CHLORIDE SYSTEMS

solid state lighting

emergency lighting & accessories

exit signs & wayfinding signage

ballasts, controls & central systems

Chloride Systems is a Philips group brand

PHILIPS

Reliance You Expect
If you are working on a new project or upgrading an existing one, make Chloride Systems your choice for life safety. For over 35 years, we have provided our architectural, commercial and industrial customers with a wide range of emergency lighting, solid state lighting, exit signs, AC systems and accessories. Our emergency product offerings are designed for high-performance, have a longer service life and a better quality construction than you will find in the market place.

Located in the U.S.A.
In our southeastern North Carolina facility, Chloride Systems has combined research and development, sales, marketing, manufacturing and administrative services into a single location. This allows us to remain focused towards providing innovative, energy-saving, emergency lighting solutions for our customers.

Leading Innovation and Sustainability
Some of our newest products in this catalog were designed to utilize the latest in white LED solid state lighting technology, combined with sophisticated battery and charger combinations. Our ability to offer normally on solid state drivers delivers a stylish, energy-efficient solution for your indoor and outdoor emergency/security lighting applications.

You can also view our full product line at: www.chloridesys.com

If you would like to join our mailing list to receive new product and literature updates, please log on to our website, click on the “Request A Catalog” page and then click “Join Mailing List”.

Cover photo courtesy of VC Architects (Florida)

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UL listed product

Buy American compliant

ETL listed product

Product with Intelli-Charge diagnostics

Diskuss

indoor/outdoor architectural LED lighting

features

120/277 VAC, 60 Hz dual voltage input
Dedicated normally on input may be controlled by switching, dimming, photocell or time clock
Maintenance-free, sealed nickel metal hydride battery (battery option)
Premium die cast aluminum components, impact-resistant polycarbonate lens
Two independently driven, field-replaceable, white LED light engines offer even illumination with a custom refector design
Standard Intelli-Charge self-diagnostics, self-testing is optional on self-powered emergency models (see page 76 for Intelli-Charge features)
Optional emergency packages for compatibility with generators, inverters and remote emergency input
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
UL 1598 and 924 listed, UL wet location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, ADA compliant

electrical specifications

Input power requirements:
AC Only Models: 120 VAC = 0.203 A, 277 VAC = 0.087 A
AC Only, 2 Circuit Models: 120 VAC = 0.203 A, 277 VAC = 0.087 A
Self-Powered Models: 120 VAC = 0.198 A, 277 VAC = 0.088 A
Self-Powered Models With Heater: 120 VAC = 0.366 A, 277 VAC = 0.148 A

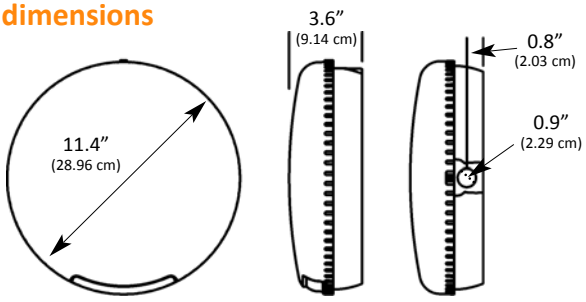
operating temperature range

AC Only Models - Standard Wet Location: -40°F (-40°C) to 104°F (40°C)
Standard Wet Location w/ 2CKT Option: -40°F (-40°C) to 104°F (40°C)
Self-Powered Models - Standard Wet Location: 32°F (0°C) to 104°F (40°C)
Standard Wet Location w/ Heater Option: -40°F (-40°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

D			IC	
SERIES	BATTERY	HOUSING FINISH	MODEL DESIGNATOR	OPTIONS

SERIES
D = Diskuss LED Lighting Fixture

BATTERY
A = AC Only
N = Self-Powered Emergency Unit with Nickel Metal Hydride Battery (NiMH)

HOUSING FINISH
W = White
B = Black
A = Aluminum
G = Gunmetal
BR = Ornamental Bronze
AC = Aged Copper
VG = Velvet Green
N = Nickel
GA = Granite

MODEL DESIGNATOR
IC = Intelli-Charge Diagnostic Electronics

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)
HR = Heater Option for -40°C to 40°C Ambient
T = Self-Testing Diagnostics
TA = Audible Self-Testing Diagnostics
TD = Time Delay

ACCESSORIES
(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
T10TPTOOL = Tamperproof Screwdriver

OptaLite

low-level architectural LED lighting

features

120/277 VAC, 60 Hz dual voltage input
Dedicated normally on input may be controlled by switching, dimming, photocell or time clock
Maintenance-free, sealed nickel metal hydride battery (battery option)
Premium die cast aluminum components, impact-resistant polycarbonate lens
Two independently driven, field-replaceable, white LED light engines offer even illumination with a custom reflector design
Standard Intelli-Charge self-diagnostics, self-testing is optional on self-powered emergency models (see page 76 for Intelli-Charge features)
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
UL 1598 and 924 listed, UL damp and wet location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, ADA compliant when recessed mounted

electrical specifications

Input power requirements:
AC Only Models: 120 VAC = 0.203 A, 277 VAC = 0.087 A
AC Only, 2 Circuit Models: 120 VAC = 0.203 A, 277 VAC = 0.087 A
Self-Powered Models: 120 VAC = 0.198 A, 277 VAC = 0.088 A
Self-Powered Models With Heater: 120 VAC = 0.366 A, 277 VAC = 0.148 A

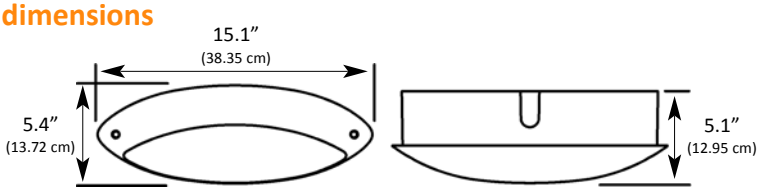
operating temperature range

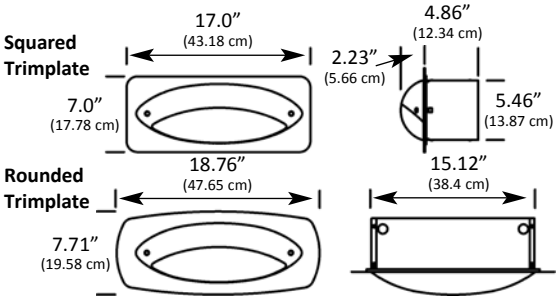
AC Only Models - Standard Wet Location: -40°F (-40°C) to 104°F (40°C)
Standard Wet Location w/ 2CKT Option: -40°F (-40°C) to 104°F (40°C)
Self-Powered Models - Standard Wet Location: 32°F (0°C) to 104°F (40°C)
Standard Wet Location w/ Heater Option: -40°F (-40°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions





ordering information

OP			IC	
SERIES	BATTERY	HOUSING FINISH	MODEL DESIGNATOR	OPTIONS

OP = OptaLite Series White LED Luminaire

A = AC Only
N = Nickel Metal Hydride Battery (NiMH)

W = White
B = Black
A = Aluminum
G = Gunmetal
BR = Ornamental Bronze
AC = Aged Copper
VG = Velvet Green
N = Nickel
GA = Granite

IC = Intelli-Charge Diagnostics

2CKT1 = Two-Circuit 120/120 VAC (AC only models)
2CKT2 = Two-Circuit 277/277 VAC (AC only models)
CPR = Concrete-Pour Backbox, Rounded Trimplate[1]
CPS = Concrete-Pour Backbox, Squared Trimplate[1]
DC = Universal 12-48 VDC Remote Emergency Input (AC only models)
EX = Special Input Transformer (specify voltage & frequency)[2]
HR = Heater Option for -40°C to 40°C Ambient
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) Some options impact UL listing. Consult factory for specifics.

ACCESSORIES
(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
T10TPTOOL = Tamperproof Driver and Bit
RCPBBXX* = Concrete Pour Back Box, Rounded Trimplate
SCPBBXX* = Concrete Pour Back Box, Squared Trimplate

* Fill in Housing Finish color for "XX" to order matching trimplate color.

Fusion III

architectural ceiling recessed LED lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel metal hydride battery (battery option)
Premium die cast aluminum components, impact-resistant polycarbonate lens
Two independently driven, field-replaceable, white LED light engines offer even illumination with a custom reflector design
Standard Intelli-Charge self-diagnostics, self-testing is optional on self-powered emergency models (see page 76 for Intelli-Charge features)
Optional emergency packages for compatibility with generators, inverters and remote emergency input
Available in a full range of architecturally inspired finishes (see below for color examples)
UL 1598 Non-IC and UL 924 listed, UL damp location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements:
AC Only Models: 120 VAC = 0.203 A, 277 VAC = 0.087 A
Self-Powered Models: 120 VAC = 0.198 A, 277 VAC = 0.088 A

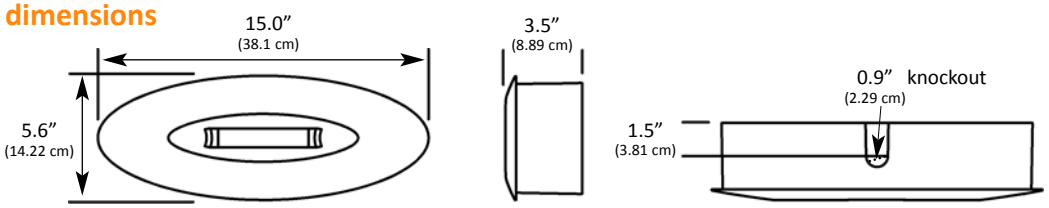
operating temperature range

AC Only and 2-CKT Models - Standard Damp Location: -40°F (-40°C) to 104°F (40°C)
Self-Powered Models - Standard Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions

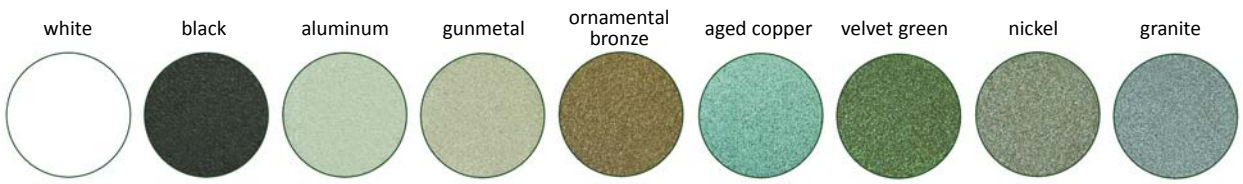


ordering information

F3			IC	
SERIES	BATTERY	HOUSING FINISH	MODEL DESIGNATOR	OPTIONS
F3 = Fusion III LED Fixture	A = AC Only N = Self-Powered Emergency Unit with Nickel Metal Hydride Battery (NiMH)	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GA = Granite	IC = Intelli-Charge Diagnostics	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 TA = Audible Self-Testing Diagnostics TP = Tamperproof

ACCESSORIES
(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
T15TPTOOL = Tamperproof Screwdriver

NOTE: 1) Some options impact UL listing. Consult factory for specifics.



color examples are representative and may vary from actual housing powder coat color

PathMaster

emergency/security low-level LED lighting

features

12 VAC, 12 VDC or 120 VAC, 50/60 Hz input
Premium die cast aluminum components
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Intensity control dip switch allows for high, medium and low output modes
UL wet location listed standard for indoor/outdoor use, UL 1598 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted lighting fixtures

electrical specifications

Input power requirements: 12 VDC = 0.47 A, 12 VAC = 0.72 A, 120 VAC = 0.09 A

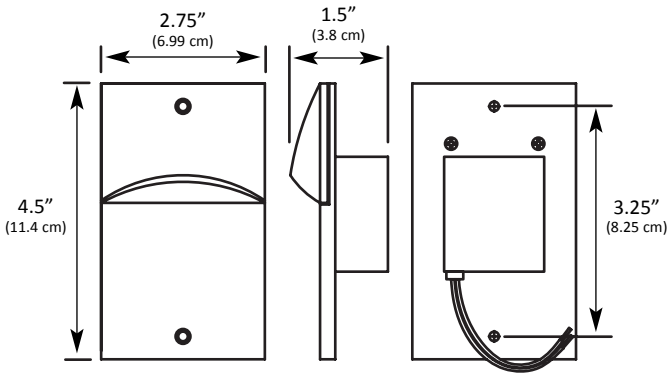
operating temperature range

Standard: -31°F (-35°C) to 104°F (40°C)

warranty

Electronics - five years full

dimensions



ordering information

P		S		
SERIES	INPUT VOLTAGE	LENS	FINISH	DRIVER OPTION
P = PathMaster	1 = 12 V AC, DC 2 = 120 V AC	S = Satin	WH = White BK = Black IV = Ivory A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GA = Granite	Blank = Adjustable Dip Switch DIM = Line Voltage Dimmable[1]

NOTE:
1) Line voltage dimmable driver available only with 120VAC (P2) models.

Splendore

architectural emergency LED lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel metal hydride battery
Microprocessor-based, self-testing diagnostics standard
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Specular Miro 4 (Alanod™) aluminum reflector
Die cast and extruded aluminum housing
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
Built-in infrared receiver for remote testing
UL 924 listed, UL damp location listing optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.09 A, 277 VAC = 0.03 A

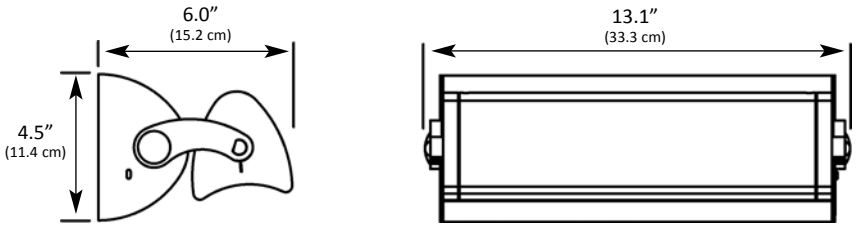
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

S		
SERIES	HOUSING COLOR	OPTIONS
S = Splendore	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel Consult factory for other colors.	TP = Tamperproof DL = Damp Location

ACCESSORIES
(Order As A Separate Line Item)
CHLREMOTE = Infrared Remote Control

Splendore Normally On

dimmable normally on LED lighting with
optional emergency input

features

120/277 VAC, 60 Hz dual voltage input
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Specular Miro 4 (Alanod™) aluminum reflector
Die cast and extruded aluminum housing
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
UL 924 listed, UL damp listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.10 A, 277 VAC = 0.04 A

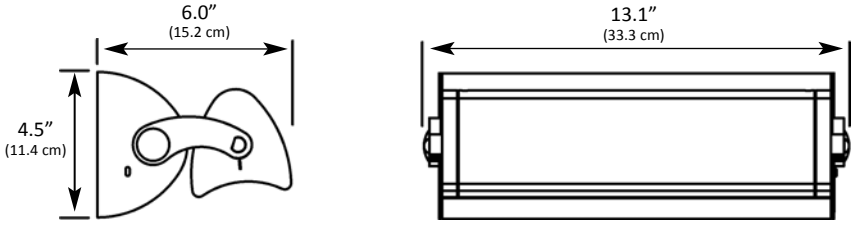
operating temperature range

-22°F (-30°C) to 104°F (40°C)

warranty

Electronics - three years full

dimensions



ordering information

SNO			
SERIES	**HOUSING COLOR**	**INPUT VOLTAGE OPTIONS**	**OPTIONS**
SNO = Splendore Normally On	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel Consult factory for other colors.	Blank = 120/277 VAC No Emergency 2CKT1 = 120/120 2-Circuit 2CKT2 = 277/277 2-Circuit	TP = Tamperproof

ACCESSORIES
(Order As A Separate Line Item)
T10TPTOOL = Tamperproof Tool with Bit

Fusion

fully-recessed architectural
emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
Backbox constructed of 20 gauge galvanized steel
Cover and diffusers constructed of impact-resistant polycarbonate
Faceplate may be painted or wallpapered to match wall or ceiling decor
Illumination is provided by two high-performance, 35 watt MR16 lamps with a reflector system
90° head rotation for corner installations
UL 924 listed for insulated ceilings (IC)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted lighting fixtures

electrical specifications

Input power requirements: 120 VAC = 0.27 A, 277 VAC = 0.13 A

operating temperature range

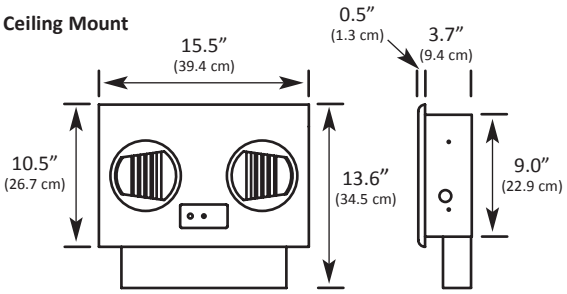
65°F (19°C) to 85°F (30°C)

warranty

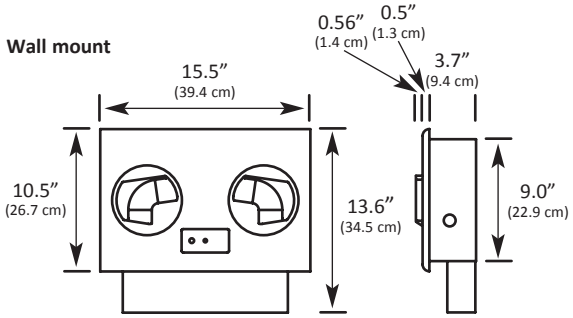
Electronics - three years full; Battery - one year full, four years pro-rata

dimensions

Ceiling Mount



Wall mount



ordering information

F	1		IC	
SERIES	WATTAGE	HOUSING COLOR	MODEL DESIGNATOR	OPTIONS
F = Fusion Concealed Emergency Unit	1 = 72 Watt	W = White B = Black	IC = Intelli-Charge Diagnostics	EX = Special Input Transformer (must specify voltage & frequency)[1] T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay[2] TP = Tamperproof

ACCESSORIES
(Order As A Separate Line Item)
FBHK = Bar Hanger Kit for Mechanical Ceilings
T15TPTOOL = Tamperproof Screwdriver
WMLK = Wall Mount Lens Kit
CMLK = Ceiling Mount Lens Kit
RPLTSW = Remote Test Switch Kit for Single Gang Wall Box 120 VAC
ICIR = Intelli-Charge Infra-Red Remote

NOTE:
1) Some options impact UL listing. Consult factory for specifics.
2) 15 minute time delay.

Fusion²

fully-recessed architectural emergency lighting
specially designed for suspended ceiling installations

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
Backbox constructed of 14 gauge galvanized steel
Patented optical assembly constructed of impact-resistant polycarbonate
Suspended ceiling mounting installation
Illumination is provided by two high-performance, 35 watt MR16 lamps with a reflector system
90° head rotation for corner installations
UL 924 listed for suspended ceiling systems
IC rated for insulated suspended ceilings
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.27 A, 277 VAC = 0.13 A

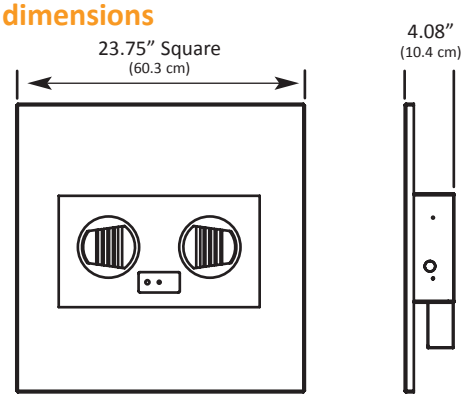
operating temperature range

65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

F2		IC	
SERIES	HOUSING COLOR	MODEL DESIGNATOR	OPTIONS
F2 = Fusion 2x2 Emergency Unit	W = White B = Black	IC = Intelli-Charge Diagnostics	EX = Special Input Transformer (must specify voltage & frequency)[1] T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay[2] TP = Tamperproof

ACCESSORIES
(Order As A Separate Line Item)
F2BHK = Bar Hanger Kit
T15TPTOOL = Tamperproof Screwdriver
RPLTSW = Remote Test Switch Kit for Single Gang Wall Box
ICIR = Intelli-Charge Infra-Red Remote

NOTE:
1) Some options impact UL listing. Consult factory for specifics.
2) 15 minute time delay.

Fusion Remote & SVR16

remote emergency lighting fixtures

Fusion Remote features

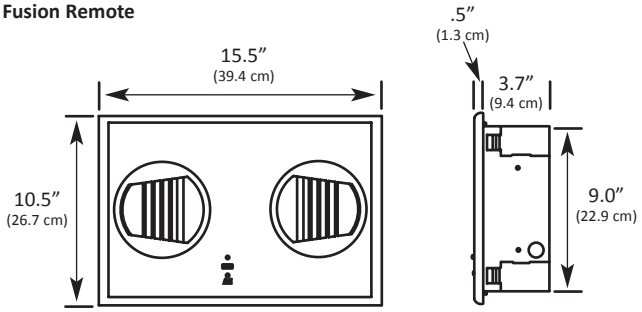
12 volt, 70 watt remote emergency lighting fixture
Fully recessed, architectural emergency lighting that is suitable for wall or ceiling mounting
Illumination is provided by two high-performance, 35 watt MR16 lamps combined with a reflector system
Backbox constructed of 20 gauge galvanized steel
Flush cover and diffusers constructed of impact-resistant polycarbonate
UL 924 listed for insulated ceiling systems (IC rating)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted fixtures

SVR16 features

6 VDC, 5.5 watt or 12 VDC, 12 watt MR16 lamps that are fully adjustable
Housing and backplate are injection molded from a premium impact-resistant polycarbonate
Wet location versions include a standard gasket kit
UL 924 listed
UL 924 wet location listed
Operating temperature range: -49°F (-45°C) to 140°F (60°C)

dimensions

Fusion Remote



ordering information

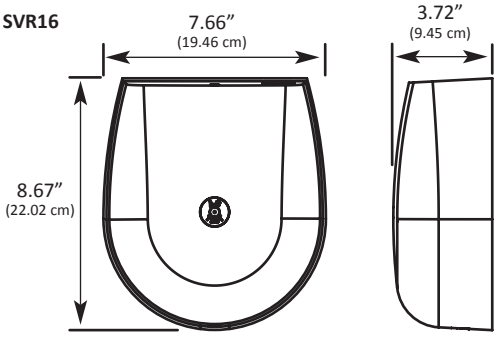
Fusion Remote

F1R		
SERIES	**HOUSING COLOR**	**OPTIONS**
F1R = Remote Fusion, 70 Watt Concealed, Emergency Unit	W = White B = Black	TP = Tamperproof

ACCESSORIES
(Order As A Separate Line Item)
T15TPTOOL = Tamperproof Screwdriver
FBHK = Bar Hanger Kit for Mechanical Ceilings
WMLK = Wall Mount Lens Kit

dimensions

SVR16



ordering information

SVR16

SVR16		
SERIES	**HOUSING COLOR**	**LAMP TYPE**
SVR16 = Symmetry Series Remote	W = White B = Black BZ = Bronze	Blank = 6 Volt, 5.5 Watt MR16 12 = 12 Volt, 12 Watt MR16

ACCESSORIES
(Order As A Separate Line Item)
T15TPTOOL = Tamperproof Tool

GM2-GM3

decorative emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 volt, 11 or 17 watt units
Maintenance-free, sealed lead calcium battery
6 watt remote capability with GM3 unit
Two fully-adjustable, polycarbonate, 5.4 watt T-5 lamp heads
Labor-saving, snap-together design eases installation
Surface wall or ceiling installation
Impact-resistant UL 94 V-0, 5 VA thermoplastic (completely self-contained)
White housing is standard with black housing option available
Optional self-diagnostics
UL 924 listed, UL damp location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.045 A, 277 VAC = 0.020 A

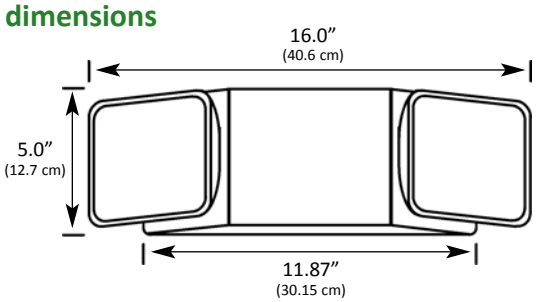
operating temperature range

Damp Location: 68°F (20°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

SERIES	HOUSING COLOR	OPTIONS
GM2 = 6 Volt, 11 Watt Emergency Lighting Fixture GM3 = 6 Volt, 17 Watt Emergency Lighting Fixture with 6 Watt Remote Capability	Blank = White B = Black	AD = Self-Diagnostics (available in white housing only)

GM4

decorative emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 volt, 11 watt unit
Maintenance-free, sealed lead calcium battery
Surface wall or ceiling installation
Impact-resistant UL 94 V-0, 5 VA thermoplastic
Labor-saving, snap-together design eases installation
Backplate with matching knockouts simplifies installation to standard junction boxes
Two 6 VDC, 5.4 watt T-5 lamps with flush-mounted fresnel lenses
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.060 A, 277 VAC = 0.031 A

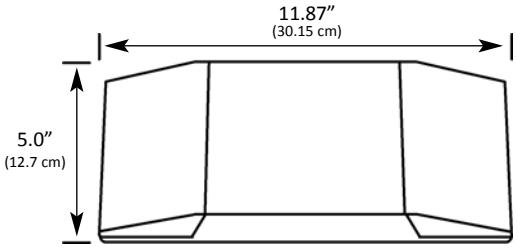
operating temperature range

Standard Location: 68°F (20°C) to 86°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

GM4	
SERIES	HOUSING COLOR
GM4 = 6 Volt, 11 Watt Emergency Lighting Fixture	Blank = White

C6/C12

commercial grade emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 50 to 100 watt units
Maintenance-free, sealed lead calcium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing and lamp heads
Off-white housing is standard
Illumination provided by two 6 VDC or 12 VDC, 9 watt, fully adjustable Par 36 lamp heads
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.11 A, 277 VAC = 0.05 A

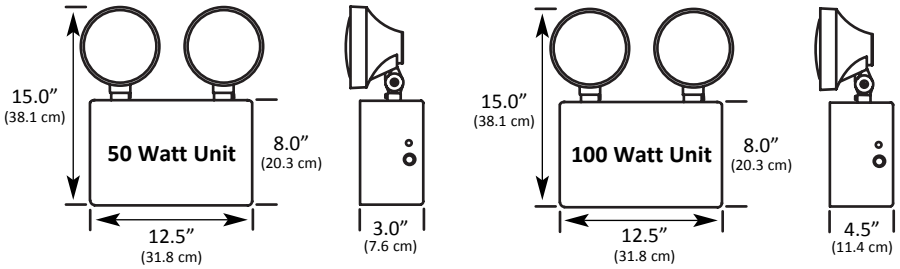
operating temperature range

65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

SERIES

C650 = 6 Volt, 50 Watt Unit
C6100 = 6 Volt, 100 Watt Unit
C1250 = 12 Volt, 50 Watt Unit
C12100 = 12 Volt, 100 Watt Unit

Symmetry Series

contemporary emergency lighting
6 volt, 12 to 18 watt units

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or sealed nickel cadmium battery
6 volt, 12 to 18 watt units
Reliable, economical, contemporary emergency lighting suitable for wall mounting
Integral, adjustable lamps can be adjusted 180° vertically and horizontally
Multiple lamp types available
Impact-resistant, UL 94 V-0, 5 VA thermoplastic
Modular plug-in wiring harness allows line voltage connections in either the junction box or product housing
UL 924 listed, meets ADA specifications for wall mounted fixtures
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements:
12 Watt Unit = 0.112 A (120 VAC), 0.062 A (277 VAC)
14 to 18 Watt Units = 0.077 A (120 VAC), 0.034 A (277 VAC)

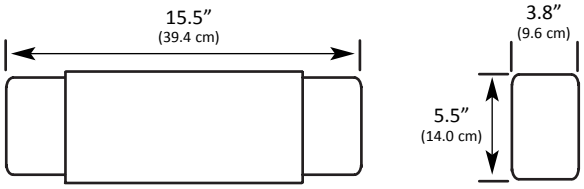
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

S			
SERIES	**BATTERY/WATTAGE**	**LAMP TYPE[1]**	**HOUSING COLOR**
S = Symmetry Series Thermoplastic Emergency Lighting Unit	Lead Calcium 12L = 12 Watt Unit 18L = 18 Watt Unit Nickel Cadmium 12N = 12 Watt Unit 14N = 14 Watt Unit 18N = 18 Watt Unit	T6 = Tungsten 6 Watt T7 = Tungsten 7 Watt T9 = Tungsten 9 Watt H7 = Halogen 7 Watt	W = White B = Black

NOTE: 1) Selected lamp wattage cannot exceed unit output rating.

