temperature: LX(HPS)-40˚F/-40˚C, PMA(PS)-20˚F/-30˚C.

Electrical (QL Induction): Lamp included (factory installed). Rated for 25˚C ambient maximum. QL Induction System rated for 100,000 hours.

Mounting: One tapped hole on each side and top (1/2" NPS standard) for conduit or optional photocontrol.

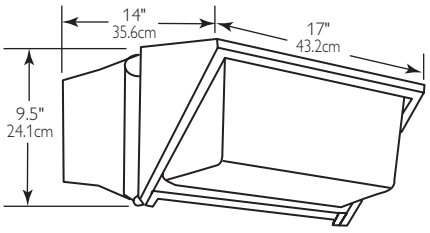
Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) QL Induction Options Only
2) Not available with QL Induction
3) Not available in units under 100 W
4) Not available with Vandal Resistant Shield (535)
5) Not available in 480 V

500 Dimensions



Weight: 28 lbs 12.7 kg

Lamp base
5 = Deep
250/350/400 W PMA
250/400 W LX
55/85 W QL

Source
PMA = Pulse Start Metal Halide
LX = High Pressure Sodium
QL = QL Induction

Options / lamp
L = Lamp Included
FS = Single Fusing 120, 277 V
FFS = Double Fusing 208, 240, 480 V
EM[2,3] = Switch On Aux. Lamp
TP = Tamper Proof Screws
AMC[2] = Time Delay Quartz Restrike

Voltage
1[1] = 120
4[1] = 277
5 = 480
8 = 120-277

Accessories (500)
P110A = Aimable Pencil Type Photocontrol 120 V
P150A = Light Leveler Photocontrol 120 V
P150M = Light Leveler Photocontrol 208, 240, 277 V
P150E = Light Leveler Photocontrol - 480 V
P150F = Light Leveler Photocontrol (Multi Tap)
535 = Vandal Resistant Shield
530[4] = Wire Guard

Note: [1]Standard finish is bronze, leave blank to specify.

500 Ordering guide

Prefix	Lamp base	Distribution	Wattage		Lamp color[1]	Source	Lamp	Options	Finish	Voltage	Accessories
5	5	3	PMA	LX	830[1]	PMA	L	FS	TSA	1[1]	P110A
			175	250	840[1]	LX		FFS	TBD	2	P150A
			250	400	850[1]	QL		EM[2, 3]	TBK	3	P150M
			320	QL				TP	TWHT	4[1]	P150E
			350	55[5]				AMC[2]	TGR	5	P150F
			400	85[5]				L	TGN	6	535
									RAL(*)	8	530[4]

For complete specifications, see current Quality Lighting spec sheet QLSP0164.

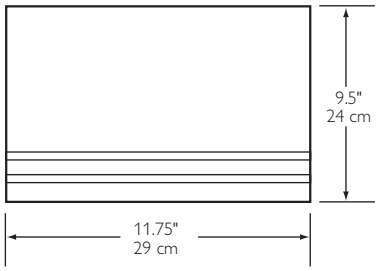
600 Wallcube series

Architectural outdoor - wall & surface mount

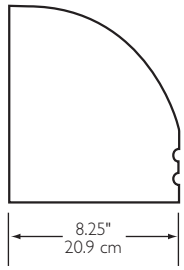
600 Wallcube series is constructed of heavy grade die-cast aluminum for superior corrosion resistance, and a non-yellowing tempered glass lens. Optics are full cut-off. 600 Wallcube Series mounts directly to wall or other vertical surface. Available in 70 to 150 W pulse start metal halide and high pressure sodium, and 42 W compact fluorescent.

600 Dimensions

Front view



Side view



Weight: 14 lbs 6.4 kg

Lamp base
1 = Medium

Source
PMA = Pulse Start Metal Halide
HF = Compact Fluorescent
NLX/LX = High Pressure Sodium

Lamp
L = Lamp Included & Installed
FS = Single Fusing
FFS = Double Fusing

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
5 = 480
6 = 120/277
8 = 120-277

Specifications

Construction: Die-cast heavy-gauge aluminum housing for superior corrosion resistance. Non-yellowing tempered glass flat lens with a weather-tight silicone gasket.

Optics: Lamp types include Metal Halide, Pulse Start Metal Halide, High Pressure Sodium and Compact Fluorescent. HID lamp types are medium base. Full cut-off optics. Die-formed specular reflector.

Electrical: Tray-mounted ballast with integral heat sink for maximum heat dissipation. Deluxe glazed porcelain socket pulse rated for 4 kV. 57 to 175 watt capacity.

Mounting: Direct mounts to wall or other vertical surfaces.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Accessories (600)
P110A = Aimable Pencil Type Photocontrol 120 V
P150A = Light Leveler Photocontrol 120 V
P150M = Light Leveler Photocontrol 208, 240, 277 V
P150E = Light Leveler Photocontrol 480 V
P150F = Light Leveler Photocontrol (Multi Tap)

600 Ordering guide

Prefix	Lamp base	Distribution	Wattage		Source	Lamp	Options	Finish	Voltage	Accessories
6	1	3	PMA	NLX/LX	PMA	L	FS	TSA	1	P110A
			70	70	NLX		FFS	TDB	2	P150A
			100	100	LX			TBK	3	P150M
			150	150	HF			TWHT	4	P150E
			HF					TGR	5	P150F
			42					TGN	6	
								RAL(*)	8	

For complete specifications, see current Quality Lighting spec sheet QLSP0165.

STX1LED-3

STX1LED-5

STX1 LED series

Accent & pathway

STX1 LED series features three different face plates: horizontal and vertical louver assemblies with 45° cutoff with clear, tempered glass, and an opal, UV-stabalized polycarbonate lens frame in front of tempered glass. The STX1 LED step light series is available with three LEDs (STX1LED-3) and five LEDs (STX1LED-5). ADA Compliant.

Specifications

Housing: Recessed, water-tight, die-cast, copper-free aluminum for corrosion resistance in concrete applications. Includes two 0.5" NPT conduit entries and ample wiring compartment for through-wiring.

Trim ring: Die-cast, copper-free aluminum for superior corrosion resistance. Silicone gasket ensures positive, watertight seal.

Face Plate: Horizontal and vertical louver assemblies die-cast aluminum with 35° full cutoff. Lens frame for frosted lens is color-impregnated polycarbonate with finish to match fixture.

Lens: Louvered fixtures have clear, tempered glass. Frosted lens is opal UV-stabilized polycarbonate in front of tempered glass.

LEDs: Luxeon white brightness (HB) LEDs. Deliver 70% lumen maintenance at 50,000 hours. Cool white (5500K nominal).

Fasteners: Tamper-resistant stainless steel.

Electrical: 10.4 total watts. Input voltage range of 108-132 VAC.

Powered by Advance: Integral Advance 120 V 60 Hz electronic LED driver with integral surge protector. ULClass 2. -40° C/F minimum starting temperature. Pre-wired with #18 AWG wire. Electrical components are mounted to a removable tray for easy installation after housing is installed.

ADA: This fixture is in compliance with the Americans with Disabilities Act.

IP66: Dust-tight and sealed against direct jets of water.

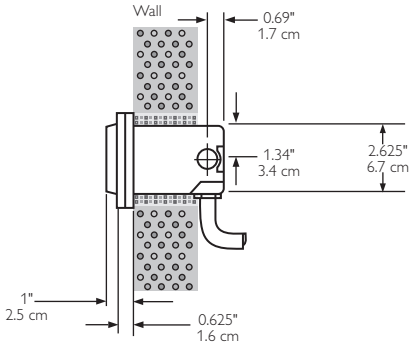
Finish: STX Series is available with the following finish options: DB = dark bronze, BLK = Black, and WHT = white.

Warranty: Standard five-year limited LED warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) Only available with Black or Dark Bronze Finish options.
2) Less Housing is required for pre-ship of Housing Only (STX1HO to be ordered separately).
3) Must be ordered separately and field installed.

STX1LED-3 / STX1LED-5 Dimensions



See STX1 Dimensions for additional views.

Distribution

HL = Horizontal Louver
HF[1] = Horizontal Frosted
VL = Vertical Louver

Options

LH[2] = Less Housing

Mounting accessories

BMAKM[4] = Masonry Wall Mounting Kit
BMAKNS[4] = New Stud Wall Mounting Kit
BMAKES[4] = Existing Stud Wall Mounting Kit

Housing only accessories

STX1LHO[4] = Fixture Housing for Pre-Ship

STX1LED-3 Technical data

CCT, nom.	Input voltage range	Input draw, max.	Power consumption	Luminaire efficacy*	Total lumens*	Starting temp.,min
5500 K	108-132 VAC	0.14 A	10.4 W	11.1 LPW	115	-40° C/F
3000 K	108-132 VAC	0.14 A	10.4 W	7.5 LPW	78	-40° C/F

STX1LED-5 Technical data

CCT, nom.	Input voltage range	Input draw, max.	Power consumption	Luminaire efficacy*	Total lumens*	Starting temp.,min
5500 K	108-132 VAC	0.14 A	13.5 W	14.2 LPW	191	-40° C/F

* Efficacy and Total Lumens include losses due to driver, collimating optics and/or lens/diffuser.

STX1LED-3 / STXLED-5 Ordering guide

Series/source-# of LEDs	Distribution	Voltage	Options	Finish	Accessories
LED	HL	120	LH[2]	DB	BMAKM[3]
STX1LED-3	HF[1]			BLK	BMAKNS[3]
STX1LED-5	VL			WHT	BMAKES[3]
					STX1LHO[3]

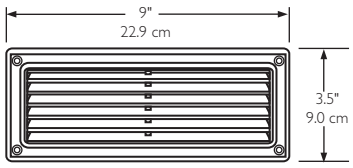
For complete specifications, see current Quality Lighting spec sheets WLSP0150 and QLSP0154.

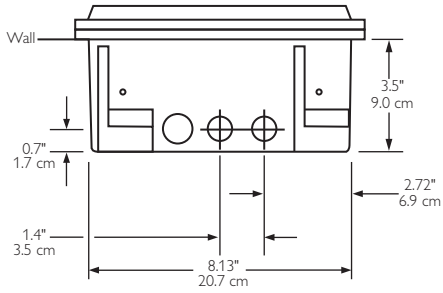
STX1 series

Accent & pathway

STX1 series features three different face plates: horizontal and vertical louver assemblies with 45° cutoff, and a frosted lens frame. The STX1 step light series is constructed of aluminum alloy. STX1 is available in compact fluorescent, incandescent and low voltage sources. ADA Compliant.

STX1 Dimensions





Distribution

HL = Horizontal Louver

HF[1] = Horizontal Frosted

VL = Vertical Louver

Options

LH[3] = Less Housing

P[2] = Thermal Protector

Required for drywall, plaster, wood and other non-masonry installations with exception of fluorescent lamps. Unit is mounted from inside housing and is field replaceable without removing housing.

Mounting accessories

BMAKM = Masonry Wall Mounting Kit

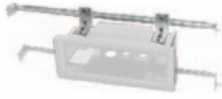
BMAKNS = New Stud Wall Mounting Kit

BMAKES = Existing Stud Wall Mounting Kit

Housing only accessories

STX1HO = Fixture Housing for Pre-Ship

BMAKM



BMAKNS

BMAKES

Note: Brackets and hardware only. Housing included with fixture or STX1HO option only. Must be ordered separately and Field Installed

STX1 Ordering guide

Series-size/source-wattage				Distribution	Voltage	Options	Finish	Accessories
CF		Incandescent		HL	120	LH[3]	DB	BMAKM
STX1CF-9	PLS9	STX1INC-40	T10	HF[1]	277	P[2]	BLK	BMAKNS
STX1CF-13	PLC13	LV		VL			WHT	BMAKES
STX1CF-18	PLC18	STX1LV-18	1141		120/12			
					(LV only)			STX1HO

For complete specifications, see current Quality Lighting spec sheet WLSP0130.

Specifications

Housing: Recessed, water-tight, die-cast, copper-free aluminum for corrosion resistance in concrete applications. Includes four 0.5" NPT conduit entries and ample wiring compartment for through-wiring.

Trim ring: Die-cast, copper-free aluminum. Silicone gasket ensures positive, watertight seal.

Face plate: Horizontal and vertical louver assemblies die-cast aluminum with 45° cutoff. Lens frame for frosted lens is color-impregnated polycarbonate with finish to match fixture.

Lens: Louvered fixtures have clear, tempered glass. Frosted lens is opal UV-stabilized polycarbonate in front of tempered glass.

Fasteners: Tamper-resistant stainless steel.

Electrical: Sockets are pre-wired with high-temperature #18 AWG wire. Electrical components are mounted to a removable tray with quick disconnect for easy installation after housing is installed.

Ballast: All compact fluorescent ballasts are normal power factor, Class B core and coil, 120 VAC, rated for 0° F starting temperature.

Step-down transformer: 120:12 core and coil isolated primary to secondary. 95% efficiency rating, sound rating "A."

Sockets: All incandescent sockets are medium base. 9 watt compact fluorescent socket is G23. 13 watt fluorescent socket is GX23-2. 18 watt fluorescent socket is G24Q-2. All low voltage sockets are single contact bayonet base.

Thermal protector: Required for non-masonry incandescent and low voltage installations, must be ordered as an option. Unit is mounted from inside the housing and is field replaceable without removing fixture from housing. Not required or offered for masonry installations.

Finish: Available with the following finish options: DB = dark bronze, BLK = Black, and WHT = white.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes

1) Only available with Black or Dark Bronze Finish options.
2) Thermal Protection is required for interior or insulated walls Not required for fluorescent.
3) Less Housing is required for pre-ship of Housing Only (STX1HO to be ordered separately).

STX3 series

Accent & pathway

STX3 Series features two different lens frames. Horizontal cast louvers and frosted lens provide low-light levels to shield the light source. The bubble lens projects out of the surface allowing for further spacing of fixtures. The housing is constructed of recessed, water-tight, die-cast aluminum alloy. STX3 Series is available in pulse start metal halide, high pressure sodium, compact fluorescent, incandescent and low voltage sources.

Specifications

Housing: Recessed, water-tight, die-cast aluminum (copper-free) for corrosion resistance in concrete applications. Fasteners are captive, black oxide stainless steel, tamper resistant.

Gasket: Single piece molded silicone.

Socket: HID and incandescent models, porcelain 4 kV pulse rated medium base socket. GY6.35 bi-pin for T4. Compact fluorescent models, high temperature plastic; 26 watt is GX24q-3, 32 watt is GX24q-3, 42 watt is GX24q-4.

Reflector: Symmetric: Precision formed, highly polished specular aluminum. The frosted lens and cast louver offer lower light levels with cutoff. Asymmetric Reflector: Precision formed, semi-specular and light diffuse aluminum, which is field-adjustable for an asymmetric right or left distribution for lighting stairways. Compact Fluorescent lamping not available in asymmetric.

Lens frame: Cast Louver: Die-cast aluminum (copper-free), offering 45° shielding; lens is flat frosted glass and attached to back of louver with stainless steel clips. Lens is completely sealed to prevent water, dust and insect infiltration. Bubble Lens: UV-stabilized injection molded clear polycarbonate; lamp projects out of the wall, enabling efficient bare lumens to be directed down at ground level and a wide distribution for further spacing of fixtures.

Ballast: HID ballasts are HPF. Fluorescent ballasts for 26/32/42 watt PL-T are electronic, universal voltage 120-277, 50 or 60 Hz. Ballasts are factory wired and tested.

Wiring compartment: Internal wiring compartment contains two 0.5" NPT conduit taps in the bottom and one 0.5" NPT conduit tap on each side. A removable plug will be provided for 3 of the 4 tapped holes.

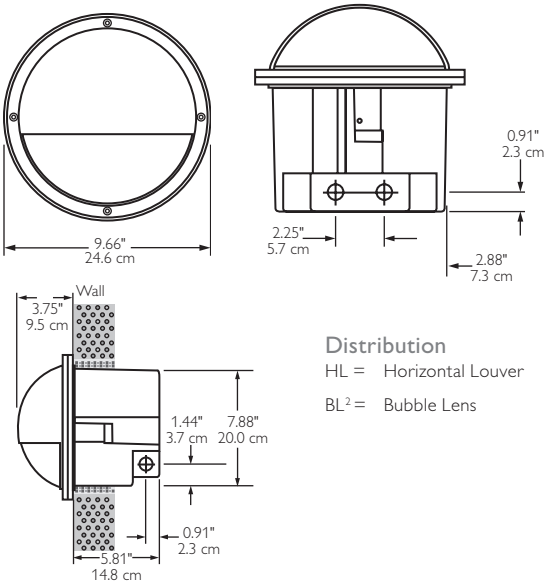
Finish: Available in Black (BLK) and Dark Bronze (DB).

ADA: This fixture is in compliance with the Americans with Disabilities Act.

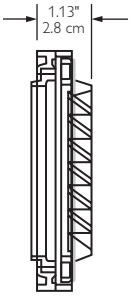
Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

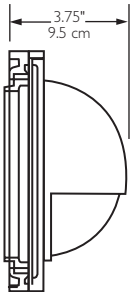
STX3 Dimensions



Horizontal louvers



Bubble lens



Distribution

HL = Horizontal Louver

BL[2] = Bubble Lens

Options

LH[3] = Less Housing

P[4] = Thermal Protector

Required for drywall, plaster, wood, interior or insulated walls and other non-masonry installations. Not required for fluorescent lamps. Unit is mounted from inside housing and is field replaceable without removing housing.

Mounting accessories

BMAKM = Masonry Wall Mounting Kit

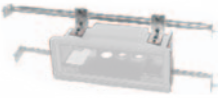
BMAKNS = New Stud Wall Mounting Kit

BMAKES = Existing Stud Wall Mounting Kit

Housing only accessories

STX3HO = Fixture Housing for Pre-Ship

BMAKM



BMAKNS

BMAKES

Note: Brackets and hardware only. Housing included with fixture or STX3HO option only. Must be ordered separately and Field Installed.

STX3 Ordering guide

Series-size/source-wattage				Distribution	Voltage	Options	Finish	Accessories
PSMH		CF		**HL**	**120**[1]	**LH**[3]	**DB**	**BMAKM**
STX3P-50[1]	E17	STX3CF-26	PL-T	**BL**[2]	**208**	**P**[4]	**BLK**	**BMAKNS**
STX3P-70[1,2]	E17	STX3CF-32	PL-T		**240**			**BMAKES**
HPS		STX3CF-42	PL-T		**277**[1]			
STX3S-35[1]	E17	Incandescent			**120/12** (LV only)			**STX3HO**
STX3S-50[1]	E17	STX3INC-40	T10					
STX3-70[1,2]	E17	LV						
		STX3LV-50	T4					

Notes

1. 120 or 277 V Only for PSMH and HPS options.
2. P-70 W and S-70 W with Bubble Lens (BL) and for masonry installations only.
3. Less Housing is required for pre-ship of Housing Only (STX3HO).
4. Thermal Protection is required for interior or insulated walls. Not required for fluorescent.

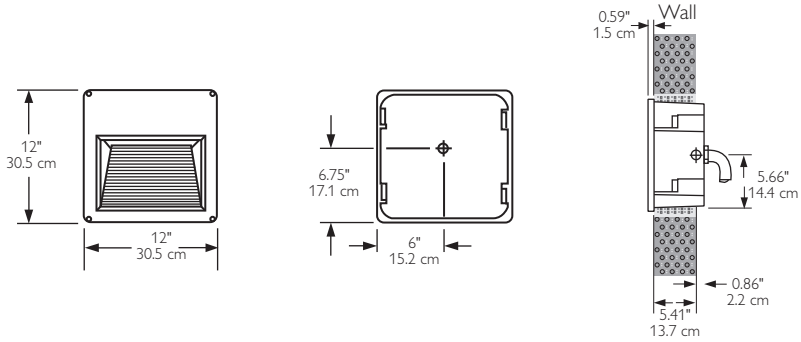
For complete specifications, see current Quality Lighting spec sheet QLSP0151.

STX4 series

Accent & pathway

STX4 Series features semi-recessed, water tight, die-cast aluminum housing and a frosted tempered glass lens. Less Housing and Housing Only options are available for new construction. STX4 is available with pulse start metal halide, high pressure sodium, compact fluorescent and ceramic metal halide sources.

STX4 Dimensions



Distribution

RS = Recessed Scoop

Options

LH[1] = Less Housing

P[2] = Thermal Protector

Required for drywall, plaster, wood, interior or insulated walls and other non-masonry installations. Not required for fluorescent lamps. Unit is mounted from inside housing and is field replaceable without removing housing.

Mounting accessories

BMAKM = Masonry Wall Mounting Kit

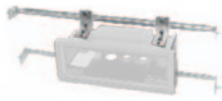
BMAKNS = New Stud Wall Mounting Kit

BMAKES = Existing Stud Wall Mounting Kit

Housing only accessories

STX4HO = Fixture Housing for Pre-Ship

BMAKM



BMAKNS

BMAKES

Note: Brackets and hardware only. Housing included with fixture or STX4HO option only. Must be ordered separately and Field Installed.

Specifications

Housing: Semi-recessed, water-tight, die-cast, copper-free aluminum with glass lens. Hinges allow for easy re-lamping.

Fasteners: Captive, black oxide stainless steel, tamper resistant.

Gasket: Single piece molded silicone.

Socket: HID models, porcelain socket is medium base, 4 kV pulse rated. Compact fluorescent model, 32 watt socket is GX24q-3, 42 watt socket is GX24q-4. T6 lamp is bi-pin base.

Reflector: Specular aluminum segmented reflector assembly.

Lens frame: Frosted tempered glass lens with silicone gasketing.

Mounting assembly: Hardware and template for concrete pour is supplied. Mounting kits for masonry (BMAKM) and new (BMAKNS) or existing stud walls (BMAKES) may be ordered as accessories.

Electrical assembly: Electrical components are mounted on a removable galvanized steel ballast tray, factory wired with quick disconnects for easy replacement. Ballasts have power factors greater than 90%. Metal halide ballasts are capable of starting at -20° F or -30° C, HPS ballasts at -40° F or -40° C. All components are UL and CSA Listed or cUL recognized and 100% factory tested.

Ballast: Ballast is factory wired and tested. HPF, 120/208/240/277 volts.

Wiring compartment: One 0.5" NPT conduit tap on the back, two 0.75" NPT taps on the bottom and one 0.75" NPT tap on each side for easy through-wiring.

Finish: Available in Black (BLK), White (WHT), Dark Bronze (DB) or Custom Color (RAL).

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes

1) Less Housing is required for pre-ship of Housing Only (STX4HO).
2) Thermal Protection is required for interior or insulated walls. Not required for fluorescent.

STX4 Ordering guide

Series-size/source-wattage				Distribution	Voltage	Options	Finish	Accessories
PSMH		CF		RS	120	LH[1]	DB	BMAKM
STX4P-50	E17	STX4CF-32	PLT-32		208	P[2]	BLK	BMAKNS
STX4P-70	E17	STX4CF-42	PLT-42		240		WHT	BMAKES
STX4P-100	E17				277		RAL(*)	
HPS		Ceramic Metal Halide			347			STX4HO
STX4S-35	E17	STX4C-39	T6					
STX4S-50	E17	STX4C-70	T6					
STX4S-70	E17							
STX4S-100	E17							

For complete specifications, see current Quality Lighting spec sheet QLSP0152.

STX5 series

Accent & pathway

STX5 Series features semi-recessed, water tight, die-cast aluminum housing and a UV-stabilized polycarbonate lens. Less Housing and Housing only options are available for new construction. STX5 is available with pulse start metal halide, high pressure sodium, and ceramic metal halide sources.

Specifications

Housing: Semi-recessed, water-tight, die-cast, copper-free aluminum with polycarbonate lens.
Hinges allow for easy re-lamping. Fasteners are captive, black oxide stainless steel, tamper resistant.

Gasket: Single piece molded silicone.

Socket: HID models, porcelain socket is medium base, 4 kV pulse rated or bi-pin for T6.

Reflector: Removable, field-adjustable symmetric/asymmetric specular aluminum reflector assembly.

Lens frame: Injection molded, UV stabilized polycarbonate lens with silicone gasketing.

Mounting assembly: Hardware and template for concrete pour is supplied. Mounting kits for masonry (BMAKM) and new (BMAKNS) or existing stud walls (BMAKES) may be ordered as accessories.

Electrical assembly: Electrical components are mounted on a removable galvanized steel ballast tray, factory wired with quick disconnects for easy replacement. Ballasts have power factors greater than 90%. Metal halide ballasts are capable of starting at -20° F or -30° C, HPS ballasts at -40° F or -40° C. All components are UL and CSA Listed or cUL recognized and 100% factory tested.

Ballast: Ballast is factory wired and tested. HPF, 120/208/240/277 volts.

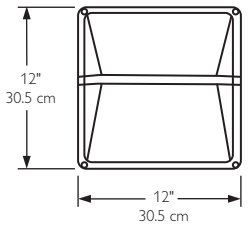
Wiring compartment: One 0.5" NPT conduit tap on the back, two 0.75" NPT taps on the bottom and one 0.75" NPT tap on each side for easy through-wiring.

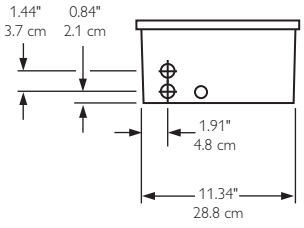
Finish: Smooth, thermoset polyester powder-coat, laboratory tested for superior weatherability and fade resistance in accordance with ASTM B-117-64 and ANSI/ASTM G53-77 specifications. Available in Black (BLK), White (WHT), Dark Bronze (DB) or Custom Color (RAL(*).

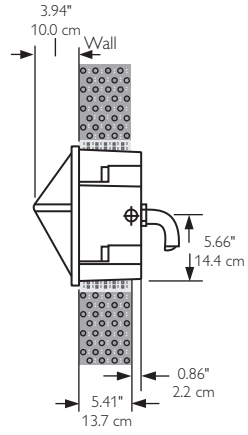
Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

STX5 Dimensions







Distribution

CV = Convex Scoop

Options

LH[1] = Less Housing

P[2] = Thermal Protector

Required for drywall, plaster, wood, interior or insulated walls and other non-masonry installations. Not required for fluorescent lamps. Unit is mounted from inside housing and is field replaceable without removing housing.

Mounting accessories

BMAKM = Masonry Wall Mounting Kit

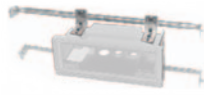
BMAKNS = New Stud Wall Mounting Kit

BMAKES = Existing Stud Wall Mounting Kit

Housing only accessories

STX5HO = Fixture Housing for Pre-Ship

BMAKM



BMAKNS

BMAKES

Note: Brackets and hardware only. Housing included with fixture or STX5HO option only. Must be ordered separately and Field Installed.

STX5 Ordering guide

Series-size/source-wattage				Distribution	Voltage	Options	Finish	Accessories
PSMH		HPS		CV	120	LH[1]	DB	BMAKM
STX5P-50	E17	STX5S-35	E17		208	P[2]	BLK	BMAKNS
STX5P-70	E17	STX5S-50	E17		240		WHT	BMAKES
STX5P-100	E17	STX5S-70	E17		277		RAL(*)	
		STX5S-100	E17		347			STX5HO
		Ceramic metal halide						
		STX5C-39	T6					
		STX5C-70	T6					

Notes

1. Less housing is required for pre-ship of housing only (STX5HO).
2. Thermal protection is required for interior or insulated walls. Not required for fluorescent.

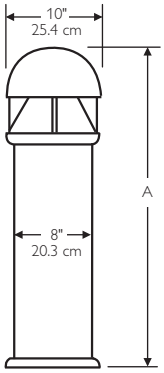
For complete specifications, see current Quality Lighting spec sheet QLSP0153.

WFB series

Accent & pathway

The WFB Series bollard is constructed of aluminum alloy castings. All external hardware is stainless steel with a tamperproof design. WFB is available in pulse start metal halide and high pressure sodium up to 100 W.

WFB Dimensions



Dimensions (A)

A	33.5" 85.1 cm
A	36.0" 91.4 cm
A	42.0" 106.7 cm

Weight: 45.5 lbs 20.6 kg

Distribution
5V = Type V

Height
34 = 34"
36 = 36"
42 = 42"

Options
F1 = Single Fusing 120, 277 V
F2 = Double Fusing 208, 240 V
F3 = Double Fusing 347 V

Accessories
TPT-WFB[1] = Tamperproof Tool

Specifications

Housing: Each WFB bollard is constructed of 356 aluminum alloy castings. The head cap is mounted to the window housing. This cap is removable for servicing the lamp. The body tube section is manufactured from 0.125" thick aluminum wall tubing. All external threaded hardware shall be stainless steel and shall be of tamper proof design requiring a special tool for disassembly that must be ordered separately as an accessory (TPT-WFB).

Lens: The flat polycarbonate lens is sealed to the window housing. Lens is fully gasketed with weatherproof, durable silicone foam gasketing material.

Mounting: Mounting shall use a cast aluminum base which is secured by three (3) 0.5" x 12" embedded anchor bolts. The bollard uses (3) 0.375" internal rods which extend from the top ring down to the base casting. This system ensures a secure vandal resistant mounting.

Ballast: All ballasts are CWA or HX-HPF type with power factor of 90%. Ballasts are rated for -20°F or -40°F operation. All ballasts are readily accessible, removable and insulated.

Finish: Standard textured finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK - textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

Notes
1) Tamper proof screws are standard with the WFB and require the use of a tamperproof tool (TPT-WFB). Must be ordered separately.

WFB Ordering guide

Series / size / source - wattage				Distribution	Voltage	Height	Options	Finish	Accessories
PSMH		HPS		5V	120	34	F1	TSA	TPT-WFB[1]
WFB8P-35	ED-17	WFB8S-35	ED-17		208	36	F2	TDB	
WFB8P-50	ED-17	WFB8S-50	ED-17		240	42	F3	TBK	
WFB8P-70	ED-17	WFB8S-70	ED-17		277			TWHT	
WFB8P-100	ED-17	WFB8S-100	ED-17		347			TGR	
								TGN	
								RAL(*)	

For complete specifications, see current Quality Lighting spec sheet QLSP0131.

PBRXD series

Accent & pathway

PBRXD series dome topped bollards are constructed of spun aluminum. There are two different housing sizes available: 6" diameter (PBRXD6) and 8" diameter (PBRXD8). PBRXD6 is available in heights of 24", 30", and 38". PBRXD8 is available in 24", 30", 36" and 42". Both housing sizes offer pulse start metal halide up to 100 W, and compact fluorescent up to 42 W.

Specifications

Head assembly: Spun aluminum. Access for re-lamping is by one stainless steel fastener.

Fixture column: Extruded aluminum, 6" (PBRXD6) and 8" (PBRXD8) diameter with 0.125" wall thickness.

Fixture base: Heavy-duty cast aluminum with three hole bolt pattern using 3/8"-16 UNC x 8" galvanized steel anchor bolts and twist-lock feature for easy fixture mounting. Column is secured to base with stainless steel locking screw.

Optic assembly: PBRXD6: Borosilicate Type V glass refractor or conical specular aluminum reflector. PBRXD8: Borosilicate Type V glass refractor, or Type 3 glass refractor, conical specular aluminum reflector, white powder-coated louvers or specular louvers.

Lens: Single-piece clear acrylic with high temperature silicone gaskets for positive sealing of optical chamber.

Sockets: Sockets for HID are all 4 kV pulse rated high temperature porcelain. Sockets for compact fluorescent are high temperature plastic: 26 watt is GX24Q-3, 28 watt is GX32D-3, 32 watt is GX24Q-3, 42 watt is GX24Q-4.

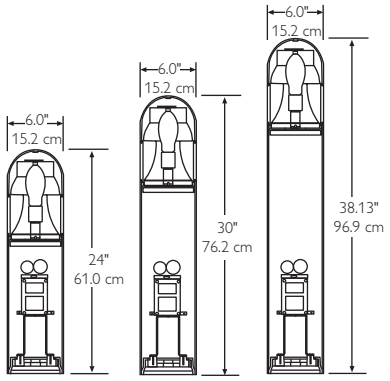
Ballast: Ballasts for HID are high power factor core and coil, multi-tap. Ballast for 28 W compact fluorescent is core and coil, 120 VAC. Ballasts for 26/32/42 W compact fluorescent are electronic, universal voltage 120-277 V, 50 or 60 Hz.

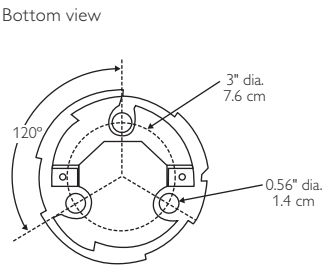
Finish: Standard smooth finish options available: Black (BLK), White (WHT), Dark Bronze (DB), and Green (GN).

Warranty: Standard one-year limited warranty.

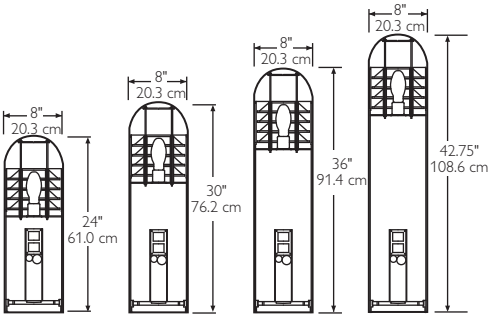
Listings: UL/cUL 1598 listed, suitable for wet locations.

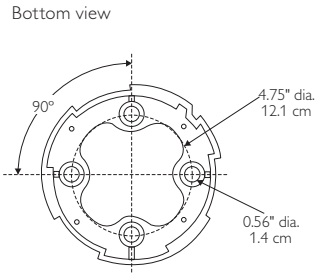
PBRXD6 Dimensions





PBRXD8 Dimensions





Note: Louver Optics Shown.

Distribution (PBRXD6)
5G = Type V Glass Refractor
V[3] = Type V Variform Reflector

Distribution (PBRXD8)
V[3] = Type V Variform Reflector
3G = Type III Glass Refractor
5G = Type V Glass Refractor
LW = Symmetrical White Louvers
LS = Symmetrical Specular Louvers

Height (PBRXD6)
24 = 24"
30 = 30"
38 = 38" Standard

Height (PBRXD8)
24 = 24"
30 = 30"
36 = 36"
42 = 42" Standard

Options
HSS[4] = House Side Shield

Note: Fixture does not include lamp.

PBRXD6 / PBRXD8 Ordering guide

Series / size / source - wattage				Distribution		Voltage	Height		Options	Finish
PSMH		CF		D6	D8	120	D6	D8	HSS4	BLK
PBRXD(X)P-50[1]	E17	PBRXD(X)CF-26[3]	PLT GX24Q-3	5G	V[3]	208	24	24		WHT
PBRXD(X)P-70	E17	PBRXD(X)CF-28[3]	PLC28 GX32D-3	V[3]	3G	240	30	30		DB
PBRXD(X)P-100	E17	PBRXD(X)CF-32[3]	PLT GX24Q-3		5G	277	38	36		SA
HPS		PBRXD(X)CF-42[3]	PLT GX24Q-4		LW			42		GN
PBRXD(X)S-35[2]	E17				LS					
PBRXD(X)S-50	E17									
PBRXD(X)S-70	E17									
PBRXD(X)S-100	E17									

Notes
1) 120 or 277 V Only.
2) 120 V Only
3) Variform Reflector (V) not available with CF units.
4) HSS available with Type V (5G) Refractor only.

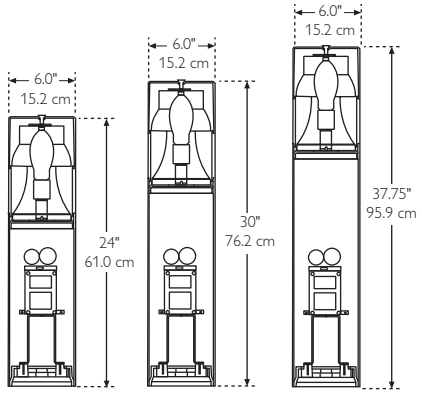
For complete specifications, see current Quality Lighting spec sheets QLSP0148 and QLSP0149.

PBRXF series

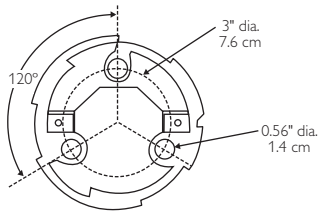
Accent & pathway

PBRXF series flat topped bollards are constructed of spun aluminum. There are two different housing sizes available: 6" diameter (PBRXF6) and 8" diameter (PBRXF8). PBRXF6 is available in heights of 24", 30", and 38". PBRXF8 offers 24", 30", 36" and 42". These bollards offer pulse start metal halide up to 100 W, and compact fluorescent up to 42 W.

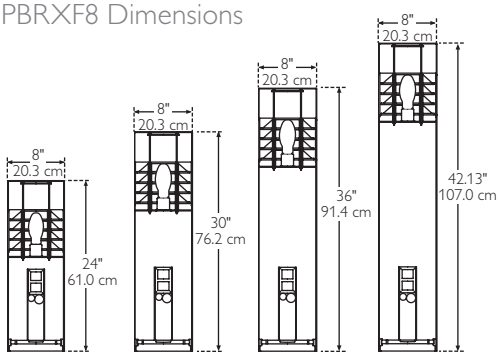
PBRXF6 Dimensions



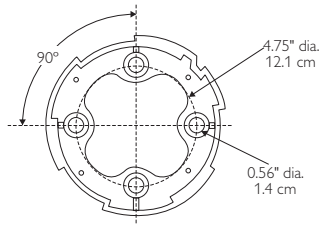
Bottom view



PBRXF8 Dimensions



Bottom view



Note: Louver Optics Shown.

Specifications

Head assembly: Spun aluminum. Access for re-lamping is by one stainless steel fastener.

Fixture column: extruded aluminum, 6" (pbrxf6) and 8" (pbrxf8) diameter with 0.125" wall thickness.

Fixture base: Heavy-duty cast aluminum with three hole bolt pattern using 3/8"-16 UNC x 8" galvanized steel anchor bolts and twist-lock feature for easy fixture mounting. Column is secured to base with stainless steel locking screw.

Optic assembly: PBRXF6: Type V glass refractor or variform specular aluminum reflector. PBRXF8: Type V glass refractor. Type 3 glass refractor, conical specular aluminum reflector, white powder-coated louvers or specular louvers.

Lens: Single-piece clear acrylic with high temperature silicone gaskets for positive sealing of optical chamber.

Sockets: Sockets for HID are all 4 kV pulse rated high temperature porcelain. Sockets for compact fluorescent are high temperature plastic: 26 watt is GX24Q-3, 28 watt is GX32D-3, 32 watt is GX24Q-3, 42 watt is GX24Q-4.

Ballast: Ballasts for HID are high power factor core and coil, multi-tap. Ballast for 28W compact fluorescent is core and coil, 120 VAC. Ballasts for 26/32/42 W compact fluorescent are electronic, universal voltage 120-277 V, 50 or 60 Hz.

Finish: Standard smooth finish options are available: Black (BLK), White (WHT), Dark Bronze (DB), and Green (GN).

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Distribution (PBRXF6)

5G = Type V Glass Refractor
V[3] = Type V Variform Reflector

Distribution (PBRXF8)

V[3] = Type V Variform Reflector
3G = Type III Glass Refractor
5G = Type V Glass Refractor
LW = Symmetrical White Louvers
LS = Symmetrical Specular Louvers

Height (PBRXF6)

24 = 24"
30 = 30"
38 = 38" Standard

Height (PBRXF8)

24 = 24"
30 = 30"
36 = 36"
42 = 42" Standard

Options

HSS[4] = House Side Shield

Note: Fixture does not include lamp.

PBRXF6 / PBRXF8 Ordering guide

Series / size / source - wattage				Distribution		Voltage	Height		Options	Finish
PSMH		CF		F6	F8	120	F6	F8	HSS4	BLK
PBRXF(6/8)P-501	E17	PBRXF(6/8)CF-26[3]	PLT GX24Q-3	5G	V[3]	208	24	24		WHT
PBRXF(6/8)P-70	E17	PBRXF(6/8)CF-28[3]	PLC28 GX32D-3	V[3]	3G	240	30	30		DB
PBRXF(6/8)P-100	E17	PBRXF(6/8)CF-32[3]	PLT GX24Q-3		5G	277	38	36		SA
HPS		PBRXF(6/8)CF-42[3]	PLT GX24Q-4		LW			42		GN
PBRXF(6/8)S-352	E17				LS					
PBRXF(6/8)S-50	E17									
PBRXF(6/8)S-70	E17									
PBRXF(6/8)S-100	E17									

Notes
1) 120 or 277 V Only.
2) 120 V Only
3) Variform Reflector (V) not available with CF units.
4) HSS available with Type V (5G) Refractor only.

For complete specifications, see current Quality Lighting spec sheets QLSP0132 and QLSP0147.

PBSX8 series

Accent & pathway

The PBSX8 series bollard features a square housing formed of aluminum alloy. A weatherproof ballast and non-ferrous fasteners ensure a longer life. There are three different optical choices: a variform reflector, white louvers and specular louvers. PBSX8 offers pulse start metal halide and high pressure sodium up to 100 W, and compact fluorescent in 26 W.

Specifications

Housing: 3003-H14 formed aluminum alloy. Head is secured to the bollard tube with a single stainless steel allen head screw for easy removal for re-lamping. 8" sq. 3003-H14 formed aluminum alloy with a wall thickness of 0.090". A weatherproof ballast assembly isolates the ballast from water and heat for longer life. All non-ferrous fasteners prevent corrosion and ensure longer life.

Optical assembly: Type V: Specular hammertone aluminum internal cone. Optically designed, highly polished ALZAK aluminum, internal louver assembly. Optically designed, white powder-coated aluminum, internal louver assembly. 8"square, 0.1875" thick U.V. stabilized, clear polycarbonate lens.

Lamping: Pulse start metal halide and high pressure sodium Medium base: E17, 28 W compact fluorescent (GX32D-3).

Electrical assembly: Key-slotted ballast assembly is mounted to an aluminum plate, which is mounted inside the base. Quick disconnects for easy installation and removal. 4 kV rated medium base porcelain socket. Nickel-plated screw shell with center contact. 28 W Fluorescent socket is a GX32D-3.

Ballast: All HID ballasts are core and coil and regulated with power factors over 90% (HPF). Ballast provides +/- 5% lamp power regulation with +/- 10% input voltage regulation. Ballasts are factory pre-wired and tested. Pulse start metal halide ballasts are capable of starting at -20°F or -30°C and high pressure sodium at -40°F or -40°C. NOTE: All ballasts are EISA / Title 20 / Title 24 compliant where applicable. Fluorescent ballast is electronic. Ballast is capable of starting at 0°F or -18°C. Ballast is factory wired and tested.

Installation & mounting: Internal cast aluminum base plate is secured to anchor foundation by four (4) 3/8-16 x 8" galvanized steel bolts and nuts on a 4.75" bolt circle (use factory supplied template). A twist-lock action mates the base plate casting with lower bollard casting, which is welded to the bottom of the bollard extrusion. Base of bollard can be leveled with over and under nut. One set screw is used to secure the bollard to the base plate.

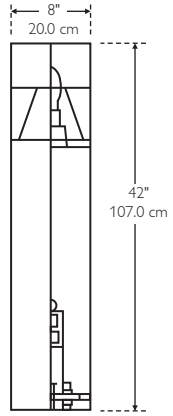
Finish: Standard smooth finish options are available: Black (BLK), Dark Bronze (DB), and Gray (GR).

Warranty: Standard one-year limited warranty.

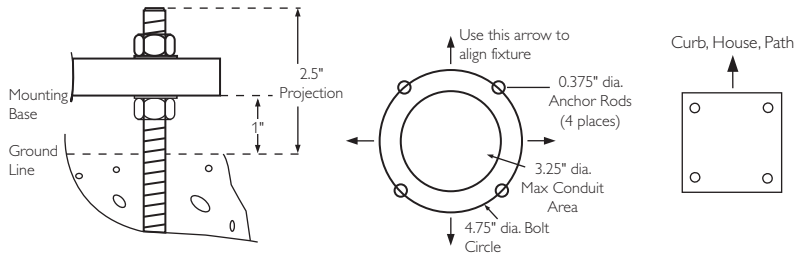
Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) Variform Reflector (V) not available with CF units.

PBSX8 Dimensions



Mounting template



Distribution

V[1] = Variform Reflector
LW = White Louvers
LS = Specular Louvers

PBSX8 Ordering guide

			-		-		-		
Series / size / source - wattage						Distribution	Voltage	Finish	
PSMH		HPS				V[1]	120	BLK	
PBSX8P-50	E17	PBSX8S-50	E17			LW	208	DB	
PBSX8P-70	E17	PBSX8S-70	E17			LS	240	GR	
PBSX8P-100	E17	PBSX8S-100	E17				277	RAL(*)	
		CF					347		
		PBSX8CF-28[1]	CFL						

For complete specifications, see current Quality Lighting spec sheet QLSP0133.

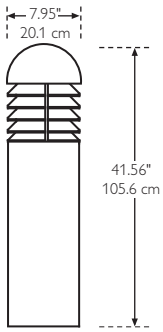
RCBX8 / FCBX8 series

Accent & pathway

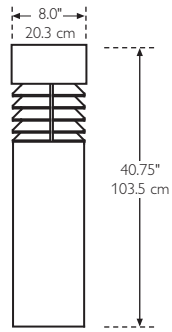
RCBX8 bollard series features a round, sand-cast aluminum roof with a dome top, and die-cast aluminum louvers. FCBX8 Series features a flat topped housing. Both housing types are tamper resistant. Available up to 100 W in pulse start metal halide and high pressure sodium, and up to 42 W in compact fluorescent.

RCBX8 / FCBX8 Dimensions

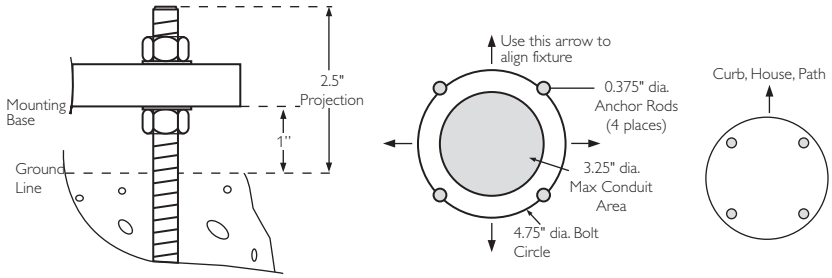
RCBX8



FCBX8



Mounting template



Distribution

CL = Cast Louver Symmetrical

RCBX8 / FCBX8 Ordering guide

Series / size / source - wattage		Distribution	Voltage	Height	Finish
PSMH		CL	120	42	BLK
RCBX8P-50 / FCBX8P-50	E17		208		DB
RCBX8P-70 / FCBX8P-70	E17		240		GR
RCBX8P-100 / RCBX8P-100	E17		277		RAL(*)
HPS					
RCBX8S-70 / FCBX8S-70	E17				
RCBX8S-100 / FCBX8S-100	E17				
CF					
RCBX8CF-28 / FCBX8CF-28[1]	PLC				
RCBX8CF-42 / FCBX8CF-42	PLC				

For complete specifications, see current Quality Lighting spec sheet QLSP0135.

Specifications

Head assembly: Sand-cast aluminum roof and die-cast aluminum louvers with corrosion-resistant polyester powder coat finish. Access for re-lamping is by stainless steel fasteners. Available in two styles: dome and flat.

Fixture column: Extruded aluminum with corrosion-resistant polyester powder coat finish. Column is 8.0" in diameter with 0.125" wall thickness.

Fixture base: Heavy-duty die-cast aluminum with four hole bolt pattern using 3/8-16 UNC x 8" galvanized steel anchor bolts and twist-lock feature for easy fixture mounting. Column is secured to base with stainless steel locking screw. Lamp is not included with the fixture and must be ordered separately.

Optic assembly: Tempered ribbed glass globe with high temperature, molded silicone gasket for positive sealing of the optical chamber. House side shield is supplied with each fixture (optional use).

Sockets: Sockets for HID (Pulse Start Metal Halide and High Pressure Sodium) are all 4 kV pulse rated high temperature porcelain. Sockets for 28 W Compact Fluorescent are GX32D-3 high temperature plastic. Sockets for 42 W Compact Fluorescent (CF) are GX24Q-4 high temperature plastic.

Ballasts: Ballasts for HID are high power factor core and coil, multi-tap. Ballasts for 28 W CF units are core and coil, 120 VAC. Ballasts for 42 W CF units are electronic, universal voltage 120-277 VAC, 50 or 60 Hz.

Finish: Standard smooth finish options are available: Black (BLK), White (WHT), Dark Bronze (DB), and Green (GN) finishes are smooth, thermoset polyester powdercoat.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) Available in 120 V only.

QLP LED series

Parking & under canopy

Quality LED parking garage and under canopy generation-2 luminaire features die-cast aluminum alloy housing. EZ Hanger plate mount is standard. Available in multiple LED and driver configurations with efficacies up to 75 lms/W. QLP Series is suitable for wet locations. Symmetrical and downlight specific optics available. QLP Generation-2 with 'S' optic is DLC Certified.

Specifications

Housing: Die-cast aluminum alloy construction shall ensure durability within parking structures. Construction and finish of the housing and all exterior hardware shall ensure fixture is resistant to the effects of corrosives and contaminants such as exhaust fumes. Easy Hanger Plate shall be fabricated from galvanized steel. Standard unit is IP65 rated.

Driver: Driver efficiency (>90% standard). Constant current (G2): 530/700 mA. 120-480 V. Temp range: -30°C (-22°F) to 40°C (122°F). Open/short circuit protection. Optional 0-10V pulse width modulation dimming to 10% power. RoHS compliant. See website for the most current QLP Driver specs and details.

Rated system life (driver and LED Life):
QLP-32G2 @ 700 mA =
100,000 hours @ 25° to 40°C (77° to 104°F).

QLP-48G2 @ 530 mA =
75,000 hours @ 25° to 40°C (77° to 104°F).

LED and board array: 32 and 48 LED boards. Neutral white 4125 K +/- 175 K. Employs LEDGINE technology - Philips global LED-based Optical system.

Distribution: Symmetrical and downlight specific optics available.

Mounting: Standard mounting shall include a galvanized steel Easy Hanger Plate with universal provisions for 4" junction boxes. An external set screw allows the fixture to be locked or removed without fixture disassembly. Optional tamperproof screws available. Pendant mount and thru wire mount also available.

Occupancy detector: Optional 'PX10' and 'OC15' occupancy detectors are suitable for damp locations only. Painted sheet metal housing.

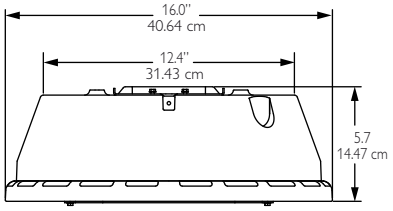
LED Technical data: Please see spec sheet for LED Technical data.

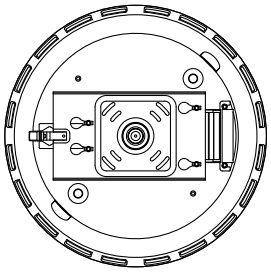
Finish: TSA = textured satin aluminum is standard.

Warranty: Standard five-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations. Suitable for use in ambients from -30° to 40°C (-22° to 104°F). Units with 'PX10' rated to 40°C (104°F). Units with 'OC15' rated to 30°C (86°F). Units with 'S' optics are DLC Certified.

QLP Dimensions





Weight: 17 lbs 7.7 kg

Mounting

EZ = Easy Hanger Plate (standard)

EZBP = Bulk Pack Easy Hanger Plate

PND-RC = Pendant Mount to rigid conduit

PND-RC-24LDS = Pendant Mount with 24" leads

TW2 = Thru-Wire Provision

Distribution

S[2] = Symmetrical

D[2] = Downlight

A = Asymmetric

Options

F1 = Single Fusing 120, 277, 347 V

F2 = Double Fusing 208, 240, 480 V

F3 = Double Fusing 208, 240, 480 V Canadian Double Pull

TS = Tamperproof Screws

DD = Dimming Driver

Options

OC15[3] = Non-programmable occupancy detector

PX10[3] = Proximo Programmable Occupancy Detector

WG = Wire Guard

Accessories

F1-KIT = Single Fuse Kit 120, 277, 347 V

F2-KIT = Double Fuse Kit 208, 240, 480 V

F3-KIT = Double Fuse Kit 208, 240, 480 V Canadian Double Pull

PND-OJB = Pendant Mount Offset Junction Box

QLP-BG = Bird Guard

QLP Technical data (Generation-2)

	32G2 (@700 mA)	48G2 (@530 mA)
Input watts	72.4	78.8
Initial lumens @ 25°C Ambient	5063	5911
Lumens per watt @ 25°C Ambient	70	75
Initial lumens @ 40°C Ambient	4778	5358
Lumens per watt @ 40°C Ambient	69	71

Note: Data is subject to change without notice. Always refer to specifications for current technical information.

QLP Ordering guide

QLP - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - TSA - [ ]

Series	# of LEDs	Driver	Distribution	Voltage	Mounting	Options		Finish	Accessories
QLP	32G2 →	700[1]	S[2]	120	EZ	F1	DD	TSA	F1-KIT
	48G2 →	530[1]	D[2]	208	EZBP	F2	OC15[3]		F2-KIT
			A	240	PND-RC	F3	PX10[3]		F3-KIT
				277	PND-RC-24LDS	TS	WG		PND-OJB
				347	TW2				QLP-BG
				480					
				UNV (120-277)					

Notes
1) 32G2 can only be specified with 700 Driver. 48G2 can only be specified with 530 Driver.
2) S optic uses a clear lens, D optic uses a diffuse lens.
3) 120, 277, and 347V only.

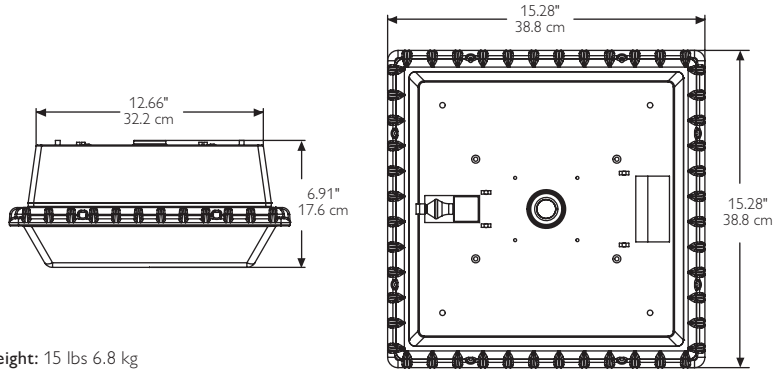
For complete specifications, see current Quality Lighting spec sheet QLSP0193.

MPQ LED series

Parking & under canopy

MiniPro LED series features precision die-cast aluminum housing with a quick hanger plate fabricated from galvanized steel. Individual precision optics collect and redirect light to optimize performance. MPQ Series features a quick hanger plate mount. LED optical system individually controls the placement of light in the target area minimizing glare. LEDs have a rated life of 60,000 hours.

MPQ Dimensions



Weight: 15 lbs 6.8 kg

Voltage
U = 120-277

Optics
H2 = Type II

T5S = Type V Square

Specifications

Construction: Precision die-cast aluminum housing. Hanger plate is fabricated from galvanized steel. All exposed hardware is corrosion resistant. Integral cast aluminum heat sink. Polycarbonate lens.

Optics: High-output LEDs. Individual precision optics collect and redirect light to optimize performance. LED optical system individually controls the placement of light in the target area minimizing glare. LEDs have an average rated life of 60,000 hours (L70).

Electrical: Electronic class II LED driver accepts 120-277 V, 50/60 Hz input (constant current). 054 LED consumes 95 watts (08 Driver). 054 LED consumes 70 watts (06 Driver). 049 LED consumes 102 watts (08 Driver). 049 LED consumes 72 watts (06 Driver).

Mounting: Quick hanger plate attaches to 4" square or octagonal box. Fixture swings up and locks into place with single screw. Installation does not require opening fixture.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

LED Technical data: See Quality Lighting spec sheet QLSP0186 for currect technical data.

Warranty: Standard five-year limited LED warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) 06 Driver is reduced wattage on 049 and 054.

MPQ Ordering guide

Prefix	Driver	Voltage	Finish	LED #	Color Temp	Optics
MPQ	08	U	TSA	054	6K	H2
	06[1]		TDB	049	4K	T5S
			TBK			
			TWHT			
			TGR			
			TGN			
			RAL(*)			

For complete specifications, see current Quality Lighting spec sheet QLSP0186.

MP series

Parking & under canopy

MiniPro series features precision die-cast aluminum housing with a quick hanger plate constructed of galvanized steel. Optics are designed for highly uniform, Type 5 distribution. Available with through or rigid pendant mounting in wattages up to 150 W for HPS and PSMH. Available up to 150 W in pulse start metal halide and high pressure sodium.

Specifications

Construction: Precision die-cast aluminum housing. Quick hanger plate is fabricated from galvanized steel. All exposed hardware is corrosion resistant.

Optics: Die formed high reflectance white reflector. Refractor is injection molded, UV stabilized high impact acrylic. Prisms are designed for highly uniform distribution. Available in Type 5 distribution. 20% uplight, 70% downlight. Excellent fixture spacing.

Electrical: Porcelain spring-loaded 4 kV pulse rated socket-medium base. Ballasts have copper windings with Class H (180°C) rated insulation. Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C. Lamps furnished. Factory pre-installed. All metal halide fixtures are pulse start. QL Lamping offers 100,000 hour lamp life. Also available in LED configuration

Mounting: (Q) quick hanger plate attaches to 4" square or octagonal box. Fixture swings up and locks into place with single screw. Installation does not require opening fixture. ("Q" mounting). (T) provides 3/4" threaded hubs for through wire surface mount or 12" or less rigid pendant.

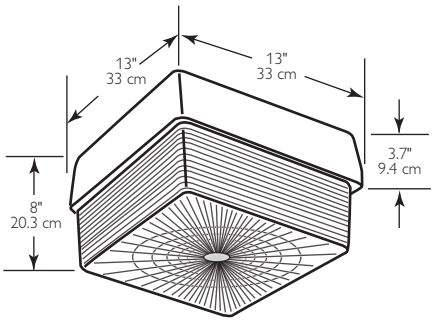
Finish: Standard finish shall be bronze.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) Normal Power Factor. Voltage is 1(120).
2) Voltage is 6(120/277)HX/HPF ballast.
3) Voltage is 8(120-277)CWA/HPF ballast.
4) Voltage is 8(120-277)HX(HPF) ballast.
5) Only available with Quick Hanger Plate (Q).

MP Dimensions



Weight: 15 lbs 6.8 kg

Source
MA = Metal Halide
PMA = Pulse Start Metal Halide
NLX[1] = High Pressure Sodium
LX[4] = High Pressure Sodium

Mounting
Q = Quick Hanger Plate
T = Through Wire or Rigid Pendant

Options / lamp
L = Lamp Included
FS = Single Fusing 120, 277 V
FFS = Double Fusing 208, 240 V
TP = Tamper Proof Screws
AMC = Time Delay Quartz Restrike
Z[6] = Bi-Level Switching

Voltage
1 = 120
3 = 240
6 = 120/277
8 = 120-277

Accessories
75 = Four Inch Round Back Box 1/2" NPT
753 = Four Inch Round Back Box 3/4" NPT
HSK = Hang Straight Kit
UJB1 = Universal Junction Box

MP Ordering guide

Prefix	Mounting	Wattage		Distribution	Source	Lamp	Options	Voltage	Accessories
MP	Q	MA	LX/NLX	5	MA	L	FS	1	75
	T	**05**[2] 50	**07** 70		PMA		FFS	3	753
		07[2] 70	**10** 100		LX[4]		TP	6	HSK
		10[2] 100	**15** 150		NLX[1]		AMC	8	UJB1
		PMA	NLX				Z[6]		
		15[3] 150	**05** 50						

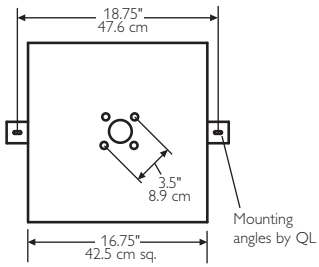
For complete specifications, see current Quality Lighting spec sheet QLSP0170.

410 series

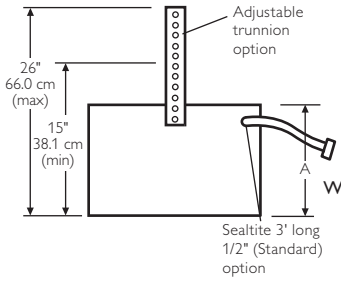
Parking & under canopy

410 series is constructed of formed and welded stainless steel. Available in housing depths from 10.5" to 24" deep. Ceiling mount is standard. External brackets, trunnion mount and UL approved recessed mounting are also available. 410 Series offers up to 400 W pulse start metal halide and high pressure sodium.

410 Dimensions (EB option)



410 Dimensions (TM-1 option)



A	
10.5"	26.7 cm
14.5"	36.8 cm
20.0"	50.8 cm

Weight: 36 lbs 16.3 kg

Mounting

CM = Ceiling Mount (standard)

EB = External Brackets
Stainless Steel

TM-1 = Trunnion Mount
Stainless Steel

RM = UL Approved
Recessed Mounting
For 2'x2' lay-in includes flanges
(UL heat sensor included)

Options

F1 = Single Fusing 120, 277, 347 V

F2 = Double Fusing 208, 240, 480 V

F3 = Double Fusing 208, 240, 480 V
Canadian Double Pull

CSR = Hot Emergency Quartz Re-Strike

IRS = Instant Re-Strike Starter
(HPS to 150 W, HPF only)

PWL = Pre-Lamped (labor only)

WL = Wet Location

DL = Prismatic Drop Lens

Mounting notes

TM-1 trunnion & EB mounting angles are shipped separately.

TM-1 & EB options can also be furnished pre-lamped (Option PWL)

Accessories

TPT-410 = Tamperproof Tool
Tamper proof screws are standard with the 410 and require the use of a tamperproof tool (TPT-410). Must be ordered separately.

Notes
1) Only available with Type 5V optics.
2) 250W PSMH requires a minimum depth of 14.5"
3) 250W HPS requires a minimum depth of 20"
4) 400W requires a minimum depth of 24".
5) ED-17 lamp only with 3H optics.

Specifications

Housing: Each 410 Series shall be constructed of formed and welded Type 304-2B stainless steel. For marine and highly corrosive environments Type 316 stainless steel is available. In order to assure proper positioning of the luminaire in coffered ceilings, the housing shall be available in depths of 10.5" to 24". All internal and external threaded hardware shall be stainless steel.

Lens frame: The extruded clear hard coat anodized aluminum lens frame shall be stainless steel pin hinged to the housing.

Lens and gasketing: The thermal and shock resistant glass lens shall be gasketed to the lens frame with silicone. The lens frame shall be gasketed to the housing's internal reinforcement ledge with silicone impregnated Dacron gasketing.

Installation: The housing sides and top shall be provided with knock-outs for thru-wiring, direct ceiling mount and junction box mount. An optional trunnion mount bracket shall provide adjustable mounting depths of 15" to 26" below the ceiling.

Reflector: 410 Series shall be available with the following reflector systems. Vertical: Type 5V, one piece spun reflector, symmetrical; Horizontal: Type 3H, one piece spun reflector, asymmetrical. Each electro-brightened, anodized and sealed aluminum reflector shall hold a porcelain base lamp holder. The optical system shall be fully enclosed. All photometric data shall be certified by an independent testing facility.

Ballast: Ballast shall be readily accessible, removable and insulated. The fixture is to be factory pre-wired and electronically tested before shipment.

Finish: The standard exterior finish of the luminaire shall be Type 304-2B stainless steel. Type 316 Marine Grade stainless steel also available.

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

410 Ordering guide

Series-size/source-wattage				Depth	Distribution	Voltage	Mounting	Options	Finish	Accessories
PSMH		**HPS**		**10.5"**	**5V**	**120**	**CM**	**F1**	**SS**	**TPT-410**
410-13P-100	ED-17	410-13S-100	ED-17	**14.5"**	**3H**[5]	**208**	**EB**	**F2**	**316**	
410-13P-150	ED-17	410-13S-150	ED-17	**20"**		**240**	**TM-1**	**F3**		
410-13P-175[1]	ED-17	410-13S-250[3]	ED-28	**24"**		**277**	**RM**	**CSR**		
410-13P-200[1]	ED-17	410-13S-400[4]	ED-28	**DM(*)**		**347**		**IRS**		
410-13P-250[2]	ED-28			(*Specify Depth)		**480**		**PWL**		
410-13P-400[4]	ED-28							**WL**		
								DL		

For complete specifications, see current Quality Lighting spec sheet QLSP0119.