ACCESSORIES
(Order As A Separate Line Item)
SCKTW = White Canopy Kit for Ceiling Mount
SCKTW = Black Canopy Kit for Ceiling Mount
WG5 = Wire Guard
PCS1 = Polycarbonate Vandal Shield

Symmetry Series

contemporary emergency lighting
6 or 12 volt, 18 to 72 watt units

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or sealed nickel cadmium battery
6 or 12 volt, 18 to 72 watt units
Reliable, economical, contemporary emergency lighting product suitable for wall mounting
Integral, adjustable lamps can be adjusted 180° vertically and horizontally, multiple lamp types available
Impact-resistant, UL 94 V-0, 5 VA thermoplastic
Modular plug-in wiring harness allows line voltage connections in either the junction box or product housing
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
UL 924 listed, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements:
6 VDC Models = 0.139 A (120 VAC), 0.060 A (277 VAC)
12 VDC Models = 0.288 A (120 VAC), 0.125 A (277 VAC)

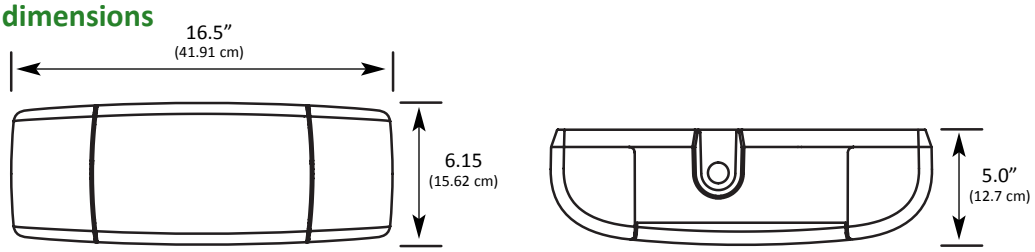
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES	BATTERY/WATTAGE	LAMP TYPE	HOUSING COLOR	MODEL DESIGNATOR	OPTIONS[2]
S = 6 Volt, Symmetry Series Thermoplastic Emergency Lighting Unit S2[1] = 12 Volt, Symmetry Series Thermoplastic Emergency Lighting Unit	Lead Calcium 18L = 18 Watt Unit[5] 25L = 25 Watt Unit 36L = 36 Watt Unit 50L = 50 Watt Unit 72L = 72 Watt Unit Nickel Cadmium 25N = 25 Watt Unit 50N = 50 Watt Unit	6 Volt H6 = Halogen 6 Watt H7 = Halogen 7 Watt H10 = Halogen 10 Watt H12 = Halogen 12 Watt 12 Volt T12 = Halogen 12 Watt H12 = Halogen 12 Watt MR16 Flood H20F = Halogen 20 Watt MR16 Flood H20S = Halogen 20 Watt MR16 Spot	W = White B = Black	IC = Intelli-Charge Diagnostics	A = Ammeter ACF = 120/277 VAC Input Fuse ACP = 120/277 VAC Power Switch DCP = DC Battery Disconnect Switch DL = Damp Location Listing[4] EX = Special Input Transformer[2] (specify voltage & frequency) T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay[3] TP = Torx Tamperpoof Hardware, Includes Bit V = Voltmeter

NOTE:
1) 12 VDC models only available in 36, 50 and 72 watt lead calcium, 25 and 50 watt nickel cadmium.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) 15 minute delay.
4) 72 watt units not available with DL option.
5) 18 watt units not available in 12 V models.

ACCESSORIES
(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
PCS1 = Polycarbonate Vandal Shield
WG5 = Wire Guard
SUMK = Universal Mounting Kit for Columns, Poles and I-beams
T15TPTOOL = Tamperproof Driver and Bit

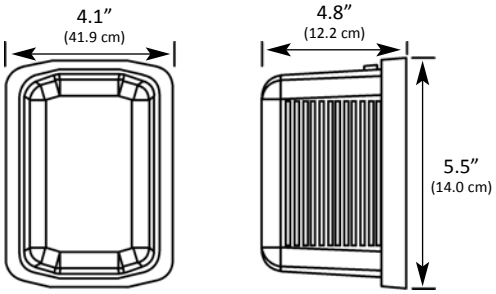
Symmetry Series

contemporary remote emergency lighting

features

Two distinct remote head designs
6 or 12 volt, 6 to 20 watt units
Suitable for wall or ceiling mounting, ideal for damp locations
“S” series is gasketed for outdoor use
A wide variety of lamps to meet specific egress requirements
High-performance, specular, parabolic reflector lamps can be adjusted 180° vertically and horizontally
Backplate constructed of impact-resistant, UL 94 V-0, 5 VA thermoplastic
Furnished low-voltage supply wires (12") are connected at the junction box to either a 6 VDC or 12 VDC emergency power source
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, meets ADA specifications for wall mounted lighting fixtures

dimensions

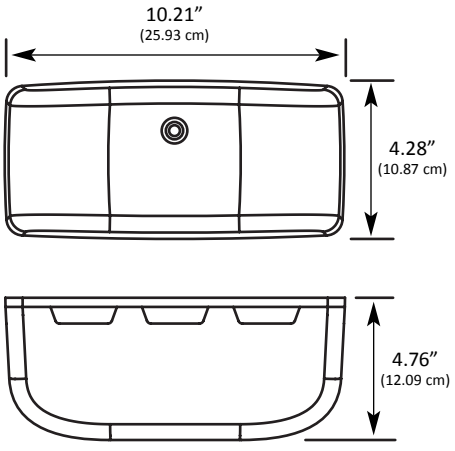


ordering information

S			
SERIES	**LAMP WATTAGE/VOLTAGE**	**BACKPLATE COLOR**	**OPTIONS**
S = Symmetry Series	6 Volt, Tungsten T-5 Wedge Base T66 = 6 Watt, 6 VDC T76 = 7 Watt, 6 VDC T96 = 9 Watt, 6 VDC 6 Volt, Halogen T-2 1/4 Wedge Base H76 = 7 Watt, 6 VDC H106 = 10 Watt, 6 VDC H126 = 12 Watt, 6 VDC 6 Volt, Halogen MR11 Style MR5 = Single 5 Watt MR10 = Double 5 Watt 12 Volt, Tungsten T912 = 9 Watt, 12 VDC T1212 = 12 Watt, 12 VDC T1812 = 18 Watt, 12 VDC 12 Volt, Halogen H1212 = 12 Watt, 12 VDC 12 Volt, Halogen MR16 Style[1] H2012 = 20 Watt, 12 VDC	W = White B = Black	G = Gasketed for Outdoor Use[2]

NOTE:
1) Halogen 20 watt, 12 VDC lamp is a MR16 style.
2) 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



ordering information

SERIES	**LAMP WATTAGE/VOLTAGE**	**HOUSING COLOR**
SR = 6 Volt Symmetry Series SR2 = 12 Volt Symmetry Series	6 Volt H6 = 6 Watt Halogen H7 = 7 Watt Halogen H10 = 10 Watt Halogen H12 = 12 Watt Halogen 12 Volt T12 = 12 Watt Halogen H12 = 12 Watt Halogen MR16 Flood H20F = 20 Watt Halogen MR16 Flood H20S = 20 Watt Halogen MR16 Spot	W = White B = Black

6MF/12MF Series

general duty thermoplastic unit

features

120/277 VAC, 60 Hz dual voltage input
6 volt, 14 to 50 watts; 12 volt, 25 to 50 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Universal j-box mounting pattern, keyhole slots or shelf mounting
Can mount up to three lamp heads
Preferred "J" Series rectangular lamp head incorporates a high-performance, parabolic reflector with a wedge base tungsten lamp
Optional self-diagnostics
UL 924 listed, optional UL damp location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.18 A, 277 VAC = 0.08 A

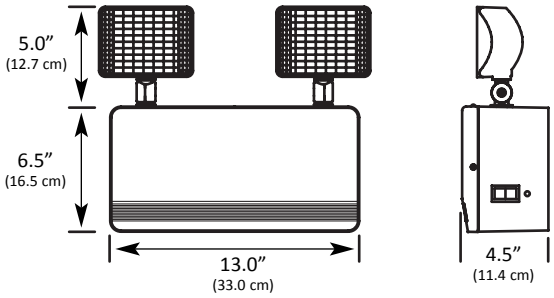
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

		W			
SERIES	DC WATTAGE	HOUSING COLOR	LAMP HEADS	# OF HEADS	OPTIONS[1]

SERIES

6MF = 6 Volt, Lead Calcium
6NMF = 6 Volt, Nickel Cadmium
12MF = 12 Volt, Lead Calcium
12NMF = 12 Volt, Nickel Cadmium

ACCESSORIES

(Order As A Separate Line Item)
MSSHELFW = White Mounting Shelf

NOTE:
1) Some option combinations may impact UL listing.Consult factory for specifics.
2) Not available with AD, ADAL or ADTD options.
3) 15 minute delay.

DC WATTAGE

6 Volt, Lead Calcium
18 = 18 Watt
25 = 25 Watt
36 = 36 Watt
50 = 50 Watt
12 Volt, Lead Calcium
36 = 36 Watt
50 = 50 Watt
6 Volt, Nickel Cadmium
14 = 14 Watt
18 = 18 Watt
25 = 25 Watt
50 = 50 Watt
12 Volt, Nickel Cadmium
25 = 25 Watt
50 = 50 Watt

HOUSING COLOR

W = White

LAMP HEADS

6 V
J66 = 5.4 Watt
J76 = 7.2 Watt
J96 = 9.0 Watt

12 V
J912 = 9.0 Watt
J1212 = 12.5 Watt
J1812 = 18.0 Watt

Optional heads available, consult factory or refer to lamp heads page.

 # OF HEADS

2 = Two
1 = One
Blank = No Heads

OPTIONS[1]

A = Ammeter[2]
ACF1 = 120 VAC Fuse
ACF2 = 277 VAC Fuse
ACP1 = 120 VAC Power Switch
ACP2 = 277 VAC Power Switch
AD = Accu-Test Self-Diagnostics
ADAL = Accu-Test with Alarm
ADTD = Accu-Test with Time Delay[3]
DCP = DC Power Switch
DL = Damp Location (lead calcium only)[2]
EX = Special Input Transformer[1] (specify voltage & frequency)
I = Factory Installed Lamp Heads
TD1 = 120 VAC Time Delay
TD2 = 277 VAC Time Delay
V = Voltmeter[2]

CMF/CNM Series

commercial/light industrial
6 volt, 25 to 100 watt units

features

120/277 VAC, 60 Hz dual voltage input; 6 volt, 25 to 100 watt units
Maintenance-free, sealed lead calcium or nickel cadmium battery
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
Housing is constructed of 20 gauge (25 to 50 watt) or 18 gauge (75 to 100 watt) steel, corrosion-resistant, epoxy powder coat white finish
Illumination is accomplished with up to two lamp heads (25 to 50 watt units) mounted on the top or side, or three lamp heads (75 to 100 watt units) mounted on the top, side or bottom of the housing
UL 924 listed, UL damp location listing option, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
City of Chicago Approved (CHY heads only), New York City Approved (consult factory for specific approvals)

electrical specifications

Input power requirements:
6 Volt Lead Calcium: 25 to 100 Watt Units = 0.125 A (120 VAC), 0.060 A (277 VAC)
6 Volt Nickel Cadmium: 25 to 50 Watt Units = 0.159 A (120 VAC), 0.065 A (277 VAC)
75 Watt Units = 0.223 A (120 VAC), 0.094 A (277 VAC)

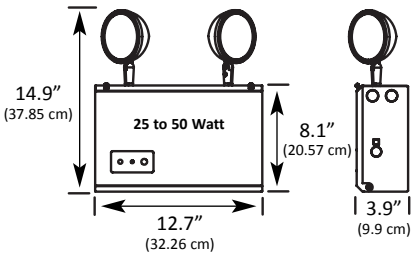
operating temperature range

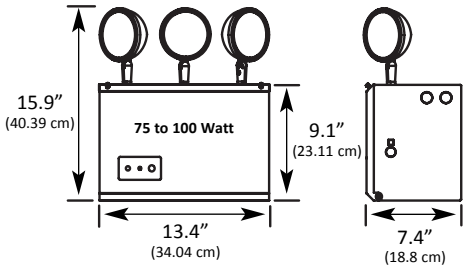
Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions





ordering information

			IC	
SERIES	LAMP HEADS	# OF HEADS	MODEL DESIGNATOR	OPTIONS

SERIES

6 Volt, Lead Calcium
CMF25 = 25 Watt
CMF36 = 36 Watt
CMF50 = 50 Watt
CMF75 = 75 Watt
CMF100 = 100 Watt
6 Volt, Nickel Cadmium
CNM25 = 25 Watt
CNM50 = 50 Watt
CNM75 = 75 Watt

LAMP HEADS

(Metal Chrome PAR 36)
6 VDC Tungsten
Y = 8 Watt
A = 18 Watt
L = 25 Watt
C = 30 Watt
6 VDC Halogen
F = 6 Watt
Q = 8 Watt
CHY = 12 Watt

 # OF HEADS

3 = Three[4]
2 = Two
1 = One
Blank = No Heads

MODEL DESIGNATOR

IC = Intelli-Charge Diagnostics

OPTIONS

A = Ammeter
BD = Battery Disconnect Switch
BM = Lamp Heads Installed on Bottom of Enclosure[2]
DL = UL Damp Location Listed (0°C to 40°C)
EX = Special Input Transformer (specify voltage & frequency)[1]
F1 = 120 VAC Input Fuse
F2 = 277 VAC Input Fuse
P1 = 120 VAC Power Switch
P2 = 277 VAC Power Switch
SM = Lamp Heads Installed on Side of Enclosure[3]
SP = Special Paint, Specify Color
T = Self-Testing Diagnostics
TA = Audible Self-Testing Diagnostics
TD = Time Delay, 15 Minutes
V = Voltmeter

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Bottom mounted lamp heads (BM) available on 75 to 100 watt units only.
3) Side mounted lamp heads (SM) are not installed onto the enclosure at the factory.
4) 75 to 100 watt units only.

ACCESSORIES

(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
SSMP = Mounting Plate (25W-50W)
SMMP = Mounting Plate (75W-100W)
SKIT = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams
WG5 = Wire Guard (25W-100W)

TMF/TNM Series

commercial/light industrial
12 volt, 25 to 450 watt units

features

120/277 VAC, 60 Hz dual voltage input; 12 volt, 25 to 450 watt units
Maintenance-free, sealed lead calcium or nickel cadmium battery
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
Housing is constructed of 20 gauge (25 to 50 watt) or 18 gauge (75 to 450 watt) steel, corrosion-resistant, epoxy powder coat white finish
Illumination is accomplished with up to two lamp heads (25 to 50 watt units) mounted on the top or side, or three lamp heads (75 to 450 watt units) mounted on the top, side or bottom of the housing
UL 924 listed, UL damp location listing option, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
City of Chicago Approved, New York City Approved (consult factory for specific approvals)

electrical specifications

Input power requirements:
12 Volt Lead Calcium: 50 to 200 Watt Units = 0.393 A (120 VAC), 0.173 A (277 VAC)
250 to 450 Watt Units = 0.560 A (120 VAC), 0.236 A (277 VAC)
12 Volt Nickel Cadmium: 25 to 50 Watt Units = 0.200 A (120 VAC), 0.094 A (277 VAC)
75 to 150 Watt Units = 0.433 A (120 VAC), 0.188 A (277 VAC)

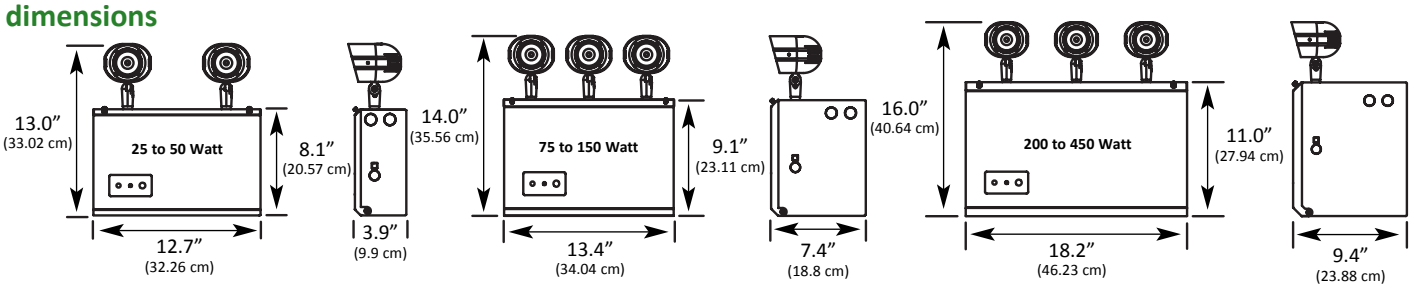
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

			IC	
SERIES	LAMP HEADS	# OF HEADS	MODEL DESIGNATOR	OPTIONS

SERIES

12 Volt, Lead Calcium
TMF50 = 50 Watt
TMF75 = 75 Watt
TMF100 = 100 Watt
TMF150 = 150 Watt
TMF200 = 200 Watt
TMF250 = 250 Watt
TMF300 = 300 Watt
TMF450 = 450 Watt
12 Volt, Nickel Cadmium
TNM25 = 25 Watt
TNM50 = 50 Watt
TNM75 = 75 Watt
TNM100 = 100 Watt
TNM125 = 125 Watt
TNM150 = 150 Watt

LAMP HEADS

(Metal Chrome PAR 36)
12 VDC Tungsten
NY = 12 Watt
E = 18 Watt
K = 25 Watt
G = 30 Watt
12 VDC Halogen
B = 12 Watt
M = 30 Watt
NF = 50 Watt
(MR16 Metal Lamp Heads)
12 VDC Halogen
M20 = 20 Watt, 40°
M35 = 35 Watt, 25°
M35F = 35 Watt, 40° Flood
M50 = 50 Watt, 25°
M50F = 50 Watt, 40° Flood

 # OF HEADS

3 = Three[4]
2 = Two
1 = One
Blank = No Heads

MODEL DESIGNATOR

IC = Intelli-Charge Diagnostics

ACCESSORIES

(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
SSMP = Mounting Plate (25W-50W)
SMMP = Mounting Plate (75W-150W)
SLMP = Mounting Plate (200W-450W)
SKIT = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams
WG5 = Wire Guard (25W-150W)
WG = Wire Guard (200W-450W)

OPTIONS

A = Ammeter
BD = Battery Disconnect Switch
BM = Lamp Heads Installed on Bottom of Enclosure[2]
DL = UL Damp Location Listed (0°C to 40°C)
EX = Special Input Transformer (specify voltage & frequency)[1]
F1 = 120 VAC Input Fuse
F2 = 277 VAC Input Fuse
P1 = 120 VAC Power Switch
P2 = 277 VAC Power Switch
SM = Lamp Heads Installed on Side of Enclosure[3]
SP = Special Paint, Specify Color
T = Self-Testing Diagnostics
TA = Audible Self-Testing Diagnostics
TD = Time Delay, 15 Minutes
V = Voltmeter

NOTE: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) Bottom mounted lamp heads (BM) available on 75 watt models and above. 3) Side mounted lamp heads (SM) are not installed onto the enclosure at the factory. 4) 75 to 450 watt units only.

ZMF Series

commercial/light industrial
24 volt, 100 to 450 watt units

features

120/277 VAC, 60 Hz dual voltage input; 24 volt, 100 to 450 watt units
Maintenance-free, sealed lead calcium
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
Housing is constructed of 18 gauge steel, corrosion-resistant, epoxy powder coat white finish
Illumination is accomplished with up to three lamp heads mounted on the top, side or bottom of the housing
UL 924 listed, UL damp location listing option, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
City of Chicago Approved, New York City Approved (consult factory for specific approvals)

electrical specifications

Input power requirements:
24 Volt = 0.741 A (120 VAC), 0.312 A (277 VAC)

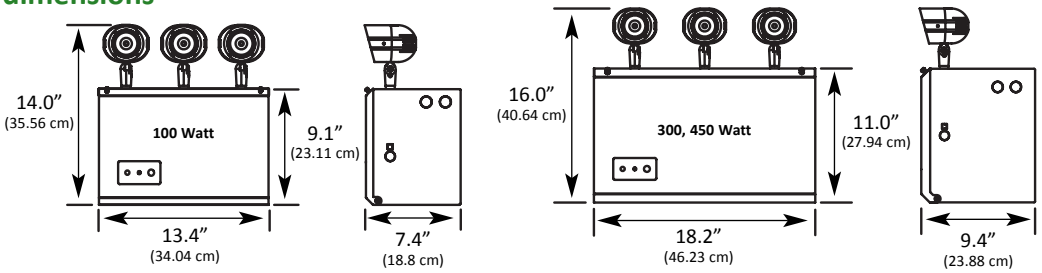
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata

dimensions



ordering information

			IC	
SERIES	LAMP HEADS	# OF HEADS	MODEL DESIGNATOR	OPTIONS

SERIES

24 Volt, Lead Calcium
ZMF100 = 100 Watt
ZMF300 = 300 Watt
ZMF450 = 450 Watt

LAMP HEADS

(MR16 Metal Lamp Heads)
24 VDC Halogen
M450 = 50 Watt, 40°

(Metal Chrome Lamp Heads)
24 VDC PAR 36
HP = 50 Watt

 # OF HEADS

3 = Three
2 = Two
1 = One
Blank = No Heads

MODEL DESIGNATOR

IC = Intelli-Charge Diagnostics

OPTIONS

A = Ammeter
BD = Battery Disconnect Switch
BM = Lamp Heads Installed on Bottom of Enclosure
DL = UL Damp Location Listed (0°C to 40°C)
EX = Special Input Transformer (specify voltage & frequency)[1]
F1 = 120 VAC Input Fuse
F2 = 277 VAC Input Fuse
P1 = 120 VAC Power Switch
P2 = 277 VAC Power Switch
SM = Lamp Heads Installed on Side of Enclosure[2]
SP = Special Paint, Specify Color
T = Self-Testing Diagnostics
TA = Audible Self-Testing Diagnostics
TD = Time Delay, 15 Minutes
V = Voltmeter

ACCESSORIES

(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
SMMP = Mounting Plate (100W)
SLMP = Mounting Plate (300W & 450W)
SKIT = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams
WG5 = Wire Guard (100W)
WG = Wire Guard (300W & 450W)

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Side mounted lamp heads option (SM) are not installed onto the enclosure at the factory.