PF series

Parking & under canopy

ProFormer Series features corrosion resistant, formed steel housing and a heavy-duty ballast housing to ensure long life. Heat resistant flat glass lens is available to provide cutoff distribution. ProFormer features a Surface Mount to concrete or metal. Available up to 400 W in pulse start metal halide and high pressure sodium.

Specifications

Construction: Corrosion resistant housing is fabricated from formed steel that is welded for strength and durability. Corrosion resistant Duraplex II white polyester powder coated finish standard. Optional designer finishes available. (Consult factory). Reinforced slide-in lens assembly allows easy relamping and is sealed to housing using a one-piece neoprene gasket. Ballast components are mounted on a heavy-duty ballast panel that is welded directly to the housing for maximum heat transfer.

Optics: Anodized aluminum reflector. "Double prism" injection molded drop acrylic refractor is standard. Optional flat glass lens is tempered ASG73 prismatic, heat and impact resistant, and provides cutoff distribution.

Electrical: Porcelain spring-loaded 4 kV pulse rated socket-mogul base. The ballasts are CWA type. Starting temperature: LX(HPS)-40°F/-40°C, PMA(PS)-20°F/-30°C.

Mounting: Surface mount to concrete or metal only. The housing is pre-punched on top to accept a 3/4" conduit or liquid tight flexible conduit connector. Mounting holes are drilled in the field.

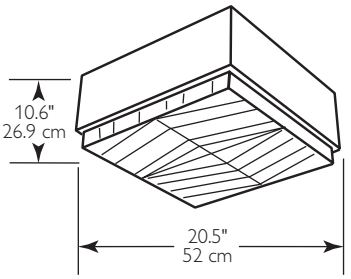
Finish: Standard finish is textured white.

Warranty: Standard one-year limited warranty.

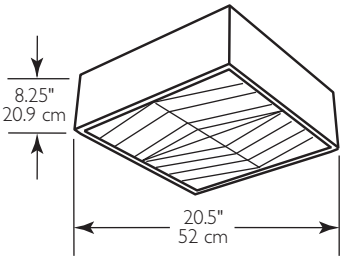
Listings: UL/cUL 1598 listed, suitable for wet locations.

PF Dimensions

Drop refractor



Flat glass



Weight: 38 lbs 17.2 kg

Source
PMA = Pulse Start Metal Halide
LX = High Pressure Sodium

Lens
Blank = Drop Refractor
GL = Flat Glass

Options / lamp
L = Lamp Included
FS = Single Fusing 120, 277 V
FFS = Double Fusing 208, 240, 480 V
PR = Polycarbonate Refractor
TP = Tamper Proof Screws
AMC = Time Delay Quartz Restrike

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
5 = 480
8 = 120-277

PF Ordering guide

Prefix	Wattage PMA	Wattage LX	Source	Lamp	Lens	Options	Voltage
PF	175	150	PMA	L	Blank	FS	1
	250	250	LX		GL	FFS	2
	320	400				PR	3
	350					TP	4
	400					AMC	5
							8

For complete specifications, see current Quality Lighting spec sheet QLSP0172.

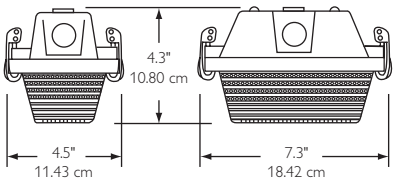
EBW series

Parking & under canopy

EBW Series wet location linear fluorescent luminaire features low profile, white, non-conductive, non-corrosive molded fiberglass housing with an impact resistant lens. Available in two different units, a four foot unit and an eight foot tandem unit. Four foot unit allows for up to two 54 W lamps, eight foot tandem unit allows up to three 32 W lamps.

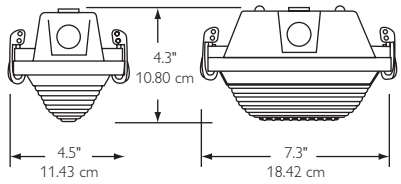
EBW Dimensions

Prismatic injection molded lens (P)

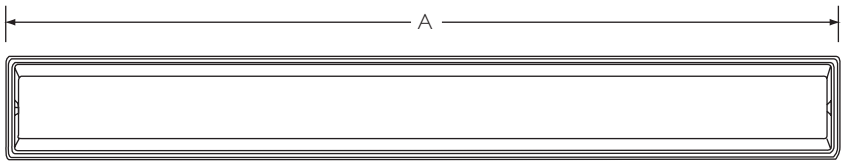


One lamp — Two & three lamp / Tandem one lamp

Ribbed lenses (R & A)



One lamp — Two & three lamp / Tandem one lamp



Dimensions

	4' Unit	8' Tandem unit
A	51.60" 70.3 cm	100.0" 254 cm

Lens Type

P = Prismatic Polycarbonate
R = Lineal Ribbed Polycarbonate
A = Lineal Ribbed High Impact Acrylic

Voltage

UNV = Universal Voltage 120 - 277 V

Options

GLR(X) = Fusing (fast blow) 120/277 V (X = # of ballasts)
EB10R[3] = Program/Rapid Start Electronic Ballast, <10% THD.
LT[3] = Low Temperature for EB10R Option
E7W[3] = Wet Location Emergency Ballast 600-700 Lumens with 32T8 lamp
E5W[3] = Wet Location Emergency Ballast 1350 Lumens

EBW Ordering guide

[ ] - [ ] - [ ] - [ ]

Series-lamping / wattage				Lens type	Voltage	Options
4' Unit		8' Tandem Unit		**P**	**UNV**	**GLR(X)**
EBW-154[1]	T5HO	TEBW-154[2]	T5HO	**R**		**EB10R[3]**
EBW-254	2 x T5HO	TEBW-254[2]	2 x T5HO	**A**		**LT[3]**
EBW-132[1]	T8	TEBW-132[2]	T8			**E7W[3]**
EBW-232	2 x T8	TEBW-232[2]	2 x T8			**E5W[3]**
EBW-332	3 x T8	TEBW-332[2]	3 x T8			

* T5HO lamps: 46" T8 lamps: 48"

For complete specifications, see current Quality Lighting spec sheet QLSP0173.

Specifications

Housing: Low profile, white, non-conductive, non-corrosive molded fiberglass reinforced polyester housing. Continuous poured gasket. Polycarbonate cam action latches. Standard unit constructed to IP65.

Diffuse lens: Impact-resistant lens. Injection molded prismatic polycarbonate lens (P) or lineal ribbed pattern (R). High-impact acrylic lens available in lineal ribbed pattern only (A).

Lamp: 54 watt T5HO fluorescent (5000 rated initial lumens per lamp) or 32 watt T8 fluorescent (2850 rated initial lumens per lamp).

Mounting: Surface mounting brackets included, allowing for flexibility in mounting centers and minimal installation labor without compromising the integrity of the housing.

Ballast: High frequency electronic ballast(s). Ballasts are retained by snap on gear tray (in lieu of channel) reducing weight. T5HO units: Program/rapid start, <10% THD. Minimum starting temperature: -29° C (-20° F). T8 units: Instant start, <20% THD. Minimum starting temperature: -18° C (0° F).

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) Only available with P and R lens types.
2) Only available with A lens type.
3) Available for T8 units only.

550 series

Architectural floodlighting

550 series floodlight is constructed of precision die-cast aluminum. Available in one 12" housing size. 550 Series features a standard yoke mount. Wall bracket and stanchion mounts are also available. Both horizontal and vertical precise variable beam angle settings are field adjustable from 17-75°. Available up to 150 W in pulse start metal halide and high pressure sodium.

Specifications

Housing: The housing shall be precision die-cast aluminum construction.

Lens frame: The die-cast aluminum lens frame is attached to the housing with two concealed hinges.

Lens and gasketing: A clear, thermal and shock resistant glass lens is silicone gasketed to the lens frame and secured with clips. The lens frame is supplied with silicone gasketing secured around the housing's perimeter.

Installation: The housing shall be yoke or yoke with 2" slipfitter mounted. All mounting systems have a protractor type degree scale for accurate aiming of the luminaire.

Reflector: 550 Series shall have a field adjustable beam spread. The reflector system shall utilize one fixed panel and four moveable panels of various contours. Precise variable beam angle settings from 17-75 degrees (NEMA 1x5 to 5x5 or 5x1 to 5x5) shall be achieved in the field by removing the fixture's adjustment cover and adjusting the cam. The fixed beam angle of the reflector system shall be 75°. Beam orientation shall be set in the field by rotating the reflector system 90°. All photometric data shall be certified by an independent testing facility.

Ballast: All CWA ballasts shall operate within +10% to -10% lamp power regulation. Ballasts are rated for -20° F operation. All non CWA ballasts shall be HPF.

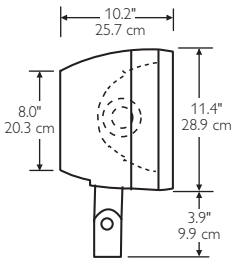
Finish: TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

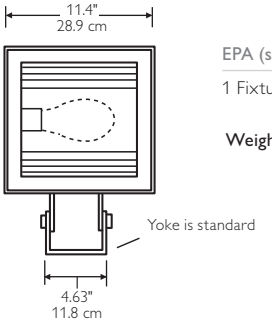
550 Dimensions

Side view



* Vertical orientation shown

Front view



EPA (sq ft)

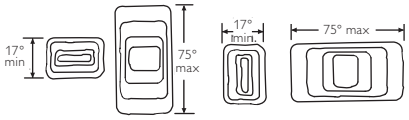
1 Fixture	1.20

Weight: 20 lbs 9 kg

Beam orientation

1 x 1 = Spot
V = Vertical
H = Horizontal

All beam spreads can be easily adjusted from 17° to 75° in the field or at factory.



Vertical (17° - 75°) Horizontal (17° - 75°)

Mounting

Y = Yoke Bracket (standard)
YBSF = Yoke Bracket with 2" Slipfitter
WBT = Wall Bracket
Uses YBSF
SM-24 = Stanchion Mount
Uses YBSF

Y YBSF WBT SM-24

Options

F1 = Single Fusing
120, 277, 347 V
F2 = Double Fusing
208, 240 V
F3 = Double Fusing
208, 240 V
Canadian Double Pull

CSR = Hot Emergency Quartz Re-Strike
PCB = Photo Control Button
BLF = Color Filter (150 W max, specify Roscolux #)
FV = 4 Sided Fixed Vizor
AV2 = 2 Sided Adjustable Vizor
AV4 = 4 Sided Adjustable Vizor
BLL = Straight Louver
ECL = Egg Crate Louver

Accessories

AL-550 = Vandal Resistant Shield

550 Ordering guide

Series-size/source-wattage		Beam orientation	Voltage	Mounting	Options		Finish	Accessories
PSMH		1 x 1	120	Y	F1	FV	TSA	AL-550
550-12P-100	ED-17	V	208	YBSF	F2	AV2	TDB	
550-12P-150	ED-17	H	240	WBT	F3	AV4	TBK	
HPS			277	SM-24	CSR	BLL	TWHT	
550-12S-100	ED-17		347		PCB	ECL	TGR	
550-12S-150	ED-17				BLF		TGN	
For complete specifications, see current Quality Lighting spec sheet QLSP0116.							RAL(*)	

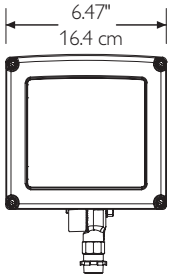
UF1 series

Architectural floodlighting

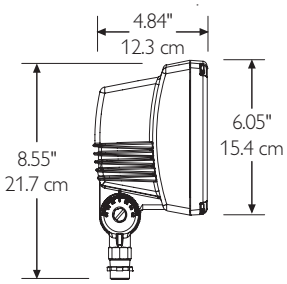
Universal Flood mini architectural floodlight series is constructed of precision die-cast aluminum with a one-piece hinged aluminum door. Hydro-formed reflector system provides uniform distribution. Three different reflectors available: general purpose wide, asymmetric and spot. UF1 Series floodlight can be angled for indirect or accent lighting. Available in 20, 39, and 70 W pulse start metal halide.

UF1 Dimensions

Front view



Side view



EPA (sq ft)
0.22

Weight: 8 lbs 3.6 kg

Mounting
A = 1/2" Arm

Wattage
020 = 20 W
039 = 39 W
070 = 70 W

Lamp source
TE = T4 Electronic Pulse Start Metal Halide

Options
L = Lamped
W = General-Purpose Wide Reflector
A = Asymmetric Reflector
S = Spot Reflector

Voltage
6 = 120, 277 V

Accessories
GP1GS = Visor
GP1WG = Wire Guard
GP1VS = Vandal Shield
SLW10P = Wall mount adapter to convert UF1 luminaires. Complete with built-in splice box and knock-out for button photocontrol
7 = 2" Slipfitter adapter
3 = 3" Slipfitter adapter

Specifications

Construction: Precision die-cast aluminum construction body. One-piece die-cast hinged aluminum door. Lens screws are specially designed captive stainless steel screws. Extruded silicone gasket. Available with vandal shields, wire guards and glare shields.

Optics: General purpose wide, asymmetric, and spot optical distributions available. Specify with correct option code listed on back page. Hinged door frame with clear tempered glass lens. Hydro-formed reflector system provides uniform distribution.

Electrical: T4 pulse start metal halide source with electronic ballast. Integral heat sink ensures cool operation. All metal halide fixtures are pulse start.

Mounting: 1/2" arm with serrated teeth lock arm mount unit into position. The UF Flood can be angled for indirect/accent lighting. Unit can be aimed above or below horizontal. Low EPA rating of 0.22 sq. ft.

Finish: Duraplex II dark bronze polyester powder finish is standard. A variety of designer finishes are available, consult factory.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Note: Bronze standard, leave blank to specify. Consult factory for custom finishes.

UF1 Ordering guide

Series	Size	Mounting	Wattage	Lamp source	Options	Voltage	Accessories
UF	1	A	020	TE	L	6	GP1GS
			039		W		GP1WG
			070		A		GP1VS
					S		SLW10P
							7
							3

For complete specifications, see current Quality Lighting spec sheet QLSP0186.

UF2 LED series

Architectural floodlighting

Universal Flood small LED floodlight features 30 high output LEDs available in 4K color temperature. The housing is constructed of precision die-cast aluminum and a tempered glass lens. The UF2 LED features an arm mount that can be angled for indirect and accent lighting. The unit can be aimed above or below horizontal.

Specifications

Construction: Precision die-cast aluminum construction body. Cast aluminum lens frame with heat sink. Lens screws are specially designed captive stainless steel screws. Extruded silicone gasket. Available with vandal shield, wire guard and visor. Tempered glass lens.

Optics: 30 high-output LEDS available in 4K color temperature. 30 individual precision optics collect and redirect light to optimize performance. Optical system individually controls the placement of light in the target area.

Electrical: Electronic LED driver accepts 120-277 V, 50/60 Hz input. Furnished with 10 kV surge protector standard.

Mounting: 3/4" arm with serrated teeth lock arm mount unit into position. The UF Series can be angled for indirect/accent lighting. Unit can be aimed above or below horizontal.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

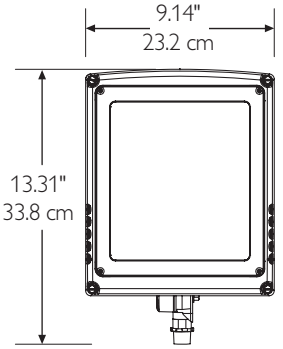
LED Technical data: See Quality Lighting spec sheet QLSP0182 for currect technical data.

Warranty: Standard five-year limited LED warranty.

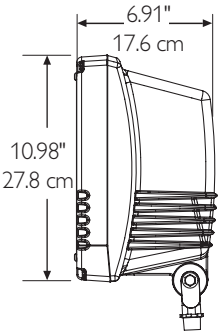
Listings: UL/cUL 1598 listed, suitable for wet locations.

UF2 LED Dimensions

Front view



Side view



EPA (sq ft)
0.55

Weight: 25 lbs 11.3 kg

Voltage
U = 120-277

Accessories
7 = 2" Slipfitter adapter
3 = 3" Slipfitter adapter

UF2 LED Ordering guide

Series	Wattage	Voltage	Finish	# of LEDs	Color temp	Distribution	Accessories
UF2	04 43 W	U	TSA	030	4K	2x2: 24°H x 24°V	7
	06 63 W		TDB			3x5: 34°H x 75°V	3
			TBK			4x4: 52°H x 54°V	
			TWHT			5x3: 75°H x 34°V	
			TGR			5x5: 86°H x 84°V	
			TGN				
			RAL(*)				

For complete specifications, see current Quality Lighting spec sheet QLSP0182.

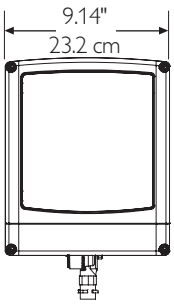
UF2 series

Architectural floodlighting

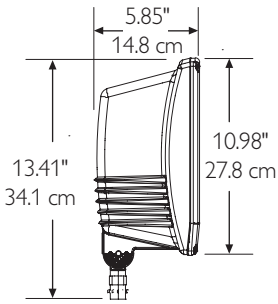
Universal Flood small architectural floodlight series is constructed of precision die-cast aluminum with a one-piece hinged aluminum door. Hydro-formed reflector system provides uniform distribution. Three different reflectors available: general purpose wide, cutoff and spot. UF2 Series floodlight can be angled for indirect or accent lighting. Available in 50, 70, 100, and 150 W pulse start metal halide and high pressure sodium.

UF2 Dimensions

Front view



Side view



EPA (sq ft)
0.55

Weight: 8 lbs 3.6 kg

Mounting
A = 1/2" Arm

Wattage
050 = 50 W
070 = 70 W
100 = 100 W
150 = 150 W

Lamp source
PMA = Pulse Start Metal Halide (HX-HPF)
NLX[1] = High Pressure Sodium (NPF)
LX = High Pressure Sodium (HX-HPF or CWA)

Options
L = Lamped
W = General-Purpose Wide Reflector
C = Cutoff Reflector
S = Spot Reflector
FS = Single Fusing
FFS = Double Fusing

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
6 = 120/277
8 = 120-277

Accessories
GP2GS = Visor
GP2WG = Wire Guard
GP2VS = Vandal Shield
SLW10P = Wall mount adapter to convert UF2 luminaires. Complete with built-in splice box and knock-out for button photocontrol
7 = 2" Slipfitter adapter
3 = 3" Slipfitter adapter

Specifications

Construction: Precision die-cast aluminum construction body. One-piece die-cast hinged aluminum door. Lens screws are specially designed captive stainless steel screws. Extruded silicone gasket. Available with vandal shields, wire guards and glare shields.

Optics: General purpose wide, spot and cutoff optical distributions available. Specify with correct option code. Hinged door frame with clear tempered glass lens. Hydroformed reflector system provides uniform distribution.

Electrical: Pulse start or high pressure sodium source with magnetic ballast. Integral heat sink ensures cool operation. ED17 lamps for pulse start and B17 lamps for high pressure sodium. All metal halide fixtures are pulse start.

Mounting: 1/2" arm with serrated teeth lock arm mount unit into position. Adjustable tenon for medium-duty installations. The UF Series can be angled for indirect/accent lighting. Unit can be aimed above or below horizontal.

Finish: Duraplex II dark bronze polyester powder finish is standard. A variety of designer finishes are available, consult factory.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Note
1) NLX Available in 120 V only.

Note: Bronze standard, leave blank to specify. Consult factory for custom finishes.

UF2 Ordering guide

Series	Size	Mounting	Wattage	Lamp source	Options	Voltage	Accessories
UF	2	A	050	NLX[1]	L	1	GP2GS
			070	LX	W	2	GP2WG
			100	PMA	C	3	GP2VS
			150		S	4	SLW10P
					F	6	7
					FFS	8	3

For complete specifications, see current Quality Lighting spec sheet QLSP0180.

UF3 LED series

Architectural floodlighting

Universal Flood medium LED floodlight features 49 high output LEDs available in 4K color temperature. 49 individual precision optics collect and redirect light to optimize performance. The housing is constructed of precision die-cast aluminum with a tempered glass lens. Available with trunnion or slipfitter mounting. The UF3 LED can be angled for indirect and accent lighting. The unit can be aimed above or below horizontal.

Specifications

Construction: Precision die-cast aluminum construction body. Cast aluminum lens frame with heat sink. Lens screws are specially designed captive stainless steel screws. Extruded silicone gasket. Available with vandal shield, wire guard and visor. Tempered glass lens.

Optics: 49 high-output LEDS available in 4K color temperature. 49 individual precision optics collect and redirect light to optimize performance. Optical system individually controls the placement of light in the target area.

Electrical: Electronic LED driver accepts 120-277 V, 50/60 Hz input. Easily accessible splice box located in mounting arm ("S" option only). Furnished with 10 kV surge protector standard.

Mounting: Available with trunnion or 2-3/8" slipfitter mounting. The UF Series can be angled for indirect/accent lighting. Unit can be aimed above or below horizontal.

Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

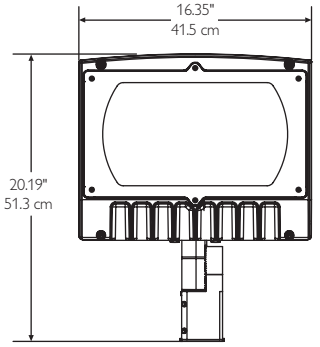
LED Technical data: See Quality Lighting spec sheet QLSP0183 for currect technical data.

Warranty: Standard five-year limited LED warranty.

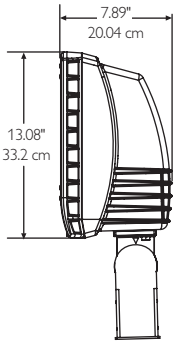
Listings: UL/cUL 1598 listed, suitable for wet locations.

UF3 LED Dimensions

Front view



Side view



EPA (sq ft)
1.0

Weight: 40 lbs 18.14 kg

Mounting
T = Trunnion

S = 2-3/8" Tenon Slipfitter

Voltage
U = 120-277

Accessories
UWT238BRZ - Wall Mount Bracket with Tenon

GP3-SF - Replacement Slipfitter

GP3-YOKE - Replacement Yoke

UF3 LED Ordering guide

Series	Mounting	Wattage	Voltage	Finish	# of LEDs	Color temp	Distribution	Accessories
UF3	T	09 102 W	U	TSA	049	4K	2x2: 28°H x 29°V	UWT238BRZ
	S			TDB			3x5: 33°H x 76°V	GP3-SF
				TBK			4x4: 54°H x 53°V	GP3-YOKE
				TWHT			5x3: 76°H x 33°V	
				TGR			5x5: 77°H x 80°V	
				TGN				
				RAL(*)				

For complete specifications, see current Quality Lighting spec sheet QLSP0183.

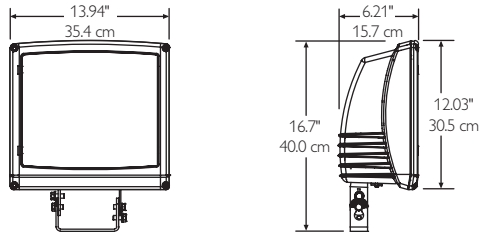
UF3 series

Architectural floodlighting

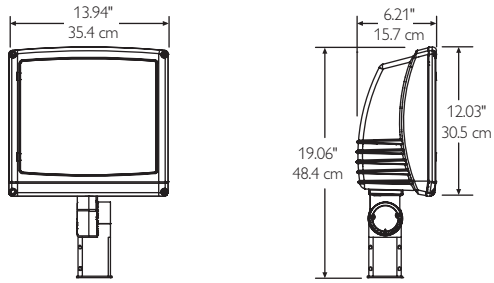
Universal Flood medium architectural floodlight series is constructed of precision die-cast aluminum with a one-piece hinged aluminum door. Hydro-formed reflector system provides uniform illumination. General purpose wide and cutoff reflectors are available. UF3 Series floodlight can be angled for indirect or accent lighting. Available up to 400 W high pressure sodium and pulse start metal halide.

UF3 Dimensions

Trunnion mount



Tenon mount



EPA (sq ft)

1.0

Weight: 22 lbs 9.9 kg

Mounting
T = Trunnion

S = 2-3/8" Tenon Slipfitter

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
5 = 480
6 = 120/277
8 = 120-277

Lamp source
PMA = Pulse Start Metal Halide (HX-HPF or CWA)

LX = High Pressure Sodium (HX-HPF or CWA)

Accessories
GP3GS = Visor

GP3WG = Wire Guard

GP3VS = Vandal Shield

UWT238BRZ = Wall Mount Bracket with Tenon

GP3-SF = Replacement Slipfitter

GP3-YOKE = Replacement Yoke

Options
L = Lamped

W = General-Purpose Wide Reflector
C = Cutoff Reflector

PCB = Button Photo Control

TLR = Twist Lock Receptacle with Shorting Cap

TRP = Twist Lock Receptacle with Photocontrol

FS = Single Fusing

FFS = Double Fusing

Note: Bronze standard, leave blank to specify. Consult factory for custom finishes.

Specifications

Construction: Precision die-cast aluminum construction body. One-piece die-cast hinged aluminum door. Lens screws are specially designed captive stainless steel screws. Extruded silicone gasket. Available with vandal shields, wire guards and glare shields.

Optics: General purpose wide and cutoff optical distributions available. Specify with correct option code. Hinged door frame with clear tempered glass lens. Hydroformed reflector system provides uniform distribution. Lamps are horizontally positioned.

Electrical: Pulse start or high pressure sodium source with magnetic ballast. Integral heat sink ensures cool operation. ED28 lamps for pulse start and ED18 lamps for high pressure sodium. All metal halide fixtures are pulse start.

Mounting: IP65 Rated (trunnion mount only) for extra protection against water, dust and debris. Available with trunnion (IP65 and UL) and slipfitter (UL) mounting (consult factory for IP65 slipfitter). Fits standard 2-3/8" tenon top. The UF Series can be angled for indirect/accent lighting. Unit can be aimed above or below horizontal.

Finish: Duraplex II dark bronze polyester powder finish is standard. A variety of designer finishes are available, consult factory.Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

UF3 Ordering guide

Series	Size	Mounting	Wattage		Lamp source	Options	Voltage	Accessories
UF	3	T	PMA	LX	LX[1]	L	1	GP3GS
		S	200	200	PMA[2]	W	2	GP3WG
			250	400		C	3	GP3VS
			320			PCB	4	UWT238BRZ
			350			TLR	5	GP3-SF
			400			TRP	6	GP3-YOKE
						FS	8	
						FFS		

For complete specifications, see current Quality Lighting spec sheet QLSP0181.

UF4 series

Architectural floodlighting

Universal Flood large architectural floodlight series is constructed of precision die-cast aluminum with a one-piece hinged aluminum door and clear tempered glass lens. Hydro-formed reflector system provides uniform illumination. Three different reflectors available: general purpose wide, cutoff and spot. UF4 Series floodlight can be angled for indirect or accent lighting. Available from 150 to 400 W pulse start metal halide and high pressure sodium.

Specifications

Construction: Precision die-cast aluminum construction body. One-piece die-cast hinged aluminum door. Lens screws are specially designed captive stainless steel. Extruded silicone gasket. Available with vandal shields, wire guards and glare shields.

Optics: General purpose wide, spot and cutoff optical distributions available. Specify with correct option code. Hinged door frame with clear tempered glass lens. Hydro-formed reflector system provides uniform distribution.

Electrical: Pulse start or high pressure sodium source with magnetic ballast. Integral heat sink ensures cool operation. ED28 lamps for pulse start and ED18 lamps for high pressure sodium. All metal halide fixtures are pulse start.

Mounting: IP65 Rated (trunnion mount only) for extra protection against water, dust and debris. Available with trunnion (IP65 and UL) and slipfitter (UL) mounting (consult factory for IP65 slipfitter). Fits standard 2-3/8" tenon top. The UF Series can be angled for indirect/accent lighting. Unit can be aimed above or below horizontal.

Finish: Duraplex II dark bronze polyester powder finish is standard. A variety of designer finishes are available, consult factory.

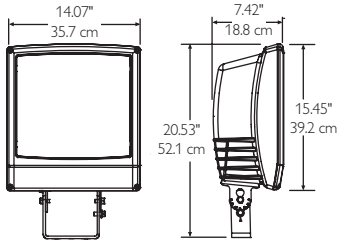
Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

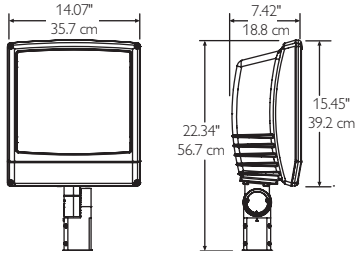
Notes
1) Lamps are ED28

UF4 Dimensions

Trunnion mount



Tenon mount



EPA (sq ft)
1.20

Weight: 26 lbs 11.8 kg

Mounting
T = Trunnion

S = 2-3/8" Tenon Slipfitter

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
5 = 480
6 = 120/277
8 = 120-277

Lamp source
PMA = Pulse Start Metal Halide (HX-HPF)

LX = High Pressure Sodium (HX-HPF or CWA)

Accessories
GP4GS = Visor

GP4WG = Wire Guard

GP4VS = Vandal Shield

UWT238BRZ = Wall Mt Bracket with Tenon

GP5-SF = Replacement Slipfitter

GP4/5-YOKE = Replacement Yoke

Options
L = Lamped

W = General-Purpose Wide Reflector

C = Cutoff Reflector

S = Spot Reflector

PCB = Button Photo Control

TLR = Twist Lock Receptacle with Shorting Cap

TRP = Twist Lock Receptacle with Photocontrol

FS = Single Fusing

FFS = Double Fusing

UF4 Ordering guide

Note: Bronze standard, leave blank to specify. Consult factory for custom finishes.

Series	Size	Mounting	Wattage		Lamp source	Options	Voltage	Accessories
UF	4	T	PMA	LX	LX	L	1	GP4GS
		S	150	150	PMA	W	3	GP4WG
			175	250		C	4	GP4VS
			200	400		S	5	UWT238BRZ
			250			PCB	6	GP5-SF
			320			TRP	8	GP4/5-YOKE
			350			TLP		
			400[1]			FS		
						FFS		

For complete specifications, see current Quality Lighting spec sheet QLSP0184.

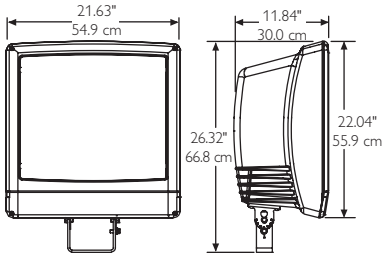
UF5 series

Architectural floodlighting

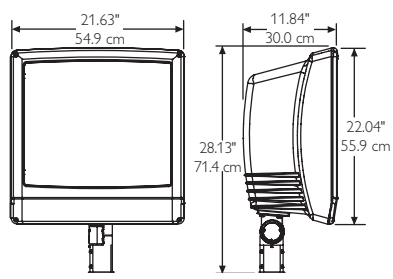
Universal Flood extra large architectural floodlight series is constructed of precision die-cast aluminum with a one-piece hinged aluminum door and clear tempered glass lens. Hydro-formed reflector system provides uniform distribution. Three different reflectors available: general purpose wide, cutoff and spot. UF5 Series floodlight can be angled for indirect or accent lighting. Available in 875, 1000, and 1500 W pulse start metal halide, and 1000 W high pressure sodium.

UF5 Dimensions

Trunnion mount



Tenon mount



EPA (sq ft)
2.63

Weight: 45 lbs 20.4 kg

Mounting
T = Trunnion

S = 2-3/8" Tenon Slipfitter

Voltage
1 = 120
2 = 208
3 = 240
4 = 277
5 = 480
6 = 120/277
8 = 120-277

Lamp source
PMA = Pulse Start Metal Halide (CWA)

MA = Metal Halide (CWA)

LX[1] = High Pressure Sodium (HX-HPF or CWA)

Accessories
GP5GS = Visor

GP5WG = Wire Guard

UWT238BRZ = Wall Mt Bracket with Tenon

GP5-SF = Replacement Slipfitter

GP4/5-YOKE = Replacement Yoke

Options
L = Lamped

W = General-Purpose Wide Reflector

C = Cutoff Reflector

S = Spot Reflector

PCB = Button Photo Control

TLR = Twist Lock Receptacle with Shorting Cap

TRP = Twist Lock Receptacle with Photocontrol

FS = Single Fusing

FFS = Double Fusing

Specifications

Construction: Precision die-cast aluminum construction body. One-piece die-cast hinged aluminum door. Lens screws are specially designed captive stainless steel. Extruded silicone gasket. Available with wire guards and glare shields.

Optics: General purpose wide, spot and cutoff optical distributions available. Specify with correct option code. Hinged door frame with clear tempered glass lens. Hydro-formed reflector system provides uniform distribution.