SPU Series

self-contained, recessed or surface emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic frame and backbox
Surface, semi-recessed or fully recessed mounting
Optional semi-recessed backbox constructed of 22 gauge steel
SPUL and SPU10 furnished with a 12 watt halogen lamp
SPU30M furnished with 7 watt halogen lamp
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.096 A, 277 VAC = 0.04 A

operating temperature range

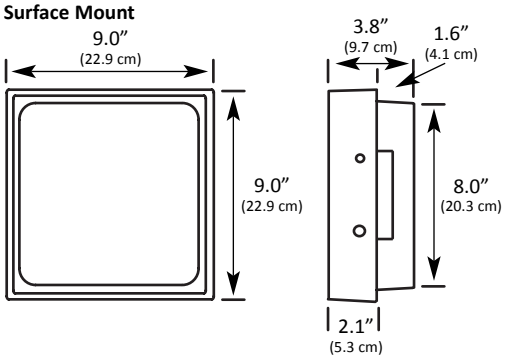
Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

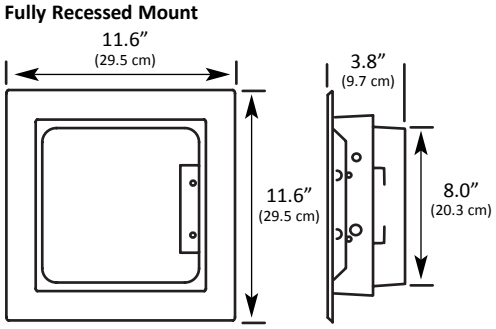
Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions

Surface Mount



Fully Recessed Mount



ordering information

SERIES/BATTERY	MOUNTING CONFIGURATION[2]	OPTIONS[5]

Master Units
SPU10 = 6 Volt, 12 Watt, Nickel Cadmium Battery[1]
SPU30M = 6 Volt, 26 Watt, Nickel Cadmium Battery[1]
SPUL = 6 Volt, 12 Watt, Lead Calcium Battery

ACCESSORIES
(Order As A Separate Line Item)
RMP1 = Semi-Recessed Kit
WG3 = Wire Guard
WG4 = Wire Guard for Fully Recessed Unit

Remote Units[3]
DLF6S = 6 V, 12 W, Surface Mount
DLF12S = 12 V, 12 W, Surface Mount[4]
DLF6FR = 6 V, 12 W, Fully Recessed
DLF12FR = 12 V, 12 W, Fully Recessed[4]

Blank = Surface Mount
FR = Fully Recessed

(For semi-recessed installation, order RMP1 accessory)

V = Voltmeter
PC = Polycarbonate Lens
2L = Two 7 Watt Lamps (SPU30M only)

NOTE:
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) 12 volt remote units can only be remoted with 12 volt single point units.
5) Some option combinations may impact UL listing. Consult factory for specifics.

RG

completely self-contained, recessed, gimbal emergency unit

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch
All electronics are completely self-contained
Aluminum housing and gimbal assembly have a compact, low-profile design and white matte finish
Easily recessed into suspended ceilings
Model RG12C is City of Chicago Environmental Airspace (CCEA) listed
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.08 A, 277 VAC = 0.03 A

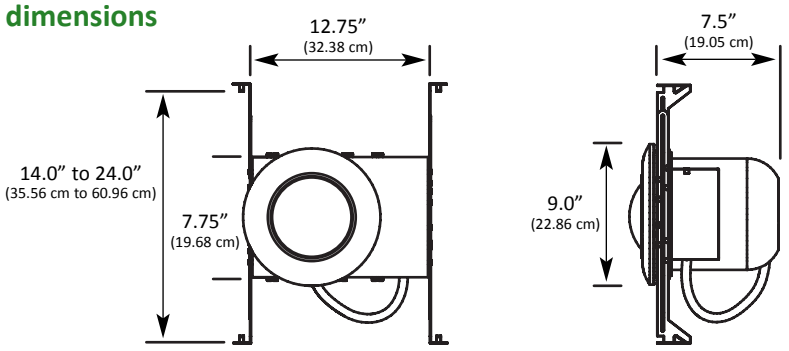
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - one year full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

RG		
SERIES	**BATTERY TYPE**	**LAMP TYPE**
RG = Recessed Gimbal	Blank = Lead Calcium 12 Watt N = Nickel Cadmium	7 = 6 Volt, 7 Watt Tungsten 8 = 6 Volt, 8 Watt Halogen 12C = 6 Volt, 12 Watt Tungsten[1]

NOTE: 1) 12C model only available with lead calcium battery.

CR6/CR12

low-profile, recessed, decorative emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
6 volt, 14 to 28 watt units
12 volt, 50 and 75 watt units
Fully recessed assembly for ceiling or wall installation
Optional bar hanger kit is available for mounting in suspended ceilings
Impact-resistant UL 94 V-0, 5 VA thermoplastic faceplate (6 volt units only)
Backbox constructed of 20 gauge galvanized steel with ½" conduit knockouts
Provided with two adjustable lamp heads
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.07 A, 277 VAC = 0.03 A

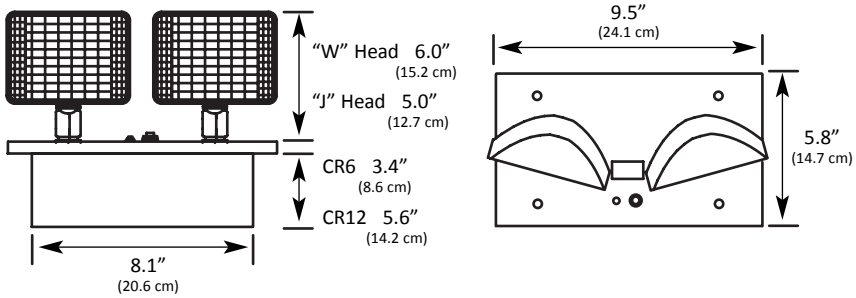
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES	LAMP HEAD	# OF HEADS	OPTIONS
Lead Calcium Units CR6 = 6 V, 18 W Unit CR625 = 6 V, 25 W Unit CR1250 = 12 V, 50 W Unit CR1275 = 12 V, 75 W Unit Nickel Cadmium Units CR6N14 = 6 V, 14 W Unit CR6N28 = 6 V, 28 W Unit	6 Volt Units - Rectangular Wedge Base J66 = 5.4 Watt Tungsten J76 = 7.2 Watt Tungsten J96 = 9 Watt Tungsten 6 Volt Units - Round Wedge Base WTA = 5.4 Watt Tungsten WTD = 7.2 Watt Tungsten WTB = 9 Watt Tungsten WTS = 7 Watt Halogen WTN = 9 Watt Halogen WTT = 12 Watt Halogen 6 Volt Units - Round Par 36 Sealed Beam WY = 8 Watt Tungsten WQ = 8 Watt Halogen WCHY = 12 Watt Halogen 12 Volt Units - Rectangular Wedge Base J912 = 9 Watt Tungsten J1212 = 12.5 Watt Tungsten J1812 = 18 Watt Tungsten 12 Volt Units - Round Wedge Base WTC = 9 Watt Tungsten WTE = 12.5 Watt Tungsten WTF = 18 Watt Tungsten WTV = 12 Watt Halogen 12 Volt Units - Round Par 36 Sealed Beam WNY = 12 Watt Sealed Beam WE = 18 Watt Sealed Beam WK = 25 Watt Sealed Beam WG = 30 Watt Sealed Beam	1 = One 2 = Two	DL = Damp Location[1] V = Voltmeter[2] W = White Trim Plate[3] B = Black Trim Plate[3]

NOTE:
1) CR1250 units only.
2) Not available with CR6N28.
3) 12 volt units only.

ACCESSORIES
(Order As A Separate Line Item)
BHK1 = Bar Hanger Kit for Mechanical Ceilings
WG8 = Wire Guard
PCS1 = Polycarbonate Vandal Shield

CLB Series

low-profile recessed units

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 14 to 50 watt units
Maintenance-free, sealed lead calcium or nickel cadmium battery
Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch
Faceplate constructed of 18 gauge steel with a white epoxy powder coat finish, backbox is 20 gauge steel
Designed for easy drop-in installation into suspended ceilings
Allows up to four mounted lamp heads
Optional self-diagnostics
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.150 A, 277 VAC = 0.065 A

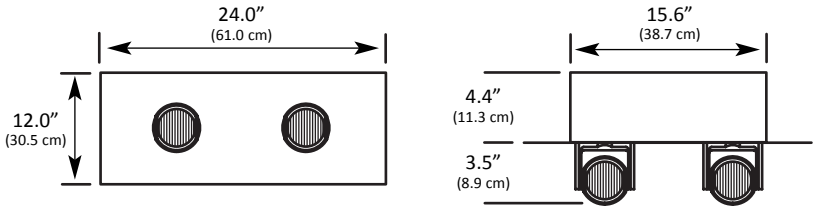
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES/BATTERY	LAMP HEAD	# OF HEADS	OPTIONS[1]
Lead Calcium CLB6L25 = 6 Volt, 25 Watt CLB6L50 = 6 Volt, 50 Watt CLB12L50 = 12 Volt, 50 Watt Nickel Cadmium CLB6N14 = 6 Volt, 14 Watt CLB6N28 = 6 Volt, 25 Watt CLB12N25 = 12 Volt, 25 Watt CLB12N50 = 12 Volt, 50 Watt	Tungsten WTA = 6 Volt, 5.4 Watt WTD = 6 Volt, 7.2 Watt WTB = 6 Volt, 9 Watt WTC = 12 Volt, 9 Watt WTE = 12 Volt, 12.5 Watt WTF = 12 Volt, 17.9 Watt Halogen WTS = 6 Volt, 7 Watt WTN = 6 Volt, 9 Watt WTT = 6 Volt, 12 Watt WTV = 12 Volt, 12 Watt	4 = Four 3 = Three 2 = Two 1 = One 0 = No Heads	A = Ammeter[2] ACF1 = 120 VAC Fuse ACF2 = 277 VAC Fuse AD = Accu-Test Self-Diagnostics ADAL = Accu-Test with Alarm ADTD = Accu-Test with Time Delay[3] TD1 = 120 VAC Time Delay[3] TD2 = 277 VAC Time Delay[3] V = Voltmeter[2]

Optional heads available, consult factory or refer to lamp heads page.

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Not available with AD, ADTD or ADAL options.
3) 15 minute delay.

CPM

recessed emergency power
for support of egress lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
12 volt, 50 or 75 watt units to support remote loads
20 gauge galvanized steel backbox
12 gauge steel trim plate
Grid or sheetrock ceiling mount
UL 924 listed
UL damp location listing optional (50 watt models only)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.22 A, 277 VAC = 0.11 A

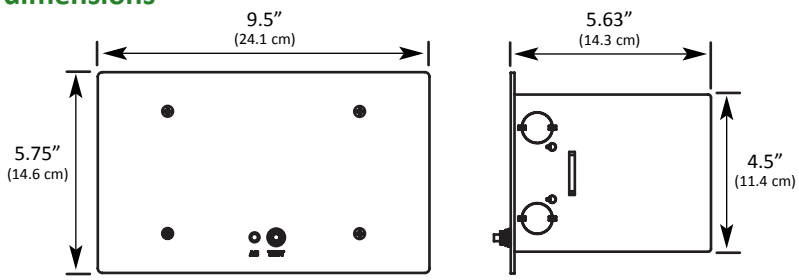
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

CPM		L		
SERIES	**OUTPUT WATTAGE**	**BATTERY**	**TRIM COVER FINISH**	**OPTIONS**
CPM = Chloride Power Module	50 = 50 Watt Unit 75 = 75 Watt Unit	L = Sealed Lead Calcium	W = White B = Black	DL = Damp Location* TD = Time Delay (15 min)

* Damp location available on 50 watt version only.

ACCESSORIES
(Order As A Separate Line Item)
BHK1 = Bar Hanger Kit for Mechanical Ceilings

SV16

vandal resistant wet/damp location emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Molded from high-impact polycarbonate
Simplified installation with snap-together backplate/housing
Illumination is supplied with two high-performance, 5.5 watt, 6 VDC, fully adjustable MR16 halogen lamps
UL 924 listed
UL damp and wet location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted lighting fixtures

electrical specifications

Input power requirements:
120 VAC = 0.05 A, 0.30 A with heater option; 277 VAC = 0.02 A, 0.13 A with heater option

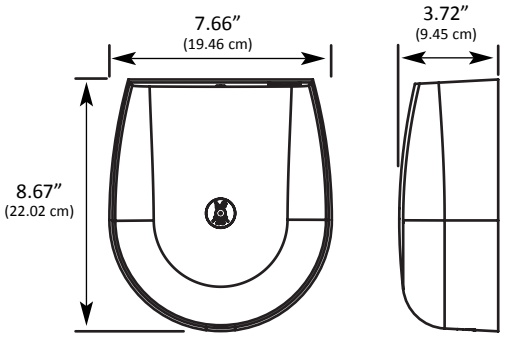
operating temperature range

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)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

SV16	L		
SERIES	BATTERY	HOUSING COLOR	LOCATION LISTING
SV16 = Symmetry Vandal Series, 11 Watt	L = Lead Calcium	W = White B = Black BZ = Bronze	Blank = Damp Location Listed WL = Wet Location Listed HR = Wet Location Listed w/ Battery Heater

ACCESSORIES
(Order As A Separate Line Item)
T15TPTOOL = Tamperproof Tool

Exterior Emergency Fixtures

decorative emergency lighting units

features

120/277 VAC, 60 Hz dual voltage input
4 volt or 6 volt operation
Maintenance-free, sealed nickel cadmium battery
Low temperature ballast available
Constructed of impact-resistant polycarbonate
Illumination is accomplished with compact fluorescent lamps in AC operation and wedge base incandescent lamps in emergency operation
NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC:
C30SEM = 0.15 A, 17 watts; C300EM = 0.15 A, 17 watts; C300WEM = 0.15 A, 17 watts
C1200EM = 0.30 A, 34 watts

operating temperature range

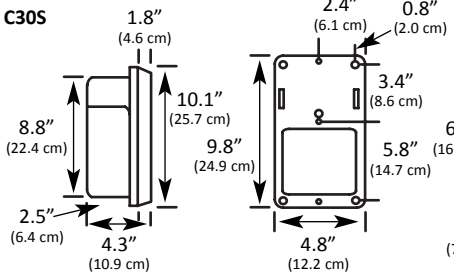
20°F (-7°C) to 95°F (35°C)

warranty

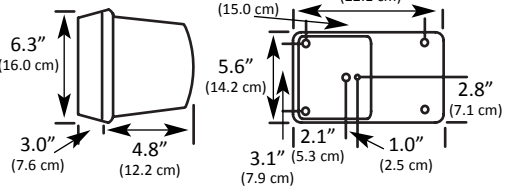
Electronics - three years full; Battery - five years full, five years pro-rata

dimensions

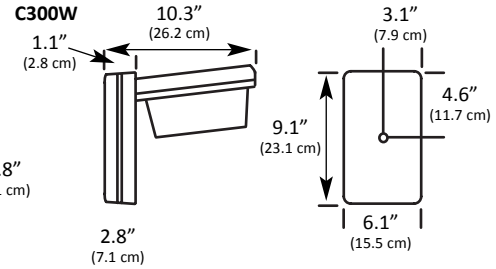
C30S



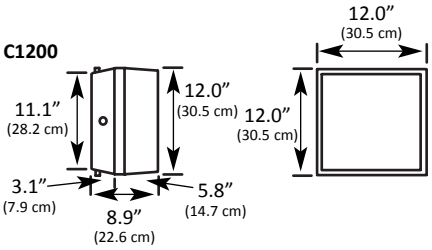
C300



C300W



C1200



ordering information

SERIES[1]	LENS TYPE	HOUSING	OPTIONS
C30SEM C300EM C300WEM C1200EM	C = Clear Prism O = Opal White	WH = White BR = Bronze BK = Black (see color chart below)	PC = Photo Cell (specify voltage)[3,4] TP = Tamperproof (requires T15TPTOOL) Z = Cold Weather Ballast Conduit Connections[2] CT = Top Conduit Connection CB = Bottom Conduit Connection CR = Right Conduit Connection CL = Left Conduit Connection

HOUSING COLOR AVAILABILITY

SERIES	BLACK	WHITE	BRONZE
C30SEM	YES	YES	YES
C300EM	YES	YES	YES
C300WEM	YES	NO	NO
C1200EM	NO	NO	YES

NOTE: If product will be controlled by either lighting contactor, photocell or time clock, please consult factory to ensure compatibility.

NOTE:
1) Matching non-emergency fixtures are available. Consult factory.
2) Not required for C30SEM - five knockouts already provided. C300EM and C300WEM suitable for ½" conduit. C1200EM is suitable for ½" or ¾" conduit. Specify conduit location relative to front view of luminaire.
3) Not available on C30.
4) Photo cell option is available for single input voltage only.

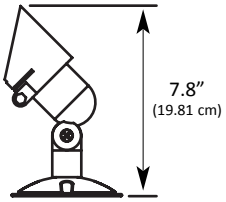
Outdoor Remote Lamp Heads

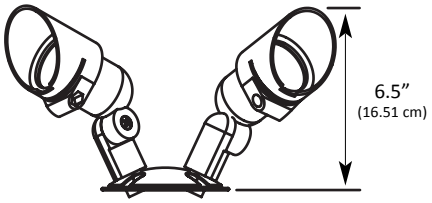
MR16 and lamp assemblies

features

Die Cast Aluminum MR16 Lamp Head (CEF)

12 volt, 20 watt, 35 or 50 watt MR16 lamps available
Constructed of durable die cast aluminum
Available in black or bronze
Single or double mounting plates available

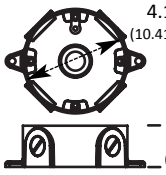


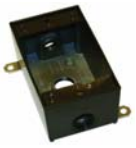


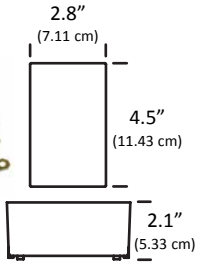
ordering information

CEF				
SERIES	NUMBER OF HEADS	TYPE OF MOUNTING PLATE	COLOR	MR16 LAMP TYPE
CEF = Decorative Outdoor Remote Head	1 = Single Remote Head 2 = Double Remote Head	R = 4” Round Mounting Plate S = Single Gang Rectangular Mounting Plate	BK = Black BZ = Bronze	Blank = No Lamps Installed 20WF = 12 Volt, 20 Watt Wide Flood 40° 35FL = 12 Volt, 35 Watt Flood 25° 35WF = 12 Volt, 35 Watt Wide Flood 40° 50FL = 12 Volt, 50 Watt Flood 25° 50WF = 12 Volt, 50 Watt Wide Flood 40°

ACCESSORIES
(Order As A Separate Line Item)
ORBBK = Outdoor 4” Round Surface Mount Junction Box, Black
ORBBZ = Outdoor 4” Round Surface Mount Junction Box, Bronze
OSBBK = Outdoor Single Gang, Surface/Recessed 2¾” x 4½” Junction Box, Black
OSBBZ = Outdoor Single Gang, Surface/Recessed 2¾” x 4½” Junction Box, Bronze







features

Die Cast Aluminum MR16 Recessed Lamp Head (CRE)

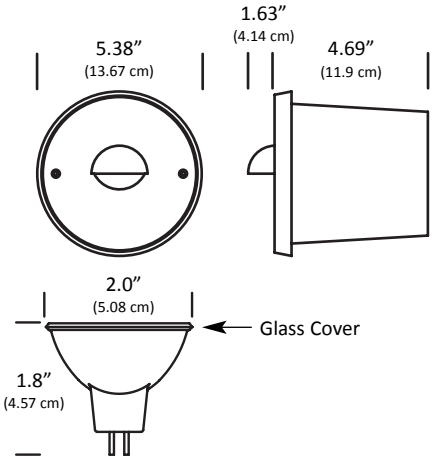
12 volt, 20 watt, 35 or 50 watt MR16 lamps available (order as a separate item)
Constructed of durable die cast aluminum
Available in black or bronze
Masonry, concrete or deck mounting only

ordering information

SERIES	
CREBK = Outdoor Remote Head Recessed, Black CREBZ = Outdoor Remote Head Recessed, Bronze	

MR16 Lamp Options

Description	How to Order
12 Volt, 20 Watt, 40° beam spread	12MR20WFL
12 Volt, 35 Watt, 25° beam spread	12MR35FL
12 Volt, 35 Watt, 40° beam spread	12MR35WFL
12 Volt, 50 Watt, 25° beam spread	12MR50FL
12 Volt, 50 Watt, 40° beam spread	12MR50WFL



PathMaster LED Bollard

outdoor general/emergency LED lighting

features

Premium die cast aluminum light engine, fiberglass-reinforced polymer bollard, stainless steel exposed hardware
Standard powder coat finishes include black, bronze and white, with custom finishes also available
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Each light engine utilizes three high-performance, white LEDs and can be applied from one to all four sides of the bollard
The bollard can be readily affixed by an anchor base, lag bolts or direct burial
The PathMaster Power System provides normal and emergency power support, sold separately (see page 71)
ETL listed to UL 1598 and 1838 standards

electrical specifications

Input power requirements: 10 watts per LED light engine

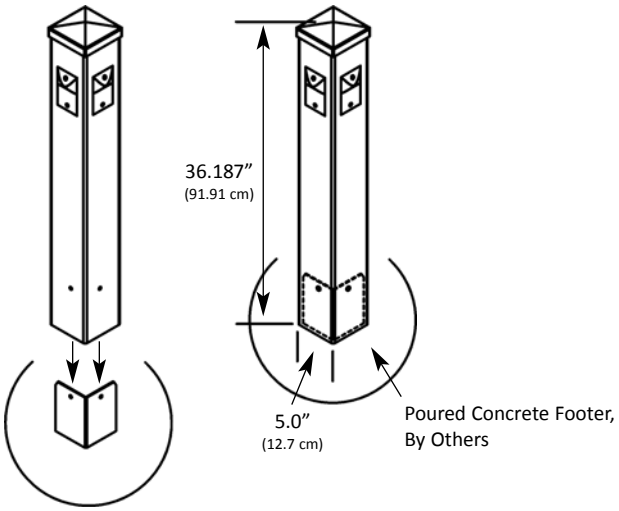
operating temperature range

Standard: -31°F (-35°C) to 104°F (40°C)

warranty

Electronics - three years full

dimensions



ordering information

PB					
SERIES	BOLLARD FINISH	BASE TYPE	# LUMINAIRES & ORIENTATION	LUMINAIRE FINISH	INPUT VOLTAGE
PB = PathMaster Bollard Series	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 WH = White XX = Custom	1 = 12 VAC 2 = 120 VAC

ACCESSORIES
(Order As A Separate Line Item)
PMPS1 = PathMaster Low Voltage Power System for Normal and Emergency Power Support
(compatible with 12 VAC models only)

Solaray

outdoor forward throw cutoff luminaire
with integral remote emergency lamp

features

120/208/240/277 VAC, 60 Hz, multi-tap input wiring
AC only or emergency operation
Constructed of premium die-cast aluminum with a powder coat finish
Stainless-steel torx head T25 tamperproof hardware included
Easy installation with pre-mountable wall box with integral splice chamber, built-in bubble level and a polarized low-voltage emergency power connector supplied with a 10 foot interconnect
Illumination is accomplished with one 100 watt, high-pressure sodium lamp or one 100 watt, metal halide lamp combined with a polished specular aluminum reflector with type 4 distribution
Normally on illumination may be switched or photocell controlled
Emergency illumination is accomplished with a 35 watt, instant strike Xenarc® lamp powered from a remote emergency battery unit
Emergency units require a remote 12 VDC power source such as Chloride's CPM50LWDLTD (indoor/outdoor recessed ceiling mount) or TMF50ICTD (indoor surface mount), sold separately
Wet location listed
ETL listed to UL 924 and 1598 standards, CSA C22.2 No 141-02 and CSA C22.2 No 250.0-04 standards
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

120/208/240/277 VAC, 60 Hz, multi-tap input wiring, 130 watts power consumption

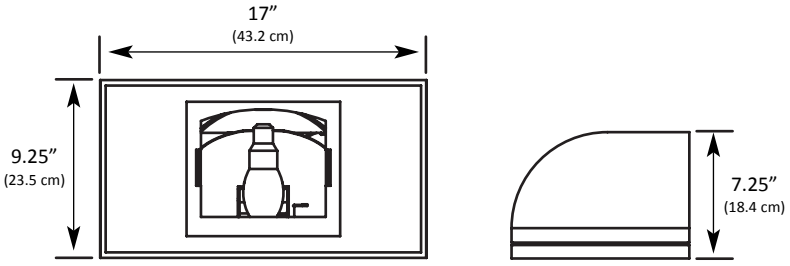
operating temperature range

Wet Location: -40°F (-40°C) to 104°F (40°C)

warranty

Five years

dimensions



ordering information

FT			BZ
SERIES	AC LAMP TYPE	EMERGENCY FUNCTION[1]	HOUSING COLOR
FT = Forward Throw Cutoff Luminaire	1HPS = 100 Watt, High-Pressure Sodium Lamp 1MH = 100 Watt, Metal Halide Lamp	Blank = AC Only Fixture, No Emergency Lamp EM = 35 Watt, Instant Strike Xenarc® Lamp	BZ = Bronze

NOTE: 1) Requires a remote emergency power source of 12 VDC and at least 35 watts and TD to cover re-strike period.

Xenarc® is a registered trademark of Osram Sylvania

Max-Lite Series

hostile environment emergency lighting
6 or 12 volt, 25 to 150 watts

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 25 to 150 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Constructed of impact-resistant, fiberglass-reinforced polyester, housing color is gray and includes stainless steel hardware
Ideal for locations where oil, water and dust-resistant equipment are required
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
UL 924 listed, UL damp and wet location listed
NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, NSF Standard 2 “Splash Zone” listed

electrical specifications

Input power requirements:
6 Volt = 25-50W - 0.157 A (120 VAC), 0.069 A (277 VAC); 75W - 0.222 A (120 VAC), 0.094 A (277 VAC)
12 Volt = 50-100W - 0.289 A (120 VAC), 0.135 A (277 VAC); 125W - 0.433 A (120 VAC), 0.188 A (277 VAC)
150W - 0.470 A (120 VAC), 0.203 A (277 VAC)

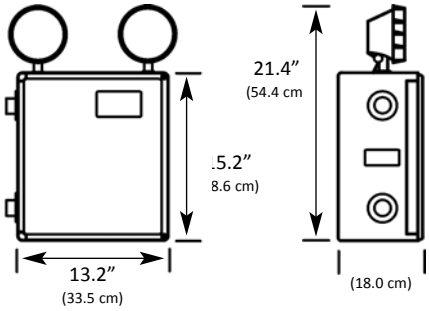
operating temperature range

Standard: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

			IC	
SERIES/BATTERY	LAMP HEADS	# OF HEADS	MODEL DES.[1]	OPTIONS[2]

SERIES/BATTERY

6 Volt, Lead Calcium
MC25 = 25 Watt Unit
MC50 = 50 Watt Unit
MC75 = 75 Watt Unit

6 Volt, Nickel Cadmium
MN25 = 25 Watt Unit
MN50 = 50 Watt Unit
MN75 = 75 Watt Unit

12 Volt, Lead Calcium
MTC50 = 50 Watt Unit
MTC75 = 75 Watt Unit
MTC100 = 100 Watt Unit
MTC125 = 125 Watt Unit
MTC150 = 150 Watt Unit

12 Volt, Nickel Cadmium
MTN50 = 50 Watt Unit
MTN75 = 75 Watt Unit
MTN100 = 100 Watt Unit
MTN125 = 125 Watt Unit
MTN150 = 150 Watt Unit

LAMP HEADS

6 Volt, Tungsten
ZM = 8 Watt
ZN = 18 Watt
ZO = 25 Watt

6 Volt, Halogen
ZU = 8 Watt
ZV = 12 Watt

12 Volt, Tungsten
ZQ = 12 Watt
ZR = 18 Watt
ZS = 25 Watt

12 Volt, Halogen
ZW = 8 Watt
ZX = 12 Watt
Z5 = 50 Watt
Z5F = 50 Watt, Flood

 # OF HEADS

3 = Three
2 = Two
1 = One
Blank = No Heads

MODEL DES.[1]

IC = Intelli-Charge Self-Diagnostic Electronics

OPTIONS[2]

A = Ammeter
BD = Battery Disconnect Switch
EX = Special Input Transformer
(specify voltage & frequency)
F1 = 120 VAC Fuse
F2 = 277 VAC Fuse
P1 = 120 VAC Power Switch
P2 = 277 VAC Power Switch
S = Shatterproof Lexan Lamp Head Lens
T = Self-Testing Diagnostics
TA = Audible Self-Testing Diagnostics
TD = Time Delay (15 minutes)
V = Voltmeter

ACCESSORIES
(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
WG = Wire Guard

NOTE:
1) For self-testing models refer to options.
2) Some option combinations may impact UL listing. Consult factory for specifications.

Rhyno Series

industrial emergency lighting
6, 12 and 24 volt, 25 to 150 watts

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium, pure lead or nickel cadmium battery
6 volt, 12 and 24 volt, 25 to 150 watt (24 volt system available in 100 watt capacity only)
Constructed of a gray, impact-resistant Lexan®
Internally mounted lamp heads are on the bottom for optimum path of egress illumination
Standard wall mount bracket; can be column, pole or I-beam mounted when used with the universal mounting kit accessory
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
UL 924 listed, UL wet location listed, NSF standard 2 "Splash Zone" listed, NEMA 250 (NEMA 4X classification)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, IEC 61951-1 Life Testing (NiCad batteries), IEC 529 (60529) IP66

electrical specifications

Input power requirements:
6 Volt and 12 Volt, Standard and 'H' - High Ambient Units: 120 VAC = 0.319 A, 277 VAC = 0.142 A
6 Volt and 12 Volt, 'C' - Cold Ambient and 'E' - Extreme Ambient Units: 120 VAC = 0.683 A, 277 VAC = 0.305 A
24 Volt Models: 120 VAC = 0.507 A, 277 VAC = 0.227 A

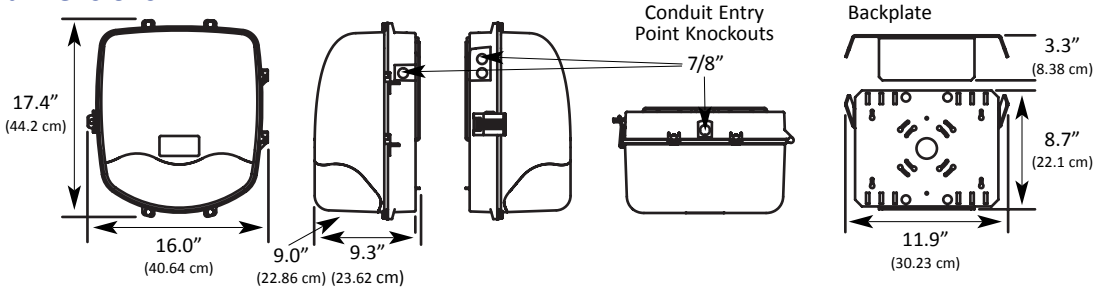
operating temperature range

Standard Wet Location Listed: 32°F (0°C) to 104°F (40°C); 'C' - Cold Ambient, Wet Location Listed: -40°F (-40°C) to 104°F (40°C)
'H' - High Ambient, Wet Location Listed: 32°F (0°C) to 131°F (55°C); 'E' - Extreme Ambient, Wet Location Listed: -40°F (-40°C) to 131°F (55°C)

warranty

Electronics - three years full
Lead Calcium/Pure Lead Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

RN						IC	
SERIES	BATTERY VOLTAGE	CAPACITY	ENVIRONMENT***	LAMP DESIGNATOR	LAMP HEAD QTY	MODEL DESIGNATOR	OPTIONS

SERIES
RN = Rhyno Series Industrial Emergency Lighting Fixture

BATTERY VOLTAGE
6 = 6 Volts DC
2 = 12 Volts DC
4 = 24 Volts DC[1]

CAPACITY
2 = 25 Watts
5 = 50 Watts
7 = 75 Watts
1 = 100 Watts[1]
12 = 125 Watts[3]
15 = 150 Watts[3]

ENVIRONMENT***
Blank = Wet Location Listed (0°C to 40°C)
C = Cold Ambient Conditions, Wet Location Listed (-40°C to 40°C)
H = High Ambient Conditions, Wet Location Listed (0°C to 55°C)
E = Extreme Ambient Conditions, Wet Location Listed (-40°C to 55°C)

LAMP DESIGNATOR
6 Volt, PAR 36 Sealed Beam Tungsten
PA = 8 Watt
PB = 18 Watt
PC = 25 Watt
PD = 30 Watt

6 Volt, PAR 36 Sealed Beam Halogen
PI = 8 Watt
PJ = 12 Watt
PP = 20 Watt

12 Volt, PAR 36 Sealed Beam Tungsten
PE = 12 Watt
PF = 18 Watt
PG = 25 Watt
PH = 30 Watt

12 Volt, PAR 36 Sealed Beam Halogen
PK = 8 Watt
PL = 12 Watt
PM = 37 Watt
PN = 50 Watt

24 Volt, Sealed Beam Tungsten
PO = 50 Watt

LAMP HEAD QTY
0 = No Heads
2 = Two Heads

MODEL DESIGNATOR
IC = Intelli-Charge Self-Diagnostic Electronics

OPTIONS
A = Ammeter
ACF1 = 120 Volt AC Input Fuse
ACF2 = 277 Volt AC Input Fuse
ACP1 = 120 Volt AC Disconnect Switch
ACP2 = 277 Volt AC Disconnect Switch
BDS = Battery Disconnect Switch
EX = Special Input Transformer[2] (specify voltage & frequency)
T = Self-Testing Diagnostics (non-audible)
TA = Audible Self-Testing Diagnostics
TD = Time Delay
V = Voltmeter

***CAPACITY & ENVIRONMENT SELECTION**
C = 12V, 100W; 12V, 125W; 12V, 150W
H = 6V, 50W; 12V, 50W; 12V, 100W; 12V, 125W; 12V, 150W
E = 6V, 50W; 12V, 50W; 12V, 100W; 12V, 125W; 12V, 150W

All other configurations are standard wet location listed from 0°C to 40°C.

NOTE:
1) 24 volt systems only available in 100 watt configurations.
2) Certain option combinations may impact UL listing, consult factory.
3) 125 and 150 watt units available in 12VDC configurations only.

ACCESSORIES
(Order As A Separate Line Item)
NUMK = Universal Mounting Kit (column, pole, I-beam)
ICIR = Intelli-Charge Infra-Red Remote

Rhyno Series

industrial emergency lighting
12 and 24 volt, 200 to 450 watts

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or pure lead battery
12 and 24 volt, 200 to 450 watt (24 volt system available in 300 and 450 watt capacity only)
Constructed of a gray, impact-resistant Lexan®
Internally mounted lamp heads are on the bottom for optimum path of egress illumination
Standard wall mount bracket; can be column, pole or I-beam mounted when used with the universal mounting kit accessory
Standard Intelli-Charge self-diagnostics, self-testing is optional (see page 76 for Intelli-Charge features)
UL 924 listed, UL wet location listed, NSF standard 2 “Splash Zone” listed, NEMA 250 (NEMA 4X classification)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, IEC 529 (60529) IP66

electrical specifications

Input power requirements:	120 VAC	277 VAC	Input power requirements:	120 VAC	277 VAC
12 Volt, Standard:	0.560 A	0.236 A	24 Volt, Standard:	0.697 A	0.304 A
12 Volt, ‘C’ - Cold Ambient:	0.984 A	0.422 A	24 Volt, ‘C’ - Cold Ambient:	1.343 A	0.594 A
12 Volt, ‘H’ - High Ambient:	0.463 A	0.192 A	24 Volt, ‘H’ - High Ambient:	0.741 A	0.312 A
12 Volt, ‘E’ - Extreme Ambient:	0.992 A	0.443 A	24 Volt, ‘E’ - Extreme Ambient:	1.256 A	0.548 A

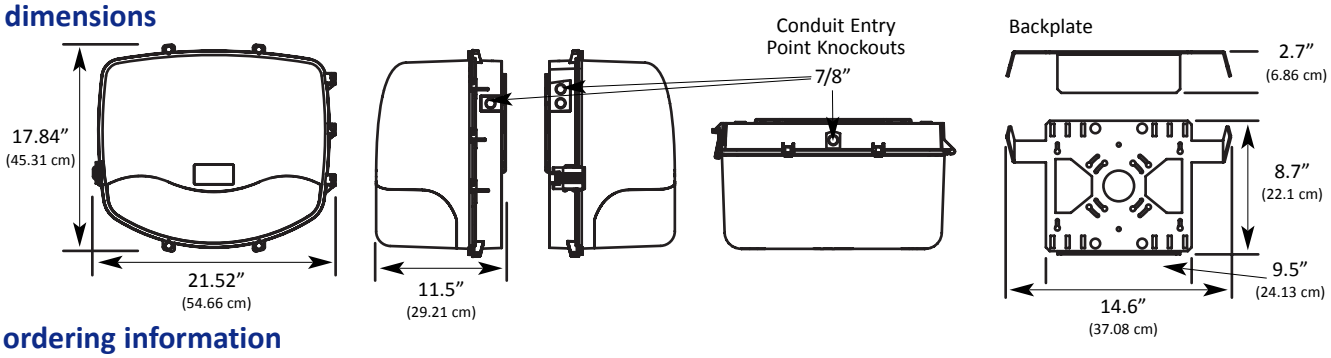
operating temperature range

Standard Wet Location Listed: 32°F (0°C) to 104°F (40°C); ‘C’ - Cold Ambient, Wet Location Listed: -40°F (-40°C) to 104°F (40°C)
‘H’ - High Ambient, Wet Location Listed: 32°F (0°C) to 131°F (55°C); ‘E’ - Extreme Ambient, Wet Location Listed: -40°F (-40°C) to 131°F (55°C)

warranty

Electronics - three years full; Lead Calcium/Pure Lead Battery - one year full, four years pro-rata

dimensions



ordering information

RN						IC	
SERIES	BATTERY VOLTAGE	CAPACITY	ENVIRONMENT***	LAMP DESIGNATOR	LAMP HEAD QTY	MODEL DESIGNATOR	OPTIONS

SERIES
RN = Rhyno Series Industrial Emergency Lighting Fixture

BATTERY VOLTAGE
2 = 12 Volts DC
4 = 24 Volts DC[2]

CAPACITY
20 = 200 Watts
25 = 250 Watts
30 = 300 Watts
40 = 400 Watts
45 = 450 Watts

ENVIRONMENT***
Blank = Wet Location Listed (0°C to 40°C)
C = Cold Ambient Conditions, Wet Location Listed (-40°C to 40°C)
H = High Ambient Conditions, Wet Location Listed (0°C to 55°C)
E = Extreme Ambient Conditions, Wet Location Listed (-40°C to 55°C)

LAMP DESIGNATOR
12 Volt, PAR 36 Sealed Beam Tungsten
PE = 12 Watt
PF = 18 Watt
PG = 25 Watt
PH = 30 Watt

12 Volt, PAR 36 Sealed Beam Halogen
PK = 8 Watt
PL = 12 Watt
PM = 37 Watt
PN = 50 Watt

24 Volt, Sealed Beam Tungsten
PO = 50 Watt

LAMP HEAD QTY
0 = No Heads
2 = Two Heads
3 = Three Heads

MODEL DESIGNATOR
IC = Intelli-Charge Self-Diagnostic Electronics

OPTIONS
A = Ammeter
ACF1 = 120 Volt AC Input Fuse
ACF2 = 277 Volt AC Input Fuse
ACP1 = 120 Volt AC Disconnect Switch
ACP2 = 277 Volt AC Disconnect Switch
BDS = Battery Disconnect Switch
EX = Special Input Transformer[1] (specify voltage & frequency)
T = Self-Testing Diagnostics (non-audible)
TA = Audible Self-Testing Diagnostics
TD = Time Delay
V = Voltmeter

***CAPACITY & ENVIRONMENT SELECTION**
C = 12V, 300W; 24V, 300W
H = 12V, 300W; 24V, 300W
E = 12V, 300W; 24V, 300W

All other configurations are standard wet location listed from 0°C to 40°C.

NOTE:
1) Certain option combinations may impact UL listing, consult factory.
2) 24 volt systems only available in 300 and 450 watt configurations.

ACCESSORIES
(Order As A Separate Line Item)
NUMK = Universal Mounting Kit (column, pole, I-beam)
ICIR = Intelli-Charge Infra-Red Remote

4X Series

industrial and harsh environment emergency lighting
NEMA 3, 3r, 4, 4x, 12 and 13 classifications

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 14 to 50 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch
Constructed of impact-resistant, fiberglass-reinforced polyester
Includes two black, rectangular, thermoplastic 7 or 9 watt lamp heads externally mounted
Internally mounted white or black lamp heads available with "IH" option
Ideal for food processing and washdown areas
UL 924 listed, UL wet or damp location listings optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, NSF standard 2 “Splash Zone” listed

electrical specifications

Input power requirements: 120 VAC = 0.15 A, 277 VAC = 0.07 A

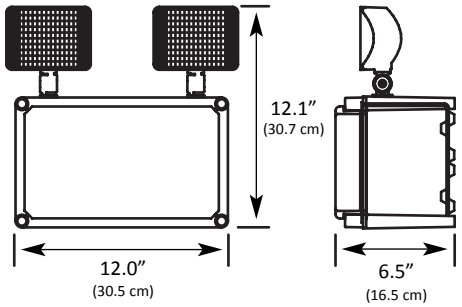
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp/Wet Location: 50°F (10°C) to 104°F (40°C)

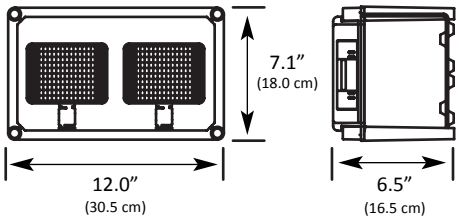
warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



With Internal Heads (IH) Option



ordering information

4X							
SERIES	DC VOLTAGE	BATTERY	DC WATTAGE		OPTIONS[1]	# OF HEADS	LAMP HEAD TYPE
4X = 4X Series	6 = 6 Volt 12 = 12 Volt	L = Lead Calcium N = Nickel Cadmium	6 Volt, Lead Calcium 18 = 18 Watts 25 = 25 Watts 36 = 36 Watts 50 = 50 Watts 12 Volt, Lead Calcium 36 = 36 Watts 50 = 50 Watts	6 Volt, Nickel Cadmium 14 = 14 Watts[3] 18 = 18 Watts 25 = 25 Watts 50 = 50 Watts 12 Volt, Nickel Cadmium 50 = 50 Watts	EX = Special Input Transformer[1] (specify voltage & frequency) IH = Internally Mounted Lamp Heads (specify head type**, up to 25W units only) TD1 = 120 VAC Time Delay[2] TD2 = 277 VAC Time Delay[2] TP = Tamperproof W = UL Wet Location Listing Z = UL Damp Location Listing	2 = Two	**Specify for “IH” option only White J66 = 6 Volt, 5.4 Watt J76 = 6 Volt, 7 Watt J96 = 6 Volt, 9 Watt Black J66B = 6 Volt, 5.4 Watt J76B = 6 Volt, 7 Watt J96B = 6 Volt, 9 Watt

ACCESSORIES
(Order As A Separate Line Item)
EMF = External Mounting Feet
NTPTOOL = Tamperproof Screwdriver
PCS1 = Polycarbonate Vandal Shield
WG5 = Wire Guard for Back Mount Units

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) 15 minute delay.
3) Standard lamp head 7 watt, 6 VDC.

CN4X Series

harsh environment emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 volt, 15 watt unit
Maintenance-free, sealed lead calcium battery
Constructed of corrosion-resistant grey fiberglass
Illumination provided by two 6 VDC, 7.2 watt, fully adjustable Par 36 style lamp heads
UL 924 listed
UL wet location listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.050 A, 277 VAC = 0.021 A

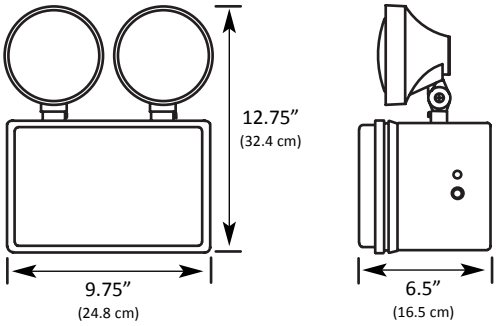
operating temperature range

44°F (5°C) to 104°F (40°C)

warranty

Electronics - one year full; Battery - one year full, four years pro-rata

dimensions



ordering information

CN4X

SERIES

CN4X = Corrosion-Resistant Emergency Lighting Unit
6 Volt, 15 Watt Emergency Lighting Fixture

Steel-Lite Series

Class I & II, Division 2
hazardous location emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 25 to 125 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Constructed of impact-resistant, fiberglass-reinforced polyester
Optional self-diagnostics
Suitable for use in NEMA 3, 4x, and 12 areas, and for use in Class I, Division 2, Groups A, B, C, and D, Zone 2, Groups IIA, IIB + H_2 and IIC hazardous location areas
Optional self-diagnostics
UL 924 listed, select models additionally listed to UL 844 and 1604
Nickel cadmium units additionally UL listed for Class II, Division 2, Groups F & G applications
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.34 A, 277 VAC = 0.15 A

operating temperature range

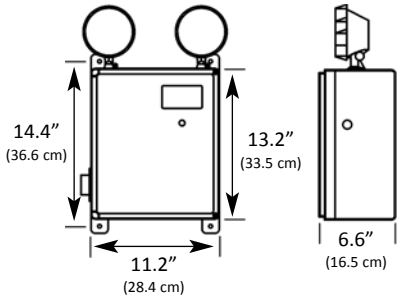
Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

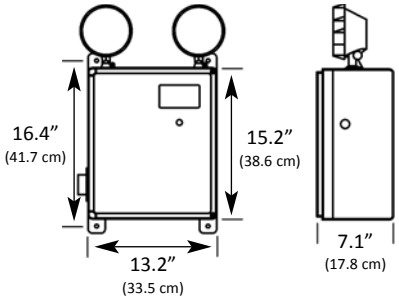
Electronics - three years full
Lead Calcium - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions

25 Watt to 75 Watt



100 Watt to 125 Watt



ordering information

SERIES/BATTERY

Lead Calcium
SC25 = 6 Volt, 25 Watt Unit
SC50 = 6 Volt, 50 Watt Unit
Nickel Cadmium
SN25 = 6 Volt, 25 Watt Unit[3]
SN50 = 6 Volt, 50 Watt Unit[3]

Lead Calcium
STC25 = 12 Volt, 25 Watt Unit
STC50 = 12 Volt, 50 Watt Unit
Nickel Cadmium
STN25 = 12 Volt, 25 Watt Unit[3]
STN50 = 12 Volt, 50 Watt Unit[3]
STN75 = 12 Volt, 75 Watt Unit[3]
STN100 = 12 Volt, 100 Watt Unit[3]
STN125 = 12 Volt, 125 Watt Unit[3]

LAMP HEADS

6 Volt, Tungsten
ZA = 8 Watt
ZB = 18 Watt
ZC = 25 Watt
ZD = 30 Watt
6 Volt, Halogen
ZI = 8 Watt
ZJ = 12 Watt

12 Volt, Tungsten
ZE = 12 Watt
ZF = 18 Watt
ZG = 25 Watt
ZH = 30 Watt
12 Volt, Halogen
ZK = 8 Watt
ZL = 12 Watt

Optional heads available, consult factory or refer to lamp heads page.

 # OF HEADS

3 = Three
2 = Two
1 = One
Blank = No Heads

OPTIONS[1]

AD = Accu-Test Self-Diagnostics
ADAL = Accu-Test with Alarm
ADTD = Accu-Test with Time Delay[4]
EX = Special Input Transformer (specify voltage & frequency)[1]
TD1 = 120 VAC Time Delay[2,4]
TD2 = 277 VAC Time Delay[2,4]

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Not available with AD, ADTD or ADAL options.
3) Additional listing for Class II, Division 2, Groups F & G.
4) 15 minute delay.

HZ Series

Class I & II, Division 2
hazardous location exit

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery
Constructed of impact-resistant, fiberglass-reinforced polyester
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Suitable for use in NEMA 3, 4x and 12 areas, and for use in Class I, Division 2, Groups A, B, C and D, Zone 2, Groups IIA, IIB + H_2 and IIC; and Class II, Division 2, Groups F & G hazardous location areas
Offers several levels of protection against dust, dirt and water
Optional self-diagnostics
UL 924, 844 and 1604 listed
UL listed for use in Class I & II, Division 2 hazardous locations
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only Exit = 0.08 A (120 VAC), 0.03 A (277 VAC); Self-Powered Exit = 0.09 A (120 VAC), 0.04 A (277 VAC)

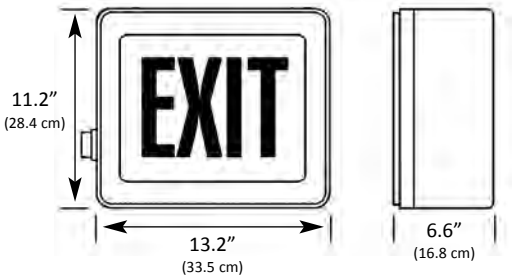
operating temperature range

Nickel Cadmium Units: 20°F (-7°C) to 95°F (35°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

HZ		1		
SERIES	BATTERY	STENCIL FACES	LETTER COLOR	OPTIONS[1]
HZ = Hazardous Location LED Exit	N = Nickel Cadmium A = AC Only	1 = Single	R = Red LED G = Green LED	AC = Accu-Test Self-Diagnostics ACL = Accu-Test with Alarm EX = Special Input Transformer (specify voltage & frequency)

NOTE: 1) Some option combinations may impact UL listing. Consult factory for specifics.