Electrical: Pulse start or high pressure sodium source with magnetic ballast. Integral heat sink ensures cool operation. BT56 lamps for pulse start and E25 lamps for high pressure sodium.

Mounting: Duraplex II dark bronze polyester powder finish is standard. A variety of designer finishes are available, consult factory.

Finish: Duraplex II dark bronze polyester powder finish is standard. A variety of designer finishes are available, consult factory.

Warranty: Standard one-year limited warranty.

Listings: UL/cUL 1598 listed, suitable for wet locations.

Notes
1) LX (1000w only)

UF5 Ordering guide

Series	Size	Mounting	Wattage	Lamp source	Options	Voltage	Accessories
UF	5	T	875	PMA	L	1	GP5GS
		S	1000	MA	W	2	GP5WG
			1500	LX[1]	C	3	UWT238BRZ
					S	4	GP5-SF
					PCB	5	GP4/5-YOKE
					TLR	6	
					TRP	8	
					FS		
					FSS		

For complete specifications, see current Quality Lighting spec sheet QLSP0185.

APL series

Industrial floodlighting

APL series floodlight is constructed of heavy gauge aluminum. APL offers a knuckle mount, wall bracket, and yoke mount. It is available in 19" and 22" housing sizes. Both housing sizes offer pulse start metal halide and high pressure sodium. The 19" housing offers up to 400 W pulse start metal halide and high pressure sodium. The 22" housing offers up to 1000 W pulse start metal halide, metal halide and high pressure sodium.

Specifications

Housing: Each APL housing shall be formed from heavy gauge aluminum and internally welded.

Lens frame: The extruded, mitered clear anodized aluminum lens frame shall be formed using four (4) corner keys and secured to the housing with two (2) stainless steel hinge pins.

Lens and gasketing: The flat, thermal and shock resistant glass shall be silicone sealed in the extruded "U" channel lens frame. The lens frame shall be gasketed to the housing's internal reinforcement ring with silicone impregnated Dacron gasketing.

Reflector: The APL luminaire shall be available with two IES distribution reflector systems: 1) Type 4H-forward throw distribution, horizontal lamp; 2) Type 4HP-forward throw distribution, horizontal lamp with an internal perimeter cutoff blade. All photometric data shall be certified by an independent testing facility.

Ballast: All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20 degree F operation.

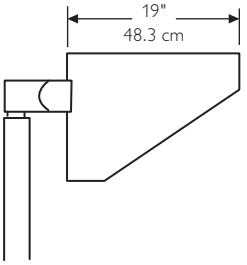
Finish: Standard Textured Finish options available. TSA = textured satin aluminum, TDB = textured dark bronze, TBK = textured black, TWHT = textured white, TGR=textured gray, TGN = textured green, and RAL(*) = custom color (*=Specify RAL number).

Warranty: Standard one-year limited warranty.

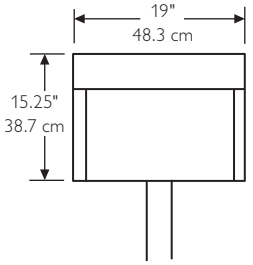
Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

APL19 Dimensions

Side view



Front view



EPA (sq ft)

1.80

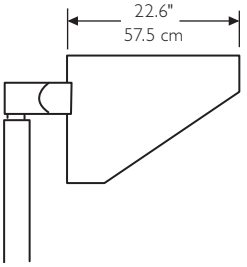
Weight: 55 lbs 25 kg

Wattage availability

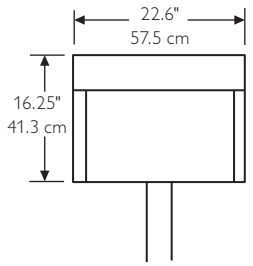
PSMH	HPS
P-250 ED-28	**S-250** ED-18
P-400 BT-37	**S-400** ED-18

APL22 Dimensions

Side view



Front view



EPA (sq ft)

2.60

Weight: 90 lbs 41 kg

Wattage availability

PSMH	HPS
P-1000 BT-37	**S-750** BT-37
MH	**S-1000** E-25
M-1000 BT-37 **BT-56**	

Distribution

4H = Type IV Forward Throw

4HP = Forward Throw with Internal Perimeter cutoff blade

Mounting

K = Knuckle slips 2-3/8" tenon

WB = Wall Bracket
Requires Knuckle Mount (K)

Y = Yoke Mount

YBCA = Yoke Bracket
Adjustable (Horiz. and Vert.)

K

Options

F1 = Single Fusing 120, 277, 347 V

F2 = Double Fusing 208, 240, 480 V

F3 = Double Fusing 208, 240, 480 V
Canadian Double Pull

TLR-PC = Twist-Lock Receptacle with photocontrol

CSR = Hot Emergency Quartz Re-Strike

Accessories

AL-APL = Vandal Resistant Shield (400 W max)

APL Ordering guide

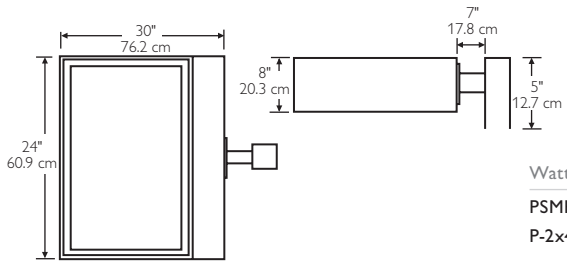
Series/size/source-wattage	Distribution	Voltage	Mounting	Options	Finish	Accessories
APL19(X)	4H	120	K	F1	TSA	AL-APL
APL22(X)	4HP	208	WB	F2	TDB	
(X = Source - Wattage) See wattage availability charts		240	Y	F3	TBK	
		277	YBCA	TLR-PC	TWHT	
		347		CSR	TGR	
		480			TGN	
For complete specifications, see current Quality Lighting spec sheet QLSP0156.					RAL(*)	

LI series

Industrial floodlighting

LI series floodlight features a twin lamp system for optimum light levels. The housing is formed of heavy-gauge aluminum, and is available in 30" and 36" housing sizes. LI Series features three different mounting options: a knuckle mount, a square hub and a round hub. The 30" housing offers up to (two) 400 W in pulse start metal halide and high pressure sodium. The 36" housing offers up to (two) 1000 W pulse start metal halide, metal halide and high pressure sodium.

LI30 Dimensions



EPA (sq ft)

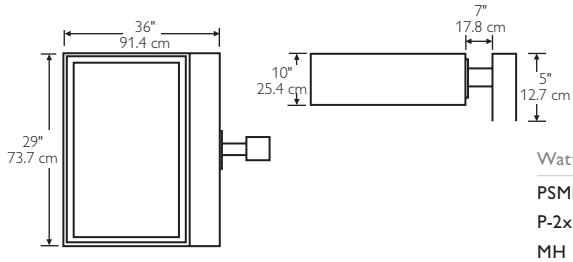
1.90

Weight: 73 lbs 33.2 kg

Wattage availability

PSMH	HPS
P-2x400 ED-37	**S-2x400** ED-18

LI36 Dimensions



EPA (sq ft)

3.00

Weight: 95 lbs 43.2 kg

Wattage availability

PSMH	HPS
P-2x1000 BT-37	**S-2x750** BT-37
MH	**S-2x1000** E-25
M-2x1000 BT-37	
BT-56	

Distribution

4H = Type IV Forward Throw

4HP = Forward Throw with Internal Perimeter cutoff blade

Accessories

AL-LI = Vandal Resistant Shield 400 W max.

Mounting

K = Knuckle slips 2-3/8" tenon

R = Round Hub

S = Square Hub

K

Options

F1 = Single Fusing 120, 277, 347 V

F2 = Double Fusing 208, 240, 480 V

F3 = Double Fusing 208, 240, 480 V Canadian Double Pull

TLR-PC = Twist-Lock Receptacle with photocontrol

HSS = External House Side Shield 75° standard

CSR = Hot Emergency Quartz Re-Strike

Specifications

Housing: Housing is formed from heavy-gauge aluminum, and internally welded external hardware is stainless steel.

Lens frame: The extruded, clear anodized aluminum lens frame shall be pin hinged (400 watt) or fully piano hinged (1000 watt) to the housing.

Lens and gasketing: The flat, thermal and shock resistant glass lens is sealed to the lens frame and secured with four corner keys. The lens is silicone sealed in the extruded "U" channel lens frame. The lens frame is gasketed to the housing's internal reinforcement ring with silicone impregnated Dacron gasketing.

Installation: The LI Series shall be available with three mounting systems: 1) R - round hub for 2.375" - 4" O.D. tenons. 2) S - square hub for 2.375" O.D. tenon; 3) K - swivel knuckle for 2.375" O.D. tenon. The swivel knuckle's cast aluminum adjustable knuckle shall be serrated for positive locking in position. The knuckle shall be provided with a fully enclosed, integral junction box. An optional tenon adapter shall be available for tenons larger than 2.375" O.D. Please specify exact dimensions to assure compatibility. Luminaires shall be pre-wired with high temperature wire, making disassembly for installation unnecessary. For 2, 3, or 4 fixture mounting configurations, consult bracket section.

Reflector: Each electro-brightened, anodized and sealed aluminum reflector is mounted to a mounting platform. The mounting platform is hinged to the housing for ease of access to the ballast compartment. The fully enclosed optical systems holds porcelain lamp holders and insulated lamp supports. The LI Twin Lamp luminaires shall accommodate two 400 or two 1000 watt lamps. Lamps are individually controllable if field wiring is supplied. The following sharp cutoff reflector systems are available: 1) Type 4H - forward throw, horizontal lamp, multiple faceted reflector; 2) Type 4HP - forward throw with perimeter cutoff blade, horizontal lamp, multiple faceted reflector. Each reflector system (no upward component above 85°) is available with internal cutoff blades for custom tuning.

Ballast: All CWA ballasts (+10% or -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation.

Warranty: Standard one-year limited warranty.

Listings: ETL and cETL Listed, per UL 1598, suitable for wet locations.

LI Ordering guide

Series/size/source-wattage	Distribution	Voltage	Mounting	Options	Finish	Accessories
LI30(X)	**4H**	**120**	**K**	**F1**	**TSA**	**AL-LI**
LI36 **(X)**	**4HP**	**208**	**R**	**F2**	**TDB**	
(X = Source - Wattage) See wattage availability charts.		**240**	**S**	**F3**	**TBK**	
		277		**TLR-PC**	**TWHT**	
		347		**HSS**	**TGR**	
		480		**CSR**	**TGN**	
					RAL(*)	

For complete specifications, see current Quality Lighting spec sheet QLSP0157.

Resources

Application assistant

This section offers three resources to help you develop your lighting specifications. You will find information on source selection, lamp performance, CRI, lamp life, as well as the meaning of quality lighting and life cycle costing, to name a few. We have generated this portion to complement our product descriptions and help make your job even easier. At Philips, we aim to be your partner in knowledge by providing you with quick, concise tools that set us apart from other luminaire manufacturers.

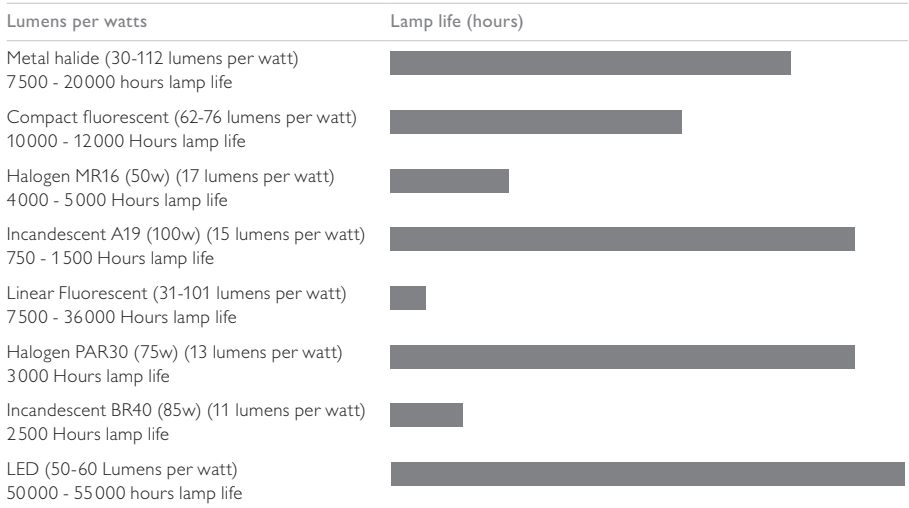
- Lighting technology & terms explained
- Lighting vocabulary
- Lamp data index

Lighting technology and terms explained

General lamp information

Lamp life

Lamps can average 750 hours to 20000 hours depending on the light source chosen. Average lamp life is the number of hours the lamp should last before it burns out. The average life is determined when 50% of the lamps initially installed are still operating. For lamps with a rated average life of 24000 hours and more, life is based on survival of 67% of the lamps.



When selecting the light source for your application, there are some things you need to consider:

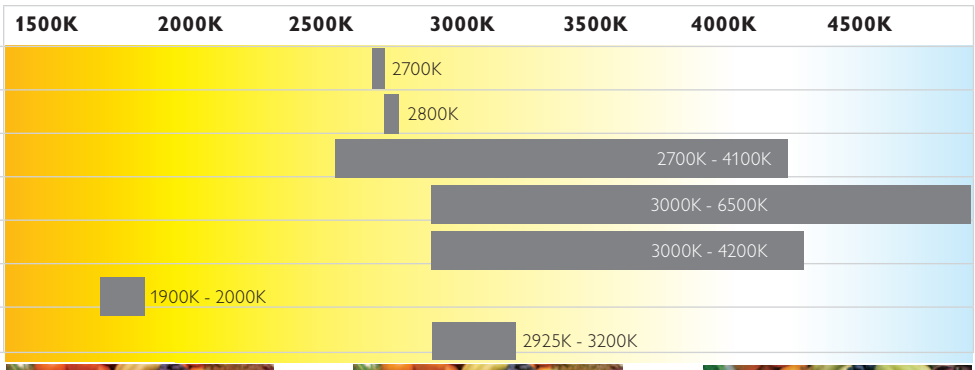
Color rendering index

The color rendering index (CRI) is a relative scale to determine a light source's ability to render an object's color. The higher the number, 100 being the best, the better the color rendering. Specify a source that has 90+ where color matching/selection is occurring; 80+ for pleasant appearance of people, food and merchandise; 80+ for offices, educational, health care and institutional settings; 70+ for most industrial tasks.

Color temperature

Color temperature is measured in Kelvin and represents whether the light source appears warm (1,500K), neutral (3,500K), cool or daylight (5,500K). The chart below highlights the color temperature and how it affects the mood of the space.

CRI	Source
100	Incandescent
100	Halogen
86 - 92	Compact fluorescent
53 - 98	Linear fluorescent
86 - 92	Metal halide(ceramic)
20 - 22	High pressure sodium
100	Low voltage



Hot

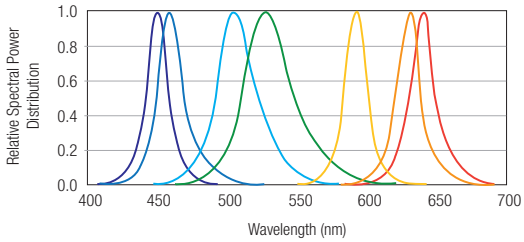
Warm

Cold

The light from a LED has an inherently narrow spectrum

CRI	Source
25 - 90	LED

Spectral power distribution of LED sources



Lighting technology and terms explained

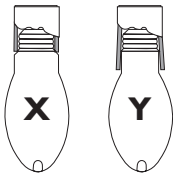
Light source selection and options

Incandescent

The incandescent lamp is a source of electric light that works by incandescence, (a general term for heat-driven light emissions which includes the simple case of black body radiation). An electric current passes through a thin Tungsten filament, heating it until it produces light. A filling gas is often used in the enclosing glass to reduce the filament evaporation rate and improve average life. The enclosing glass bulb prevents the oxygen in air from reaching the hot filament, which otherwise would be destroyed rapidly by oxidation. Incandescent lamps provide superior color rendering, easy dimming and economical maintenance. The color rendering of incandescent sources ranges all the way from warm tones (approximately 2700K) of conventional A lamps to the brilliant light (approximately 3000K) of tungsten halogen. User should beware that there is pending legislation to ban certain incandescent A shaped light sources. Units featuring reflectorized lamps, such as PAR and low-voltage MR16 lamps, are a good choice for accent lighting and wall washing, or wherever highly controlled beams and long lamp life are desired. The longer life of PAR and low-voltage MR16 lamps also make them a good choice for locations that are difficult to access. Small-scale halogen PAR lamps, such as PAR16 and PAR20, produce crisp, white light that is very similar in effect to low voltage halogen lighting. By bringing out form, color and texture in the objects being lighted, low voltage halogen lighting draws the viewer in and adds excitement to the composition.

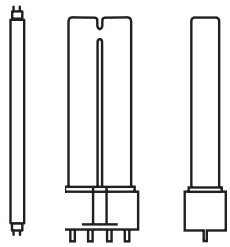
HID

A high-intensity discharge (HID) lamp is a type of electrical lamp which produces light by means of an electric arc between tungsten electrodes housed inside a translucent or transparent fused quartz or fused polycrystalline alumina tube. This tube is filled with both gas and metal salts. The gas facilitates the arc's initial strike. Once the arc is started, it heats and evaporates the metal salts forming a plasma, which greatly increases the intensity of light produced by the arc. High-intensity discharge lamps are a type of arc lamp. Compared with fluorescent and incandescent lamps, certain HID lamps have higher luminous efficacy since a greater proportion of their radiation is in visible light as opposed to heat. Their overall luminous efficacy is also much higher, they give a greater amount of light output per watt of electricity input. High Intensity Discharge (HID) light sources provide high output, long life and the greatest possible energy efficiency. These characteristics make them a prime consideration for many commercial applications. Metal Halide is best suited for interior applications as it provides better color rendering than high pressure sodium. HID lighting should be used for ceilings over twelve feet where a strong punch of light is required. For ceilings over 15 feet, consider Metal Halide PAR lamps, which provide an even stronger throw of light.



X= Open luminaire
Y= Enclosed luminaire

Fluorescent



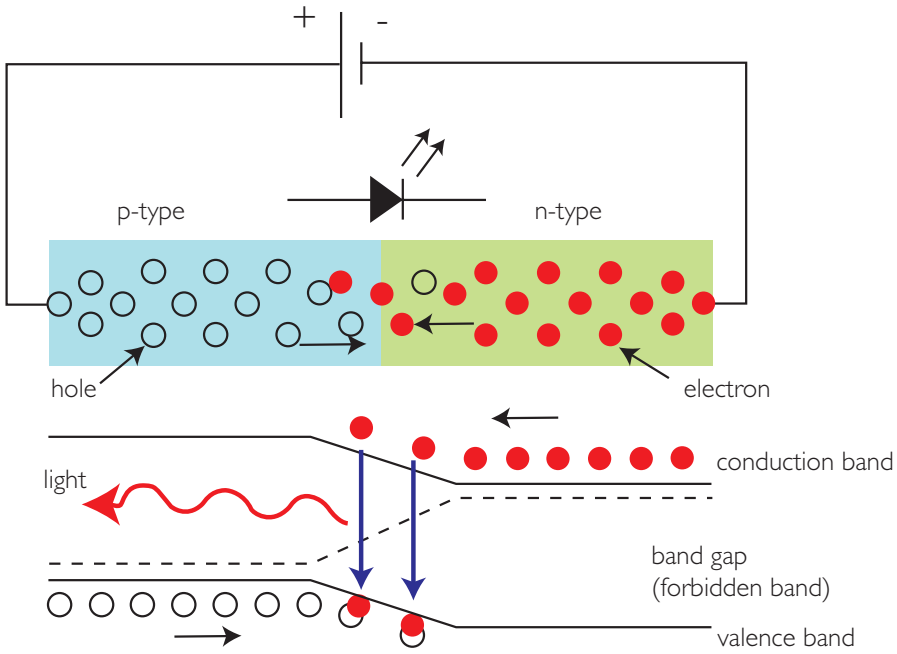
A compact fluorescent lamp or fluorescent tube is a gas discharge that uses electricity to excite mercury vapor. The excited mercury atoms produce short-wave ultra violet light that then causes a phosphor to fluoresce, producing visible light. There have been some environmental concerns over the mercury content in fluorescent light sources. Rest assured that due to advancements in technology the levels of mercury content have decreased dramatically (from around 20mg per 4' lamp to as low as 1.7mg). More and more recycling programs are becoming readily available to safely dispose of the lamps when they reach end of life. Please refer to your lamp manufacturer's catalog for exact mercury content. Note that the levels may differ between manufacturers. Unlike incandescent lamps, fluorescent lamps always require a ballast to regulate the lamp power. However, a fluorescent lamp converts electrical power into useful light more efficiently by generating less heat and more light than an incandescent lamp; lower energy costs offsets the higher initial cost of the lamp. While larger fluorescent lamps have been mostly used in large commercial or institutional buildings, the compact fluorescent lamp is now being used as an energy-saving alternative to incandescent lamps in homes. Compared with incandescent lamps, fluorescent lamps use less power for the same amount of light, and generally last longer. While fluorescent is not as easy as incandescent to dim, dedicated electronic fluorescent dimming ballasts are available when required. With excellent improvements in color rendering, color temperature capabilities coupled with state of the art electronic ballasts, fluorescent lamps provide high lumen output with a fast and flicker free start up. In addition, for superior performance capabilities it is recommended to choose a luminaire with excellent performing optics to maximize the element of quality lighting in any application.

Lighting technology and terms explained

What is LED?

LED defined

LED is the acronym used for a Light Emitting Diode. LEDs are small semi conductors that allow passage of electrical current in one direction forward from the anode to the cathode. An LED consists of two types of semi conductors P-type and N-type, these two elements need to be placed in direct contact to form a P-N junction. The difference between LEDs and other diodes is that an LED is designed to produce photons and has a transparent package that allows visible energy (light) to pass through. The color of an LED is determined by the chemical composition of the semiconductor material used in the LED.



When electrons cross the junction, they move to a lower energy level. As this change in energy occurs, a photon (light) is released.

Solid state lighting's evolution

These days, outdoor LED lights are a given. Designers the world over use them to provide a wonderful, glowing illumination for numerous applications. But, like all great technologies, it took years of research and development to get us to the design-friendly space we find ourselves in now. Let's take a look back and examine the process that made LED lighting what it is today.

The story of LEDs begins in 1962 with a man named Nick Holonyak. Holonyak, seeking to make a name for himself at General Electric (GE) developed the world's first light emitting diode. Its color? Red. Five years later in '67, green LED saw light of day followed by amber in '69 and blue in '71. Clearly, LED lighting didn't appear overnight.

Throughout the following decades, numerous uses were discovered for Holonyak's miraculous new light source including auto indicator lights and traffic lights. But it would not be until 1996 that a great leap forward in LED would take place with the creation of the first white LED light source. While the quality of this first white light would not allow for interior or exterior design applications, it proved useful for numerous day to day uses including airport markers, exit signs and for use in portable devices like flashlights.

While experimentation with white light LED would continue, so too would the evolution of colored LED lighting. In 1998 RGB luminaires for color changing applications were introduced. These would prove so successful that within five years solid state RGB LED lighting was being used throughout the entertainment industry for theatre, façade and accent applications.

Finally, in 2004, accent lighting appropriate, white LED luminaires were developed but it would still not be until 2008 that LED's would become an acceptable source of general illumination. The reason? Until that year, designers considered white LED light sources to be too blue as their CRI was quite low. Even today, there are rumblings that LED is too blue for outdoor use with approximately 6000K in CCT. (Interestingly, some lighting manufacturers recently began a marketing campaign to counter this notion. Their position is that people can see better in blue light.) Even more recently, in an effort to refute these claims, the International Dark-Sky Association (IDA) issued a statement in October 2009 entitled "Blue Light Threatens Animals and People." The IDA believes that blue tinged light can induce photosynthesis suppression in plants, disrupt the habits of nocturnal animals and upset human sleep patterns and circadian rhythms. Thankfully, in 2010 we are finally seeing the emergence of 4000K color temperature light sources that are much friendlier to our external environments.

So, we have examined LED as a light source, but what about its use in terms of an entire SSL system? (A system comprised of four essential elements – the source, optics, heat dissipation and driver capabilities – that define performance and effective lumen output.) There are many factors to be taken into consideration: LEDs present a high glare and emit light in 180 degrees. They are also small in size. The smaller they are, the easier they are to control, position and direct the optics. Since LEDs don't like high temperatures, heat dissipation is also crucial; the better the heat sink, the lower the rate of failure. Overall, the final key factor to a well-functioning SSL system is good driver capabilities as the majority of SSL products weigh in at around 50 lumens per watt. Yes, this runs counter to the popular belief that an LED source offers roughly 100 lumens per watt, but when you consider the optic, driver and wiring, all luminaires have their losses. The upside of course is that with SSL lighting systems, lumens can be specifically targeted to the task area, meaning less light wastage compared to HID or fluorescent systems. There are still numerous other advantages to using LED light sources. When dimmed, the lifespan of an LED actually increases. Additionally, LEDs are the only light source that can improve efficacy of electronic transfer into light when dimmed by the actual SSL product itself. So, when you dim an SSL product, your performance actually improves!

When we ask ourselves as designers, "Have we finally arrived at a point where LEDs and SSL lighting products can be safely used for exterior environments?" The answer is a resounding yes. The LED has had and will continue to have a long and productive life.

Lighting technology and terms explained

Solid state lighting (SSL) photometry

In recent years there has been a pivotal shift in the Lighting Industry with the explosion of Light Emitting Diodes (LED) or SSL products. The industry is well informed that this is a rapidly changing technology; however there have been mixed messages and confusion regarding this technology.

Initially we must understand that SSL products are tested by absolute photometry rather than relative photometry which has been applied to conventional light sources. Before delving into how absolute photometry is used to calibrate SSL products it is important to understand the process of relative photometry.

Relative Photometry is generated by first testing the lamp (HID, Fluorescent or Incandescent) then testing the entire "system" (lamp and lighting fixture together) in order to determine its total luminance flux (lumen output). Lamp testing is conducted under precise conditions. For further explanation on lamp testing procedures, please refer to IES LM 54 1999. Our concern is not how the lamp is tested but how the entire system is calculated. Once the lamp data and published lumen output are obtained, this can be divided to determine Lamp Factor. The Lamp Factor is then applied to all luminous intensity values (candela) to stabilize the "system". This results in an electronic report which generates a photometric report. (Refer. IES Standard LM- 63). The candela value from the lamp manufacturers is the basis contained in the report. For further information please refer to IES LM-46-04.

You may ask how SSL differs. Rather than testing a light source and then the system, SSL lighting is tested as a complete system. There are no variables or changes when it comes to solid state light products. SSL performance is dependant on the optics employed, thermal properties and driver capabilities in order to generate accurate photometric data to create an absolute photometric file. These reports are unconditional data. The results are absolute. To provide further clarification, a few facts need to be stated regarding this method of testing;

- This method cannot accurately scale for different SSL sources.
- Often ten SSL products will be tested all with different outcomes. It is important to ensure the manufacturer is publishing data in the bottom 30% of averages (any reputable manufacturer should publish in this range) to attain the desired performance once the product is installed. If the manufacturer is publishing the best of ten, there is a risk of disappointment and a lacking in light levels upon installation.
- An indication that the photometric data has been performed using the absolute method is a (-1) in the lumen output space.
- For further information please refer to IES LM 79-08.

Finally we need to address how lighting calculation software is responding. For most software these files are readable. They operate on a point by point calculation method in the same manner as relative photometry. The difference is the output of an absolute photometric file is fixed; the data cannot be changed to resemble an alternate SSL source. Due to the confusion in some software by using the (-1) often manufacturers have assigned a lumen value to the photometric report after the fact. The reason these files have been released is due to the fact that older lighting software does not support absolute photometry. AGI 32 has released a version that does support absolute photometry. It is important to exercise caution when generating an RGB calculation. If you are using one color spectrum for instance blue, these do not translate well on our current software due to the saturation of color. The light output indicates 5fc but the actual appearance is brighter. In order to acquire a more accurate view when using RGB it is recommended to do a mock up. SSL solutions are rapidly changing.

Focusing on quality in lighting design

"Professional lighting design improves people's lives."

Philips Lightolier has always been focused on Lighting that Makes a Difference in people's lives. In today's challenging energy and environmentally conscience times, we must still give the appropriate attention to human needs. Care must be taken not to sacrifice the human experience in an effort to go "green" by saving energy at the lowest cost possible. A perfect example of this scenario played itself out recently at a prominent Canadian university. The university had hired designers to light a corridor. This was accomplished by installing 2x4 K12 flat-lensed troffers spaced at 12 ft with a total light level of roughly 400lux. In an effort to "green" the school by cutting down on what was perceived to be an excessive amount of light, (IES recommends roughly 100lux down a corridor) the university instructed the maintenance department to remove the connection from every other luminaire. While this cut down on light and saved energy costs, it also created an uneven and high contrast lighted area. Soon, staff and students that used the corridor began to complain of headaches and sore eyes, since the human eye is not accustomed to rapid light adaptation while moving through a lighted space. (This is especially true the older we get.) The result is lowered productivity, poorer test scores and an overall unhappy environment.

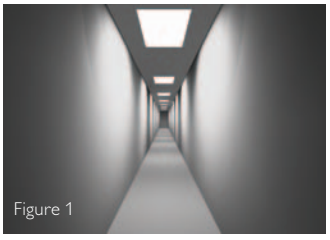


Figure 1

Figure 2

What could they have done differently?

In good practice, the university should have first considered the needs of the people who use the building, then the environment and then budget. Why? Consider the cost of an office lighting system. As you can see in figure 2, such a system actually accounts for less than 2% (sources IES RP 01 04) when compared to all other employee related costs. It should also be noted that providing quality lighting with dimming control can actually help people sustain on tasks over longer periods of time and improve concentration. This drives up performance, improves efficiencies and results in excellent ROI (Return on Investment) due to higher productivity. (Figure 3).

As we have seen, all too often corners are cut when attempting to lower costs. Sure, some may realize a 25% decrease in energy costs, but when human compromise is factored in, the big picture costs may actually be increasing. This is especially true in the world of lighting. Designers must strive to provide high quality, task-specific lighting systems that can help clients realize ROI on a human friendly scale. The right lighting can work wonders.

Does lighting make a difference?
Cost of employee training, salary and benefits outweigh costs of building, furnishings, supplies and maintenance.

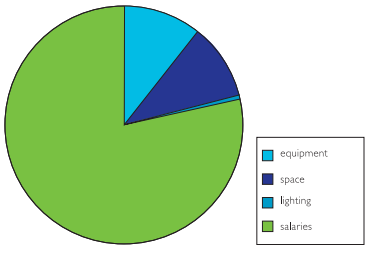


Figure 1

Principles of good design

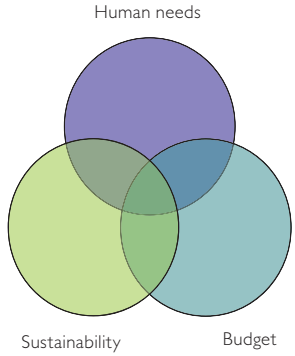


Figure 3

Design commonly practiced today

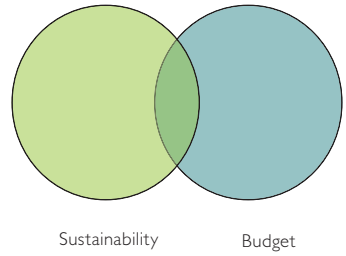
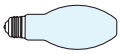


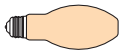
Figure 4

Lighting terms



MH – Metal halide
White light for proper color renditions - 400W lamp life rated at 20,000 hours

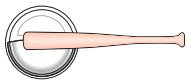
PS – Pulse start metal halide
White light for proper color renditions with the benefit of increased lumens and color consistency over normal metal halide lamps - 400W lamp life rated at 20,000 hours



HPS – High pressure sodium
Golden light that provides better energy efficiency then metal halide lamps and is used best where color rendition is not a primary concern - 400W Lamp Life Rated at 24,000 hours

T5 – Fluorescent
T5 fluorescent lamps are widely known for their energy efficiency, color consistency and high lumen output with lamp life ratings of up to 20,000 hrs. For best performance, T5 fluorescent lamps should only be used in areas where temperature stability is present. (25 degrees – 35 degrees Celsius)

Dark sky friendly – Luminaries are a great solution to prevent against light pollution to help preserve our night sky.



Vandal resistant – Luminaries are built to withstand both impact and prying forces which would normally destroy other luminaries. Recommended for Vandal Prone environments.

Spacing: Is the spacing between fixtures measured from the center of each fixture. Measurement is expressed in (') FEET.

Indent: Is the spot in which you space the fixtures from the beginning or end of a row. The indent should be no more than half of the spacing that is recommended. Measurement is expressed in (') FEET.

Mounting: Is the distance the luminaire is to be mounted from the floor to the bottom of the reflector.

Height: Measurement is expressed in (') FEET.

Coverage: Is the distance out from the luminaire that will be illuminated to the specified footcandle requirement. Measurement is expressed in (') FEET.

Distance out: Is the distance the luminaire will be placed from the location you would like to illuminate. Measurement is expressed in (') FEET.

A.F.F: Above Finished Floor

FC: Footcandles

Lighting glossary

This glossary contains definitions of common lighting terms used in the lighting profession.

Accent lighting
Directional lighting to emphasize a particular object or to draw attention to a part of the field of view.

Absorption
The dissipation of light within a surface or medium.

Accommodation
The process by which the eye changes focus from one distance to another.

Adaptation
The process by which the visual system becomes accustomed to more or less light than it was exposed to during an immediately preceding period. It results in a change in the sensitivity of the eye to light.

Alternating current (AC)
Flow of electricity which cycles or alternates direction many times per second. The number of cycles per second is referred to as frequency. Most common frequency used in this country is 60 Hertz (cycles per second).

Ambient lighting
Background or fill light in a space.

Amperes (amps or A)
The unit of measurement of electric current.

Back lighting
The illumination provided for scenery in off-stage areas visible to the audience.

Baffle
An opaque or translucent element that serves to shield a light source from direct view at certain angles, or serves to absorb unwanted light.

Ballast
An auxiliary device consisting of induction windings wound around a metal core and sometimes includes a capacitor for power correction. It is used with fluorescent and HID lamps to provide the necessary starting voltage and to limit the current during operation.

"Batwing" distribution
Candlepower and distribution which serves to reduce glare and veiling reflections by having its maximum output in the 30° to 60° zone.

Candela
The unit of measurement of luminous intensity of a light source in a given direction.

Candlepower
Luminous intensity expressed in candelas.

Class "P" ballast
Contains a thermal protective device which deactivates the ballast when the case reaches a certain critical temperature. The device resets automatically when the case temperature drops to a lower temperature.

Coefficient of utilization (CU)
The ratio of the luminous flux (lumens) from a luminaire calculated as received on the work-plane to the luminous flux emitted by the luminaires lamps alone.

Color rendering index (CRI)
Measure of the degree of color shift objects undergo when illuminated by the light source as compared with the color of those same objects when illuminated by a reference source of comparable color temperature.

Color temperature
The absolute temperature of a blackbody radiator having a chromaticity equal to that of the light source.

Cone reflector
Parabolic reflector that directs light downward thereby eliminating brightness at high angles.

Contrast
The difference in brightness (luminance) of an object and its background.

Cove lighting
Lighting comprising sources shielded by a ledge or horizontal recess, and distributing light over the ceiling and upper wall.

Cutoff luminaires
Outdoor luminaires that restrict all light output to below 85° from vertical.

Direct current (DC)
Flow of electricity continuously in one direction from positive to negative.

Direct lighting
Lighting involving luminaires that distribute 90 to 100% of emitted light in the general direction of the surface to be illuminated. The term usually refers to light emitted in a downward direction.

Lighting glossary

Direct glare
Glare resulting from high luminances or insufficiently shielded light sources in the field of view. It usually is associated with bright areas, such as luminaires, ceilings and windows which are outside the visual tasks or region being viewed.

Discomfort glare
Glare producing discomfort. It does not necessarily interfere with visual performance or visibility.

Downlight
A small direct lighting unit which directs the light downward.

Efficacy
The ratio of lumens produced by a lamp to the watts consumed. Expressed as lumens per watt (LPW).

Fill Light
Illumination added to reduce shadows or contrast range.

Footcandle (FC)
The unit of illuminance when the foot is taken as the unit of length. It is the illuminance on a surface one square foot in area on which there is a uniformly distributed flux of one lumen.

Glare
The sensation produced by luminance within the visual field that is sufficiently greater than the luminance to which the eyes are adapted to cause annoyance, discomfort, or loss in visual performance and visibility.

High output fluorescent lamp
Operates at 800 or more milliamperes for higher light output than standard fluorescent lamp (430MA).

Instant start fluorescent lamp
A fluorescent lamp designed for starting by a high voltage without preheating of the electrodes.

Kelvin
Unit of measurement for color temperature. The Kelvin scale starts from absolute zero, which is -273° Celsius.

Kilowatt-hour (KWH)
Unit of electrical power consumed over a period of time.
KWH = watts/1000 x hours used.

Lamp lumen depreciation (LLD)
Multiplier factor in illumination calculations for reduction in the light output of a lamp over a period of time.

Louver
A series of baffles used to shield a source from view at certain angles or to absorb unwanted light. The baffles usually are arranged in a geometric pattern.

Low voltage lamps
Incandescent lamps that operate at 6 to 12 volts.

Lumen
The unit of luminous flux. It is the luminous flux emitted within a unit solid angle (one steradian) by a point source having a uniform luminous intensity of one candela.

Luminaire
A complete lighting unit consisting of a lamp or lamps together with the parts designed to distribute the light, to position and protect the lamps and to connect the lamps to the power supply.

Luminaire direct depreciation (LDD)
The multiplier to be used in illuminance provided by clean, new luminaires to the reduced illuminance that they will provide due to direct collection on the luminaires at the time at which it is anticipated that cleaning procedures will be instituted.

Luminaire efficiency
The ratio of luminous flux (lumens) emitted by a luminaire to that emitted by the lamp or lamps used.

Luminance
The amount of light reflected or transmitted by an object.

Lux
The metric unit of illuminance. One lux is one lumen per square meter (lm/m2).

Maintenance factor (MF)
A factor used in calculating illuminance after a given period of time and under given conditions. It takes into account temperature and voltage variations, dirt accumulation on luminaire and room surfaces, lamp depreciation, maintenance procedures and atmosphere conditions.

Overall length (OAL)
Maximum overall length of a light fixture.

Lighting glossary

Parabolic louvers
A grid of baffles which redirect light downward and provide very low luminaire brightness.

Photometry
The measurement of light quantities.

Point method lighting calculation
A lighting design procedure for predetermining the illuminance at various locations in lighting installations, by use of luminaire photometric data.

Power factor
Ratio of: Watts (volts x amperes) Power factor in lighting is primarily applicable to ballasts. Since volts and watts are usually fixed, amperes (or current) will go up as power factor goes down. This necessitates the use of larger wire sizes to carry the increased amount of current needed with Lowe Power Factor (L.P.F) ballasts. The addition of a capacitor to an L.P.F. ballast converts it to a H.P.F. ballast.

Reflection
Light bouncing off a surface. In specular reflection the light strikes and leaves a surface at the same angle. Diffuse reflected light leaves a surface in all directions.

Reflectance
Sometimes called reflectance factor. The ratio of reflected light to incident light (light falling on a surface). Reflectance is generally expressed in percent.

Reflected glare
Glare resulting from specular reflections of high luminances in polished or glossy surfaces in the field of view. It usually is associated with reflections from within a visual task or areas in close proximity to the region being viewed.

Reflector
A device used to redirect the light flow from a source by bouncing it off the surface.

Refraction
The process by which the direction of a ray of light changes as it passes obliquely from one medium to another in which its speed is different.

Room cavity ration (RCR)
A number indicating room cavity proportions calculated from length, width and height.

Spacing ratio
Ratio of the distance between luminaire centers to the mounting height above the work-plane for uniform illumination.

Spectral power distribution (SPD)
The output of a light source can be characterized by its relative power at each wavelength. The output is measured and is placed on a graph which shows power vs. wavelength, which then shows which wavelengths a particular light source is stronger or weaker in possessing.

Task lighting
Lighting directed to a specific surface or area that provides illumination for visual tasks.

Transformer
A device to raise or lower electric voltage.

Transmission
The passage of light through a material.

Veiling reflections
Regular reflections superimposed upon diffuse reflections from an object that partially or totally obscure the details to be seen by reducing the contrast. This is sometimes called reflected glare.

Visual comfort probability (VCP)
The rating of a lighting system expressed as a percent of people who, when viewing from the specified location and in a specified direction, will be expected to find it acceptable in terms of discomfort glare.

Visual field
The field of view that can be perceived when the head and eyes are kept fixed.

Wall wash lighting
A smooth even distribution of light over a wall.

Watt (W)
The unit for measuring electric power. It defines the power or energy consumed by an electrical device. The cost of operating an electrical device is determined by the watts it consumes times the hours or use. It is related to volts and amps by the following formula: Watts = Volts x Amps.

Zonal cavity method lighting calculation
A lighting design procedure used for predetermining the relation between the number and types of lamps or luminaires, the room characteristics, and the average illuminance on the work-plane. It takes into account both direct and reflected flux.

Technical lamp information

Lamp wattage	Lamp manu-facturer	Model # (add color temperature desired in space __)	Rated life* (hours)	Initial lumens at 25°C	Color temperature (varies by lamp manufacturer)°K	CRI	MOL length inches(mm)†	Electronic ballast (volts) availability *consult your representative on new ballast voltage availability
QT								
Quad 4-pin	GE	**F18DBX/8__/ECO4P**	12000	1250	**30**00, **35**00, **41**00	82	5.8"(147mm)	120, 277, 347
18	PHILIPS	**PL-C 18W/8__/ALTO**	12000	1250	**30**00, **35**00, **41**00	82	5-11/16"(144.5mm)	120, 277, 347
	OSRAM Sylvania	**CF18DD/E/8__**	12000	1150	**30**00, **35**00, **41**00	82	5.8"(147mm)	120, 277, 347
TTT								
Triple Tube 4-pin	GE	**F32TBX/8__/A/ECO**	12000	2400	**30**00, **35**00, **41**00	82	5.5"(140mm)	120, 277, 347
32	PHILIPS	**PL-T 32W/8__/4P/ALTO**	16000	2400	**30**00, **35**00, **41**00	82	5-5/8"(143mm)	120, 277, 347
	OSRAM Sylvania	**CF32DT/E/IN/8__/ECO**	12000	2328	**30**00, **35**00, **41**00	82	5.6"(142mm)	120, 277, 347
Triple Tube 4-pin	GE	**F42TBX/8__/A/ECO**	12000	3200	**30**00, **35**00, **41**00	82	6.4"(163mm)	120, 277, 347
42	PHILIPS	**PL-T 42W/8__/4P/ALTO**	16000	3200	**30**00, **35**00, **41**00	82	6-3/8"(162mm)	120, 277, 347
	OSRAM Sylvania	**CF42DT/E/IN/8__/ECO**	12000	3104	**30**00, **35**00, **41**00	82	6.5"(163mm)	120, 277, 347
TT5								
Rapid	GE	**F18BXSPX__/RS**	20000	1250	**30**00, **35**00, **41**00	82	10.5"(267mm)	120, 277, 347
Start	PHILIPS	**PL-L18W/8__/4P**	15000	1250	**30**00, **35**00, **41**00	82	8-15/16"(227mm)	120, 277, 347
18	OSRAM Sylvania	**FT18DL/8__/RS/ECO**	20000	1250	**30**00, **35**00, **41**00	82	10.5"(267mm)	120, 277, 347
Preheat	GE	**F27/BX/SPX__**	12000	1800	**30**00, **35**00, **41**00	82	12.8"(325mm)	120, 277, 347
24/27	PHILIPS	**PL-L 24W/8__/4P**	15000	1800	**30**00, **35**00, **41**00	82	12.11/16"(322mm)	120, 277, 347
	OSRAM Sylvania	**FT24DL/8__/ECO**	12000	1800	**30**00, **35**00, **41**00	82	12.9"(329mm)	120, 277, 347
Rapid	GE	**F40/30BX/SPX__**	20000	3150	**30**00, **35**00, **41**00	82	22.5"(572mm)	120, 277, 347
Start	PHILIPS	**PL-L 40W/8__/4P/RS/IS**	20000	3300	**30**00, **35**00, **41**00	82	22.5"(572mm)	120, 277, 347
40	OSRAM Sylvania	**FT40DL/__/RS/ECO**	20000	3150	**30**00, **35**00, **41**00	82	22.5" (572mm)	120, 277, 347
Rapid	GE	**F50BX/SPX__/RS**	14000	4000	**30**00, **35**00, **41**00	82	22.5"(572mm)	120, 277, 347
Start	PHILIPS	**PL-L50W/8__/4P/RS**	20000	4300	**30**00, **35**00, **41**00	82	22.5"(572mm)	120, 277, 347
50	OSRAM Sylvania	**FT50DL/8__/RS/ECO**	14000	4300	**30**00, **35**00, **41**00	82	22.5"(572mm)	120, 277, 347
Rapid	GE	**F55BX/8__**	10000	4800	**30**00, **35**00, **41**00	82	20.7"(526mm)	120, 277, 347
Start	PHILIPS	**PL-L55W/841/4P/RS**	20000	4800	**41**00	82	22.5"(572mm)	120, 277, 347
55	OSRAM Sylvania	**FT55DL/8__/ECO**	12000	4800	**30**00, **35**00, **41**00	82	21.1"(535mm)	120, 277, 347
T8U6								
6"	GE	**F32T8/SPX__/U6/ECO**	20000	2800	**30**00, **35**00, **41**00	86	22.5"(572mm)‡	120, 277, 347
	PHILIPS	**FB32T8/TL__/6/ALTO**	20000	2750	**30**00, **35**00, **41**00	85	22.5"(572mm)‡	120, 277, 347
32	OSRAM Sylvania	**FB032/8__/6/ECO**	20000	2850	**30**00, **35**00, **41**00	82	22.5" (572mm)‡	120, 277, 347
T8U 1-5/8"								
1-5/8"	GE	**F31T8/SPX__/U/ECO**	20000	2725	**30**00, **35**00, **41**00	85	22.5"(572mm)‡	120, 277, 347
	PHILIPS	**FB31/T8/TL__/ALTO**	24000	2775	**30**00, **35**00, **41**00	85	22.5"(572mm)‡	120, 277, 347
31	OSRAM Sylvania	**FB031/8__**	20000	2725	**30**00, **35**00, **41**00	82	22.5"(572mm)‡	120, 277, 347
Linear T8								
	GE	**F17T8/SPX__/ECO**	15000	1350	**30**00, **35**00, **41**00	86	24"(610mm)‡	120, 277, 347
	PHILIPS	**F17T8__/ALTO**	24000	1400	**35**00, **41**00	85	24"(610mm)‡	120, 277, 347
17	OSRAM Sylvania	**FO17/18__ /ECO**	20000	1350	**30**00, **35**00, **41**00	82	24"(610mm)‡	120, 277, 347
	GE	**F25T8/SPX__/ECO**	15000	2150	**30**00, **35**00, **41**00	86	36"(914mm)‡	120, 277, 347
	PHILIPS	**F25T8/TL8__/ALTO**	24000	2225	**35**00, **41**00	85	36"(914mm)‡	120, 277, 347
25	OSRAM Sylvania	**FO25/8__/ECO**	20000	2150	**30**00, **35**00, **41**00	82	36"(914mm)‡	120, 277, 347
	GE	**F32T8/SPX__/ECO**	21000	2950	**30**00, **35**00, **41**00	86	48"(1220mm)‡	120, 277, 347
	PHILIPS	**F32T8/TL8__/ALTO**	24000	2950	**30**00, **35**00, **41**00	85	48"(1220mm)‡	120, 277, 347
32	OSRAM Sylvania	**FO32/8__/ECO**	20000	2950	**30**00, **35**00, **41**00	85	48"(1220mm)‡	120, 277, 347
Linear T5								
	GE	**F14W/T5/8__/ECO**	30000	1230	**30**00, **35**00, **41**00	85	21.6" (548.6mm)‡	120, 277, 347
Stand. T5	PHILIPS	**F14T5/8__/ALTO**	25000	1200	**30**00, **35**00, **41**00	85	21.6"(548.6mm)‡	120, 277, 347
14	OSRAM Sylvania	**FP14/8__/ECO**	20000	1200	**30**00, **35**00, **41**00	85	21.6"(548.6mm)‡	120, 277, 347
T5	GE	**F24W/T5/8__/ECO**	30000	1750	**30**00, **35**00, **41**00	85	21.6"(548.6mm)‡	120, 277, 347
High output	PHILIPS	**F24T5/8__/HO/ALTO**	25000	1800	**30**00, **35**00, **41**00	85	21.6"(548.6mm)‡	120, 277, 347
24	OSRAM Sylvania	**FP24/8__/HO/ECO**	20000	1760	**30**00, **35**00, **41**00	85	21.6"(548.6mm)‡	120, 277, 347
	GE	**F28W/T5/8__/ECO**	30000	2640	**30**00, **35**00, **41**00	85	45.2" (1148mm)‡	120,277,347
Stand.T5	PHILIPS	**F28T5/8__/ALTO**	25000	2600	**30**00, **35**00, **41**00	85	45.2"(1148mm)‡	120, 277, 347
28	OSRAM Sylvania	**FP28/8__/ECO**	20000	2600	**30**00, **35**00, **41**00	85	45.2"(1148mm)‡	120, 277, 347
T5	GE	**F54W/T5/8__/ECO**	30000	4460	**30**00, **35**00, **41**00	85	45.2" (1148mm)‡	120, 277, 347
High output	PHILIPS	**F54T5/8__/HO/ALTO**	25000	4500	**30**00, **35**00, **41**00	85	45.2"(1148mm)‡	120, 277, 347
54	OSRAM Sylvania	**FP54/8__/HO/ECO**	25000	4450	**30**00, **35**00, **41**00	85	45.2"(1148mm)‡	120, 277, 347

Lamp chart is to be used as a guide only. Check lamp/ballast manufacturer data for exact specifications.

*Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. †Nominal length

Technical lamp information

Philips

Watts	Bulb	Initial lumens	Rated life (hours)
General service incandescent lamps			
40W	A19/FROST	495	1500
60W	A19/FROST	890	1000
75W	A19/FROST	1150	750
100W	A19/FROST	1600	750
150W	A21/FROST	2700	750
200W	A23/FROST	3800	750
300W	PS25/FROST	6300	750
Halogen general service lamps			
60W	BT15 (WHITE)	840	3000
75W	BT15 (WHITE)	1120	3000
100W	BT15 (WHITE)	1670	3000
150W	BT15 (WHITE)	2650	3000
Halogen tubular (T) lamps			
50W	T4/CLR/MINI CAN	500	1000
75W	T4/CLR/MINI CAN	1050	1000
100W	T4/CLR/MINI CAN	1600	1000
150W	T4/CLR/MINI CAN (ETH)	2800	1000
150W	T4/CLR/DC.BAY	2800	1000
250W	T4/CLR/MINI CAN	5000	1000
250W	T4/CLR/DC.BAY	5000	1000
500W	T4/CLR/MINI CAN	10000	2000
Halogen tubular (T) linear lamps (double end)			
100W	T3/Clear/RSC	1400	2000
150W	T3/Clear/RSC	2400	2000
250W	T3/Clear/RSC	4000	1500
300W	T3/Clear/RSC	5200	2000
500W	T3/Clear/RSC	9500	2000
Projector (PAR) halogen lamps (See accent lighting data for beam spread and CBCP)			
45W	PAR16	420	3000
60W	PAR16	580	3000
50W	PAR20	530	3000
50W	PAR30S	610	3500
60W	PAR30S	800	3000
75W	PAR30S	1050	3500
50W	PAR30L	590	3000
75W	PAR30L	1000	3000
40W	PAR30S IR	720	4200
50W	PAR30S IR	970	4200
60W	PAR30S IR	1140	4200
45W	PAR38	530	3000
60W	PAR38	800	3000
75W	PAR38	1050	3000
90W	PAR38	1350	3000
45W	PAR38S IR	720	4200
50W	PAR38S IR	970	4200
60W	PAR38S IR	1120	4200
70W	PAR38S IR	1550	4200
100W	PAR38S IR	2200	4200

Energy efficient alternative to standard Halogen PAR lamps

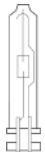
Watts	Bulb (base)	Initial	Rated life (hours)
Low voltage projector lamps			
MR16	(See Accent Lighting data)		
PAR36	(See Accent Lighting data)		
AR111	(See Accent Lighting data)		
20W(12V)	T3/Clear (G4)	320	2000
35W(12V)	T4/Clear (GY6.35)	600	2000
50W(12V)	T4/Clear (GY6.35)	800	2000
75W(12V)	T4/Clear (GY6.35)	1100	2000
Reflector (BR/R/ER) lamps			
30W	R20	205	2000
45W	ER30	340	2500
65W	BR30	635	2000

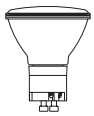
Philips

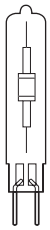
Watts	Description	ANSI ballast code	Base	Rated life (hours)	Initial lumens	Color temp (Kelvin)	CR
High wattage pulse-start ceramic metal halide							
175	BD17/Clear	M57/E	Med	10,000	13,500	4,000	65
175	ED28/Clear	M57/E	Mog	10,000	13,500	4,000	65
250	ED28/Clear	M58/E	Mog	10,000	20,500	4,000	65
400	ED37/Clear	M59/E	Mog	20,000	36,000	4,000	65
1000	BT56/Clear	M47/S	Mog	12,000	110,000	3,700	65
1500	BT56/Clear	M48/E	Mog	3,000	155,000	3,700	60
High wattage pulse-start ceramic metal halide							
250	ED28/Clear	M153/O/EX39	Mog	24,000	22,500	4,200	90
320	ED28/Clear	M170/M132/O/EX39	Mog	24,000	28,800	4,200	90
400	ED37/Clear	M172/M155/O/EX39	Mog	24,000	36,000	4,200	90

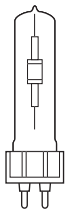
Lamp data shown is to be used as a guide only. Lamp manufacturer data at time of publication. Check lamp manufacturer data for other model enquiries and/or exact specifications.

Technical lamp information









Watts	Description		ANSI Ballast code	Base	Rated life (hours)	Initial lumens	CBCP	Beam spread	Color temp (Kelvin)	CRI
Ceramic metal halide Mini MasterColor										
22	T3.5	Philips	C175/E	PGJ5	12000	1650			3000	85
39	T3.5	Philips	C179/E	PGJ5	9000	3000			3000	90
Ceramic metal halide MR16 lamps										
20	MR16WFL	GE	M156	GX10	12000	1000	1500	40°	3000	81
20	MR16FL	GE	M156	GX10	12000	1000	2900	25°	3000	81
20	MR16SP	GE	M156	GX10	12000	1000	9000	12°	3000	81
20	MR16FL	Philips	C156/C175/0	GX10	12000	1080	3500	25°	3000	85
20	MR16SP	Philips	C156/C175/0	GX10	12000	1080	11000	10°	3000	85
20	MR16WFL	Philips	C156/C175/0	GX10	12000	1080	1700	40°	3000	85
39	MR16WFL	GE	M130	GX10	10000	2100	3000	40°	3000	90
39	MR16FL	GE	M130	GX10	10000	2100	5500	25°	3000	90
39	MR16SP	GE	M130	GX10	10000	2100	16000	12°	3000	90
39	MR16WFL	GE	M130	GX10	12000	2100	3000	40°	4000	92
39	MR16FL	GE	M130	GX10	12000	2100	5500	25°	4000	92
39	MR16SP	GE	M130	GX10	12000	2100	16000	12°	4000	92
Ceramic metal halide GU6.5 lamps										
20	T4	GE	M156	GU6.5	12000	1615			3000	81
20	T4	Philips	M156	GU6.5	15000	1800			3000	85
20	T4	Os/SYL	C156/E	GU6.5	12000	1700			3000	82
39	T4	GE	M130	GU6.5	10000	3400			3000	88
39	T4	GE	M130	GU6.5	12000	3400			4000	90
Ceramic metal halide G8.5 lamps										
20	T4.5	Os/SYL	M156/E	G8.5	15000	1700			3000	83
20	T4.5	GE	M156	G8.5	12000	1650			3000	81
39	T4.5	GE	M130	G8.5	15000	3400			3000	84
39	T4.5	GE	M130	G8.5	12000	3150			4200	88
39	T4	Philips	M130/E	G8.5	10000	3300			3000	81
39	T4	Philips	M130/E	G8.5	10000	3300			4200	85
39	T4.5	Os/SYL	M130/E	G8.5	15000	3400			3300	82
70	T4.5	GE	M139/C139	G8.5	15000	6200			3000	83
70	T4.5	GE	M139/C139	G8.5	15000	6000			4200	90
70	T4	Philips	M139/E	G8.5	10000	6400			3000	83
70	T4	Philips	M139/E	G8.5	10000	5900			4200	90
70	T4.5	Os/SYL	M139/E, M98/E	G8.5	15000	6300			3000	95
Ceramic metal halide G12 lamps										
20	T4.5	GE	M156	G12	12000	1600			3000	81
20	T6	Philips	M156	G12	12000	1650			3000	85
39	T4.5	GE	M130	G12	15000	3400			3000	84
39	T6	Philips	M130/E	G12	12000	3300			3000	81
39	T6	Os/SYL	M130/E	G12	15000	3400			3000	82
39	T4.5	GE	M130	G12	12000	3150			4200	88
39	T6	Philips	M130/E	G12	12000	3300			4200	84
39	T6	Os/SYL	M130/E	G12	15000	3300			4200	90
70	T6	GE	M139/C139	G12	15000	6200			3000	83
70	T6	GE	M139/C139	G12	15000	6000			4200	93
70	T6	Philips	M139/E	G12	12000	6600			3000	81
70	T6	Philips	M139/E	G12	12000	6600			4200	92
70	T6	Os/SYL	M98/E, M139/E	G12	15000	7000			3000	87
70	T6	Os/SYL	M98/E, M139/E	G12	15000	6700			4200	93
150	T6	GE	M102/M142	G12	12000	14000			3000	82
150	T6	GE	M102/M142	G12	12000	13000			4200	94
150	T6	Philips	M142/E	G12	12000	14000			3000	85
150	T6	Philips	M142/E	G12	12000	12700			4200	96
150	T7.5	Os/SYL	M102/E, M142/E	G12	15000	15500			3000	89
150	T7.5	Os/SYL	M102/E, M142/E	G12	15000	14500			4200	95

Lamp data show is to be used as a guide only. Lamp manufacturer data at time of publication.

Check lamp manufacturer data for other model enquiries and/or exact specifications.

Technical lamp information

Watts	Description		ANSI Ballast code	Base	Rated life (hours)	Initial lumens	CBCP	Beam spread	Color temp (Kelvin)	CRI
Ceramic metal halide PAR lamps										
20	PAR20 FL	GE	M156	Medium	12000	1000	3750	25°	3000	81
20	PAR20 SP	GE	M156	Medium	12000	1000	13000	8°	3000	81
22	PAR20 FL	Philips	C156/C175/0	Medium	9000	980	2800	30°	3000	81
22	PAR20 SP	Philips	C156/C175/0	Medium	9000	940	11000	10°	3000	81
20	PAR20 FL	Os/SYL	C156/0	Medium	12000	900	2650	30°	3000	82
20	PAR20 SP	Os/SYL	C156/0	Medium	12000	900	15000	8°	3000	82
39	PAR20 FL	GE	M130	Medium	10000	2100	7500	25°	3000	85
39	PAR20 SP	GE	M130	Medium	10000	2100	22000	10°	3000	85
39	PAR20 FL	Philips	M130/0	Medium	9000	2000	5000	30°	3000	81
39	PAR20 SP	Philips	M130/0	Medium	9000	2000	23000	10°	3000	81
39	PAR20 FL	Os/SYL	M130	Medium	12000	2000	5000	30°	3000	87
39	PAR20 SP	Os/SYL	M130	Medium	12000	2000	20000	10°	3000	87
39	PAR20 FL	GE	M130	Medium	10000	1950	6950	25°	4200	90
39	PAR20 SP	GE	M130	Medium	10000	1950	19450	10°	4200	90
39	PAR20 FL	Philips	M130/0	Medium	6000	1950	5000	30°	4000	92
39	PAR20 FL	Philips	M130/0	Medium	6000	1950	21500	10°	4000	92
39	PAR20 FL	Os/SYL	C130/0	Medium	12000	1850	4000	30°	4200	90
39	PAR20 SP	Os/SYL	C130/0	Medium	12000	1850	16000	10°	4200	90
20	PAR30L FL	GE	M156	Medium	12000	1200	4900	25°	3000	81
20	PAR30L SP	GE	M156	Medium	12000	1200	14500	15°	3000	81
20	PAR30L SP	GE	M156	Medium	12000	1200	19800	10°	3000	81
22	PAR30L FL	Philips	C156/C175/0	Medium	9000	1200	3300	30°	3000	81
22	PAR30L SP	Philips	C156/C175/0	Medium	9000	1200	20000	10°	3000	81
20	PAR30L FL	Os/SYL	C156/0	Medium	12000	1200	4000	30°	3100	82
20	PAR30L SP	Os/SYL	C156/0	Medium	12000	1200	21000	10°	3100	82
39	PAR30L FL	GE	M130	Medium	10000	2400	11000	25°	3000	81
39	PAR30L SP	GE	M130	Medium	10000	2400	39600	15°	3000	81
39	PAR30L FL	Philips	M130/0	Medium	9000	2200	7400	30°	3000	81
39	PAR30L SP	Philips	M130/0	Medium	9000	2200	44000	10°	3000	81
39	PAR30 VWFL	Os/SYL	C130/0	Medium	12000	2300	3500	46°	3000	85
39	PAR30 FL	Os/SYL	C130/0	Medium	12000	2300	8000	30°	3000	85
39	PAR30 SP	Os/SYL	C130/0	Medium	12000	2300	39600	10°	3000	85
39	PAR30 FL	GE	M130	Medium	10000	2225	10200	25°	4200	89
39	PAR30 SP	GE	M130	Medium	10000	2225	26900	15°	4200	89
39	PAR30 NSP	GE	M130	Medium	10000	2225	36700	10°	4200	89
39	PAR30 FL	Os/SYL	C130/0	Medium	12000	2200	7500	30°	4200	90
39	PAR30 SP	Os/SYL	C130/0	Medium	12000	2200	36000	10°	4200	90
70	PAR30L FL	GE	M98/M138	Medium	13000	4700	10000	40°	3000	82
70	PAR30L SP	GE	M98/M138	Medium	13000	4700	43000	15°	3000	82
70	PAR30L FL	Philips	M143/M98/0	Medium	1000	5000	10000	40°	3000	83
70	PAR30L SP	Philips	M143/M98/0	Medium	11000	5000	6800	10°	3000	83
70	PAR30 VWFL	Os/SYL	M98	Medium	12000	3400	5000	46°	3000	95
70	PAR30L FL	Os/SYL	M98	Medium	12000	3600	12000	30°	3000	95
70	PAR30L SP	Os/SYL	M98	Medium	12000	3600	42000	12°	3000	95
70	PAR30L FL	Philips	M139/0	Medium	9000	4300	9000	40°	4300	94
70	PAR30L SP	Philips	M139/0	Medium	9000	4300	6300	10°	4300	94
70	PAR30L FL	Os/SYL	C139/0	Medium	12000	4000	13000	27°	4200	90
70	PAR30L SP	Os/SYL	C139/0	Medium	12000	4000	70000	9°	4200	90

Lamp data show is to be used as a guide only. Lamp manufacturer data at time of publication.
Check lamp manufacturer data for other model enquiries and/or exact specifications.