HZ Series

Class I & II, Division 2
hazardous location combination emergency exit

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Constructed of impact-resistant, fiberglass-reinforced polyester
Accommodates two top-mounted lamp heads
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Suitable for use in NEMA 3, 4x, and 12 areas, and for use in Class I, Division 2, Groups A, B, C, and D, Zone 2, Groups IIA, IIB + H_2 and IIC; and Class II, Division 2, Groups F & G hazardous location areas
Offers several levels of protection against dust, dirt and water
Optional self-diagnostics
UL 924, 844 and 1604 listed
UL listed for use in Class I & II, Division 2 hazardous locations
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Combination Exit = 0.21 A (120 VAC), 0.09 A (277 VAC)

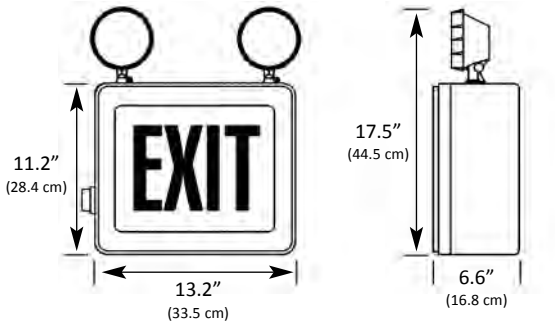
operating temperature range

Lead Calcium Units: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

HZ	6		1			
SERIES	SYSTEM VOLTAGE	BATTERY/WATTAGE	STENCIL FACES	LETTER COLOR	LAMP HEAD TYPE[1]	OPTIONS[2]
HZ = Hazardous Location LED Exit	6 = 6 VDC	L6 = Lead Calcium, 6 Watts L12 = Lead Calcium, 12 Watts L24 = Lead Calcium, 24 Watts L60 = Lead Calcium, 60 Watts	1 = Single	R = Red LED G = Green LED	NH = No Heads 1ZY = One Lamp Head 2ZY = Two Lamp Head Optional heads available, consult factory or refer to lamp heads page.	AC = Accu-Test Self-Diagnostics ACL = Accu-Test with Alarm EX = Special Input Transformer (specify voltage & frequency)[2] S = Shatterproof Lamp Head Lens TD1 = 120 VAC Time Delay[3] TD2 = 277 VAC Time Delay[3]

Notes:
1) Standard lamp head is 6 VDC, 6 Watt Halogen Par 36 (ZY style lamp head). Consult factory for alternate lamp heads.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) 15 minute delay.

IX Series

Class I, II & III, Division I
explosion-proof emergency power unit

features

120/277 VAC dual voltage input
Maintenance-free, sealed nickel cadmium or pure lead battery
IXPN14 power pack operates 7 watt compact fluorescent hazardous fixtures in both AC and emergency modes
IXN30, IXN50 and IXL85 power units operate 6 volt and 12 volt incandescent hazardous fixtures in emergency mode only
Copper-free cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere
Suitable for use in Class I, Division 1, Groups C & D, Zone 0, 1 & 2, Groups IIA, IIB + H_2 & IIC; Class I, Division 2, Groups C & D, Zone 2, Groups IIA, IIB + H_2 & IIC; Class II, Division 1, Groups E, F & G; Class II, Division 2, Groups F & G; Class III hazardous location areas
UL 924, 844, 1203 and 1604 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.50 A, 277 VAC = 0.22 A

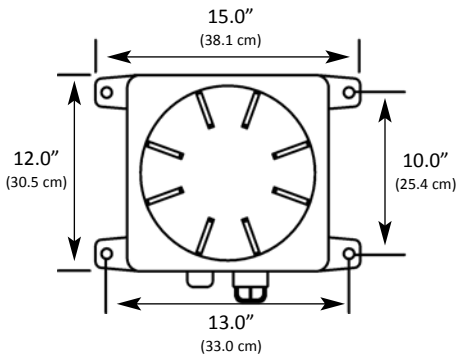
operating temperature range

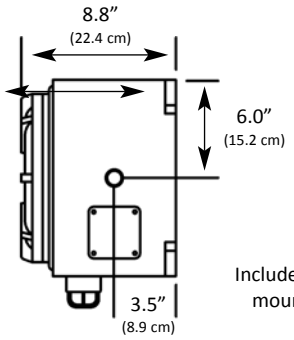
Pure Lead Units: 65°F (19°C) to 85°F (30°C), Nickel Cadmium Units: 20°F (-7°C) to 95°F (35°C)

warranty

Electronics - three years full
Pure Lead Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions





Includes clearance holes for mounting with ½” bolts

ordering information

SERIES/BATTERY

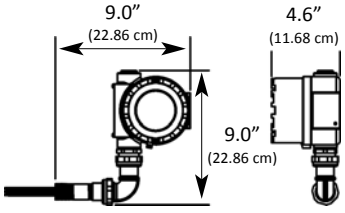
6 Volt, Nickel Cadmium
IXN30 = 28 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only[2]
IXPN14 = 14 Watt Power Pack, Compact Fluorescent Lamp Operation, AC & Emergency Operation[1]
6 Volt, Pure Lead
IXL85 = 85 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only[2]
12 Volt, Nickel Cadmium
IXN50 = 50 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only[3]

OPTIONS

EX = Special Input Transformer
(specify voltage & frequency)
TD1 = 120 VAC Time Delay[4]
TD2 = 277 VAC Time Delay[4]

ACCESSORIES
(Order As A Separate Line Item)
EVLA12 = 12V, 12W Directional Head
(see photo & dimensions)

EVLA12



NOTE: 1) For "Normally On", use exclusively with RWHFP7, RPHFP7 and RCHFP7 remotes. Maximum remote distance is 8 feet. 2) For "Normally Off", use exclusively with R Series 6 VDC remotes. 3) For "Normally Off", use exclusively with R Series 12 VDC remotes. 4) 15 minute delay.

R-Series

hazardous location remote emergency lighting fixtures for use with IX series

features

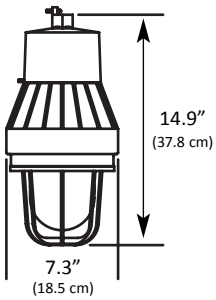
Illumination is accomplished with halogen incandescent or compact fluorescent lamps protected with a high-impact, heat-resistant globe and cast aluminum globe guard
Compatible with medium base incandescent or 13 watt compact fluorescent lamps for non-emergency application
Copper-free, cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere
Wall, ceiling or pendant mount, optional exit accessory
Suitable for use in Class I, Div. 1 & 2, Groups C & D; Class I, Zone 1 & 2, Groups IIB & IIA; Class II, Div. 1 & 2, Groups E, F & G; Class III, Div. 1 & 2 hazardous location areas
Temperature performance rating T6 (maximum ambient temperature 160°)
UL listed to 924 and 844
NEMA 3, 4, 4X
Suitable for wet locations
NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

warranty

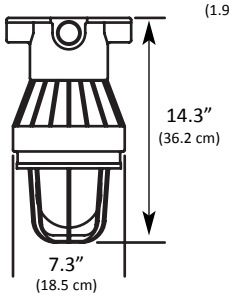
Three years full

dimensions

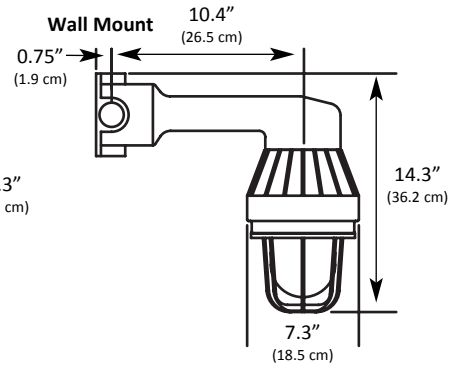
Pendant Mount



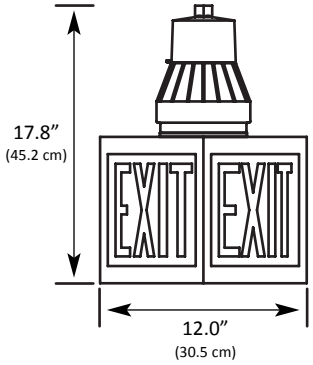
Ceiling Mount



Wall Mount



Pendant Mount with Optional Exit Accessory



ordering information

R			
SERIES	MOUNTING CONFIGURATION	INPUT VOLTAGE (AC ONLY)	LAMP WATTAGE

R = R-Series

P = Pendant
C = Ceiling
W = Wall

Incandescent
Blank = 120V

Compact Fluorescent
120 = 120 VAC
277 = 277 VAC

AC Only
HF = 150WA19 Incandescent[1]
P13 = 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[2]

ACCESSORIES
(Order As A Separate Line Item)
AR = 25° Angle Dome Reflector
EFK = Exit Accessory Kit (red letter only)
OB3 = 3-Way Explosion Proof ¾” Conduit Hub
SDR = Straight Dome Reflector
SEA = Swivel Elbow Arm for Use with Pendant Mount Fixture to Connect to OB3 or IX Unit

NOTE:
1) Lamps not provided.
2) For “Normally On” use exclusively with IXPN14 Emergency Power Unit. Maximum remote mounting distance is 8 feet.
3) Lamp provided.

R-Series

self-contained hazardous location
wall, ceiling or pendant mount

features

120/277 VAC dual voltage input
Each high-intensity lamp can be independently adjusted to provide custom emergency lighting to a specific area
Copper-free, cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere
Includes four maintenance-free, lead calcium batteries to provide 12 VDC output of 60 watts for 90 minutes
Suitable for use in Class I, Division 1, Groups C & D, Zone 0, 1 & 2, Groups IIA, IIB + H_2 & IIC; Class I, Division 2, Groups C & D, Zone 2, Groups IIA, IIB + H_2 & IIC; Class II, Division I, Groups E, F & G; Class II, Division 2, Groups F & G; Class III hazardous location areas
NEMA rated 7CD and 9EFG areas
Temperature performance rating T6 - Class I, T5 - Class II (max. ambient temperature 160°)
UL listed to 924 and 844
NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.50 A, 277 VAC = 0.22 A

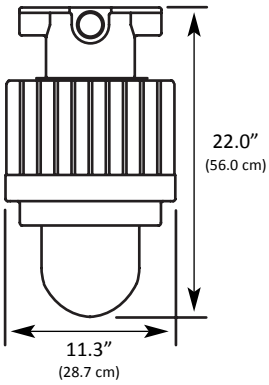
operating temperature range

Lead Calcium Units: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

R		THF6012
SERIES	MOUNTING CONFIGURATION	LAMP WATTAGE
R = R-Series	P = Pendant C = Ceiling W = Wall	THF6012 = (3) 12V, 20W Halogen

ACCESSORIES
(Order As A Separate Line Item)
EFK2 = Exit Accessory Kit (red letter only)

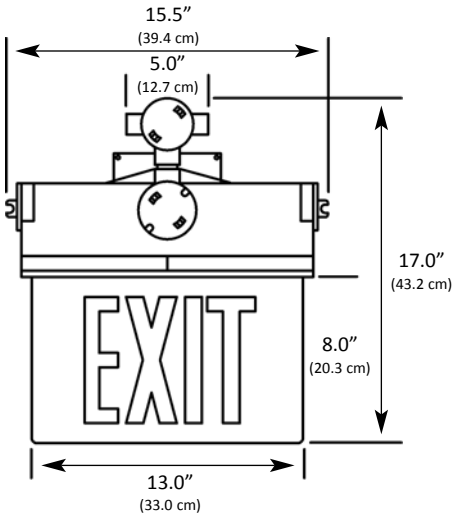
EXL Series

hazardous location edge-lit exit sign

features

120 VAC with optional 277 VAC kit
Operates two 60 watt, 60T10 clear incandescent lamps wired in parallel (lamps not included)
6" red lettering on white acrylic panel
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 ¾" top hub
Suitable for use in Type 7, Class I, Groups C & D; Type 9, Class II, Groups E, F & G hazardous location areas
Temperature performance rating T3C (Class I, Groups C & D; Class II, Groups E, F & G)
UL listed to 844
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

dimensions



ordering information

EXL		
SERIES	**MOUNTING/FACES**	**OPTIONS**
EXL = EXL Edge-Lit Exit for Hazardous Locations	21A = Wall Mount, Single Face 22AA = End Mount, Double Face 23AA = Pendant Mount, Double Face	B = Arrow Right BC = Double Face, Arrow Left or Right C = Arrow Left D = Double Arrow DD = Double Face, Double Arrow GN = Green Letters

ACCESSORIES
(Order As A Separate Line Item)
ECT413 = 277 VAC Transformer Kit

CD Series

dust-proof lighting fixtures for remote or emergency lighting applications

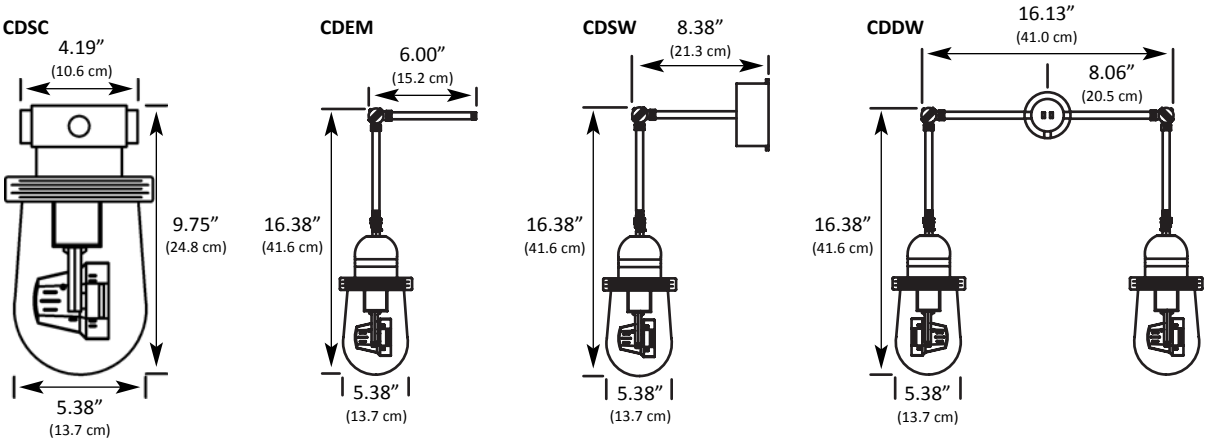
features

Available in 6 VDC, 12 VDC or 120 VAC voltage configurations
120 VAC configuration is ideal when using an AC inverter/UPS emergency lighting system
Constructed of corrosion-resistant, cast aluminum alloy with an epoxy polyester finish
Illumination is accomplished with halogen or incandescent lamps that are adjustable to 360°
CDEM1 (2) fixture is designed for direct mounting to the IXN50 battery unit (IXN50 unit not included)
Suitable for use in Class II, Division 1 & 2, Groups E, F & G and Class III areas
Temperature performance rating is T3B
Supply wire rating 150°C
UL file card U522R

warranty

Electronics - three years full

dimensions



operating temperature range

CD		
SERIES	FIXTURE TYPE	VOLTAGE
CD = Combustible Dust Fixture	SC = Ceiling Mount EM = End Mount SW = Single Wall Remote DW = Double Wall Remote	1 = 6 VDC, 12W[2] 2 = 12 VDC, 12W[2] 3 = 120 VAC[1]

NOTE:
1) Uses (1) 150W A19 medium base lamp (not included).
2) Uses (1) 6 OR 12 VDC watt halogen lamp (included).

ACCESSORIES
(Order As A Separate Line Item)
WGG = Wire Guard for Globe Only

Caliber Series

edge-lit exit with LED illumination

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Maintenance-free, sealed nickel cadmium battery (battery option)
Premium, die cast aluminum housing available in a wide range of finishes (see page 5 for color examples)
Panel manufactured from high-impact acrylic and silk-screened using computer generated artwork
Panel is available in 6" or 8" letter heights, universal self-adhesive chevrons are standard
Standard Intelli-Charge self-diagnostics, self-testing is optional on self-powered emergency models (see page 76 for Intelli-Charge features)
Standard mounting capabilities include: recessed ceiling, surface ceiling, surface end and surface wall mount
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs offer even illumination
UL 924 listed, UL damp location listing, NEMA Premium certified
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, meets ADA specifications for wall mounted lighting fixtures
Certified to the California Energy Commission in accordance with California law

electrical specifications

AC Only Red = 3.80 watts (120 VAC), PF = 0.96
3.80 watts (277 VAC), PF = 0.91
AC Only Green = 4.00 watts (120 VAC), PF = 0.95
4.00 watts (277 VAC), PF = 0.90

Self-Powered Red = 4.70 watts (120 VAC), PF = 0.95
4.81 watts (277 VAC), PF = 0.97
Self-Powered Green = 4.71 watts (120 VAC), PF = 0.95
4.67 watts (277 VAC), PF = 0.99

operating temperature range

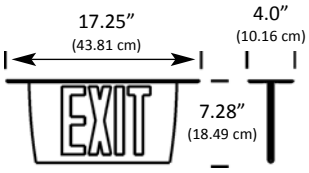
32°F (0°C) to 104°F (40°C)

warranty

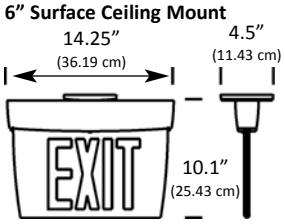
Electronics - five years full; Battery - five years full, five years pro-rata

dimensions (also available in 8" panel)

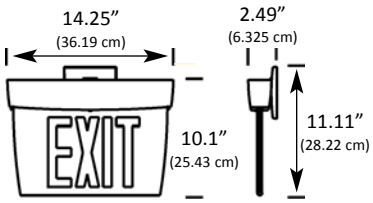
6" Recessed Ceiling Mount



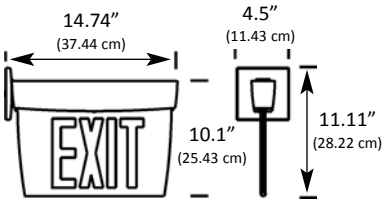
6" Surface Ceiling Mount



6" Surface Wall Mount



6" Surface End Mount



ordering information

					IC	
SERIES	LEGEND HEIGHT	LETTER/BACKGROUND COLOR	HOUSING FINISH	# OF FACES	MODEL DESIGNATOR[1]	OPTIONS

SERIES
CA = Caliber AC Only LED Exit
CN = Caliber Self-Powered LED Exit

LEGEND HEIGHT
6 = 6" Exit
8 = 8" Exit

LETTER/BACKGROUND COLOR
RC = Red/Clear[5]
GC = Green/Clear[5]
RW = Red/White
GW = Green/White
RM = Red/Mirror
GM = Green/Mirror

HOUSING FINISH
W = White
B = Black
A = Brushed Aluminum
G = Gunmetal
BR = Ornamental Bronze
AC = Aged Copper
VG = Velvet Green
N = Nickel
GR = Granite
PA = Painted Aluminum

 # OF FACES
1 = Single Face
2 = Double Face
X = Less Panel[4]

MODEL DESIGNATOR[1]
IC = Intelli-Charge Diagnostic Electronics (non-audible)

OPTIONS
2CKT1 = 120 VAC Two Circuit (AC only models)
2CKT2 = 277 VAC Two Circuit (AC only models)
BF = Buzzer/Flasher (self-powered models only)
BZ = Buzzer (self-powered models only)
DC = 12-48 VDC Input (AC only models)
EX = Special Input Transformer (specify voltage & frequency)[2]
FA = Fire Alarm Activated Flasher
FL = Flasher (self-powered models only)
LBB = Unit Less Backbox[3]
T = Self-Testing Diagnostics (non-audible)
TA = Audible Self-Testing Diagnostics
SW = Special Wording (consult factory)[2]

ACCESSORIES
(Order As A Separate Line Item)
BBKIT = Backbox Rough-In Kit**
BBKITDC = Backbox Rough-In Kit with DC Option
BBKIT2CKT1 = Backbox Rough-In Kit with 2CKT1 Option
BBKIT2CKT2 = Backbox Rough-In Kit with 2CKT2 Option
ICIR = Intelli-Charge Infra-Red Remote
PKIT12B = Pendant Kit, 12" Black*
PKIT12W = Pendant Kit, 12" White*
*Custom pendant lengths and colors available, consult factory.
**Backbox rough-in kit supplied with a clear coat finish for installation above a finished ceiling. Must order remainder of product with LBB suffix.

NOTE:
1) For self-testing models refer to options.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) Required model number for units with backboxes installed on the job.
4) Order when panels are not required at time of installation. Consult factory for edge-lit panel order number.
5) Clear background only available on single face.

Caliber Signage

edge-lit special wording signage with white LED illumination

features

120/277 VAC, 60 Hz dual voltage input
AC only operation
Offers an endless amount of computer-generated custom graphics and wording to match your wayfinding or informational needs
Premium die cast aluminum housing available in a wide range of finishes (see page 5 for color examples)
Panel manufactured from high-impact acrylic and silk-screened using computer generated artwork
Standard mounting capabilities include: recessed ceiling, surface ceiling, surface end and surface wall mount
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
UL 48 listed
UL damp location listing
IC rated
Meets ADA specifications for wall mounted lighting fixtures

electrical specifications

AC Only: 120 VAC = 0.084 A, .90 PF; 277 VAC = 0.037 A, .90 PF

operating temperature range

32°F (0°C) to 104°F (40°C)

warranty

Electronics - five years full

dimensions

See Caliber Series on page 44

special wording examples

E4

E8

E11


E17

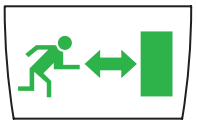

E24

E25

E26

E28

E29


E30

ordering information

CS						
SERIES	**HOUSING FINISH**	**# OF FACES**	**GRAPHICS COLOR**	**LENS INSERT**	**SPECIAL WORDING**	**OPTIONS**
CS = Caliber Series White LED AC Only Signage	W = White B = Black A = Brushed Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GR = Granite	1 = Single Face 2 = Double Face	R = Red G = Green B = Blue K = Black Y = Yellow Optional colors available, consult factory.	Blank = Clear M = Mirror	See Examples Above or Consult Factory	Blank = No Options FL = AC Flasher RFL = Remote Switched Flasher

ACCESSORIES
(Order As A Separate Line Item)
PKIT12B = Pendant Kit, 12" Black*
PKIT12W = Pendant Kit, 12" White*
*Custom pendant lengths and colors available, consult factory.

Symmetry II Series

thermoplastic exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery (battery option)
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Universal top, side or back mounting
Canopy furnished with all models, not needed for back-to-wall mounting
Housing design simplifies installation and does not require hard wire terminations inside of the exit housing
Optional self-diagnostics
UL 924 listed
UL damp location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only	Self-Powered
Red = 0.026 A (120 VAC), 0.012 A (277 VAC)	Red = 0.033 A (120 VAC), 0.017 A (277 VAC)
Green = 0.026 A (120 VAC), 0.012 A (277 VAC)	Green = 0.033 A (120 VAC), 0.017 A (277 VAC)

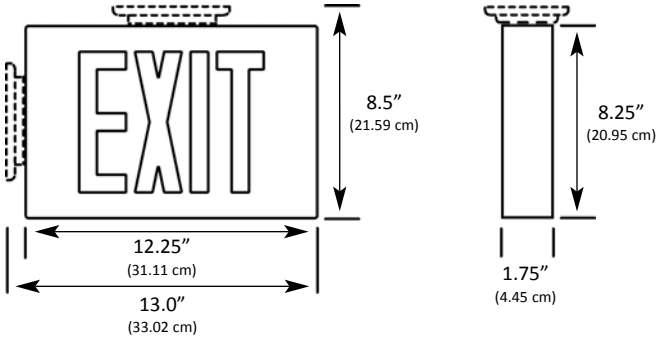
operating temperature range

Damp Location: 68°F (20°C) to 104°F (40°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

E			
SERIES	LETTER COLOR	BATTERY	OPTIONS
E = Symmetry II Series Thermoplastic LED Exit Sign	R = Red LEDs G = Green LEDs	A = AC Only B = Nickel Cadmium Battery	AD = Accu-Test Self-Diagnostics B = Black Stencil, Black Housing

NOTE: Standard product is furnished with white housing, white stencil and canopy for universal mounting, single or double face.