Technical lamp information

Watts	Description		ANSI Ballast code	Base	Rated life (hours)	Initial lumens	CBCP	Beam spread	Color temp (Kelvin)	CRI
Ceramic metal halide PAR lamps										
70	PAR38 FL	GE		Medium	10000	4800	14000	40°	3000	82
70	PAR38 SP	GE		Medium	10000	4800	40000	15°	3000	82
70	PAR38 FL	Philips		Medium	12500	4100	18000	25°	3000	85
70	PAR38 SP	Philips		Medium	12500	4100	42000	15°	3000	85
70	PAR38 FL	Philips	M143/M98/0	Medium	12500	3700	15000	25°	4000	92
70	PAR38 SP	Philips	M143/M98/0	Medium	12500	3700	40000	15°	4000	92
70	PAR38 VWFL	Os/SYL	C98/0 C139/0	Medium	15000	4300	3500	65°	3000	88
70	PAR38 FL	Os/SYL	C98/0 C139/0	Medium	15000	4300	16000	25°	3000	88
70	PAR38 SP	Os/SYL	C98/0 C139/0	Medium	15000	4300	35000	65°	3000	88
100	PAR38 FL	GE		Medium	10000	6500	15000	25°	3000	81
100	PAR38 SP	GE		Medium	10000	6500	45000	15°	3000	81
100	PAR38 FL	Philips		Medium	12500	6200	24000	25°	3000	85
100	PAR38 SP	Philips		Medium	12500	6200	65000	15°	3000	85
100	PAR38 VWFL	Os/SYL	C90/0 C140/0	Medium	15000	6500	6000	60°	3000	88
100	PAR38 FL	Os/SYL	C90/0 C140/0	Medium	15000	6500	25000	25°	3000	88
100	PAR38 SP	Os/SYL	C90/0 C140/0	Medium	15000	6500	58000	15°	3000	88
100	PAR38 FL	Philips	M140/M90/0	Medium	12500	5700	19000	25°	4000	92
100	PAR38 SP	Philips	M140/M90/0	Medium	12500	5700	52000	15°	4000	92

Medium wattage high pressure sodium lamps

Watts	Description	ANSI Ballast code	Rated life (hours)	Initial lumens	Color temp (Kelvin)	CRI
Philips						
70	BD17/MED/CLR	S62	24000+	6300	2100	21
70	ED23-1/2/MOG/CLR	S62	24000+	6500	2100	21
100	BD17/MED/CLR	S54	24000+	9500	2100	21
100	ED23-1/2/MOG/CLR	S54	24000+	9400	2100	21
150	ED23-1/2/MOG/CLR	S55	24000+	15800	2100	21
GE						
70	B17/MED/CLR	S62	24000+	6400	1900	22
70	ED23-1/2/MOG/CLR	S62	24000+	6400	1900	22
100	B17/MED/CLR	S54	24000+	9500	2000	22
100	ED23-1/2/MOG/CLR	S54	24000+	9500	2000	22
150	ED23-1/2/MOG/CLR	S55	24000+	16000	2000	22
Osram-Sylvania						
70	E17/MED/CLR	S62	24000+	6300	1900	22
70	ET23.5/MOG/CLR	S62	24000+	6300	1900	22
100	E17/MED/CLR	S54	24000+	9500	2100	22
100	ET23.5/MOG/CLR	S54	24000+	9500	2100	22
150	ET23.5/MOG/CLR	S55	24000+	16000	2100	2

Lamp data show is to be used as a guide only. Lamp manufacturer data at time of publication.
Check lamp manufacturer data for other model enquiries and/or exact specifications.

Technical lamp information

High intensity discharge lamps

The following is a selection of ceramic metal halide lamps that may be used in Philips Lightolier HID lighting fixtures. "Enclosed" rated ceramic metal halide lamps will not operate in "Open Rated" lighting fixtures. Only "Open Rated" ceramic metal halides will operate in "Open Rated" lighting fixtures.

Medium wattage ceramic metal halide lamps

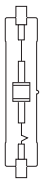
Watts	Description		ANSI Ballast code	Base	Rated life (hours)	Initial lumens	Color temp (Kelvin)	CRI
Ceramic metal halide ED17 (open rated) lamps								
70	ED17P	GE Clear	M143/M98/0	Medium	15000	5700	3000	80
70	ED17P	GE Coated	M143/M98/0	Medium	15000	5700	3000	80
70	ED17P	GE Clear	M143/M98/0	Medium	15000	5500	4000	90
70	ED17P	GE Coated	M143/M98/0	Medium	15000	5200	4000	90
70	ED17P	Philips Clear	M143/M98/0	Medium	20000	5900	3000	85
70	ED17P	Philips Coated	M143/M98/0	Medium	20000	5400	3000	85
70	ED17P	Philips Clear	M143/M98/0	Medium	24000	5800	4000	92
70	ED17P	Philips Coated	M143/M98/0	Medium	24000	5200	4000	92
70	E17	Sylvania Clear	M98/M139/0	Medium	20000	5900	3000	88
70	E17	Sylvania Coated	M98/M139/0	Medium	20000	5500	3000	88
70	E17	Sylvania Clear	M98/M139/0	Medium	20000	6000	4000	93
70	E17	Sylvania Coated	M98/M139/0	Medium	20000	5600	3800	93
100	ED17P	Philips Clear	M140/M90/0	Medium	20000	8600	3000	85
100	ED17P	Philips Coated	M140/M90/0	Medium	20000	7900	3000	85
100	ED17P	Philips Clear	M140/M90/0	Medium	24000	8200	4000	92
100	ED17P	Philips Coated	M140/M90/0	Medium	24000	7500	4000	92
100	E17	Sylvania Clear	M90/M140/0	Medium	20000	9000	3000	88
100	E17	Sylvania Coated	M90/M140/0	Medium	20000	8100	3000	88
100	E17	Sylvania Clear	M90/M140/0	Medium	20000	8200	4000	93
100	E17	Sylvania Coated	M90/M140/0	Medium	20000	7500	4000	90
150	ED17P	GE Clear	M102/M142/0	Medium	12000	12900	3000	80
150	ED17P	GE Coated	M102/M142/0	Medium	12000	11900	3000	80
150	ED17P	GE Clear	M102/M142/0	Medium	15000	12000	4200	90
150	ED17P	GE Coated	M102/M142/0	Medium	15000	11000	4200	90
150	ED17P	Philips Clear	M102/M142/0	Medium	20000	12900	3000	85
150	ED17P	Philips Coated	M102/M142/0	Medium	20000	11900	3000	85
150	ED17P	Philips Clear	M102/M142/0	Medium	24000	12000	4000	92
150	ED17P	Philips Coated	M102/M142/0	Medium	24000	11000	4000	92
150	E17	Sylvania Clear	M102/C102/0	Medium	20000	13000	3000	88
150	E17	Sylvania Coated	M102/C102/0	Medium	20000	12000	3000	88
Ceramic metal halide ED17 (enclosed) lamps								
70	BD17	GE Clear	M98/M139	Medium	15000	6300	3000	80
70	BD17	GE Coated	M98/M139	Medium	15000	6000	3000	80
70	ED17	Philips Clear	M143/M98/E	Medium	20000	6200	3000	85
70	ED17	Philips Coated	M143/M98/E	Medium	20000	5800	3000	85
70	ED17	Philips Clear	M143/M98/E	Medium	24000	5900	4000	92
70	ED17	Philips Coated	M143/M98/E	Medium	24000	5500	4000	92
100	BD17	GE Clear	M90/M140	Medium	10000	9200	3000	83
100	BD17	GE Coated	M90/M140	Medium	10000	8700	3000	83
100	ED17	Philips Clear	M140/M90/E	Medium	20000	9500	3000	85
100	ED17	Philips Coated	M140/M90/E	Medium	20000	8800	3000	85
100	ED17	Philips Clear	M140/M90/E	Medium	24000	9000	4000	92
100	ED17	Philips Coated	M140/M90/E	Medium	24000	8400	4000	92
150	ED17	Philips Clear	M102/M142/E	Medium	20000	14000	3000	85
150	ED17	Philips Coated	M102/M142/E	Medium	20000	12500	3000	85
150	ED17	Philips Clear	M102/M142/E	Medium	24000	13000	4000	92
150	ED17	Philips Coated	M102/M142/E	Medium	24000	12000	4000	92

Lamp data show is to be used as a guide only. Lamp manufacturer data at time of publication.

Check lamp manufacturer data for other model enquiries and/or exact specifications.

Technical lamp information

Metal halide lamp data



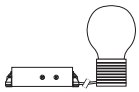
Watts	Description		ANSI Ballast code	Base	Rated life (hours)	Initial lumens	Color temp (Kelvin)	CRI
Ceramic metal halide tubular double-ended								
70	TD-6	GE	M139/M85	RX7s	15000	7000	3000	81
70	TD-6	GE	M139/M85	RX7s	15000	7000	4200	88
70	TD-6	Philips	M139/M85/E	RX7s	15000	6500	3000	82
70	TD-6	Philips	M139/M85/E	RX7s	15000	6000	4200	92
70	T-6	Sylvania	M139/E, M85/E, M98/E	RX7s	12000	6900	3000	88
150	TD-7	GE	M142/M81	RX7s	15000	14000	3000	80
150	TD-7	GE	M142/M81	RX7s	15000	14000	4200	93
150	TD-7	Philips	M142/M102/M81E	RX7s	15000	13250	3000	88
150	TD-7	Philips	M142/M102/M81E	RX7s	15000	14200	4200	96
150	T-7.5	Sylvania	M102/E, M142/E, M81/E	RX7s	12000	14800	3000	91

Venture

Watts	Description		ANSI Ballast code	Base	Rated life (hours)	Initial lumens	Color temp (Kelvin)	CRI
250	T-16	Venture	M58/E	Mogul	10000	21000	4000	65
400	T-15	Venture	M59/E	Mogul	15000	36000	4000	65

Induction "QL" lamp data

Philips



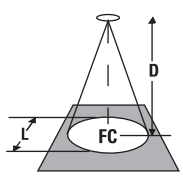
Watts	Bulb	Base	Rated life (hours)	Initial lumens	Color temp (Kelvin)	CRI
55	P25	Twist	100000	3500	3000	80
55	P25	Twist	100000	3500	4000	80
55	P25	Twist	100000	3500	5000	80
85	P35	Twist	100000	6000	3000	80
85	P35	Twist	100000	6000	4000	80
85	P35	Twist	100000	6000	5000	80
165	P41	Twist	100000	12000	3000	80
165	P41	Twist	100000	12000	4000	80
165	P41	Twist	100000	12000	5000	80

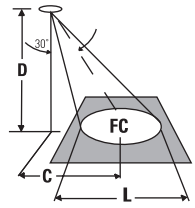
Lamp data show is to be used as a guide only. Lamp manufacturer data at time of publication.
Check lamp manufacturer data for other model enquiries and/or exact specifications.

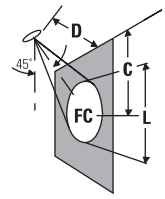
Accent lighting performance data

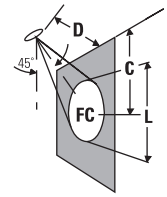
(FC) is initial footcandles at center of beam. Beam length **(L)** and beam width **(W)** are to where the candlepower is reduced to 50% of the center beam candlepower. **CBCP** is center beam candlepower. **(C)** is distance to the center of the beam.

Lamp data shown is typical, and is based on bare lamp photometrics. Contact lamp manufacturers for availability and performance.









Lamps	Beam spread (to 50% CBCP)	CBCP	Rated life (hours)	0° Aiming angle D	FC	L	W	30° Aiming angle D	C	FC	L	W	30° Aiming angle D	C	FC	L	W	45° Aiming angle D	C	FC	L	W
MR16 Low voltage halogen bi-pin lamps																						
20W MR16 VNSP	7°	7400	3000	7'	151	0.9'	0.9'	6'	3.5'	134	1.0'	0.8'	2'	3.5'	231	1.0'	0.5'	4'	4.0'	164	1.0'	0.7'
				10'	74	1.2'	1.2'	9'	5.2'	59	1.5'	1.3'	3'	5.2'	103	1.5'	0.7'	6'	6.0'	73	1.5'	1.0'
				13'	44	1.6'	1.6'	12'	6.9'	33	2.0'	1.7'	4'	6.9'	58	2.0'	1.0'	8'	8.0'	41	2.0'	1.4'
				16'	29	2.0'	2.0'	15'	8.7'	21	2.4'	2.1'	5'	8.7'	37	2.5'	1.2'	10'	10.0'	26	2.5'	1.7'
20W MR16 NSP	15°	3750	5000	6'	104	1.6'	1.6'	5'	2.9'	97	1.8'	1.5'	2'	3.5'	117	2.2'	1.1'	3'	3.0'	147	1.6'	1.1'
				8'	59	2.1'	2.1'	7'	4.0'	50	2.5'	2.1'	3'	5.2'	52	3.3'	1.6'	5'	5.0'	53	2.7'	1.9'
				10'	38	2.6'	2.6'	9'	5.2'	30	3.2'	2.7'	4'	6.9'	29	4.4'	2.1'	7'	7.0'	27	3.8'	2.6'
				12'	26	3.2'	3.2'	11'	6.4'	20	3.9'	3.3'	5'	8.7'	19	5.6'	2.6'	9'	9.0'	16	4.8'	3.4'
20W MR16 FL	40°	525	5000	2'	131	1.5'	1.5'	2'	1.2'	85	2.0'	1.7'	1'	1.7'	66	4.8'	1.5'	2'	2.0'	46	3.4'	2.1'
				3'	58	2.2'	2.2'	3'	1.7'	38	3.0'	2.5'	2'	3.5'	16	9.7'	2.9'	3'	3.0'	21	5.0'	3.1'
				4'	33	2.9'	2.9'	4'	2.3'	21	4.1'	3.4'	3'	5.2'	7	14.5'	4.4'	4'	4.0'	12	6.7'	4.1'
				5'	21	3.6'	3.6'	5'	2.9'	14	5.1'	4.2'	4'	6.9'	4	19.3'	5.8'	5'	5.0'	7	8.4'	5.1'
37W MR16 IR SP	10°	13100	4000	8'	205	1.4'	1.4'	7'	4.0'	174	1.6'	1.4'	3'	5.2'	182	2.1'	1.0'	5'	5.0'	185	1.8'	1.2'
				12'	91	2.1'	2.1'	10'	5.8'	85	2.3'	2.0'	4'	6.9'	102	2.9'	1.4'	7'	7.0'	95	2.5'	1.7''
				16'	51	2.8'	2.8'	13'	7.5'	50	3.0'	2.6'	5'	8.7'	66	3.6'	1.7'	9'	9.0'	57	3.2'	2.2'
				20'	33	3.5'	3.5'	16'	9.2'	33	3.7'	3.2'	6'	10.4'	45	4.3'	2.1'	11'	11.0'	38	3.9'	2.7'
37W MR16 IR NFL	25°	4600	4000	6'	128	2.7'	2.7'	5'	2.9'	120	3.0'	2.6'	2'	3.5'	144	4.2'	1.8'	3'	3.0'	181	2.8'	1.9'
				8'	72	3.5'	3.5'	7'	4.0'	61	4.2'	3.6'	3'	5.2'	64	6.2'	2.7'	5'	5.0'	65	4.7'	3.1'
				10'	46	4.4'	4.4'	9'	5.2'	37	5.4'	4.6'	4'	6.9'	36	8.3'	3.5'	7'	7.0'	33	6.5'	4.4'
				12'	32	5.3'	5.3'	11'	6.4'	25	6.6'	5.6'	5'	8.7'	23	10.4'	4.4'	9'	9.0'	20	8.4'	5.6'
37W MR16 IR FL	40°	2500	4000	4'	156	2.9'	2.9'	3'	1.7'	180	3.0'	2.5'	1'	1.7'	313	4.8'	1.5'	3'	3.0'	98	5.0'	3.1'
				6'	69	4.4'	4.4'	5'	2.9'	65	5.1'	4.2'	2'	3.5'	78	9.7'	2.9'	4'	4.0'	55	6.7'	4.1'
				8'	39	5.8'	5.8'	7'	4.0'	33	7.1'	5.9'	3'	5.2'	35	14.5'	4.4'	5'	5.0'	35	8.4'	5.1'
				10'	25	7.3'	7.3'	9'	5.2'	20	9.1'	7.6'	4'	6.9'	20	19.3'	5.8'	6'	6.0'	25	10.1'	6.2'
50W MR16 IR SP	10°	15700	4000	8'	245	1.4'	1.4'	7'	4.0'	208	1.6'	1.4'	3'	5.2'	218	2.1'	1.0'	5'	5.0'	222	1.8'	1.2'
				12'	109	2.1'	2.1'	10'	5.8'	102	2.3'	2.0'	4'	6.9'	123	2.9'	1.4'	7'	7.0'	113	2.5'	1.7'
				16'	61	2.8'	2.8'	13'	7.5'	60	3.0'	2.6'	5'	8.7'	79	3.6'	1.7'	9'	9.0'	69	3.2'	2.2'
				20'	39	3.5'	3.5'	16'	9.2'	40	3.7'	3.2'	6'	10.4'	55	4.3'	2.1'	11'	11.0'	46	3.9'	2.7'
50W MR16 IR NFL	25°	6000	4000	6'	167	2.7'	2.7'	5'	2.9'	156	3.0'	2.6'	2'	3.5'	188	4.2'	1.8'	3'	3.0'	236	2.8'	1.9'
				8'	94	3.5'	3.5'	7'	4.0'	80	4.2'	3.6'	3'	5.2'	83	6.2'	2.7'	5'	5.0'	85	4.7'	3.1'
				10'	60	4.4'	4.4'	9'	5.2'	48	5.4'	4.6'	4'	6.9'	47	8.3'	3.5'	7'	7.0'	43	6.5'	4.4'
				12'	42	5.3'	5.3a	11'	6.4'	32	6.6'	5.6'	5'	8.7'	30	10.4'	4.4'	9'	9.0'	26	8.4'	5.6'
50W MR16 IR FL	40°	3000	4000	6'	83	4.4'	4.4'	5'	2.0'	78	5.1'	4.2'	2'	3.5'	94	9.7'	2.9'	3'	3.0'	118	5.0'	3.1'
				8'	47	5.8'	5.8'	7'	4.0'	40	7.1'	5.9'	3'	5.2'	42	14.5'	4.4'	5'	5.0'	42	8.4'	5.1'
				10'	30	7.3'	7.3'	9'	5.2'	24	9.1'	7.6'	4'	6.9'	23	19.3'	5.8'	7'	7.0'	22	11.7'	7.2'
				12'	21	8.7'	8.7'	11'	6.4'	16	11.2'	9.2'	5'	8.7'	15	24.2'	7.3'	9'	9.0'	13	15.1'	9.3'
50W MR16 NSP	10°	11500	4000	8'	180	1.4'	1.4'	7'	4.0'	152	1.6'	1.4'	3'	5.2'	160	2.1'	1.0'	5'	5.0'	163	1.8'	1.2'
				12'	80	2.1'	2.1'	10'	5.8'	75	2.3'	2.0'	4'	6.9'	90	2.9'	1.4'	7'	7.0'	83	2.5'	1.7'
				16'	45	2.8'	2.8'	13'	7.5'	44	3.0'	2.6'	5'	8.7'	58	3.6'	1.7'	9'	9.0'	50	3.2'	2.2'
				20'	29	3.5'	3.5'	16'	9.2'	29	3.7'	3.2'	6'	10.4'	40	4.3'	2.1'	11'	11.0'	34	3.9'	2.7'
50W MR16 NFL	25°	3200	4000	6'	89	2.7'	2.7'	5'	2.9'	83	3.0'	2.6'	2'	3.5'	100	4.2'	1.8'	3'	3.0'	126	2.8'	1.9'
				8'	50	3.5'	3.5'	7'	4.0'	42	4.2'	3.6'	3'	5.2'	44	6.2'	2.7'	5'	5.0'	45	4.7'	3.1'
				10'	32	4.4'	4.4'	9'	5.2'	26	5.4'	4.6'	4'	6.9'	25	8.3'	3.5'	7'	7.0'	23	6.5'	4.4'
				12'	22	5.3'	5.3'	11'	6.4'	17	6.6'	5.6'	5'	8.7'	16	10.4'	4.4'	9'	9.0'	14	8.4'	5.6'
50W MR16 FL	40°	2000	4000	4'	125	2.9'	2.9'	3'	1.7'	144	3.0'	2.5'	1'	1.7'	250	4.8'	1.5'	3'	3.0'	79	5.0'	3.1'
				6'	56	4.4'	4.4'	5'	2.9'	52	5.1'	4.2'	2'	3.5'	63	9.7'	2.9'	4'	4.0'	44	6.7'	4.1'
				8'	31	5.8'	5.8'	7'	4.0'	27	7.1'	5.9'	3'	5.2'	28	14.5'	4.4'	5'	5.0'	28	8.4'	5.1'
				10'	20	7.3'	7.3'	9'	5.2'	16	9.1'	7.6'	4'	6.9'	16	19.3'	5.8'	6'	6.0'	20	10.1'	6.2'
50W MR16 VWFL	60°	1000	4000	3'	111	3.5'	3.5'	3'	1.7'	72	5.2'	4.0'	1'	1.7'	125	*	2.3'	2'	2.0'	88	6.9'	3.3'
				5'	40	5.8'	5.8'	5'	2.9'	26	8.7'	6.7'	2'	3.5'	31	*	4.6'	3'	3.0'	39	10.4'	4.9'
				7'	20	8.1'	8.1'	7'	4.0'	13	12.1'	9.3'	3'	5.2'	14	*	6.9'	4'	4.0'	22	13.9'	6.5'
				9'	12	10.4'	10.4'	9'	5.2'	8	15.6'	12.0'	4'	6.9'	8	*	9.2'	5'	5.0'	14	17.3'	8.2'
75W MR16 SP	10°	14000	4000	8'	219	1.4'	1.4'	7'	4.0'	186	1.6'	1.4'	3'	5.2'	194	2.1'	1.0'	5'	5.0'	198	1.8'	1.2'
				12'	97	2.1'	2.1'	10'	5.8'	91	2.3'	2.0'	4'	6.9'	109	2.9'	1.4'	7'	7.0'	101	2.5'	1.7'
				16'	55	2.8'	2.8'	13'	7.5'	54	3.0'	2.6'	5'	8.7'	70	3.6'	1.7'	9'	9.0'	61	3.2'	2.2'
				20'	35	3.5'	3.5'	16'	9.2'	36	3.7'	3.2'	6'	10.4'	49	4.3'	2.1'	11'	11.0'	41	3.9'	2.7'
75W MR16 FL	36°	2500	4000	4'	156	2.6'	2.6'	3'	1.7'	180	2.7'	2.3'	1'	1.7'	313	3.8'	1.3'	3'	3.0'	98	4.4'	2.8'
				6'	69	3.9'	3.9'	5'	2.9'	65	4.5'	3.8'	2'	3.5'	78	7.6'	2.6'	4'	4.0'	55	5.8'	3.7'
				8'	39	5.2'	5.2'	7'	4.0'	33	6.3'	5.3'	3'	5.2'	35	11.4'	3.9'	5'	5.0'	35	7.3'	4.6'
				10'	25	6.5'	6.5'	9'	5.2'	20	8.1'	6.8'	4'	6.9'	20	15.2'	5.2'	6'	6.0'	25	8.7'	5.5'
ES16 Line voltage halogen lamps																						
50W ES16 NFL	25°	700	3000	4'	44	1.8'	1.8'	4'	2.3'	28	2.4'	2.0'	2'	3.5'	22	4.2'	1.8'	2'	2.0'	62	1.9'	1.3'
				6'	19	2.7'	2.7'	6'	3.5'	13	3.6'	3.1'	3'	5.2'	10	6.2'	2.7'	3'	3.0'	27	2.8'	1.9'
				8'	11	3.5'	3.5'	8'	4.6'	7	4.8'	4.1'	4'	6.9'	5	8.3'	3.5'	4'	4.0'	15	3.7'	2.5'
				10'	7	4.4'	4.4'	10'	5.8'	5	6.0'	5.1'	5'	8.7'	4	10.4'	4.4'	5'	5.0'	10	4.7'	3.1'
50W ES16 FL	40°	800	2000	4'	50	2.9'	2.9'	4'	2.3'	32	4.1'	3.4'	2'	3.5'	25	9.7'	2.9'	2'	2.0'	71	3.4'	2.1'
				6'	22	4.4'	4.4'	6'	3.5'	14	6.1'	5.0'	3'	3.5'	11	14.5'	4.4'	3'	3.0'	31	5.0'	3.1'
				8'	13	5.8'	5.8'	8'	4.6'	8	8.1'	6.7'	4'	6.9'	6	19.3'	5.8'	4'	4.0'	18	6.7'	4.1'
				10'	8	7.3'	7.3'	10'	5.8'	5	10.2'	8.4'	5'	8.7'	4	24.2'	7.3'	5'	5.0'	11	8.4'	5.1'

*Exceeds useable limits.

Lamps	Beam spread (to 50% CBCP)	CBCP	Rated life (hours)	0° Aiming angle					30° Aiming angle					30° Aiming angle					45° Aiming angle				
				D	FC	L	W		D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
AR70 Low voltage halogen lamps																							
20W AR70 SP	8°	7000	3000	7'	143	1.0'	1.0'		6'	3.5'	126	1.0'	1.0'	2'	3.5'	219	1.1'	0.6'	4'	4.0'	155	1.1'	0.8'
				10'	70	1.4'	1.4'		9'	5.2'	56	1.7'	1.5'	3'	5.2'	97	1.7'	0.8'	6'	6.0'	69	1.7'	1.2'
				13'	41	1.8'	1.6'		12'	6.9'	32	2.2'	1.9'	4'	6.9'	55	2.3'	1.1'	8'	8.0'	39	2.2'	1.6'
				16'	27	2.2'	2.2'		15'	8.7'	20	2.8'	2.4'	5'	8.7'	35	2.8'	1.4'	10'	10.0'	25	2.8'	2.0'
20W AR70 FL	25°	850	3000	3'	94	1.3'	1.3'		3'	1.7'	61	1.8'	1.5'	1'	1.7'	106	2.1'	0.9'	2'	2.0'	75	1.9'	1.3'
				5'	34	2.2'	2.2'		5'	2.9'	22	3.0'	2.6'	2'	3.5'	27	4.2'	1.4'	3'	3.0'	33	2.8'	1.9'
				7'	17	3.1'	3.1'		7'	4.0'	11	4.2'	3.6'	3'	5.2'	12	6.2'	2.7'	4'	4.0'	19	3.7'	2.5'
				9'	10	4.0'	4.0'		9'	5.2'	7	5.4'	4.6'	4'	6.9'	7	8.3'	3.5'	5'	5.0'	12	4.7'	3.1'
50W AR70 SP	10°	15000	2000	8'	234	1.4'	1.4'		7'	4.0'	199	1.6'	1.4'	3'	5.2'	206	2.1'	1.0'	5'	5.0'	212	1.8'	1.2'
				12'	104	2.1'	2.1'		10'	5.8'	97	2.3'	2.0'	4'	6.9'	117	2.9'	1.4'	7'	7.0'	108	2.5'	1.7'
				16'	59	2.8'	2.8'		13'	7.5'	58	3.0'	2.6'	5'	8.7'	75	3.6'	1.7'	9'	9.0'	65	3.2'	2.2'
				20'	38	3.5'	3.5'		16'	9.2'	38	3.7'	3.2'	6'	10.4'	52	4.3'	2.1'	11'	11.0'	44	3.9'	2.7'
50W AR70 FL	30°	2000	2000	4'	125	2.1'	2.1'		3'	1.7'	144	2.2'	1.9'	1'	1.7'	250	2.7'	1.1'	3'	3.0'	79	3.5'	2.3'
				6'	56	3.2'	3.2'		5'	2.9'	52	3.7'	3.1'	2'	3.5'	63	5.5'	2.1'	4'	4.0'	44	4.6'	3.0'
				8'	31	4.3'	4.3'		7'	4.0'	27	5.1'	4.3'	3'	5.2'	28	8.2'	3.2'	5'	5.0'	28	5.8'	3.8'
				10'	20	5.4'	5.4'		9'	5.2'	16	6.6'	5.6'	4'	6.9'	16	10.9'	4.3'	6'	6.0'	20	6.9'	4.5'
AR111 Low voltage halogen lamps																							
35W AR111 SSP	4°	40000	3000	10'	400	0.7'	0.7'		8'	4.6'	406	0.7'	0.6'	4'	6.9'	313	1.1'	0.6'	6'	6.0'	393	0.8'	0.6'
				15'	178	1.0'	1.0'		12'	6.9'	180	1.1'	1.0'	6'	10.4'	139	1.7'	0.8'	9'	9.0'	175	1.3'	0.9'
				20'	100	1.4'	1.4'		16'	9.2'	101	1.5'	1.3'	8'	13.9'	78	2.2'	1.1'	12'	12.0'	98	1.7'	1.2'
				25'	64	1.7'	1.7'		20'	11.5'	65	1.9'	1.6'	10'	17.3'	50	2.8'	1.4'	15'	15.0'	63	2.1'	1.5'
50W AR111 NSP	4°	45000	3000	15'	200	1.0'	1.0'		10'	5.8'	292	0.9'	0.8'	10'	5.8'	225	1.4'	0.7'	8'	8.0'	249	1.1'	0.8'
				20'	113	1.4'	1.4'		15'	8.7'	130	1.4'	1.2'	15'	8.7'	88	2.2'	1.1'	12'	12.0'	110	1.7'	1.2'
				25'	72	1.7'	1.7'		20'	11.5'	73	1.9'	1.6'	20'	11.5'	46	3.1'	1.5'	16'	16.0'	62	2.2'	1.6'
				30'	50	2.1'	2.1'		25'	14.4'	47	2.3'	2.0'	25'	24.2'	29	3.9'	2.0'	20'	20.0'	40	2.8'	2.0'
50W AR111 SP	8°	20000	3000	10'	200	1.4'	1.4'		8'	4.6'	203	1.5'	1.3'	4'	6.9'	156	2.3'	1.1'	6'	6.0'	196	1.7'	0.8'
				15'	89	2.1'	2.1'		12'	6.9'	90	2.2'	1.9'	6'	10.4'	69	3.4'	1.7'	9'	9.0'	87	2.5'	1.2'
				20'	50	2.8'	2.8'		16'	9.2'	51	3.0'	2.6'	8'	13.9'	39	4.5'	2.2'	12'	12.0'	49	3.4'	1.6'
				25'	32	3.5'	3.5'		20'	11.5'	32	3.7'	3.2'	10'	17.3'	25	5.7'	2.8'	15'	15.0'	31	4.2'	2.0'
50W AR111 FL	25°	4000	3000	6'	111	2.7'	2.7'		5'	2.9'	104	3.0'	2.6'	2'	3.5'	125	4.2'	1.8'	3'	3.0'	157	3.5'	1.2'
				8'	63	3.5'	3.5'		7'	4.0'	53	4.2'	3.6'	3'	5.2'	56	6.2'	2.7'	5'	5.0'	57	5.8'	1.8'
				10'	40	4.4'	4.4'		9'	5.2'	32	5.4'	4.6'	4'	6.9'	31	8.3'	3.5'	7'	7.0'	29	8.1'	2.4'
				12'	28	5.3'	5.3'		11'	6.4'	21	6.6'	5.6'	5'	8.7'	20	10.4'	4.4'	9'	9.0'	17	10.4'	3.0'
75W AR111 SP	8°	30000	3000	10'	300	1.4'	1.4'		8'	4.6'	304	1.5'	13'	4'	6.9'	234	2.3'	1.1'	6'	6.0'	295	1.7'	1.9'
				15'	133	2.1'	2.1'		12'	6.9'	135	2.2'	1.9'	6'	10.4'	104	3.4'	1.7'	9'	9.0'	131	2.5'	3.1'
				20'	75	2.8'	2.8'		16'	9.2'	76	3.0'	2.6'	8'	13.9'	59	4.5'	2.2'	12'	12.0'	74	3.4'	4.4'
				25'	48	3.5'	3.5'		20'	11.5'	49	3.7'	3.2'	10'	17.3'	38	5.7'	2.8'	15'	15.0'	47	4.2'	5.6'
75W AR111 FL	25°	5300	3000	6'	147	2.7'	2.7'		5'	2.9'	138	3.0'	2.6'	2'	3.5'	166	4.2'	1.8'	3'	3.0'	208	2.8'	1.9'
				8'	83	3.5'	3.5'		7'	4.0'	70	4.2'	3.6'	3'	5.2'	74	6.2'	2.7'	5'	5.0'	75	4.7'	3.1'
				10'	53	4.4'	4.4'		9'	5.2'	42	5.4'	4.6'	4'	6.9'	41	8.3'	3.5'	7'	7.0'	38	6.5'	4.4'
				12'	37	5.3'	5.3'		11'	6.4'	28	6.6'	5.6'	5'	8.7'	27	10.4'	4.4'	9'	9.0'	23	8.4'	5.6'
50W AR111 WFL	45°	2000	3000	3'	222	2.5'	2.5'		3'	1.7'	144	3.5'	2.9'	1'	1.7'	250	6.8'	1.7'	2'	2.0'	177	4.0'	2.3'
				5'	80	4.1'	4.1'		5'	2.9'	52	5.9'	4.8'	2'	3.5'	63	13.7'	3.3'	3'	3.0'	79	6.0'	3.5'
				7'	41	5.8'	5.8'		7'	4.0'	27	8.2'	6.7'	3'	5.2'	28	20.5'	5.0'	4'	4.0'	44	8.0'	4.7'
				9'	25	7.5'	7.5'		9'	5.2'	16	10.5'	8.6	4'	6.9'	16	27.3'	6.6'	5'	5.0'	28	10.0'	5.9'
PAR36 Halogen and incandescent low voltage lamps																							
25W PAR36 SP (5.5V)	5°	19700	1000	10'	197	0.9'	0.9'		8'	4.6'	200	0.9'	0.8'	4'	6.9'	154	1.4'	0.7'	6'	5.0'	198	1.0'	0.7'
				15'	88	1.3'	1.3'		12'	6.9'	89	1.4'	1.2'	6'	10.4'	58	2.1'	1.0'	8'	8.0'	109	1.4'	1.0'
				20'	49	1.7'	1.7'		16'	9.2'	50	1.9'	1.5'	8'	13.9'	38	2.6'	1.4'	10'	12.0'	48	2.1'	1.5'
				25'	32	2.2'	2.2'		20'	11.5'	32	2.3'	2.0'	10'	17.3'	25	3.5'	1.7'	12'	15.0'	31	2.6'	1.9'
25W PAR36 VWFL	55°	160	2000	2'	40	2.1'	2.1'		2'	1.2'	26	3.1'	2.4'	2'	1.2'	26	3.1'	2.4'	1'	1.0'	57	2.9'	1.5'
				3'	18	3.1'	3.1'		3'	1.7'	12	4.6'	3.6'	3'	1.7'	12	4.6'	3.6'	2'	2.0'	14	5.7'	2.9'
				4'	10	4.2'	4.2'		4'	2.3'	6	6.1'	4.8'	4'	2.3'	6	6.1'	4.8'	3'	3.0'	6	8.6'	4.4'
				5'	6	5.2'	5.2'		5'	2.9'	4	7.6'	6.0'	5'	2.9'	4	.6'	6.0'	4'	4.0'	4	11.4'	5.9'
36W PAR36 (Halogen) VNSP	5°	17000	4000	10'	170	0.9'	0.9'		8'	4.6'	173	0.9'	0.8'	4'	6.9'	133	1.4'	0.7'	6'	6.0'	167	1.0'	0.7'
				15'	76	1.3'	1.3'		12'	6.9'	77	1.4'	1.2'	6'	10.4'	59	2.1'	1.0'	8'	8.0'	94	2.4'	1.0'
				20'	43	1.7'	1.7'		16'	9.2'	43	1.9'	1.6'	8'	13.9'	33	2.8'	1.4'	12'	12.0'	42	2.1'	1.5'
				25'	27	2.2'	2.2'		20'	11.5'	28	2.3'	2.0'	10'	17.3'	21	3.5'	1.7'	15'	15.0'	27	2.6'	1.9'
36W PAR36 (Halogen) WFL	32°	1000	4000	3'	111	1.7'	1.7'		3'	1.7'	72	2.4'	2.0'	1'	1.7'	125	3.0'	1.1'	2'	2.0'	88	2.5'	1.6'
				5'	40	2.9'	2.9'		5'	2.9'	26	3.9'	3.3'	2'	3.5'	31	6.1'	2.3'	3'	3.0'	39	3.7'	2.4'
				7'	20	4.0'	4.0'		7'	4.0'	13	5.5'	4.6'	3'	5.2'	14	9.1'	3.4'	4'	4.0'	22	5.0'	3.2'
				9'	12	5.2'	5.2'		9'	5.2'	8	7.1'	6.0'	4'	6.9'	8	12.2'	4.6'	5'	5.0'	14	6.2'	4.1'
36W PAR36 (Halogen) NSP	13°	3500	4000	6'	97	1.4'	1.4'		5'	2.9'	91	1.5'	1.3'	2'	3.5'	109	1.9'	0.9'	3'	3.0'	137	1.4'	1.0'
				8'	55	1.8'	1.8'		7'	4.0'	46	2.1'	1.8'	3'	5.2'	49	2.8'	1.4'	5'	5.0'	49	2.3'	1.6'
				10'	35	2.3'	2.3'		9'	5.2'	28	2.7'	2.4'	4'	6.9'	27	3.8'	1.8'	7'	7.0'	25	3.2'	2.3'
				12'	24	2.7'	2.7'		11'	6.4'	19	3.4'	2.9'	5'	8.7'	18	4.7'	2.3'	9'	9.0'	15	4.2'	2.9'
50W PAR36 (Halogen) NSP	6°	25000	4000	15'	111	1.6'	1.6'		10'	5.8'	162	1.2'	1.2'	5'	8.7'	125	2.1'	1.0'	8'	8.0'	138	1.7'	1.2'
				20'	63	2.1'	2.1'		15'	8.7'	72	1.8	1.8'	8'	13.9'	49	3.4'	1.7'	12'	12.0'	61	2.5'	1.8'
				25'	40	2.6'	2.6'		20'	11.5'	41	2.4'	2.4'	11'	19.1'	26	4.7'	2.3'	16'	16.0'	35	3.4'	2.4'
				30'	28	3.1'	3.1'		25'	14.4'	26	3.0'	3.0'	14'	24.2'	16	5.9'	2.9'	20'	20.0'	22	4.2'	3.0'