Symmetry II Series

thermoplastic exit sign with LED illumination and remote capability

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Universal top, side or back mounting
Canopy furnished with all models, not needed for back-to-wall mounting
Housing design simplifies installation and does not require hard wire terminations inside of the exit housing
UL 924 listed
UL damp location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements (Self-Powered):
Red = 0.027 A (120 VAC), 0.012 A (277 VAC); Green = 0.030 A (120 VAC), 0.014 A (277 VAC)

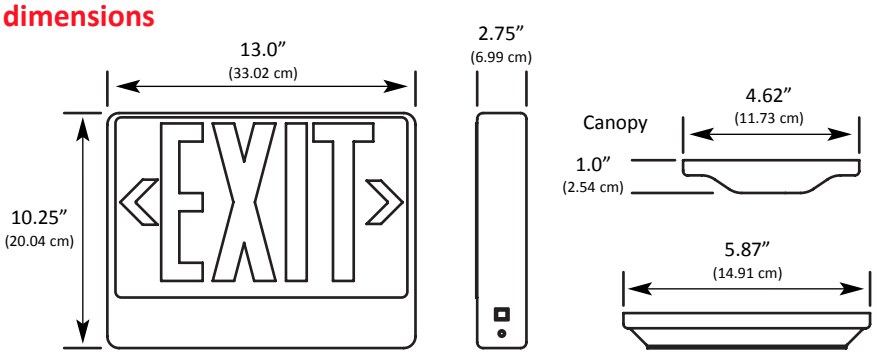
operating temperature range

Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

E		B		
SERIES	LETTER COLOR	BATTERY	HOUSING COLOR	OPTIONS
E = Symmetry II Series Thermoplastic LED Exit Sign	R = Red LEDs G = Green LEDs	B = Lead Calcium for Emergency Operation	Blank = White	XBAT = 12 Watt, 6 Volt Remote Capability XBAT2 = 22 Watt, 6 Volt Remote Capability

NOTE: Standard product is furnished with white housing, white stencil and canopy for universal mounting, single or double face.

Symmetry II Series Combination

thermoplastic combination emergency exit sign
with LED illumination and adjustable lamps

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Emergency illumination is accomplished with two high-performance lamp heads
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Universal installation along top or back of housing
Canopy furnished with all models
Housing design simplifies installation and does not require hard wire terminations inside of the exit housing
Optional self-diagnostics
UL 924 listed
UL damp location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements (Self-Powered):
Red = 0.027 A (120 VAC), 0.012 A (277 VAC); Green = 0.030 A (120 VAC), 0.013 A (277 VAC)

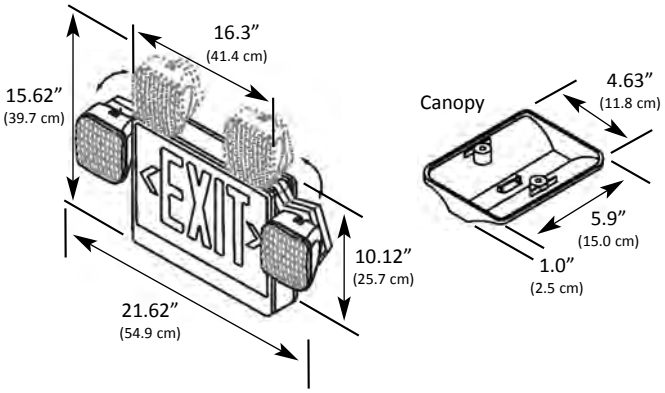
operating temperature range

Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

E		C2	
SERIES	LETTER COLOR	BATTERY	OPTIONS
E = Symmetry II Series Thermoplastic LED Exit Sign	R = Red LEDs G = Green LEDs	C2 = Combination Emergency Exit	AD = Accu-Test Self-Diagnostics XBAT = 12 Watt Remote Capability[1]

NOTE: 1) XBAT not available with AD Self-Diagnostics.

Symmetry I Series

thermoplastic exit sign with
LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery (battery option)
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
White or black housing finish
Snap-fit housing design simplifies installation
All mechanical connections between the exit housing and canopy are made tool-free
Illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL damp location listing optional, self-diagnostics optional
UL 924 listed, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC:
AC Only = 0.89 watts (red), 2.17 watts (green); Self-Powered = 3.62 watts (red), 2.79 watts (green)

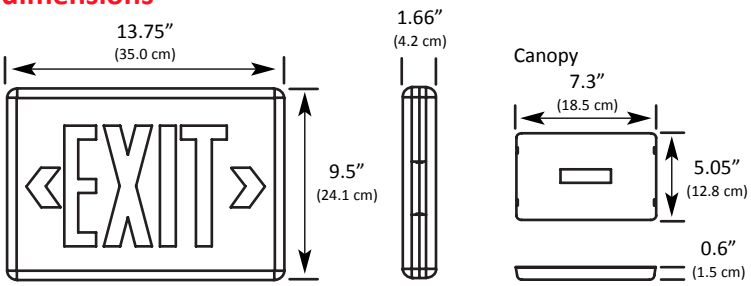
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

S	L					
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	STENCIL FACE/HOUSING COLOR	OPTIONS[1]
S = Symmetry Series Thermoplastic LED Exit	L = LED	A = AC Only N = Nickel Cadmium	1 = Single 2 = Double U = Universal Single/Double Face	R = Red G = Green	B = Black W = White	2CKT1 = 120 VAC Two Circuit 2CKT2 = 277 VAC Two Circuit AD = Accu-Test Self-Diagnostics BF = Buzzer/Flasher (self-powered only) BZ = DC Buzzer (self-powered only) DC12 = 12 VDC Remote Emergency Power DL = UL Damp Location Listing EX = Special Input Transformer (specify voltage and frequency)[1] FA = 24 VDC Fire Alarm Interface (regulated constant voltage) FL = Flasher (self-powered only) LL = Low Level Institutional Frame Surface Mount Remote Exit LP = Low Level Matching Thermoplastic Remote Exit SW = Special Wording/Graphics (consult factory) TP = Tamperproof (requires T15TPTOOL) VRS = Vandal Resistant Lens with Tamper Resistant Hardware

ACCESSORIES
(Order As A Separate Line Item)
SPKIT12BK = Pendant Kit, 12” Black[2]
SPKIT12WH = Pendant Kit, 12” White[2]

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Custom pendant lengths and colors available, consult factory.

Symmetry I Series Combination

thermoplastic combination exit sign with
LED illumination and adjustable lamps

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Chevrons can be installed/removed from outside the exit housing
Emergency illumination is provided by two, high-performance, lamp reflector systems integral to the product housing
Each lamp reflector system incorporates a high-intensity, T-5 wedge base tungsten or halogen lamps, and can be adjusted 180° vertically and horizontally
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL damp location listing optional, self-diagnostics optional
UL 924 listed, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements:
12 Watt Units = 0.114 A (120 VAC), 0.054 A (277 VAC); 14-25 Watt Units = 0.118 A (120 VAC), 0.056 A (277 VAC)

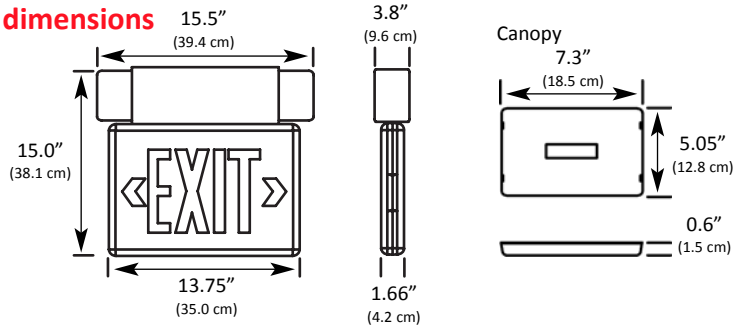
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

S						
SERIES	WATTAGE/CAPACITY	LAMP TYPE[1]	STENCIL FACES	LETTER COLOR	STENCIL FACE/HOUSING COLOR	OPTIONS[2]
S = Symmetry Series Thermoplastic Combination Emergency LED Exit	Lead Calcium 12L = 12 Watts 18L = 18 Watts 25L = 25 Watts Nickel Cadmium 14N = 14 Watts 18N = 18 Watts	T6 = Tungsten 5.4W T7 = Tungsten 7W T9 = Tungsten 9W H7 = Halogen 7W H12 = Halogen 12W	1 = Single 2 = Double U = Universal Single/Double Face	R = Red G = Green	B = Black W = White	AD= Accu-Test Self-Diagnostics BF = Buzzer/Flasher (emergency operation only)[3] BZ = DC Buzzer (emergency operation only)[3] DL = UL Damp Location Listing[5] EX = Special Input Transformer (220/240 VAC 50 Hz) FA = 24 VDC Fire Alarm Interface (reg. constant DC voltage) FL = Flasher (emergency operation only)[3] LL = Low Level Institutional Frame Surface Mount Remote Exit[3,4] LP = Low Level Matching Thermoplastic Remote Exit[3,4] TP = Tamperproof (requires T15TPTOOL) VRS = Vandal Resistant Lens with Tamperproof Hardware

Note:
1) Selected lamp wattage cannot exceed unit output rating. Standard lamp configuration utilizes T-5 wedge base, 5.4 watt, 6 volt lamp.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) Not available with Accu-Test option.
4) "LL" and "LP" options are only available with 18 or 25 watt models.
5) 12L and 18L models not available with DL option.

Symmetry Series Edge-Lit

thermoplastic edge-lit exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
AC only and self-powered models
Maintenance-free, sealed nickel cadmium battery (battery option)
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing/backbox, can be used for both recessed and surface mount applications
Stencil panel includes customer-installable chevrons, and is made from high-impact, clear acrylic (white and mirrored inserts also included)
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
UL damp location listing optional
UL 924 listed, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC:
AC Only = 5.16 watts (red), 4.80 watts (green); Self-Powered = 8.4 watts (red), 5.4 watts (green)

operating temperature range

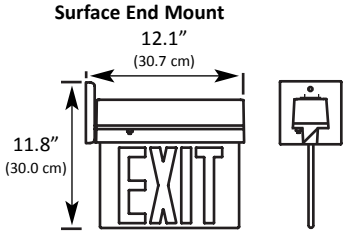
Standard Location: 65°F (19°C) to 85°F (30°C); Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

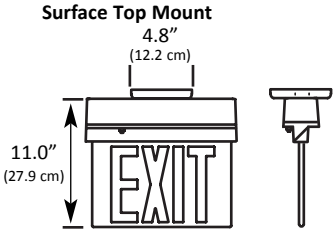
Electronics - three years full; Battery - five years full, five years pro-rata

dimensions

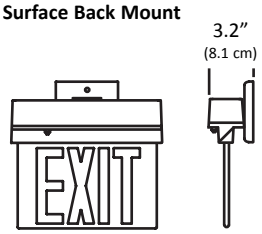
Surface End Mount



Surface Top Mount

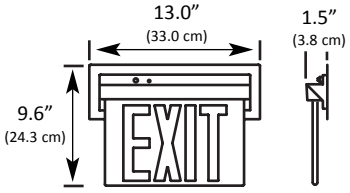


Surface Back Mount

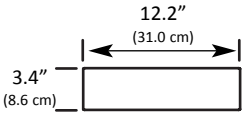


Recessed Top Mount

Recessed Back Mount



Hole Dimensions for Recessed Mount



ordering information

SERIES	HOUSING/TRIM FINISH	# OF FACES	LETTER COLOR	OPTIONS[1]
S = Symmetry AC LED Edge-Lit Exit	B = Black	1 = Single Face	R = Red LED	2CKT1 = 120 VAC Two Circuit
SE = Symmetry Self-Powered LED Edge-Lit Exit	W = White	2 = Double Face	G = Green LED	2CKT2 = 277 VAC Two Circuit
				BF = Buzzer/Flasher (self-powered only)
				BZ = DC Buzzer (self-powered only)
				DL = Damp Location Listing
				EX = Special Input Transformer (specify voltage and frequency)[1]
				FA = Fire Alarm Flasher
				FL = Emergency Flasher

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Custom pendant lengths and colors available, consult factory.
3) Required for recessed installations.

ACCESSORIES
(Order As A Separate Line Item)
SEPKIT12B = Pendant Kit, 12" Black[2]
SEPKIT12W = Pendant Kit, 12" White[2]
SC = Bar Hanger Kit[3]

CAD Series

die cast aluminum exit with
LED illumination

features

120/277 VAC, 60 Hz voltage dual input
Maintenance-free, sealed nickel cadmium battery (battery option)
Die cast aluminum construction with NFPA-compliant, field-selectable chevrons
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
All electronics are contained within the exit frame for low-profile mounting
Optional self-diagnostics
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only	Self-Powered
Red = 0.026 A (120 VAC), 0.012 A (277 VAC)	Red = 0.033 A (120 VAC), 0.017 A (277 VAC)
Green = 0.026 A (120 VAC), 0.012 A (277 VAC)	Green = 0.033 A (120 VAC), 0.017 A (277 VAC)

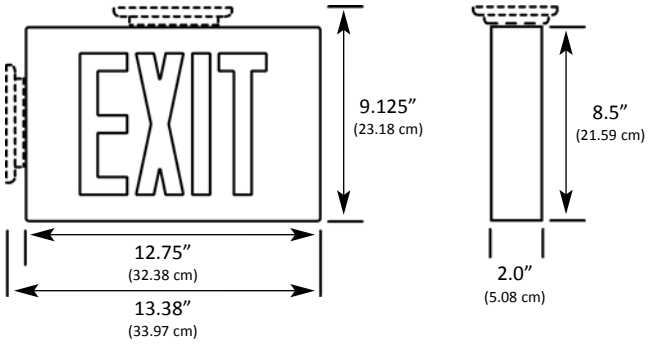
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Five years full

dimensions



ordering information

CAD		U			
SERIES	BATTERY TYPE	STENCIL FACES	LETTER COLOR	STENCIL FACE/HOUSING COLOR	OPTIONS
CAD = Die Cast Aluminum Exit	Blank = AC Only N = Nickel Cadmium	U = Universal Two Faces, Backplate and Canopy	R = Red G = Green	A = Natural Brushed Aluminum Stencil Face/Black Housing B = Black Stencil Face and Housing W = White Stencil Face and Housing	AD = Self-Testing Diagnostics[1]

ACCESSORIES
(Order As A Separate Line Item)
PKIT12B = Pendant Kit, 12” Stem, Black[2]
PKIT12W = Pendant Kit, 12” Stem, White[2]

NOTE:
1) AD available on nickel cadmium models only and only as universal.
2) Custom pendant lengths and colors available, consult factory.

CX Series

die cast aluminum exit sign
with LED illumination

features

120/277 VAC, 60 Hz dual voltage input, maintenance-free, sealed nickel cadmium battery (battery option)
Die cast aluminum construction with NFPA-compliant, field-selectable chevrons; white, black or brushed aluminum housing finish
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
Hinged stencil door provides a secure closure, yet is accessible for installation, maintenance and inspection
Standard Intelli-Charge self-diagnostics, self-testing is optional on self-powered emergency models (see page 76 for Intelli-Charge features)
UL 924 listed, UL damp location listing optional, NEMA Premium certified
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Certified to the California Energy Commission in accordance with California Law

electrical specifications

AC Only Red = 3.8 watts (120 VAC), PF = 0.96
3.8 watts (277 VAC), PF = 0.91
AC Only Green = 4.0 watts (120 VAC), PF = 0.95
4.0 watts (277 VAC), PF = 0.90

Self-Powered Red = 4.7 watts (120 VAC), PF = 0.95
4.8 watts (277 VAC), PF = 0.97
Self-Powered Green = 4.7 watts (120 VAC), PF = 0.95
4.7 watts (277 VAC), PF = 0.99

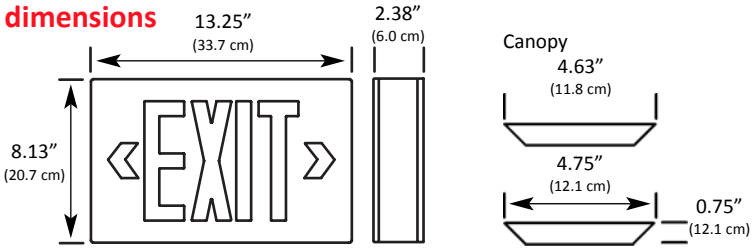
operating temperature range

AC Only: -40°F (-40°C) to 113°F (45°C)
Self-Powered Models - Standard Location: 65°F (19°C) to 85°F (30°C)
Self-Powered Models - Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

CX	L					IC	
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	STENCIL FACE/HOUSING COLOR	MODEL DESIGNATOR	OPTIONS[1]
CX = Die Cast Aluminum Exit	L = LED	A = AC Only N = Nickel Cadmium	1 = Single 2 = Double	R = Red G = Green	W = White Stencil & Housing B = Black Stencil & Housing N = Natural Brushed Aluminum Stencil & Housing A = Natural Brushed Aluminum Stencil & Black Housing WA = Natural Brushed Aluminum Stencil & White Housing	IC = Intelli-Charge Diagnostics	2CKT1 = 120 VAC Two Circuit Wiring 2CKT2 = 277 VAC Two Circuit Wiring BF = Buzzer/Flasher (emergency units only) BZ = Buzzer (emergency units only) DC = 12-48 VDC Input Power (AC only models) DL = Damp Location Listing EX = Special Input Transformer (specify voltage and frequency) FA = 24 VDC Fire Alarm Interface (regulated constant DC voltage) FL = Flasher (emergency units only) PM = Pendant Mount Only[2] (must order pendant kit accessory) SW = Special Wording/Graphics[3] T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TP = Tamperproof VRS = Vandal Resistant Lens with Tamperproof Hardware

ACCESSORIES
(Order As A Separate Line Item)
CXKIT12B = Pendant Kit, 12" Black
CXKIT12W = Pendant Kit, 12" White
ICIR = Intelli-Charge Infra-Red Remote
T15TPTOOL = Tamperproof Screwdriver
PCS1 = Polycarbonate Vandal Shield
WG4 = WIre Guard
WG10 = Wire Guard for Side Mounting

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Must specify "PM" option for compatibility with pendant kit.
3) Utilizes larger housing - 13.5 x 8.5 x 2.5.

CX Series

fully recessed die cast aluminum
exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery (battery option)
Die cast aluminum construction with NFPA-compliant, field-selectable chevrons
White, black or brushed aluminum housing finish
Includes 20 gauge, galvanized steel mounting frame for fully recessed drywall installations
Slim 2.5" recessed depth allows mounting flexibility in shallow aluminum stud wall systems, as well as standard wood stud/sheetrock applications
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
All electronics are contained within the exit frame for low-profile mounting
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC:
AC Only = 3.32 watts (red), 4.11 watts (green); Self-Powered = 4.39 watts (red), 3.52 watts (green)

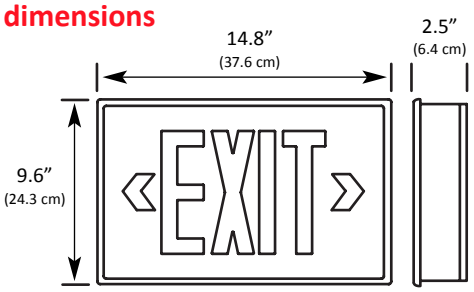
operating temperature range

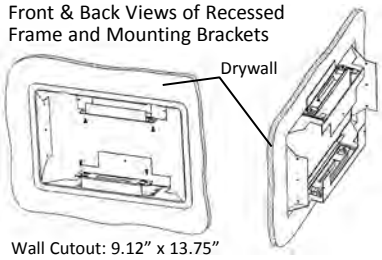
Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions





ordering information

CX	L		1				
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	STENCIL FACE/HOUSING COLOR	TRIM FRAME	OPTIONS
CX = Die Cast Aluminum Exit	L = LED	A = AC Only N = Nickel Cadmium	1 = Single	R = Red G = Green	W = White Stencil Face B = Black Stencil Face A = Natural Brushed Aluminum Stencil Face	FRW = White Trim Plate FRB = Black Trim Plate	2CKT1 = 120 VAC Two Circuit 2CKT2 = 277 VAC Two Circuit BF = Buzzer/Flasher (emergency units only) BZ = Buzzer (emergency units only) DC6 = 6 VDC Remote Emergency Power DC12 = 12 VDC Remote Emergency Power EX = Special Input Transformer (specify voltage and frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher LCR = Low Level Matching Exit TP = Tamperproof VRS = Vandal Resistant Lens with Tamperproof Hardware

ACCESSORIES
(Order As A Separate Line Item)
T15TPTOOL = Tamperproof Screwdriver

NOTE: Some option combinations may impact UL listing. Consult factory for specifics.

RCX Remote Series

remote capable die cast aluminum
exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Up to 10.8 watts of remote capability
Maintenance-free, sealed lead calcium battery
Two-piece, die cast aluminum construction with NFPA-compliant, field-selectable chevrons
White, black or brushed aluminum housing finish
Universal knockouts located on canopy backplate allow for wall mounting directly to standard junction boxes
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
UL 924 listed
UL damp location listing optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input Power Requirements:
Red = 10.4 watts (120 VAC), 10.8 watts (277 VAC); Green = 9.8 watts (120 VAC), 10.8 watts (277 VAC)

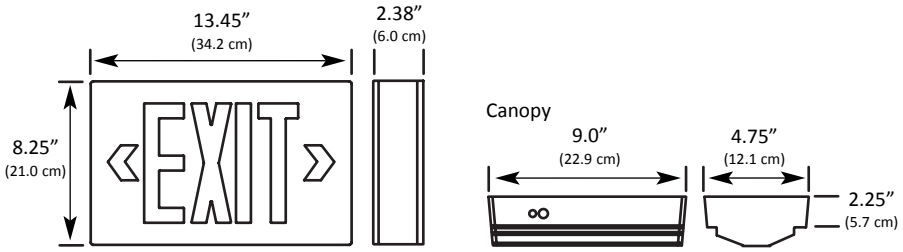
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 113°F (45°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

RCX	L	N				
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	STENCIL FACE/HOUSING COLOR	OPTIONS
RCX = Die Cast Aluminum Exit	L = LED	N = Self-Powered	1 = Single 2 = Double	R = Red G = Green	A = Natural Brushed Aluminum Stencil Face/Black Housing B = Black Stencil Face and Housing N = Natural Brushed Aluminum Stencil Face and Housing W = White Stencil Face and Housing WA = Natural Brushed Aluminum Stencil Face/White Housing	DL = Damp Location Listing, 10°C to 45°C

Sterling Series

recessed mount edge-lit exit with
LED illumination

features

120/277 VAC, 60 Hz dual voltage input
AC only and self-powered models
Self-powered models includes low voltage disconnect, AC lockout and brownout protection features
Maintenance-free, sealed nickel cadmium battery (battery option)
20 gauge steel backbox with brushed aluminum faceplate
Panel is constructed of high-impact, clear acrylic
Includes NFPA-compliant, field-selectable chevrons
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
24" adjustable bar hangers are supplied standard for mechanical or sheetrock installations
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only
Red = 7.06 watts (120 VAC), 7.71 watts (277 VAC)
Green = 5.22 watts (120 VAC), 5.86 watts (277 VAC)

Self-Powered
Red = 6.67 watts (120 VAC), 7.28 watts (277 VAC)
Green = 5.1 watts (120 VAC), 5.73 watts (277 VAC)

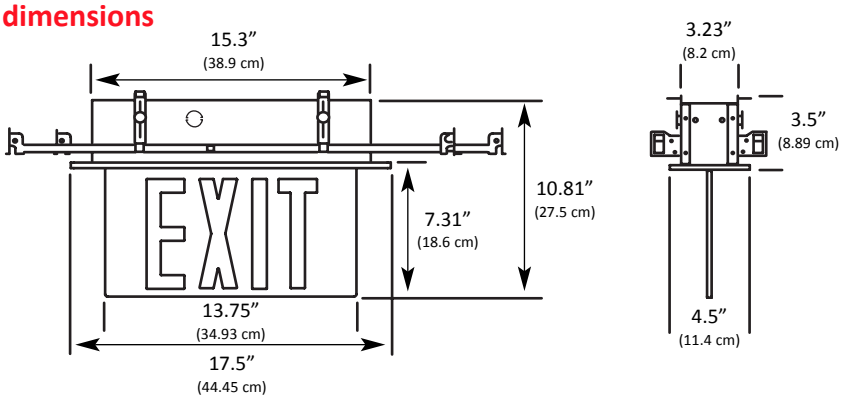
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

	C		
SERIES	MOUNTING	# OF FACES	LETTER COLOR
STDLX = AC Only 120/277 VAC STELX = Self-Powered 120/277 VAC	Recessed C = Ceiling Mount	S = Single D = Double	RC = Red on Clear[1] GC = Green on Clear[1] RM = Red with Mirrored GM = Green with Mirrored

NOTE: 1) Double face not available with "Red on Clear" or "Green on Clear" panel selections.