*Exceeds usable limits.

Lamps	Beam spread (to 50% CBCP)	CBCP	Rated life (hours)	0° Aiming angle					30° Aiming angle					30° Aiming angle					45° Aiming angle				
PAR16 Halogen line voltage lamps				**D**	**FC**	**L**	**W**		**D**	**C**	**FC**	**L**	**W**	**D**	**C**	**FC**	**L**	**W**	**D**	**C**	**FC**	**L**	**W**
60W PAR16 NSP	10°	5000	2000	6'	139	1.0'	1.0'		5'	2.9'	130	1.2'	1.0'	2'	3.5'	156	1.4'	0.7'	3'	3.0'	196	1.1'	0.7'
				8'	78	1.4'	1.4'		7'	4.0'	66	1.6'	1.4'	3'	5.2'	69	2.1'	1.0'	5'	5.0'	71	1.6'	1.2'
				10'	50	1.7'	1.7'		9'	5.2'	40	2.1'	1.8'	4'	6.9'	39	2.9'	1.4'	7'	7.0'	36	2.5'	1.7'
				12'	35	2.1'	2.1'		11'	6.4'	27	2.6'	2.2'	5'	8.7'	25	3.6'	1.7'	9'	9.0'	22	3.2'	2.2'
60W PAR16 NFL	30°	1300	2000	3'	144	1.6'	1.6'		3'	1.7'	94	2.2'	1.9'	1'	1.7'	163	2.7'	1.1'	2'	2.0'	115	2.3'	1.5'
				5'	52	2.7'	2.7'		5'	2.9'	34	3.7'	3.1'	2'	3.5'	41	5.5'	2.1'	3'	3.0'	51	3.5'	2.3'
				7'	27	3.8'	3.8'		7'	4.0'	17	5.1'	4.3'	3'	5.2'	18	8.2'	3.2'	4'	4.0'	29	4.6'	3.0'
				9'	16	4.8'	4.8'		9'	5.2'	10	6.6'	5.6'	4'	6.9'	10	10.9'	4.3'	5'	5.0'	18	5.8'	3.8'
75W PAR16 NSP	10°	7500	2000	7'	153	1.2'	1.2'		6'	3.5'	135	1.4'	1.2'	2'	3.5'	234	1.4'	0.7'	4'	4.0'	166	1.4'	1.0'
				10'	75	1.7'	1.7'		9'	5.2'	60	2.1'	1.8'	3'	5.2'	104	2.1'	1.0'	6'	6.0'	74	2.1'	1.5'
				13'	44	2.3'	2.3'		12'	6.9'	34	2.8'	2.4'	4'	6.9'	59	2.9'	1.4'	8'	8.0'	41	2.8'	2.0'
				16'	29	2.6'	2.6'		15'	8.7'	22	3.5'	3.0'	5'	8.7'	38	3.6'	1.7'	10'	10.0'	27	3.5'	2.5'
75W PAR16 NFL	30°	1900	2000	4'	119	2.1'	2.1'		3'	1.7'	137	2.2'	1.9'	1'	1.7'	238	2.7'	1.1'	3'	3.0'	75	3.5'	2.3'
				6'	53	3.2'	3.2'		5'	2.9'	49	3.7'	3.1'	2'	3.5'	59	5.5'	2.1'	4'	4.0'	42	4.6'	3.0'
				8'	30	4.3'	4.3'		7'	4.0'	25	5.1'	4.3'	3'	5.2'	26	8.2'	3.2'	5'	5.0'	27	5.8'	3.8'
				10'	19'	5.4'	5.4'		9'	5.2'	15	6.6'	5.6'	4'	6.9'	15	10.9'	4.3'	6'	6.0'	19	6.9'	4.5'
PAR20 Halogen line voltage lamps																							
35W PAR20 NSP	8°	3000	2500	6'	83	0.8'	0.8'		5'	2.9'	78	0.9'	0.8'	2'	3.5'	94	1.1'	0.6'	3'	3.0'	118	0.8'	0.6'
				8'	47	1.1'	1.1'		7'	4.0'	40	1.3'	1.1'	3'	5.2'	42	1.7'	0.8'	5'	5.0'	42	1.4'	1.0'
				10'	30	1.4'	1.4'		9'	5.2'	24	1.7'	1.5'	4'	6.9'	23	2.3'	1.1'	7'	7.0'	22	2.0'	1.4'
				12'	21	1.7'	1.7'		11'	6.4'	16	2.1'	1.8'	5'	8.7'	15	2.8'	1.4'	9'	9.0'	13	2.5'	1.8'
35W PAR20 NFL	30°	900	2500	3'	100	1.6'	1.6'		3'	1.7'	65	2.2'	1.9'	1'	1.7'	113	2.7'	1.1'	2'	2.0'	80	2.3'	1.5'
				5'	36	2.7'	2.7'		5'	2.9'	23	3.7'	3.1'	2'	3.5'	28	5.5'	2.1'	3'	3.0'	35	3.5'	2.3'
				7'	18	3.8'	3.8'		7'	4.0'	12	5.1'	4.3'	3'	5.2'	13	9.2'	3.2'	4'	4.0'	20	4.6'	3.0'
				9'	11	4.8'	4.8'		9'	5.2'	7	6.6'	5.6'	4'	6.9'	7	10.9'	4.3'	5'	5.0'	13	5.8'	3.8'
35W PAR20 WFL	40°	600	2500	3'	67	2.2'	2.2'		3'	1.7'	43	3.0'	2.5'	1'	1.7'	75	4.8'	1.5'	2'	2.0'	53	3.4'	2.1'
				5'	24	3.6'	3.6'		5'	2.9'	16	5.1'	4.2'	2'	3.5'	19	9.7'	2.9'	3'	3.0'	24	5.0'	3.1'
				7'	12	5.1'	5.1'		7'	4.0'	8	7.1'	5.9'	3'	5.2'	8	14.5'	4.4'	4'	4.0'	13	6.7'	4.1'
				9'	7	6.6'	6.6'		9'	5.2'	5	9.1'	7.6'	4'	6.9'	5	19.3'	5.8'	5'	5.0'	8	8.4'	5.1'
50W PAR20 NSP	8°	6000	2000	6'	167	0.8'	0.8'		5'	2.9'	156	0.9'	0.8'	2'	3.5'	188	1.1'	0.6'	3'	3.0'	236	0.8'	0.6'
				8'	94	1.1'	1.1'		7'	4.0'	80	1.3'	1.1'	3'	5.2'	83	1.7'	0.8'	5'	5.0'	85	1.4'	1.0'
				10'	60	1.4'	1.4'		9'	5.2'	48	1.7'	1.5'	4'	6.9'	47	2.3'	1.1'	7'	7.0'	43	2.0'	1.4'
				12'	42	1.7'	1.7'		11'	6.4'	32	2.1'	1.8'	5'	8.7'	30	2.8'	1.4'	9'	9.0'	26	2.5'	1.8'
50W PAR20 SP	15°	3200	2000	6'	89	1.6'	1.6'		5'	2.9'	83	1.8'	1.5'	2'	3.5'	100	2.2'	1.1'	3'	3.0	126	1.6'	1.1'
				8'	50	2.1'	2.1'		7'	4.0'	42	2.5'	2.1'	3'	5.2'	44	3.3'	1.6'	5'	5.0'	45	2.7'	1.9'
				10'	32	2.6'	2.6'		9'	5.2'	26	3.2'	2.7'	4'	6.9'	25	4.4'	2.1'	7'	7.0'	23	3.8'	2.6'
				12'	22	3.2'	3.2'		11'	6.4'	17	3.9'	3.3'	5'	8.7'	16	5.6'	2.6'	9'	9.0'	14	4.8'	3.4'
50W PAR20 NFL	27°	1850	2000	4'	116	1.9'	1.9'		3'	1.7'	134	2.0'	1.7'	1'	1.7'	231	2.3'	1.0'	3'	3.0'	73	3.1'	2.0'
				6'	51	2.9'	2.9'		5'	2.9'	48	3.3'	2.8'	2'	3.5'	58	4.6'	1.9'	4'	4.0'	41	4.1'	2.7'
				8'	29	3.8'	3.8'		7'	4.0'	25	4.6'	3.9'	3'	5.2'	26	7.0'	2.9'	5'	5.0'	26	5.1'	3.4'
				10'	19	4.8'	4.8'		9'	5.2'	15	5.9'	5.0'	4'	6.9'	14	9.3'	3.8'	6'	6.0'	18	6.1'	4.1'
PAR30 (Short neck) halogen line voltage lamps																							
50W PAR30 NSP	8°	900	2500	7'	188	1.0'	1.0'		6'	3.5'	166	1.1'	1.0'	2'	3.5'	288	1.1'	0.6'	4'	4.0'	203	1.1'	0.8'
				10'	92	1.4'	1.4'		9'	5.2'	74	1.7'	1.5'	3'	5.2'	128	1.7'	0.8'	6'	6.0'	90	1.7'	1.2'
				13'	54	1.8'	1.8'		12'	6.9'	41	2.2'	1.9'	4'	6.9'	72	2.3'	1.1'	8'	8.0'	51	2.2'	1.6'
				16'	36	2.2'	2.2'		15'	8.7'	27	2.8'	2.4'	5'	8.7'	46	2.6'	1.4'	10'	10.0'	33	2.8'	2.0'
50W PAR30 (HIR) SP	8°	17000	3000	8'	266	1.1'	1.1'		7'	4.0'	225	1.3'	1.1'	3'	5.2'	236	1.7'	0.8'	5'	5.0'	240	1.4'	1.0'
				12'	118	1.7'	1.7'		10'	5.8'	110	1.9'	1.6'	4'	6.9'	133	2.3'	1.1'	7'	7.0'	123	2.0'	1.4'
				16'	66	2.2'	2.2'		13'	7.5'	65	2.4'	2.1'	5'	8.7'	85	2.8'	1.4'	9'	9.0'	74	2.5'	1.8'
				20'	43	2.8'	2.8'		16'	0.2'	43	3.0'	2.6'	6'	10.4'	59	3.4'	1.7'	11'	11.0'	50	3.1'	2.2'
50W PAR30 FL	25°	2000	3000	4'	125	1.8'	1.8'		3'	1.7'	144	1.8'	1.5'	1'	1.7'	250	2.1'	0.9'	3'	3.0'	79	2.8'	1.9'
				6'	56	2.7'	2.7'		5'	2.9'	52	3.0'	2.6'	2'	3.5'	63	4.2'	1.8'	4'	4.0'	44	3.7'	2.5'
				8'	31	3.5'	3.5'		7'	4.0'	27	4.2'	3.6'	3'	5.2'	28	6.2'	2.7'	5'	5.0'	28	4.7'	3.1'
				10'	20	4.4'	4.4'		9'	5.2'	16	5.4'	4.6'	4'	6.9'	16	8.3'	3.5'	6'	6.0'	20	5.6'	3.8'
50W PAR30 FL	35°	1400	3000	3'	156	1.9'	1.9'		3'	1.7'	101	2.6'	2.2'	1'	1.7'	175	3.6'	1.3'	2'	2.0'	124	2.8'	1.8'
				5'	58	3.2'	3.2'		5'	2.9'	36	4.3'	3.6'	2'	3.5'	44	7.2'	2.5'	3'	3.0'	55	4.2'	2.7'
				7'	29	4.4'	4.4'		7'	4.0'	19	6.1'	5.1'	3'	5.2'	19	10.8'	3.6'	4'	4.0'	31	5.6'	3.6'
				9'	17	5.7'	5.7'		9'	5.2'	11	7.8'	6.6'	4'	6.9'	11	14.4'	5.0'	5'	5.0'	20	7.0'	4.5'
75W PAR30 NSP	9°	14000	2500	8'	219	1.3'	1.3'		7'	4.0'	186	1.5'	1.3'	3'	5.2'	194	1.9'	0.9'	5'	5.0'	196	1.6'	1.1'
				12'	97	1.9'	1.9'		10'	5.8'	91	2.1'	1.8'	4'	6.9'	109	2.6'	1.3'	7'	7.0'	101	2.2'	1.6'
				16'	55	2.5'	2.5'		13'	7.5'	54	2.7'	2.4'	5'	8.7'	70	3.2'	1.6'	9'	9.0'	61	2.9'	2.0'
				20'	35	3.1'	3.1'		16'	9.2'	36	3.4'	2.9'	6'	10.4'	49	3.6'	1.9'	11'	11.0'	41	3.5'	2.4'
75W PAR30 NFL	30°	3200	2500	6'	89	3.2'	3.2'		5'	2.9'	83	3.7'	3.1'	2'	3.5'	100	5.5'	2.1'	3'	3.0'	126	3.5'	2.3'
				8'	50	4.3'	4.3'		7'	4.0'	42	5.1'	4.3'	3'	5.2'	44	8.2'	3.2'	5'	5.0'	45	5.8'	3.8'
				10'	32	5.4'	5.4'		9'	5.2'	26	6.6'	5.6'	4'	6.9'	25	10.9'	4.3'	7'	7.0'	23	8.1'	5.3'
				12'	22	6.4'	6.4'		11'	6.4'	17	8.1'	6.8'	5'	8.7'	16	13.7'	5.4'	9'	9.0'	14	10.4'	6.6'
75W PAR30 FL	40°	2000	2500	4'	125	2.9'	2.9'		3'	1.7'	144	3.0'	2.5'	1'	1.7'	250	4.8'	1.5'	3'	3.0'	79	5.0'	3.1'
				6'	56	4.4'	4.4'		5'	2.9'	52	5.1'	4.2'	2'	3.5'	63	9.7'	2.9'	4'	4.0'	44	6.7'	4.1'
				8'	31	5.8'	5.8'		7'	4.0'	27	7.1'	5.9'	3'	5.2'	28	14.5'	4.4'	5'	5.0'	28	8.4'	5.1'
				10'	20	7.3'	7.3'		9'	5.2'	16	9.1'	7.6'	4'	6.9'	16	19.3'	5.8'	6'	6.0'	20	10.1'	6.2'

*Exceeds useable limits.

Lamps	Beam spread (to 50% CBCP)	CBCP	Rated life (hours)	0° Aiming angle D	FC	L	W	30° Aiming angle D	C	FC	L	W	30° Aiming angle D	C	FC	L	W	45° Aiming angle D	C	FC	L	W
PAR38 Halogen line voltage lamps																							
45W PAR38 NSP	8°	10000	2500	8'	156	1.3'	1.3'	7'	4.0'	133	1.5'	1.3'	3'	5.2'	139	1.9'	0.9'	5'	5.0'	141	1.6'	1.1'
				12'	69	1.9'	1.9'	10'	5.8'	65	2.1'	1.8'	4'	6.9'	78	2.6'	1.3'	7'	7.0'	72	2.2'	1.6'
				16'	39	2.5'	2.5'	13'	7.5'	38	2.7'	2.4'	5'	8.7'	50	3.2'	1.6'	9'	9.0'	44	2.8'	2.0'
				20'	25	3.1'	3.1'	16'	9.2'	25	3.4'	2.9'	6'	10.4'	35	3.8'	1.9'	11'	11.0'	29	3.5'	2.4'
45W PAR38 SP	12°	5500	2500	6'	153	1.3'	1.3'	5'	2.9'	143	1.4'	1.2'	2'	3.5'	172	1.7'	0.8'	3'	3.0'	216	1.3'	0.9'
				8'	86	1.7'	1.7'	7'	4.0'	73	2.0'	1.7'	3'	5.2'	76	2.6'	1.3'	5'	5.0'	78	2.1'	1.5'
				10'	55	2.1'	2.1'	9'	5.2'	44	2.5'	2.2'	4'	6.9'	43	3.5'	1.7'	7'	7.0'	40	3.0'	2.1'
				12'	38	2.5'	2.5'	11'	6.4'	30	3.1'	2.7'	5'	8.7'	28	4.3'	2.1'	9'	9.0'	24	3.8'	2.7'
45W PAR38 FL	30°	1700	2500	4'	106	2.1'	2.1'	3'	1.7'	123	2.2'	1.9'	1'	1.7'	213	2.7'	1.1'	3'	3.0'	67	3.5'	2.3'
				6'	47	3.2'	3.2'	5'	2.9'	44	3.7'	3.1'	2'	3.5'	53	5.5'	2.1'	4'	4.0'	38	4.6'	3.0'
				8'	27	4.3'	4.3'	7'	4.0'	23	5.1'	4.3'	3'	5.2'	24	8.2'	3.2'	5'	5.0'	24	5.8'	3.8'
				10'	17	5.4'	5.4'	9'	5.2'	14	6.6'	5.6'	4'	6.8'	13	0.9'	4.3'	6'	6.0'	17	6.9'	4.5'
50W PAR38 NSP (HIR)	9°	14000	3000	8'	219	1.3'	1.3'	7'	4.0'	186	1.5'	1.3'	3'	5.2'	194	1.9'	0.9'	5'	5.0'	198	1.6'	1.1'
				12'	97	1.9'	1.9'	10'	5.8'	91	2.1'	1.8'	4'	6.9'	109	2.6'	1.3'	7'	7.0'	101	2.2'	1.6'
				16'	55	2.5'	2.5'	13'	7.5'	54	2.7'	2.4'	5'	8.7'	70	3.2'	1.6'	9'	9.0'	61	2.9'	2.0'
				20'	35	3.1'	3.1'	16'	9.2'	36	3.4'	2.9'	6'	10.4'	9	3.8'	1.9'	11'	11.0'	41	3.5'	2.4'
50W PAR38 FL (HIR)	25°	3000	3000	6'	83	2.7'	2.7'	5'	2.9'	78	3.0'	2.6'	2'	3.5'	94	4.2'	1.8'	3'	3.0'	118	2.8'	1.9'
				8'	47	3.5'	3.5'	7'	4.0'	40	4.2'	3.6'	3'	5.2'	42	6.2'	2.7'	5'	5.0'	42	4.7'	3.1'
				10'	30	4.4'	4.4'	9'	5.2'	24	5.4'	4.6'	4'	6.9'	23	8.3'	3.5'	7'	7.0'	22	6.5'	4.4'
				12'	21	5.3'	5.3'	11'	6.4'	16	6.6'	5.6'	5'	8.7'	15	0.4'	4.4'	9'	9.0'	13	8.4'	5.6'
60W PAR38 SP	10°	17500	3000	8'	273	1.4'	1.4'	7'	4.0'	232	1.6'	1.4'	3'	5.2'	243	2.1'	1.0'	5'	5.0'	247	1.8'	1.2'
				12'	175	2.1'	2.1'	10'	5.8'	114	2.3'	2.0'	4'	6.9'	137	2.9'	1.4'	7'	7.0'	126	2.5'	1.7'
				16'	68	2.8'	2.8'	13'	7.5'	67	3.0'	2.6'	5'	8.7'	88	3.6'	1.7'	9'	9.0'	76	3.2'	2.2'
				20'	44	3.5'	3.5'	16'	9.2'	44	3.7'	3.2'	6'	10.4'	61	4.3'	2.1'	11'	11.0'	51	3.9'	2.7'
60W PAR38 FL	30°	3200	3000	6'	89	3.2'	3.2'	5'	2.9'	83	3.7'	3.1'	2'	3.5'	100	5.5'	2.1'	3'	3.0'	126	3.5'	2.3'
				8'	50	4.3'	4.3'	7'	4.0'	42	5.1'	4.3'	3'	5.2'	44	8.2'	3.2'	5'	5.0'	45	5.8'	3.8'
				10'	32	5.4'	5.4'	9'	5.2'	26	6.6'	5.6'	4'	6.9'	25	10.9'	4.3'	7'	7.0'	23	8.1'	5.3'
				12'	22	6.4'	6.4'	11'	6.4'	17	8.1'	6.8'	5'	8.7'	16	13.7'	5.4'	9'	9.0'	14	10.4'	6.6'
60W PAR38 WFL (HIR)	53°	1250	3000	3'	139	3.0'	3.0'	3'	1.7'	90	4.3'	3.5'	1'	1.7'	156	15.7'	2.0'	2'	2.0'	110	5.3'	2.8'
				5'	50	5.0'	5.0'	5'	2.9'	32	7.2'	5.6'	2'	3.5'	39	31.4'	4.0'	3'	3.0'	49	8.0'	4.2'
				7'	26	7.0'	7.0'	7'	4.0'	17	10.1'	8.1'	3'	5.2'	17	47.1'	6.0'	4'	4.0'	28	10.6'	5.6'
				9'	15	9.0'	9.0'	9'	5.2'	10	13.0'	10.4'	4'	6.9'	10	62.8'	8.0'	5'	5.0'	18	13.3'	7.1'
90W PAR38 NSP	9°	19500	2500	10'	195	1.6'	1.6'	8'	4.6'	198	1.7'	1.5'	4'	6.9'	152	2.6'	1.3'	6'	6.0'	192	1.9'	1.3'
				15'	87	2.4'	2.4'	12'	6.9'	88	2.5'	2.2'	6'	10.4'	60	3.8'	1.9'	9'	9.0'	85	2.9'	2.0'
				20'	49	2.4'	2.4'	16'	9.2'	49	3.4'	2.9'	8'	13.9'	38	5.1'	2.5'	12'	12.0'	48	3.8'	2.7'
				25'	31	3.9'	3.9'	20'	11.5'	32	4.2'	3.6'	10'	17.3'	24	6.4'	3.1'	15'	15.0'	31	4.8'	3.3'
90W PAR38 SP	12°	14500	2500	8'	227	1.7'	1.7'	7'	4.0'	192	2.0'	1.7'	3'	5.2'	201	2.6'	1.3'	5'	5.0'	205	2.1'	1.5'
				12'	101	2.5'	2.5'	10'	5.8'	94	2.8'	2.4'	4'	6.9'	113	3.5'	1.7'	7'	7.0'	105	3.0'	2.1'
				16'	57	3.4'	3.4'	13'	7.5'	56	3.7'	3.2'	5'	8.7'	73	4.3'	2.1'	9'	9.0'	63	3.8'	2.7'
				20'	36	4.2'	4.2'	16'	9.2'	37	4.5'	3.9'	6'	10.4'	0	5.2'	2.5'	11'	11.0'	42	4.7'	3.3'
90W PAR38 FL	28°	4500	2500	6'	125	3.0'	3.0'	5'	2.9'	117	3.4'	2.9'	2'	3.5'	141	4.9'	2.0'	3'	3.0'	177	3.2'	2.1'
				8'	70	4.0'	4.0'	7'	4.0	60	4.8'	4.0'	3'	5.2'	63	7.4'	3.0'	5'	5.0'	64	5.3'	3.5'
				10'	45	5.0'	5.0'	9'	5.2'	36	6.1'	5.2'	4'	6.9'	35	9.8'	4.0'	7'	7.0'	32	7.4'	4.9'
				12'	31	6.0'	6.0'	11'	6.4'	24	7.5'	6.3'	5'	6.7'	23	12.3'	5.0'	9'	9.0'	20	9.6'	6.3'
90W PAR38 WFL	60°	1300	2500	3'	144	3.5'	3.5'	3'	1.7'	94	5.2'	4.0'	1'	1.7'	163	*	2.3'	2'	2.0'	115	6.9'	3.3'
				5'	52	5.6'	5.6'	5'	2.9'	34	6.7'	6.7'	2'	3.5'	41	*	4.6'	3'	3.0'	51	10.4'	4.9'
				7'	27	8.1'	8.1'	7'	4.0'	17	12.1'	9.3'	3'	5.2'	16	*	6.9'	4'	4.0'	29	13.9'	6.5'
				9'	16	10.4'	10.4'	9'	5.2'	10	15.6'	12.0'	4'	6.9'	10	*	9.2'	5'	5.0'	18	17.3'	8.2'
100W PAR38 SP (HIR)	10°	29000	2500	10'	290	1.7'	1.7'	8'	4.6'	294	1.9'	1.6'	4'	6.9'	227	2.9'	1.4'	6'	6.0'	285	2.1'	1.5'
				15'	129	2.6'	2.6'	12'	6.9'	131	2.8'	2.4'	6'	10.4'	101	4.3'	2.1'	9'	9.0'	127	3.2'	2.2'
				20'	73	3.5'	3.5'	16'	9.2'	74	3.7'	3.2'	8'	13.9'	57	5.7'	2.8'	12'	12.0'	71	4.2'	3.0'
				25'	46	4.4'	4.4'	20'	11.5'	47	4.7'	4.0'	10'	17.3'	36	7.2'	3.5'	15'	15.0'	46	5.3'	3.7'
100W PAR38 NFL (HIR)	27°	7500	3000	7'	153	3.4'	3.4'	6'	3.5'	135	3.9'	3.3'	2'	3.5'	234	4.6'	1.9'	4'	4.0'	166	4.1'	2.7'
				10'	75	4.8'	4.8'	9'	5.2'	60	5.9'	5.0'	3'	5.2'	104	7.0'	2.9'	6'	6.0'	74	6.1'	4.1'
				13'	44	6.2'	6.2'	12'	6.9'	34	7.8'	6.7'	4'	6.9'	59	9.3'	3.6'	8'	8.0'	41	8.2'	5.4'
				16'	29	7.7'	7.7'	15'	8.7'	22	9.8'	8.3'	5'	8.7'	38	11.6'	4.8'	10'	10.0'	27	10.2'	6.8'
100W PAR38 FL (HIR)	40°	3400	3000	6'	94	4.4'	4.4'	5'	2.9'	88	5.1'	4.2'	2'	3.5'	106	9.7'	2.9'	3'	3.0'	134	5.0'	3.1'
				8'	53	5.8'	5.8'	7'	4.0'	45	7.1'	5.9'	3'	5.2'	47	14.5'	4.4'	5'	5.0'	48	8.4'	5.1'
				10'	34	7.3'	7.3'	9'	5.2'	27	9.1'	7.8'	4'	6.9'	27	19.3'	5.8'	7'	7.0'	25	11.7'	7.2'
				12'	24	8.7'	8.7'	11'	6.4'	18	11.2'	9.2'	5'	8.7'	17	24.2'	7.3'	9'	9.0'	15	15.1'	9.3'
120W PAR38 NSP	10°	25000	3000	10'	250	1.7'	1.7'	8'	4.6'	254	1.9'	1.6'	4'	6.9'	195	2.9'	1.4'	6'	6.0'	246	2.1'	1.5'
				15'	111	2.6'	2.6'	12'	6.9'	113	2.8'	2.4'	6'	10.4'	87	4.3'	2.1'	9'	9.0'	109	3.2'	2.2'
				20'	63	3.5'	3.5'	16'	9.2'	63	3.7'	3.2'	8'	13.9'	49	5.7'	2.8'	12'	12.0'	61	4.2'	3.0'
				25'	40	4.4'	4.4'	20'	11.5'	41	4.7'	4.0'	10'	17.3'	31	7.2'	3.5'	15'	15.0'	39	5.3'	3.7'
120W PAR38 FL	30°	5000	3000	6'	139	3.2'	3.2'	5'	2.9'	130	3.7'	3.1'	2'	3.5'	156	5.5'	2.1'	3'	3.0'	196	3.5'	2.3'
				8'	78	4.3'	4.3'	7'	4.0'	66	5.1'	4.3'	3'	5.2'	69	6.2'	3.2'	4'	4.0'	71	5.8'	3.0'
				10'	50	5.4'	5.4'	9'	5.2'	40	6.6'	5.6'	4'	6.9'	39	10.9'	4.3'	5'	5.0'	36	8.1'	3.8'
				12'	35	6.4'	6.4'	11'	6.4'	27	8.1'	6.8'	5'	8.7'	25	13.7'	5.4'	6'	6.0'	22	10.4'	4.5'
120W PAR38 WFL	50°	2000	3000	4'	125	3.7'	3.7'	3'	1.7'	144	4.0'	3.2'	1'	1.7'	250	10.7'	1.9'	3'	3.0'	79	7.2'	4.0'
				6'	56	5.6'	5.6'	5'	2.9'	52	6.7'	5.4'	2'	3.5'	63	21.5'	3.7'	4'	4.0'	44	9.5'	5.3'
				8'	31	7.5'	7.5'	7'	4.0'	27	9.4'	7.5'	3'	5.2'	28	32.2'	5.6'	5'	5.0'	28	11.9'	6.6'
				10'	20	9.3'	9.3'	9'	5.2'	16	12.1'	9.7'	4'	6.9'	16	42.9'	7.5'	6'	6.0'	20	14.3'	7.9'
250W PAR38 SP	10°	40000	4200	15'	178	2.9'	2.9'	10'	5.6'	260	2.6'	2.2'	5'	8.7'	200	4.0'	1.9'	8'	8.0'	221	3.1'	2.2'
				20'	100	3.9'	3.9'	15'	8.7'	115	3.9'	3.3'	8'	13.9'	78	6.3'	3.1'	12'	12.0'	98	4.7'	3.3'
				25'	64	4.8'	4.8'	20'	11.5'	65	5.2'	4.4'	11'	19.1'	41	8.7'	4.2'	16'	16.0'	55	6.2'	4.4'
				30'	44	5.8'	5.8'	25'	14.4'	42	6.4'	5.6'	14'	24.2'	26	11.1'	5.4'	20'	20.0'	35	7.8'	5.4'
250W PAR38 FL	30°	9000	4200	7'	163	4.0'	4.0'	6'	3.5'	144	4.7'	4.0'	2'	3.5'	250	6.1'	2.3'	4'	4.0'	177	5.0'	3.2'
				10'	80	5.7'	5.7'	9'	5.2'	64	7.1'	6.0'	3'	5.2'	111	9.1'	3.4'	6'	6.0'	79	7.5'	4.9'
				13'	47	7.5'	7.5'	12'	6.9'	36	9.4'	7.9'	4'	6.9'	63	12.2'	4.6'	8'	8.0'	44	10.0'	5.5'
				16'	31	9.2'	9.2'	15'	8.7'	23	11.8'	9.9'	5'	8.7'	40	15.2'	5.7'	10'	10.0'	28	12.5'	8.1'

*Exceeds useable limits.

Lamps	Beam spread (to 50% CBCP)	CBCP	Rated life (hours)	0° Aiming angle				30° Aiming angle				30° Aiming angle				45° Aiming angle			
R20, BR30, and BR40 Incandescent line voltage lamps																			
50W R20	38°	530	2000	2'	132	1.4'	1.4'	2'	1.2'	66	1.9'	1.6'	1'	1.7'	66	4.3'	1.4'	2'	2.0'	47	3.1'	1.9'
				3'	59	2.1'	2.1'	3'	1.7'	38	2.9'	2.4'	2'	3.5'	17	8.6'	2.8'	3'	3.0'	21	4.7'	2.9'
				4'	33	2.8'	2.8'	4'	2.3'	22	3.8'	3.2'	3'	5.2'	7	12.8'	4.1'	4'	4.0'	12	6.3'	3.9'
				5'	21	3.4'	3.4'	5'	2.9'	14	4.8'	4.0'	4'	6.9'	4	17.1'	5.5'	5'	5.0'	7	7.8'	4.9'
75W R20	46°	825	2000	2'	206	1.7'	1.7'	2'	1.2'	134	2.4'	2.0'	1'	1.7	103	7.4'	1.7'	2'	2.0'	73	4.1'	2.4'
				3'	92	2.5'	2.5'	3'	1.7'	60	3.6'	2.9'	2'	3.5'	26	14.8'	3.4'	3'	3.0'	32	6.2'	3.6'
				4'	52	3.4'	3.4'	4'	2.3'	33	4.8'	3.9'	3'	5.2'	11	22.2'	5.1'	4'	4.0'	18	8.3'	4.8'
				5'	33	4.2'	4.2'	5'	2.9'	21	6.0'	4.9'	4'	6.9'	6	29.6'	6.8'	5'	5.0'	12	10.4'	6.0'
65W BR30 SP	25°	1600	2000	4'	100	1.8'	1.8'	3'	1.7'	115	1.8'	1.5'	1'	1.7'	200	2.1'	0.9'	3'	3.0'	63	2.8'	1.9'
				6'	44	2.7'	2.7'	5'	2.9'	42	3.0'	2.6'	2'	3.5'	50	4.2'	1.8'	4'	4.0'	35	3.7'	2.5'
				8'	25	3.5'	3.5'	7'	4.0'	21	4.2'	3.6'	3'	5.2'	22	6.2'	2.7'	5'	5.0'	23	4.7'	3.1'
				10'	16	4.4'	4.4'	9'	5.2'	13	5.4'	4.6'	4'	6.9'	12	8.3'	3.5'	6'	6.0'	16	5.6'	3.8'
65W BR30 FL	60°	510	2000	2'	128	2.3'	2.3'	2'	1.2'	83	3.5'	2.7'	1'	1.7'	64	*	2.3'	2'	2.0'	45	6.9'	3.3'
				3'	57	3.5'	3.5'	3'	1.7'	37	5.2'	4.0'	2'	3.5'	16	*	4.6'	3'	3.0'	20	10.4'	4.9'
				4'	32	4.6'	4.6'	4'	2.3'	21	6.9'	5.3'	3'	5.2'	7	*	6.9'	4'	4.0'	11	13.9'	6.5'
				5'	20	5.8'	5.8'	5'	2.9'	13	8.7'	6.7'	4'	6.9'	4	*	9.2'	6'	5.0'	7	17.3'	8.2'
85W BR30 SP	20°	3100	2000	6'	86	2.1'	2.1'	5'	2.9'	81	2.4'	2.0'	2'	3.5'	97	3.1'	1.4'	3'	3.0'	122	2.2'	1.5'
				8'	48	2.8'	2.8'	7'	4.0'	41	3.3'	2.9'	3'	5.2'	43	4.7'	2.1'	5'	5.0'	44	3.6'	2.5'
				10'	31	3.5'	3.5'	9'	5.2'	25	4.3'	3.7'	4'	6.9'	24	6.2'	2.8'	7'	7.0'	22	5.1'	3.5'
				12'	22	4.2'	4.2'	11'	6.4'	17	5.2'	4.5'	5'	8.7'	16	7.8'	3.5'	9'	9.0'	14	6.6'	4.5'
85W BR30 FL	55°	700	2000	3'	78	3.1'	3.1'	3'	1.7'	51	4.6'	3.6'	1'	1.7'	88	22.3'	2.1'	2'	2.0'	62	5.7'	2.9'
				5'	28	5.2'	5.2'	5'	2.9'	18	7.6'	6.0'	2'	3.5'	22	44.5'	4.2'	3'	3.0'	27	8.6'	4.4'
				7'	14	7.3'	7.3'	7'	4.0'	9	10.7'	8.4'	3'	5.2'	10	66.8'	6.2'	4'	4.0'	15	11.4'	5.9'
				9'	9	9.4'	9.4'	9'	5.2'	6	13.7'	10.8'	4'	6.9'	5	89.1'	8.3'	5'	5.0'	10	14.3'	7.4'
120W BR40 SP	20°	4600	2000	6'	128	2.1'	2.1'	5'	2.9'	120	2.4'	2.0'	2'	3.5'	144	3.1'	1.4'	3'	3.0'	181	2.2'	1.5'
				8'	72	2.8'	2.8'	7'	4.0'	61	3.3'	2.9'	3'	5.2'	64	4.7'	2.1'	5'	5.0'	65	3.9'	2.5'
				10'	46	3.5'	3.5'	9'	5.2'	37	4.3'	3.7'	4'	6.9'	36	6.2'	2.8'	7'	7.0'	33	5.1'	3.5'
				12'	32	4.2'	4.2'	11'	6.4'	25	5.2'	4.5'	5'	8.7'	23	7.8'	3.5'	9'	9.0'	20	6.6'	4.5'
120W BR40	60°	1000	2000	3'	111	3.5'	3.5'	3'	1.7'	72	5.2'	4.0'	1'	1.7'	125	*	2.3'	2'	2.0'	88	6.9'	3.3'
				5'	40	5.8'	5.8'	5'	2.9'	26	8.7'	6.7'	2'	3.5'	31	*	4.6'	3'	3.0'	39	10.4'	4.9'
				7'	20	8.1'	8.1'	7'	4.0'	13	12.1'	9.3'	3'	5.2'	14	*	6.9'	4'	4.0'	22	13.9'	6.5'
				9'	12	10.4'	10.4'	9'	5.2'	8	15.6'	12.0'	4'	6.9'	8	*	9.2'	5'	5.0'	14	17.3'	8.2'
PAR56 Line voltage halogen and incandescent lamps																			
50W R20	38°	530	2000	2'	132	1.4'	1.4'	2'	1.2'	66	1.9'	1.6'	1'	1.7'	66	4.3'	1.4'	2'	2.0'	47	3.1'	1.9'
				3'	59	2.1'	2.1'	3'	1.7'	38	2.9'	2.4'	2'	3.5'	17	8.6'	2.8'	3'	3.0'	21	4.7'	2.9'
				4'	33	2.8'	2.8'	4'	2.3'	22	3.8'	3.2'	3'	5.2'	7	12.8'	4.1'	4'	4.0'	12	6.3'	3.9'
				5'	21	3.4'	3.4'	5'	2.9'	14	4.8'	4.0'	4'	6.9'	4	17.1'	5.5'	5'	5.0'	7	7.8'	4.9'
75W R20	46°	825	2000	2'	206	1.7'	1.7'	2'	1.2'	134	2.4'	2.0'	1'	1.7	103	7.4'	1.7'	2'	2.0'	73	4.1'	2.4'
				3'	92	2.5'	2.5'	3'	1.7'	60	3.6'	2.9'	2'	3.5'	26	14.8'	3.4'	3'	3.0'	32	6.2'	3.6'
				4'	52	3.4'	3.4'	4'	2.3'	33	4.8'	3.9'	3'	5.2'	11	22.2'	5.1'	4'	4.0'	18	8.3'	4.8'
				5'	33	4.2'	4.2'	5'	2.9'	21	6.0'	4.9'	4'	6.9'	6	29.6'	6.8'	5'	5.0'	12	10.4'	6.0'
65W BR30 SP	25°	1600	2000	4'	100	1.8'	1.8'	3'	1.7'	115	1.8'	1.5'	1'	1.7'	200	2.1'	0.9'	3'	3.0'	63	2.8'	1.9'
				6'	44	2.7'	2.7'	5'	2.9'	42	3.0'	2.6'	2'	3.5'	50	4.2'	1.8'	4'	4.0'	35	3.7'	2.5'
				8'	25	3.5'	3.5'	7'	4.0'	21	4.2'	3.6'	3'	5.2'	22	6.2'	2.7'	5'	5.0'	23	4.7'	3.1'
				10'	16	4.4'	4.4'	9'	5.2'	13	5.4'	4.6'	4'	6.9'	12	8.3'	3.5'	6'	6.0'	16	5.6'	3.8'
65W BR30 FL	60°	510	2000	2'	128	2.3'	2.3'	2'	1.2'	83	3.5'	2.7'	1'	1.7'	64	*	2.3'	2'	2.0'	45	6.9'	3.3'
				3'	57	3.5'	3.5'	3'	1.7'	37	5.2'	4.0'	2'	3.5'	16	*	4.6'	3'	3.0'	20	10.4'	4.9'
				4'	32	4.6'	4.6'	4'	2.3'	21	6.9'	5.3'	3'	5.2'	7	*	6.9'	4'	4.0'	11	13.9'	6.5'
				5'	20	5.8'	5.8'	5'	2.9'	13	8.7'	6.7'	4'	6.9'	4	*	9.2'	6'	5.0'	7	17.3'	8.2'
85W BR30 SP	20°	3100	2000	6'	86	2.1'	2.1'	5'	2.9'	81	2.4'	2.0'	2'	3.5'	97	3.1'	1.4'	3'	3.0'	122	2.2'	1.5'
				8'	48	2.8'	2.8'	7'	4.0'	41	3.3'	2.9'	3'	5.2'	43	4.7'	2.1'	5'	5.0'	44	3.6'	2.5'
				10'	31	3.5'	3.5'	9'	5.2'	25	4.3'	3.7'	4'	6.9'	24	6.2'	2.8'	7'	7.0'	22	5.1'	3.5'
				12'	22	4.2'	4.2'	11'	6.4'	17	5.2'	4.5'	5'	8.7'	16	7.8'	3.5'	9'	9.0'	14	6.6'	4.5'
85W BR30 FL	55°	700	2000	3'	78	3.1'	3.1'	3'	1.7'	51	4.6'	3.6'	1'	1.7'	88	22.3'	2.1'	2'	2.0'	62	5.7'	2.9'
				5'	28	5.2'	5.2'	5'	2.9'	18	7.6'	6.0'	2'	3.5'	22	44.5'	4.2'	3'	3.0'	27	8.6'	4.4'
				7'	14	7.3'	7.3'	7'	4.0'	9	10.7'	8.4'	3'	5.2'	10	66.8'	6.2'	4'	4.0'	15	11.4'	5.9'
				9'	9	9.4'	9.4'	9'	5.2'	6	13.7'	10.8'	4'	6.9'	5	89.1'	8.3'	5'	5.0'	10	14.3'	7.4'
120W BR40 SP	20°	4600	2000	6'	128	2.1'	2.1'	5'	2.9'	120	2.4'	2.0'	2'	3.5'	144	3.1'	1.4'	3'	3.0'	181	2.2'	1.5'
				8'	72	2.8'	2.8'	7'	4.0'	61	3.3'	2.9'	3'	5.2'	64	4.7'	2.1'	5'	5.0'	65	3.9'	2.5'
				10'	46	3.5'	3.5'	9'	5.2'	37	4.3'	3.7'	4'	6.9'	36	6.2'	2.8'	7'	7.0'	33	5.1'	3.5'
				12'	32	4.2'	4.2'	11'	6.4'	25	5.2'	4.5'	5'	8.7'	23	7.8'	3.5'	9'	9.0'	20	6.6'	4.5'
120W BR40	60°	1000	2000	3'	111	3.5'	3.5'	3'	1.7'	72	5.2'	4.0'	1'	1.7'	125	*	2.3'	2'	2.0'	88	6.9'	3.3'
				5'	40	5.8'	5.8'	5'	2.9'	26	8.7'	6.7'	2'	3.5'	31	*	4.6'	3'	3.0'	39	10.4'	4.9'
				7'	20	8.1'	8.1'	7'	4.0'	13	12.1'	9.3'	3'	5.2'	14	*	6.9'	4'	4.0'	22	13.9'	6.5'
				9'	12	10.4'	10.4'	9'	5.2'	8	15.6'	12.0'	4'	6.9'	8	*	9.2'	5'	5.0'	14	17.3'	8.2'
PAR64 Line voltage incandescent lamps																			
500W PAR64 NSP Ext mog end prong	7° × 12°	111 000	2000	16'	434	2.0'	3.4'	12'	6.9'	501	2.0'	2.9'	6'	10.4'	385	3.0'	2.5'	10'	10.0'	392	2.5'	3.0'
				24'	193	2.9'	5.0'	20'	11.5'	180	3.3'	4.9'	10'	17.3'	139	4.9'	4.2'	15'	15.0'	174	3.7'	4.5'
				32'	108	3.9'	6.7'	28'	16.2'	92	4.6'	6.8'	14'	24.2'	71	6.9'	5.9'	20'	20.0'	98	4.9'	5.9'
				40'	69	4.9'	8.4'	36'	20.8'	56	5.9'	8.7'	18'	31.2'	43	8.9'	7.6'	25'	25.0'	63	6.1'	7.4'
500W PAR64 MFL Ext mog end prong	11° × 23°	23000	2000	10'	230	1.9	4.1'	8'	4.6'	233	2.1'	3.8'	4'	6.9'	180	3.2'	3.3'	6'	6.0'	226	2.3'	3.5'
				15'	102	2.9'	6.1'	12'	6.9'	104	3.1'	5.6'	6'	10.4'	60	4.8'	4.9'	9'	9.0'	100	3.5'	5.2'
				20'	58	3.9'	8.1'	16'	9.2'	58	4.1'	7.5'	8'	13.9'	45	6.3'	6.5'	12'	12.0'	56	4.7'	6.9'
				25'	37	4.8'	10.2'	20'	11.5'	37	5.2'	9.4'	10'	17.3'	29	7.9'	8.1'	15'	15.0'	36	5.6'	8.6'
500W PAR64 WFL EXt mog end proNG	20° × 42°	13000	2000	8'	203	2.8'	6.1'	7'	4.0'	172	3.3'	6.2'	3'	5.2'	181	4.7'	4.6'	5'	5.0'	184	3.6'	5.4'
				12'	90	4.2'	9.2'	10'	5.8'	64	4.8'	8.9'	4'	6.9'	102	6.2'	6.1'	7'	7.0'	94	5.1'	7.6'
				16'	51	5.6'	12.3'	13'	7.5'	50	6.2'	11.5'	5'	8.7'	65	7.8'	7.7'	9'	9.0'	57	6.6'	9.8'
				20'	33	7.1'	15.4'	16'	9.2'	33	7.6'	14.2'	6'	10.4'	45	9.3'	9.2'	11'	11.0'	38	8.0'	11.9'

*Exceeds useable limits.

Lamps	Beam spread (to 50% CBCP)	CBCP	Rated life (hours)	D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
PAR56 Low voltage incandescent lamps																						
40W PAR56 VNSP (12V) SCR TERM	6° X 9°	140000	2000	20' 30' 40' 50'	350 156 88 56	2.1' 3.1' 4.2' 5.2'	3.1' 4.7' 6.3' 7.9'	15' 25' 35' 45'	8.7' 14.4' 20.2' 26.0'	404 145 74 45	2.1' 3.5' 4.9' 6.3'	2.7' 4.5' 6.4' 8.2'	8' 12' 16' 20'	13.9' 20.8' 27.7' 34.6'	273 122 68 44	3.4' 5.1' 6.8' 8.5'	2.5' 3.6' 5.0' 6.3'	12' 17' 22' 27'	12.0' 17.0' 22.0' 27.0'	344 171 102 68	2.5' 3.6' 4.6' 5.7'	2.7' 3.8' 4.9' 6.0'
40W PAR56 MFL (12V) SCR TERM	8° X 19°	46000	2000	15' 20' 25' 30'	204 115 74 51	2.1' 2.8' 3.5' 4.2'	5.0' 6.7' 8.4' 10.0'	10' 15' 20' 25'	5.8' 8.7' 11.5' 14.4'	299 133 75 48	1.9' 2.8' 3.7' 4.7'	3.9' 5.8' 7.7' 9.7'	5' 8' 11' 14'	8.7' 13.9' 19.1' 24.2'	230 90 48 29	2.8' 4.5' 6.2' 7.9'	3.3' 5.4' 7.4' 9.4'	8' 12' 16' 20'	8.0' 12.0' 16.0' 20.0'	254 113 64 41	2.2' 3.4' 4.5' 5.6'	3.8' 5.7' 7.6' 9.5'
40W PAR56 WFL (12V) SCR TERM	18° X 35°	13000	2000	8' 12' 16' 20'	203 90 51 33	2.5' 3.8' 5.1' 6.3'	5.0' 7.6' 10.1' 12.6'	7' 10' 13' 16'	4.0' 5.8' 7.5' 9.2'	172 84 50 33	3.0' 4.3' 5.5' 6.6'	5.1' 7.3' 9.5' 11.7'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	181 102 65 45	4.1' 5.5' 6.9' 6.2'	3.8' 5.0' 6.3' 7.6'	5' 7' 9' 11'	5.0' 7.0' 9.0' 11.0'	184 94 57 38	3.2' 4.5' 5.8' 7.1'	4.5' 6.2' 8.0' 9.8'
PAR20, PAR30 and PAR38 Metal halide (ceramic arc tube) lamps																						
20W PAR 20 (CMH20) SP	8°	13,000	7,500	8' 10' 12' 14'	203 130 90 66	1.1' 1.4' 1.7' 2.0'	1.1' 1.4' 1.7' 2.0'	8' 10' 12' 14'	4.6' 5.8' 6.9' 8.1'	132 84 59 43	1.5' 1.9' 2.2' 2.6'	1.3' 1.6' 1.9' 2.3'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	181 102 65 45	1.7' 2.3' 2.8' 3.4'	0.8' 1.1' 1.4' 1.7'	4' 5' 6' 7'	4.0' 5.0' 6.0' 7.0'	287 184 128 94	1.1' 1.4' 1.7' 2.0'	0.8' 1.0' 1.2' 1.4'
20W PAR 20a (CMH20) FL	25°	3,750	7,500	6' 8' 10' 12'	104 59 38 26	2.7' 3.5' 4.4' 5.3'	2.7' 3.5' 4.4' 5.3'	6' 8' 10' 12'	3.5' 4.6' 5.8' 6.9'	68 38 24 17	3.6' 4.8' 6.0' 7.2'	3.1' 4.1' 5.1' 6.1'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	117 52 29 19	4.2' 6.2' 8.3' 10.4'	1.8' 2.7' 3.5' 4.4'	3' 4' 5' 6'	3.0' 4.0' 5.0' 6.0'	147 83 53 37	2.8' 3.7' 4.7' 5.6'	1.9' 2.5' 3.1' 3.8'
39W PAR20 (MC/MH) SP	10°	28,000	9,000	10' 15' 20' 25'	280 124 70 45	1.7' 2.6' 3.5' 4.4'	1.7' 2.6' 3.5' 4.4'	8' 12' 16' 20'	4.6' 6.9' 9.2' 11.5'	284 126 71 45	1.9' 2.8' 3.7' 4.7'	1.6' 2.4' 3.2' 4.0'	4' 6' 8' 10'	6.9' 10.4' 13.9' 17.3'	219 97 55 35	2.9' 4.3' 5.7' 7.2'	1.4' 2.1' 2.8' 3.5'	6' 9' 12' 15'	6.0' 9.0' 12.0' 15.0'	275 122 69 44	2.1' 3.2' 4.2' 5.3'	1.5' 2.2' 3.0' 3.7'
39W PAR20 (MC/MH) FL	30°	6,000	9,000	6' 8' 10' 12'	167 94 60 42	3.2' 4.3' 5.4' 6.4'	3.2' 4.3' 5.4' 6.4'	5' 7' 9' 11'	2.9' 4.0' 5.2' 6.4'	158 80 48 32	3.7' 5.1' 6.6' 8.1'	3.1' 4.3' 5.6' 6.8'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	188 83 47 30	5.5' 8.2' 10.9' 13.7'	2.1' 3.2' 4.3' 5.4'	3' 5' 7' 9'	3.0' 5.0' 7.0' 9.0'	236 85 43 26	3.5' 5.8' 8.1' 10.4'	2.3' 3.8' 5.3' 6.8'
39W PAR30 (MC/MH) SP	10°	42,000	9,000	15' 20' 25' 30'	187 105 67 47	2.6' 3.5' 4.4' 5.2'	2.6' 3.5' 4.4' 5.2'	10' 15' 20' 25'	5.8' 8.7' 11.5' 14.4'	273 121 68 44	2.3' 3.5' 4.7' 5.8'	2.0' 3.0' 4.0' 5.1'	5' 8' 11' 14'	8.7' 13.9' 19.1' 24.2'	210 82 43 27	3.6' 5.7' 7.9' 10.0'	1.7' 2.8' 3.8' 4.9'	8' 12' 16' 22'	8.0' 12.0' 16.0' 22.0'	232 103 58 31	2.8' 4.2' 5.5' 7.8'	2.0' 3.0' 4.0' 5.4'
39W PAR30 (MC/MH) FL	30°	8,900	9,000	7' 10' 13' 16'	153 75 44 29	3.8' 5.4' 7.0' 8.6'	3.8' 5.4' 7.0' 8.6'	6' 9' 12' 15'	3.5' 5.2' 6.9' 8.7'	135 60 34 22	4.4' 6.6' 8.8' 11.0'	3.7' 5.6' 7.4' 9.3'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	234 104 59 38	5.5' 8.2' 10.9' 13.7'	2.1' 3.2' 4.3' 5.4'	4' 6' 8' 10'	4.0' 6.0' 8.0' 10.0'	166 74 41 27	4.6' 6.9' 9.2' 11.5'	3.0' 4.5' 6.1' 7.6'
70W PAR30 (MC/MH) SP	10°	62,000	6,000	15' 20' 25' 30'	276 155 99 69	2.6' 3.5' 4.4' 5.2'	2.6' 3.5' 4.4' 5.2'	10' 15' 20' 25'	5.8' 8.7' 11.5' 14.4'	403 179 101 64	2.3' 3.5' 4.7' 5.8'	2.0' 3.0' 4.0' 5.1'	5' 8' 1' 14'	8.7' 13.9' 19.1' 24.2'	310 121 64 40	3.6' 5.7' 7.9' 10.0'	1.7' 2.9' 3.8' 4.9'	8' 12' 18' 20'	8.0' 12.0' 16.0' 20.0'	343 152 86 55	2.0' 4.2' 5.6' 7.1'	2.0' 3.0' 4.0' 4.9'
70W PAR30 (MC/MH) FL	40°	9,000	6,000	7' 10' 13' 16'	184 90 53 35	5.1' 7.3' 9.5' 11.6'	5.1' 7.3' 9.5' 11.6'	6' 9' 12' 15'	3.5' 5.2' 6.9' 8.7'	162 72 41 26	6.1' 9.1' 12.2' 15.2'	5.0' 7.6' 10.1' 12.6'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	181 125 70 45	9.7' 14.5' 19.3' 24.2'	2.9' 4.4' 5.8' 7.3'	4' 6' 8' 10'	4.0' 6.0' 8.0' 10.0'	199 88 50 32	6.7' 10.1' 13.4' 16.8'	4.1' 6.2' 8.2' 10.3'
70W PAR38 (MC/MH) SP	15°	50,000	7,500	15' 20' 25' 30'	222 125 80 56	3.9' 5.3' 6.6' 7.9'	3.9' 5.3' 6.6' 7.9'	10' 15' 20' 25'	5.8' 8.7' 11.5' 14.4'	325 144 81 52	3.5' 5.3' 7.1' 8.8'	3.0' 4.6' 6.1' 7.6'	5' 8' 11' 14'	8.7' 13.9' 19.1' 24.2'	250 98 52 32	5.6' 8.9' 12.2' 15.6'	2.6' 4.2' 5.8' 7.4'	8' 12' 16' 20'	8.0' 12.0' 16.0' 20.0'	276 123 69 44	4.3' 6.4' 8.6' 10.7'	3.0' 4.5' 6.0' 7.49'
70W PAR38 (MC/MH) FL	26°	18,000	7,500	8' 12' 16' 20'	281 125 70 45	3.5' 5.3' 7.1' 8.9'	3.5' 5.3' 7.1' 8.9'	7' 10' 13' 16'	4.0' 5.8' 7.5' 9.2'	239 117 69 46	4.2' 6.0' 7.8' 9.6'	3.6' 5.1' 6.7' 8.2'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	250 141 90 63	6.2' 8.3' 10.4' 12.5'	2.7' 3.5' 4.4' 5.3'	5' 7' 9' 11'	5.0' 7.0' 9.0' 11.0'	255 130 79 53	4.7' 6.5' 8.4' 10.3'	3.1' 4.4' 5.6' 6.9'
70W PAR38 (MC/MH) WFL	60°	5,000	7,500	6' 8' 10' 12'	139 78 50 35	6.9' 9.2' 11.5' 13.9'	6.9' 9.2' 11.5' 13.9'	5' 7' 9' 11'	2.9' 4.0' 5.2' 6.4'	130 66 40 27	8.7' 12.1' 15.6' 19.1'	6.7' 9.3' 12.0' 14.7'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	156 69 39 25	* * * *	4.6' 6.9' 9.2' 11.5'	3' 5' 7' 9'	3.0' 5.0' 7.0' 9.0'	196 71 36 22	10.4' 17.3' 24.2' 31.2'	4.9' 8.2' 11.4' 14.7'
100W PAR38 (MC/MH) SP	15°	70,000	10,000	15' 20' 25' 30'	311 175 112 78	3.9' 5.3' 6.6' 7.9'	3.9' 5.3' 6.6' 7.9'	10' 15' 20' 25'	5.8' 8.7' 11.5' 14.4'	455 202 114 73	3.5' 5.3' 7.1' 8.8'	3.0' 4.6' 6.1' 7.6'	5' 8' 11' 14'	8.7' 13.9' 19.1' 24.2'	350 137 72 45	5.6' 8.9' 12.2' 15.6'	2.6' 4.2' 5.8' 7.4'	8' 12' 16' 20'	8.0' 12.0' 16.0' 20.0'	387 172 97 62	4.3' 6.4' 8.6' 10.7'	3.0' 4.5' 6.0' 7.4'
100W PAR38 (MC/MH) FL	25°	25,000	10,000	10' 15' 20' 25'	250 111 63 40	4.4' 6.7' 8.9' 11.1'	4.4' 6.7' 8.9' 11.1'	8' 12' 16' 20'	4.6' 6.9' 9.2' 11.5'	254 113 63 41	4.8' 7.2' 9.6' 12.0'	4.1' 6.1' 8.2' 10.2'	4' 6' 8' 10'	6.9' 10.4' 13.9' 17.3'	195 87 49 31	8.3' 12.5' 16.6' 20.8'	3.5' 5.3' 7.1' 8.9'	6' 9' 12' 15'	6.0' 9.0' 12.0' 15.0'	246 109 61 39	5.6' 8.4' 11.2' 14.0'	3.8' 5.6' 7.5' 9.4'
100W PAR38 (MC/MH) WFL	60°	7,000	10,000	6' 8' 10' 12'	194 109 70 49	6.9' 9.2' 11.5' 13.9'	6.9' 9.2' 11.5' 13.9'	5' 7' 9' 11'	2.9' 4.0' 5.2' 6.4'	182 93 56 38	8.7' 12.1' 15.6' 19.1'	6.7' 9.3' 12.0' 14.7'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	219 97 55 35	* * * *	4.6' 6.9' 9.2' 11.5'	3' 5' 7' 9'	3.0' 5.0' 7.0' 9.0'	275 99 51 31	10.4' 17.3' 24.2' 31.2'	4.9' 8.2' 11.4' 14.7'
MR16 Metal halide (ceramic arc tube) lamps																						
20W MR16 (CMH20) SP	12°	9,000	9,000	8' 10' 12' 14'	141 90 63 46	1.7' 2.1' 2.5' 2.9'	1.7' 2.1' 2.5' 2.9'	8' 10' 12' 14'	4.6' 5.8' 6.9' 8.1'	91 58 41 30	2.3' 2.8' 3.4' 3.9'	1.9' 2.4' 2.9' 3.4'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	125 70 45 31	2.6' 3.5' 4.3' 5.2'	1.3' 1.7' 2.1' 2.5'	4' 5' 6' 7'	4.0' 5.0' 6.0' 7.0'	199 127 88 65	1.7' 2.1' 2.6' 3.0'	1.2' 1.5' 1.8' 2.1'
20W MR16 (CMH20) FL	25°	2,900	9,000	6' 8' 10' 12'	81 45 29 20	2.7' 3.5' 4.4' 5.3'	2.7' 3.5' 4.4' 5.3'	6' 8' 10' 12'	3.5' 4.6' 5.8' 6.9'	52 29 19 13	3.6' 4.8' 6.0' 7.2'	3.1' 4.1' 5.1' 6.1'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	91 40 23 15	4.2' 6.2' 8.3' 10.4'	1.8' 2.7' 3.5' 4.4'	3' 4' 5' 6'	3.0' 4.0' 5.0' 6.0'	114 64 41 28	2.8' 3.7' 4.7' 5.6'	1.9' 2.5' 3.1' 3.8'
20W MR16 (CMH20) WFL	40°	1,500	9,000	6' 8' 10' 12'	42 23 15 10	4.4' 5.8' 7.3' 8.7'	4.4' 5.8' 7.3' 8.7'	4' 6' 8' 10'	2.3' 3.5' 4.6' 5.8'	61 27 15 10	4.1' 6.1' 8.1' 10.2'	3.4' 5.0' 6.7' 8.4'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	47 21 12 8	9.7' 14.5' 19.3' 24.2'	2.9' 4.4' 5.8' 7.3'	2' 3' 4' 5'	2.0' 3.0' 4.0' 5.0'	133 59 33 21	3.4' 5.0' 6.7' 8.4'	2.1' 3.1' 4.1' 5.1'

*Exceeds useable limits.

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