Excel Series

heavy-duty exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Emergency operation version includes low voltage disconnect, AC lockout and brownout protection features
Maintenance-free, sealed nickel cadmium battery (battery option)
Constructed of three-piece, 20 gauge, cold-rolled steel
Includes NFPA-compliant, field-selectable chevrons
White or black powder coat finish
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
Optional self-diagnostics
UL 924 listed
UL damp location listing available on AC only versions
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements:
AC Only
Red = 0.046 A (120 VAC), 0.020 A (277 VAC); Green = 0.033 A (120 VAC), 0.014 A (277 VAC)
Self-Powered
Red = 0.090A (120 VAC), 0.039 A (277 VAC); Green = 0.090 A (120 VAC), 0.039 A (277 VAC)

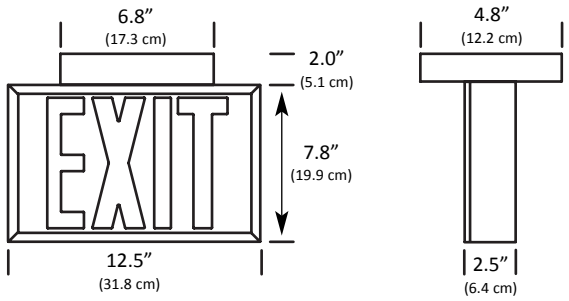
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

X	L					
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	HOUSING/STENCIL FACE COLOR	OPTIONS[1]
X = Excel Series Die-Formed Steel Exit	L = LED	N = Nickel Cadmium A = AC Only	1 = Single 2 = Double	R = Red G = Green	W = White Stencil Face and Housing B = Black Stencil Face and Housing	2CKT1 = 120 VAC Two Circuit[2] 2CKT2 = 277 VAC Two Circuit[2] AD = AccuTest Self-Diagnostics BF = Buzzer/Flasher (emergency operation only)[2] BZ = Buzzer (emergency operation only)[2] EX = Special Input Transformer (specify voltage & frequency) FA = 24 VDC Fire Alarm Interface[2] FL = Emergency Flasher[2] SW = Special Wording (consult factory) Z = UL Damp Location Listing (AC only)

ACCESSORIES
(Order As A Separate Line Item)
XCKITW = Canopy Kit, White
XDCKIT6 = DC Conversion Kit, 6 VDC, 5.4W Lamps
XDCKIT12 = DC Conversion Kit, 12 VDC, 5.5W Lamps
XPKITW = Excel Series Exit Pendent Kit, 12”, White Finish
WG = Wire Guard for Combination LED Exit/Emergency
WG4 = Wire Guard for Exit Wall Mounting
WG10 = Wire Guard for Exit End Mounting

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Not available with AD option.

Excel Series

heavy-duty combination exit sign
with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Emergency operation version includes low voltage disconnect, AC lockout, and brownout protection features
Maintenance-free, sealed lead calcium battery
Constructed of three-piece, 20 gauge, cold-rolled steel, includes NFPA-compliant, field-selectable chevrons
White or black powder coat finish
Emergency illumination is accomplished with two 6 VDC, 5.4 watt, side mounted lamp heads which are fully adjustable
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Optional self-diagnostics
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements:
Red = 0.090 A (120 VAC), 0.039 A (277 VAC); Green = 0.090 A (120 VAC), 0.039 A (277 VAC)

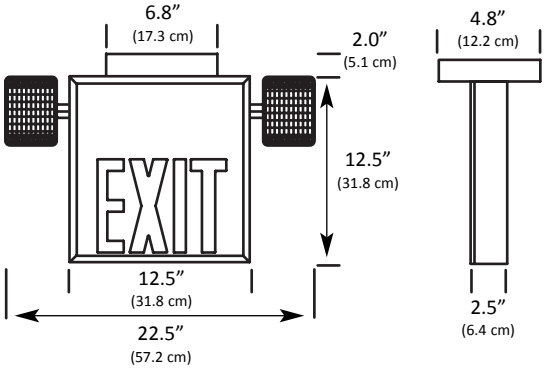
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

X	L							
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	HOUSING/STENCIL FACE COLOR	LAMP HEADS*	OPTIONS[1]
X = Excel Series Die-Formed Steel Exit	L = LED	12L = Sealed Lead Calcium, 12W Capacity 30L = Sealed Lead Calcium, 30W Capacity	1 = Single 2 = Double	R = Red G = Green	W = White Stencil Face and Housing B = Black Stencil Face and Housing	N = No Heads 1H = One Head 2H = Two Heads *Standard lamp head is 6 VDC, 5.4W (J66) head. Consult factory for alternate lamp heads.	2CKT1 = 120 VAC Two Circuit[2] 2CKT2 = 277 VAC Two Circuit[2] AD = Accu-Test Self-Diagnostics[3] BF = Buzzer/Flasher (emergency operation only)[2] BZ = DC Buzzer (emergency operation only)[2] EX = Special Input Transformer (specify voltage & frequency) FA = 24 VDC Fire Alarm Interface[2] FL = Emergency Flasher[2] SW = Special Wording/Graphics (consult factory)

ACCESSORIES
(Order As A Separate Line Item)
XCKITW = Canopy Kit, White
XPKITW = Excel Series Exit Pendant Kit, 12", White Finish
WG = Wire Guard for Combination LED Exit/Emergency

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Not available with AD option.
3) Not able to wall mount with AD option.

Infinity II Series

recessed vandal resistant exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Maintenance-free, sealed nickel metal hydride battery (battery option)
White or black powder coated cast aluminum housing with polycarbonate vandal-resistant lens
20 gauge steel back plate mounts directly to the wall surface via keyhole slots
Tamperproof hardware and bit are supplied with each model
All electronics are contained within the housing eliminating the need to recess components into the wall
Standard Intelli-Charge self-diagnostics, self-testing is optional on self-powered emergency models (see page 76 for Intelli-Charge features)
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, certified to the California Energy Commission in accordance with California law
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only Red: 0.035 A (120 VAC), PF = 0.95
0.015 A (277 VAC), PF = 0.95
AC Only Green: 0.034 A (120 VAC), PF = 0.97
0.015 A (277 VAC), PF = 0.97

Self-Powered Red: 0.040 A (120 VAC), PF = 0.90
0.018 A (277 VAC), PF = 0.90
Self-Powered Green: 0.042 A (120 VAC), PF = 0.90
0.018 A (277 VAC), PF = 0.90

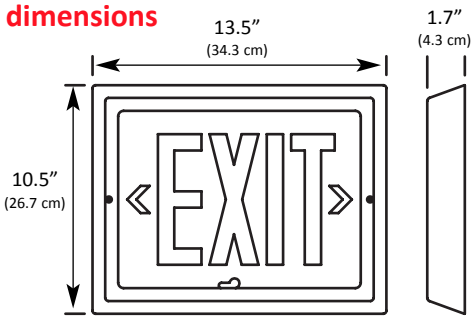
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES/BATTERY	FRAME COLOR	STENCIL/LETTER COLOR	MODEL DES.	OPTIONS[1]
LAC = AC Only LSPN = Self-Powered NiCad Battery	B = Black W = White	R = Brushed Aluminum w/ Red Letters G = 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	IC = Intelli-Charge Diagnostics	2CKT1 = 120 VAC Two Circuit (AC only models) 2CKT2 = 277 VAC Two Circuit (AC only models) BF = Buzzer/Flasher (self-powered models only) BZ = Buzzer (self-powered models only) DC = 12-48 VDC Input (AC only models) EX = Special Input Transformer[1] (specify voltage & frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher (self-powered models only) T = Self-Testing Diagnostics (non-audible, self-powered models only) TA = Audible Self-Testing Diagnostics (self-powered models only)

ACCESSORIES
(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
T15TPTOOL = Tamperproof Screwdriver

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.

Tuff-Act

wet/damp location and harsh environment
LED exit sign

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Die-cast aluminum housing with premium, impact-resistant, injection molded, polycarbonate covers
Stamped stencil face with field-selectable chevrons, standard vandal resistant/anti-corrosion coated hardware
Maintenance-free, sealed nickel cadmium battery (battery option)
Standard Intelli-Charge diagnostics with advanced self-testing diagnostics (see page 76 for Intelli-Charge features)
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, UL listed for wet/damp locations standard, NEMA Premium certified
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, meets ADA specifications for wall mounted lighting fixtures
Certified to the California Energy Commission in accordance with California Law

electrical specifications

AC Only Red = 3.8 watts (120 VAC), PF = 0.96
3.8 watts (277 VAC), PF = 0.91
AC Only Green = 4.0 watts (120 VAC), PF = 0.95
4.0 watts (277 VAC), PF = 0.90

Self-Powered Red = 4.7 watts (120 VAC), PF = 0.95
4.8 watts (277 VAC), PF = 0.97
Self-Powered Green = 4.7 watts (120 VAC), PF = 0.95
4.7 watts (277 VAC), PF = 0.99

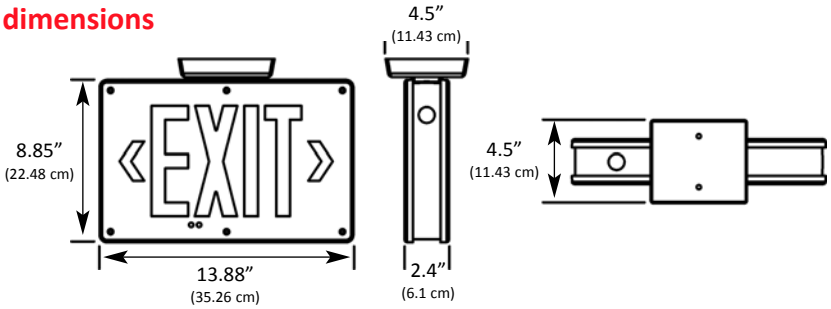
operating temperature range

Wet/Damp Location: -40°F (-40°C) to 113°F (45°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

T	L					ICT	
SERIES	LAMP	BATTERY	FACE OPTIONS	LETTER COLOR	STENCIL FACE/HOUSING COLOR	MODEL DESIGNATOR	OPTIONS
T = Tuff Act Wet Location Exit	L = LED	N = Nickel Cadmium A = AC Only	1 = Single U = Universal Single/Double Face	R = Red G = Green	W = White Stencil & Housing B = Black Stencil & Housing G = Gray Stencil & Housing WA = White Housing & Brushed Aluminum Stencil BA = Black Housing & Brushed Aluminum Stencil GA = Gray Housing & Brushed Aluminum Stencil	ICT = Intelli-Charge Self-Testing Diagnostic Electronics	A = Audible Diagnostics BF = Buzzer/Flasher (self-powered units only) BZ = DC Buzzer DC = 12-48 VDC Input (AC only models) EX = Special Input Transformer (consult factory)[1] FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher (self-powered units only) PM = Pendant Mount Only (must order pendant kit accessory)[2] SW = Special Wording (consult factory) 2CKT1 = 120 VAC Two Circuit (AC only models) 2CKT2 = 277 VAC Two Circuit (AC only models)

ACCESSORIES
(Order As A Separate Line Item)
ICIR = Intelli-Charge Infra-Red Remote
T15TPTOOL = Tamperproof Tool
TPKITB = Pendant Kit, 12” Stem, Black
TPKITW = Pendant Kit, 12” Stem, White

NOTE:
1) Some options may impact UL listing. Consult factory for specifics.
2) Must specify “PM” option for compatibility with pendant kit.

Self-Luminous Series

tritium exit sign that operates without external power

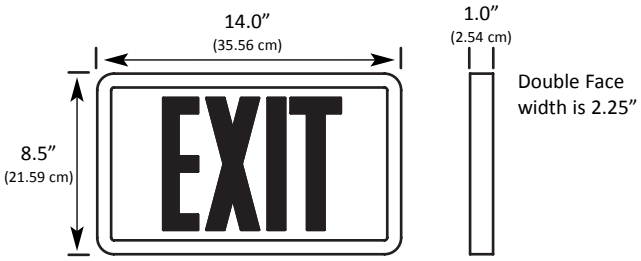
features

No external power source required, no maintenance costs
Illumination is accomplished with borosillicate glass sealed tubes internally coated with zinc sulfide phosphor and filled with tritium gas
Illumination level will exceed the .15 foot Lambert minimum for the entire service life
Lifetime of 10, 15 or 20 years
Attractive ABS flame retardant housing comes standard with a gray frame (black or white frames are optional)
Optional aluminum frame available
Solves unique installation problems quickly and reliably
UL 924 listed
NFPA 101, NEC (Article 500, Class I & II conditions), BOCA, OSHA and IBC illumination standards
State of California, City of Los Angeles compliance
USNRC, meets ICBO and SBCCI requirements

warranty

Choice of 10, 15 or 20 years

dimensions



ordering information

C3		U			
SERIES	FACE COLOR	ARROW	USEFUL LIFE	# OF FACES	OPTIONS
C3 = Tritium Exit	R = Red G = Green B = Black	U = Universal	10 = 10 Years 15 = 15 Years 20 = 20 Years	S = Single D = Double	AF = Anodized, Brushed Aluminum Frame BK = Black Plastic Frame IF1 = Black Anodized Aluminum Vandal Resistant Frame[1] IF5 = Brushed Aluminum Vandal Resistant Frame[1] PW = Polycarbonate Lens WH = White Plastic Frame RM = Recessed Mount

ACCESSORIES
(Order As A Separate Line Item)
PKITTRB = 12" Pendant Kit, Black
PKITTRG = 12" Pendant Kit, Gray
PKITTRW = 12" Pendant Kit, White
PCS1 = Polycarbonate Vandal Shield

NOTE: 1) Available on single face exits only.

NEMA Series

harsh environment exit and exit combination
NEMA 3, 3r, 4, 4x, 12 and 13 classifications

features

120/277 VAC, 60 Hz dual voltage input
AC only, AC/DC, and self-powered operation
Maintenance-free, sealed lead calcium or nickel cadmium battery (battery option)
Watertight enclosure constructed of fiberglass-reinforced polyester with a clear polycarbonate cover
Two head combination exit/emergency unit features fully adjustable 6 volt, 6 watt, Par 36 halogen sealed beam lamp heads that are enclosed in watertight polycarbonate housings
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, UL damp and wet location listing optional
NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
NSF standard Class 2 “Splash Zone” listed

electrical specifications

Exit Only = 0.08 A (120 VAC), 0.04 A (277 VAC); Exit Combination = 0.161 A (120 VAC), 0.07 A (277 VAC)

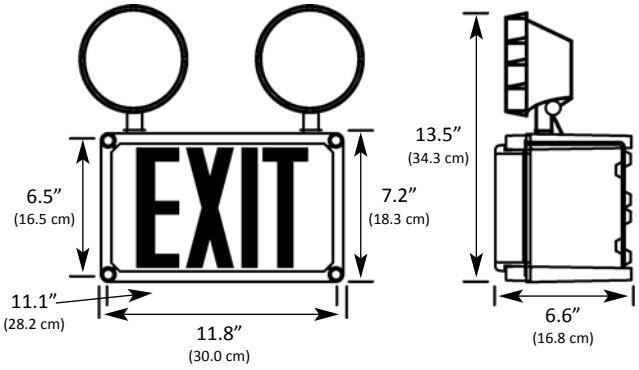
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Wet/Damp Location: -22°F (-30°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

	L			
SERIES/POWER	LAMP TYPE	# OF FACES	STENCIL FACE/LETTER COLOR	OPTIONS[1]
NAC = AC Only NSP = Self-Powered, Nickel Cadmium N2H = Two Head Combination, Lead Calcium	L = LED	S = Single Blank = Two Head Combo	R = Red LEDs G = Green LEDs	EX = Special Input Transformer[1] (specify voltage & frequency) F = 24 VDC Fire Alarm Interface S = Shatter Resistant Lamp Head Lens TP = Tamperproof Lockup[2] W = Wet Location Listing Z = Damp Location Listing

ACCESSORIES
(Order As A Separate Line Item)
EMF = External Mounting Feet

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Includes tamperproof hardware and bit.

Compact Fluorescent Ballasts

converts standard fluorescent luminaires into emergency luminaires

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery
Constant current battery charging system
Charging system complete with AC indicator lamp, test switch and mounting plate hardware
Constructed of 20 gauge steel with a powder coat finish
Slim housing allows for wireway channel mounting on most lighting fixtures

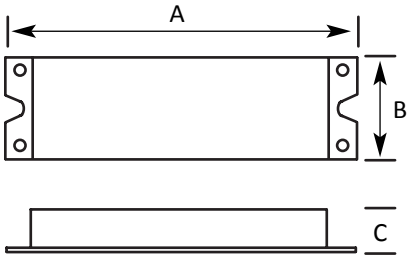
operating temperature range

Standard Location: 32°F (0°C) to 131°F (55°C), Cold Weather: 5°F (-15°C) to 131°F (55°C)
Standard Damp Location: 32°F (0°C) to 122°F (50°C) (CFPPL-N, CFPPL26-N)

warranty

Electronics - one year full, Battery - one year full (CFPPL-N, CFPPL26-N)
Electronics - two years full, Battery - two years full (CF750-4PT, CF1000-4PT, CF1000-4PST and CF1400-4PT)

dimensions



	CFPPL-N	CFPPL26-N	CF750-4PT	CF1000-4PT	CF1000-4PST	CF1400-4PT
A	9.4”	9.4”	9.4”	13.3”	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”

factory installed options

EX = Special Input Transformer (specify voltage & frequency) (CF1000-4PST only)
CW = Cold Weather Rating (CF750-4PT, CF1000-4PT and CF1400-4PT only)
DL = Damp Location (CF750-4PT, CF1000-4PT and CF1400-4PT only)

Accessories (ordered separately)
CCAPS = Wire Cover Kit for External Mounting (CF1000-4PST only)
RTS = Remote Test Plate (CF750-4PT, CF1000-4PT and CF1000-4PST only)
RTS2 = Remote Test Switch & Pilot Light Kit (includes plate) (CF750-4PT, CF1000-4PT and CF1000-4PST only)

	LAMP TYPE / MAXIMUM INITIAL LUMENS						OPTIONAL (DL)* DAMP LOCATION LISTING	SUITABLE FOR USE IN SEALED & GASKETED LUMINAIRES
	2 PIN, 5-13W	2 PIN, 10-26W	4 PIN, 13-42W	4 PIN, 13-50W	4 PIN, 42W/57W	LONG COMPACT 18-55W		
CFPPL-N	● 625						✓ (standard)	
CFPPL26-N		● 650					✓ (standard)	
CF750-4PT			●/●● 750				✓	✓
CF1000-4PT			●/●● 1000			●/●● 1000	✓	✓
CF1000-4PST				●/●● 1000				
CF1400-4PT					● 1100/1400	●/●● 1100	✓	✓

*Add ‘DL’ to end of part number.

Linear Fluorescent Ballasts

converts standard fluorescent luminaires into emergency luminaires

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery
Constant current battery charging system
Constructed of 20 gauge steel with a powder coat finish
Slim housing allows for wireway channel mounting on most lighting fixtures

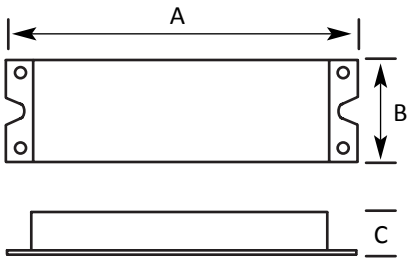
operating temperature range

Standard/Damp Location: 32°F (0°C) to 131°F (55°C)

warranty

Electronics - five years full, Battery - five years full (C1400, C1400DL, C1400T, C1400TDL, C3000T, C3000TDL, C3000ST, C3400-3)
Electronics - three years full, Battery - three years full (C700, C700DL, C700A, C700ADL)
Electronics - one year full, Battery - one year full (C450, C600, C600DL)

dimensions



	C450	C600(DL)	C700A(DL)	C700(DL)	C1400(DL)	C1400T(DL)	C3000T(DL)	C3000ST	C3400-3
A	9.4”	9.4”	9.4”	9.4”	13.25”	13.3”	16.3”	16.3”	16.3”
B	2.4”	2.4”	2.4”	2.4”	2.5”	2.4”	5.5”	5.5”	5.5”
C	1.5”	1.5”	1.5”	1.5”	1.5”	1.5”	1.7”	1.7”	1.7”

factory installed options

EX = Special Input Transformer (specify voltage & frequency) (not available on the C1400T)
CW = Cold Weather Rating (C1400T only)

Accessories (ordered separately)
CCAPS = Wire Cover Kit for Ext. Mounting (C450, C600, C700A, C700, C1400, C1400T)
RTS = Remote Test Plate
RTS2 = Remote Test Switch & Pilot Light Kit (includes plate)

	LAMP TYPE / MAXIMUM INITIAL LUMENS						OPTIONAL (DL)* DAMP LOCATION LISTING	SUITABLE FOR USE IN SEALED AND GASKETED LUMINAIRES
	T8, 17-40W	T8, 59-86W	T12, 40-215W	T5, 28W/54W	COMPACT 18-42W	LONG COMPACT 18-39W (1 OR 2 LAMPS), 40-55W (1 LAMP)		
C450	• 450		• 450[1]			• 450		✓
C600	• 600		• 600[1]			• 600	✓	✓
C700A	• 700[2]	• 700	• 700			• 700	✓	✓
C700	•/•• 700	• 700	•/•• 700			•/•• 700	✓	✓
C1400	•/••• 1350	• 1400	•/••• 1100		•/••• 1100	• 900	✓	✓
C1400T				• 800/1100			✓	✓
C3000T C3000ST	•/••• 3000	• 3000	• 3300		•/••• 3200	•/••• 3500	✓ C3000T	
C3400-3	••/•••• 3400				•• 3200	•• 3200		

Note: 1) 2’-4’ lamps only. 2) Supports (1) 17-32W T8 lamp for 120 minutes.

*Add ‘DL’ to end of part number.

Low-Profile Fluorescent Ballasts

converts standard fluorescent luminaires into emergency luminaires

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery
Constant current battery charging system
Constructed of 22 gauge steel with a powder coat finish
Low-profile housing allows mounting on most low-profile lighting fixtures with AC ballast
Listed suitable for use in sealed and gasketed luminaires

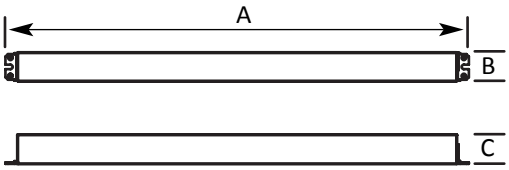
operating temperature range

Standard/Damp Location: 32°F (0°C) to 122°F (50°C)

warranty

Electronics - one year full, Battery - one year full

dimensions



	CTP500T	CTP520T	CTP700	CTP1300T
A	16.7″	18.5″	18.5″	21.5″
B	1.7″	1.18″	1.17″	1.18″
C	1.18″	1.0″	1.18″	1.18″

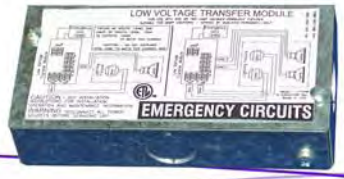
factory installed options

EX = Special Input Transformer (specify voltage & frequency) (CTP700 only)
DL = Damp Location (CTP700 only)

LAMP TYPE / MAXIMUM INITIAL LUMENS				
	T8/T12	T8/HO	LONG COMPACT, 4-PIN	T5, LINEAR
CTP500T	• 500 (17-40W)		• 500 (30-42W)	
CTP520T				• 520 (21W or 28W)
CTP700	• 650 (17-40W)	• 650 (17-55W)	• 650 (18-55W)	• 650 T5 (28W) • T5/HO (54W)
CTP1300T		• 1300 T8 (17-55W) • 1300 T8/HO (17-55W)	• 1300 (36-55W)	• 1300 T5 (14-54W) • 1300 T5/HO (14-54W)

LVTC

transfer circuit for use with
low-voltage down-lighting



features

Two channel device providing switching for up to 75 watts per channel
Combines existing low-voltage lighting with a 12 volt emergency unit power pack, such as Chloride's CPM (sold separately)
Transfer function occurs independent of wall switch position
During utility power failure, LVTC allows the 12 volt emergency power unit to supply power directly to the lamps of the low voltage lighting fixture
Housing and cover are constructed of 20 gauge galvanized steel
Listed for insulated ceiling systems (IC rated)
Damp location listed
ETL listed to UL 924 standards

electrical specifications

Input: 12 VAC, 0.72 watts
Output: 12 VDC, 2 channels at 75 watts maximum each

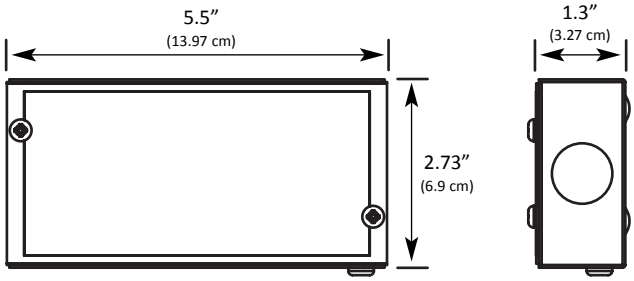
operating temperature range

Damp Location: 32°F (0°C) to 122°F (50°C)

warranty

Three years full

dimensions



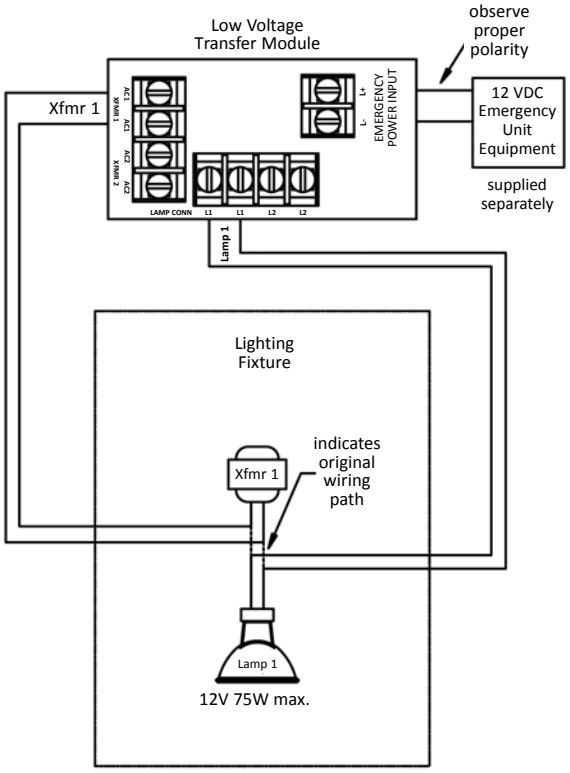
ordering information

LVTC

SERIES

LVTC = Low Voltage Transfer Circuit

Typical Single Lamp Wiring Diagram



APTC

fluorescent lighting transfer circuit that is generator or inverter compatible

features

120/277 VAC, 60 Hz dual voltage input with all inputs fused to 3 amps
Transfers generator or AC systems power to AC fluorescent lighting ballasts in the event of a utility power failure
Transfer function occurs independent of wall switch position
One APTC device is required per lighting fixture
Suitable for use in sealed and gasketed luminaires
Housing and cover constructed of 24 gauge galvanized steel
Low-profile housing allows mounting on most low profile fluorescent fixtures with low-profile AC ballasts
Wire end caps provided
UL 924 listed, UL damp location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120/277 VAC = 0.27 mA, 1.48 watts

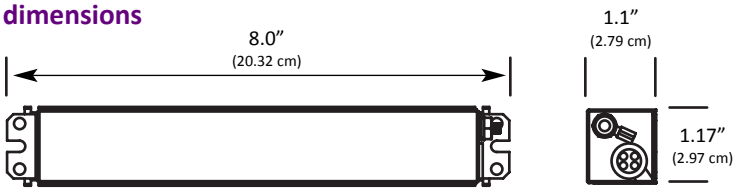
operating temperature range

Damp Location: 32°F (0°C) to 131°F (55°C)

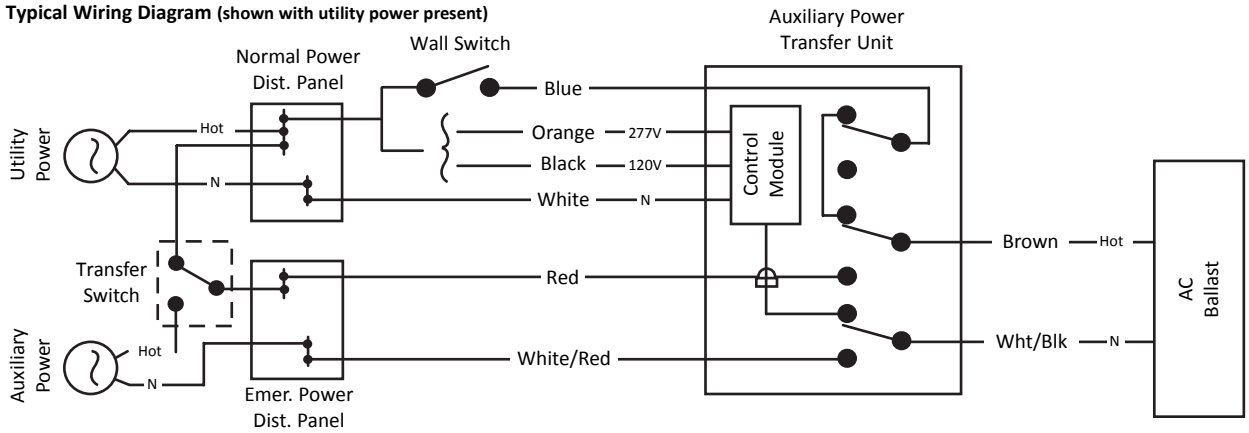
warranty

Five years full

dimensions



Typical Wiring Diagram (shown with utility power present)



ordering information

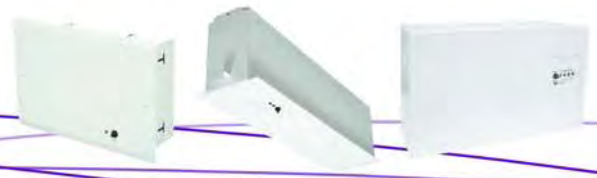
APTC

SERIES

APTC = Auxiliary Power Transfer Circuit

Synthesis Zone Inverter

100 or 250 watt interruptible power supply
for emergency lighting applications



features

120 or 277 VAC, 60 Hz dual voltage input and output
Maintenance-free, sealed lead calcium batteries, minimum 90 minutes of emergency operation, 91% nominal lumen output from luminaire
Square wave output, completely solid-state inverter, low-voltage disconnect, brownout protection is 75% of nominal line voltage, DC overload and short circuit protection
Normally on and/or normally off loads, variable rate, fully automatic, temperature compensated charger
Operates incandescent and fluorescent lighting loads and is compatible with dimming ballasts
NEMA 1 enclosure, heavy duty steel cabinet with with multiple conduit entries
Surface, recess and ceiling grid mounting options
UL 924 listed, meets NFPA 101, NEC, BOCA, OSHA and state and local codes, optional self-diagnostics

electrical specifications

Input Power Requirements:
100 Watt Models: 120 VAC = 0.198 A, 277 VAC = 0.080 A
250 Watt Models: 120 VAC = 0.570 A, 277 VAC = 0.268 A

operating temperature range

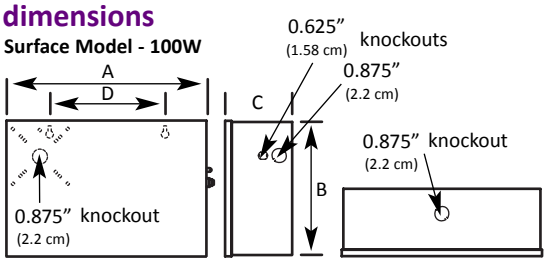
68°F (20°C) to 86°F (30°C)

warranty

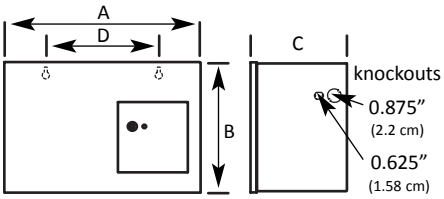
Electronics - three years; Battery - one year full, four years pro-rata

dimensions

Surface Model - 100W

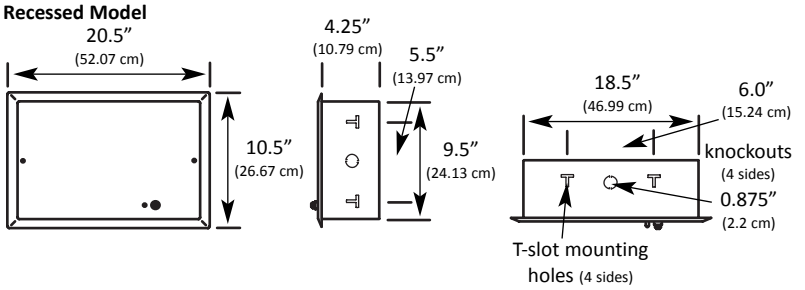


Surface Model - 250W

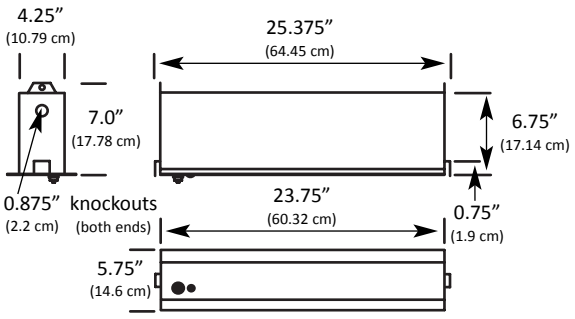


Model	100W	250W
A	18.625"	18.625"
B	9.625"	10.125"
C	4.375"	8.25"
D	14.5"	13.0"

Recessed Model



Ceiling Model



ordering information

ZI			
SERIES	OUTPUT WATTAGE	MOUNTING CONFIGURATION	OPTIONS
ZI = Synthesis Zone Inverter	100 = 100 Watts 250 = 250 Watts*	T = Ceiling Installation S = Surface Wall Mount R = Recessed Wall Mount	AD = Self-Diagnostics TD1= 120V 15 Minute Time Delay TD2= 277V 15 Minute Time Delay SP = Special Paint (consult factory)

ACCESSORIES
(Order As A Separate Line Item)
ZIRT = Remote Test Switch

*Available in surface mount only.

Synthesis Zone Inverter

300 to 600 watt fast transfer power supply
for emergency lighting applications

features

120 or 277 VAC, 60 Hz dual voltage input and output
Maintenance-free, sealed lead calcium batteries, minimum 90 minutes of emergency operation, pulse width modulated design (PWM), 98% throughput efficiency
Input circuit breaker, solid state PWM inverter with sine wave output, output fusing standard, circuit breakers optional
Low-voltage disconnect, fully automatic, temperature compensated charger
Operates incandescent, electronic ballast loads and HID lighting loads as well as critical loads requiring conditioned emergency power
NEMA 1 enclosure, acid-resistant powder coat finish with multiple conduit entries
UL 924 listed, meets NFPA 101, NEC, BOCA, OSHA and state and local codes

operating temperature range

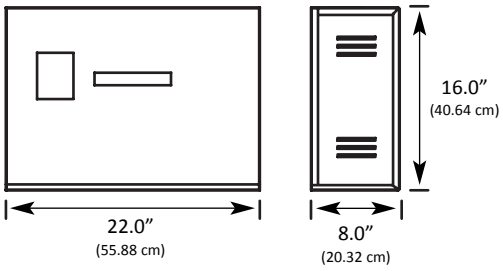
68°F (20°C) to 85°F (30°C)

warranty

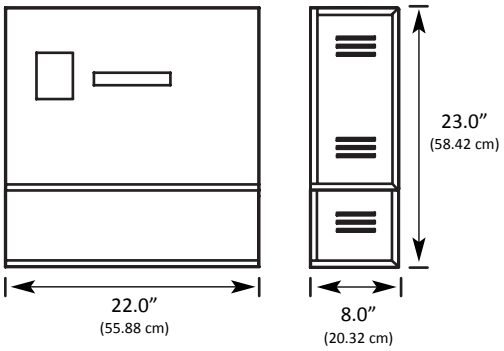
Electronics - three years; Battery - one year full, nine years pro-rata

dimensions

300, 400W



600W



ordering information

ZI					
SERIES	**OUTPUT WATTAGE**	**VOLTAGE CONFIGURATION**	**FACTORY INSTALLED OPTIONAL CIRCUIT BREAKER**		
			OUTPUT CIRCUIT BREAKERS	**OUTPUT CIRCUIT BREAKER VOLTAGE***	**OUTPUT CIRCUIT BREAKER RATING**
ZI = Synthesis Zone Inverter	300 = 330 VA / 300 Watts 400 = 660 VA / 400 Watts 600 = 660 VA / 600 Watts	120 = 120V 277 = 277V	1 = OCB1 2 = OCB2	A = 120 VAC R = 277 VAC	10 = 10 Amps 15 = 15 Amps 20 = 20 Amps

* Output circuit breaker voltage must match the system input voltage.

PathMaster Power Supply

power system for low voltage normal and emergency power support

features

Provides continuous normal and emergency power to support 12 VAC/VDC PathMaster luminaires
Maintenance-free, sealed lead calcium battery
Electronics consists of three sections to include a fully automatic battery charging system, output transformer and a power failure sensing control circuit that automatically routes battery power to PathMaster luminaires in the event of a power failure
Constructed of 18 gauge die-formed steel and has an easily removable front cover
Top and side knockouts conveniently located to route output circuits or to hardwire the input power
Designed for wall mounting and is provided with keyhole openings on the back
Provided with two pre-wired, three foot cord and plug
ETL listed to UL 924 standards

electrical specifications

Input: 120 VAC, 60 Hz, 1.9 A
Output: 12 VAC, 60 Hz, 150 VA/150 W
Emergency Output: 12 VDC, 150 W via two 75 W circuits

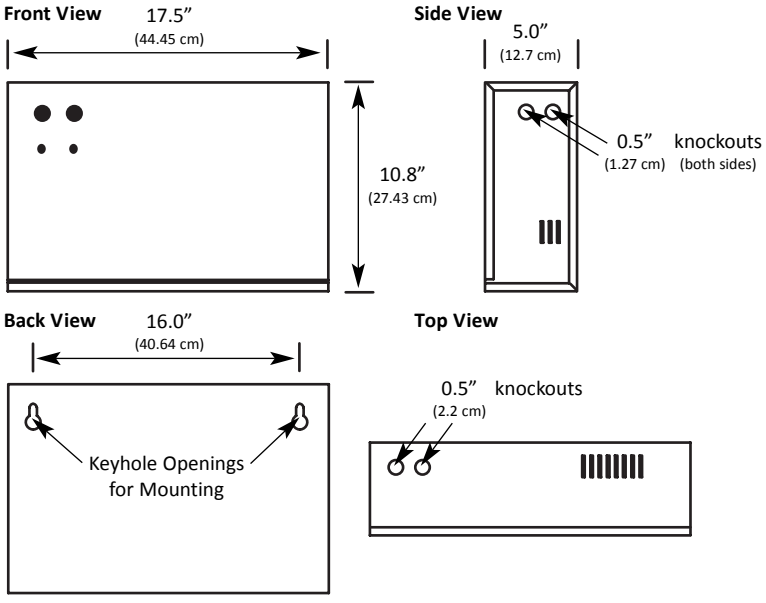
operating temperature range

65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years; Battery - one year full, three years pro-rata

dimensions



ordering information

PMPS1

SERIES

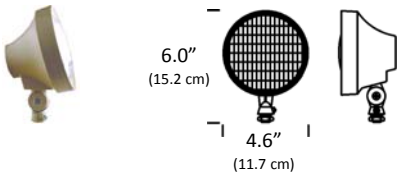
PMPS1= PathMaster Power System

Remote Lamp Heads

metal chrome, thermoplastic halogen and tungsten lamp heads
6 volt or 12 volt operation

Thermoplastic Round

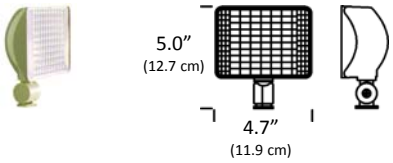
Thermoplastic Round T5 Wedge Base and Bi-Pin



	VOLTAGE	WATTAGE	CATALOG # TAN	WHITE	BLACK	REPLACEMENT LAMP # CHLORIDE #	ANSI #
TUNGSTEN	6 VOLT	5.4	DTA	WTA	BTA	19-2-54	939
		7.2	DTD	WTD	BTD	19-2-58	927
		9.0	DTB	WTB	BTB	19-2-45	908
	12 VOLT	9.0	DTC	WTC	BTC	19-2-53	915
		12.5	DTE	WTE	BTE	19-2-62	922
		17.9	DTF	WTF	BTF	19-2-61	921
HALOGEN	6 VOLT	7.0	DTS	WTS	BTS	19-2-82	
		9.0	DTN	WTN	BTN	19-2-83	
		12.0	DTT	WTT	BTT	19-2-84	
	12 VOLT	12.0	DTV	WTV	BTV	19-2-85	

Thermoplastic Rectangular

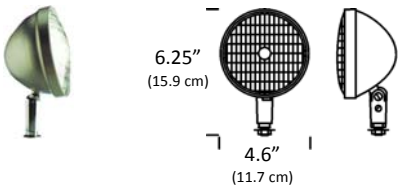
Thermoplastic Rectangular T5 Wedge Base

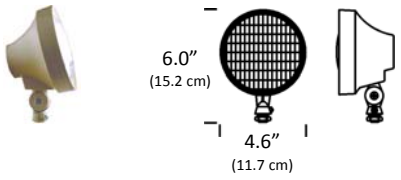


	VOLTAGE	WATTAGE	CATALOG # WHITE	BLACK	REPLACEMENT LAMP # CHLORIDE #	ANSI #
TUNGSTEN	6 VOLT	5.4	J66	J66B	19-2-54	939
		7.2	J76	J76B	19-2-58	927
		9.0	J96	J96B	19-2-45	908
	12 VOLT	9.0	J912	J912B	19-2-53	915
		12.5	J1212	J1212B	19-2-62	922
		18.0	J1812	J1812B	19-2-61	921

Metal Chrome & Thermoplastic

Metal Chrome & Thermoplastic Round Sealed Beam - Par 36

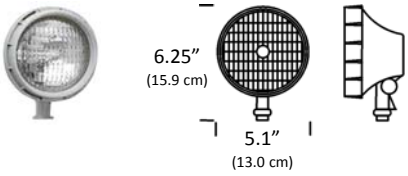




	VOLTAGE	WATTAGE	METAL CHROME	THERMOPLASTIC TAN	WHITE	BLACK	REPLACEMENT LAMP # CHLORIDE #	ANSI #
TUNGSTEN	6 VOLT	8.0	Y	DY	WY	BY	19-1-7613	7613
		18.0	A	DA	WA	BA	19-1-4014	4014
		25.0	L	DL	WL	BL	19-1-4510	4510
		30.0	C	DC	WC	BC	19-1-4515	4515
	12 VOLT	12.0	NY	DNY	WNY	BNY	19-1-4044	4044
		18.0	E	DE	WE	BE	19-1-4414	4414
		25.0	K	DK	WK	BK	19-1-4446	4446
		30.0	G	DG	WG	BG	19-1-4405	4405
	24 VOLT	50.0	HP				19-1-4593	4593
HALOGEN	6 VOLT	6.0	F	DF	WF	BF	19-1-7556	7556
		8.0	Q	DQ	WQ	BQ	19-1-7551	7551
		12.0	CHY	DCHY	WCHY	BCHY	19-1-7553	7553
	12 VOLT	8.0	D	DD	WD	BD	19-1-7555	7555
		12.0	B	DB	WB	BB	19-1-7557	7557
		30.0	M				19-1-H4405	
		50.0	N				19-1-H7604	7604
		50.0	NF				19-1-7614	7614

Heavy Industrial Sealed

Heavy Industrial Duty Sealed Beam - Par 36

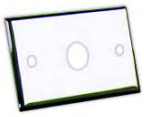
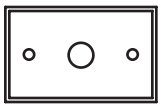
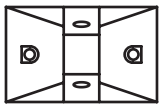
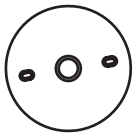
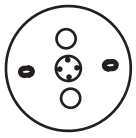
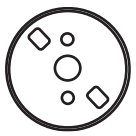


	VOLTAGE	WATTAGE	CLASS 1 DIV 2 GRAY*	NEMA RATED GRAY*	REPLACEMENT LAMP # CHLORIDE #	ANSI #
TUNGSTEN	6 VOLT	8.0	ZA	ZM	19-1-7613	7613
		18.0	ZB	ZN	19-1-4014	4014
		25.0	ZC	ZO	19-1-4510	4510
		30.0		ZP	19-1-4515	4515
	12 VOLT	12.0	ZE	ZQ	19-1-4044	4044
		18.0	ZF	ZR	19-1-4414	4414
		25.0	ZG	ZS	19-1-4446	4446
		30.0		ZT	19-1-4405	4405
HALOGEN	6 VOLT	6.0	ZY	ZZ	19-1-7556	7556
		8.0	ZI	ZU	19-1-7551	7551
		12.0	ZJ	ZV	19-1-7553	7553
	12 VOLT	8.0	ZK	ZW	19-1-7555	7555
		12.0	ZL	ZX	19-1-7557	7557
		50.0		Z5	19-1-H7604	7604
		50.0		Z5F	19-1-7614	7614

*To order shatter-resistant lamp heads, add the suffix “S” to the selected head type.

Mounting Plates

metal chrome, cast aluminum and thermoplastic mounting plates

		Thermoplastic Round Wedge Base/Bi-Pin	Thermoplastic Rectangular Wedge Base	Thermoplastic Round Sealed Beam Par 36	Chrome Plated Steel Sealed Beam Par 36	Heavy Industrial Sealed Beam Par 36
 	Chrome Single Head, Fits Single Gang Wall Box	MP1	MP1	MP1	MP1S	MP1
	Double Head, Fits Three Gang Wall Box	MP3	MP3	MP3	MP3S	MP3
 	Cast Aluminum, Weatherproof Single Head, Fits 3” or 4” Round Box	CRMP1	CRMP1	CRMP1	MP1WP	CRMP1
	Double Head, Fits 3” or 4” Round Box	CRMP2	CRMP2	CRMP2	MP2WP	CRMP2
 	Cast Aluminum, Weatherproof, Fits Single Gang Box					
	Single Head	CSMP1	CSMP1	CSMP1	MP1R	CSMP1
	Double Head	CSMP2	CSMP2	CSMP2	MP2	CSMP2
 	Thermoplastic 5” Diameter, Mounts Directly to Single Gang Wall Box					
	Single Head, Gray					MG1WP
	Single Head, White	MW1	MW1	MW1		
	Single Head, Black	MBLK1	MBLK1	MBLK1		
	Weatherproof Option	-WP	-WP	-WP		included*
 	Double Head, Gray					MG2WP
	Double Head, White	MW2	MW2	MW2		
	Double Head, Black	MBLK2	MBLK2	MBLK2		
	Weatherproof Option	-WP	-WP	-WP		included*
 	Same As Above with 45° Mounting Holes, Fits 3.5” Octagonal Box					
	Double Head, Gray					MG2SWP
	Double Head, White	MW2S	MW2S	MW2S		
	Weatherproof Option	-WP	-WP	-WP		included*

*Mounting plates include weatherproof gasket

Decorative Remote Lighting Fixtures

T Series - Recessed Square Light
Suitable for indoor or outdoor applications • Rectangular, aluminum construction with a watertight, gasketed door and matte white trim • Flush abolite diffuser

N Series - Recessed Step Light
Designed for step and walkway lighting • Low profile, rectangular design with a matte white finish

P Series - Recessed Round Light
Round recessed ceiling unit • Aluminum trim finished in matte white with steel backbox • Fresnel lens flush with ceiling

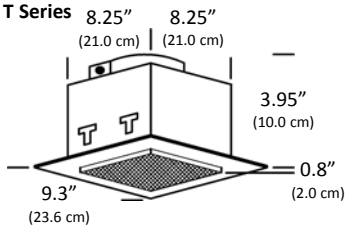
X Series - Recessed Miniature Eyeball
Miniature adjustable eyeball floodlight • Steel backbox with aluminum, matte white trim • Eyeball adjusts through arc of 32°

V Series - Step Light with Lens
Available in surface or recessed mounting • Steel enclosure with an opal glass lens • Single or double lamp operation

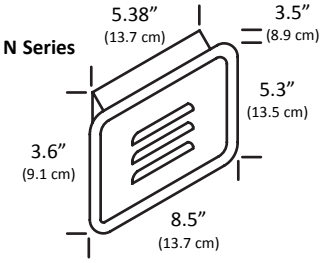
M Series - Round Par 36 Gimbal
Adjustable gimbal light fixture • Available only with Par 36 sealed beam lamps • Available in recessed mounting • Matte white trim ring, spun aluminum housing

dimensions

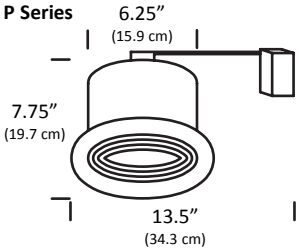
T Series



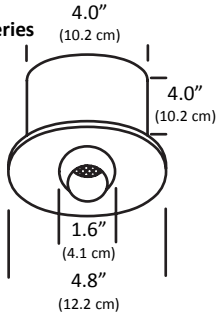
N Series



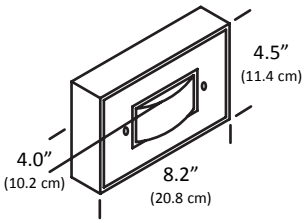
P Series



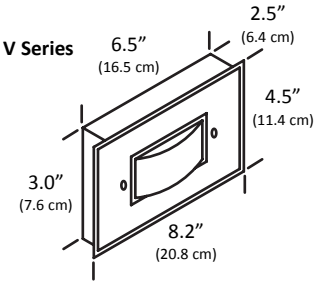
X Series



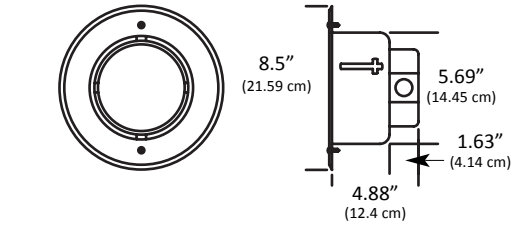
V Series



V Series



M Series



ordering information

T, N, P, X, N Series, Miniature DC Bayonet Base Lamps

SERIES	VOLTAGE	MOUNTING	WATTAGE	# OF LAMPS
T = T Series N = N Series P = P Series X = X Series V = V Series	6 = 6 Volt 12 = 12 Volt	**(V Series Only)** R = Recessed S = Surface	6 Volt 6 = 6 Watt 12 = 12 Watt 18 = 18 Watt 28 = 28 Watt 12 Volt 6 = 6 Watt 13 = 13 Watt 18 = 18 Watt	**(V Series Only)** 1 = One 2 = Two

M Series, Par 36 Sealed Beam Lamps

M		R
SERIES	WATTAGE	MOUNTING
M = M Series	6 Volt, Tungsten Y = 9 Watt A = 18 Watt L = 25 Watt C = 30 Watt 6 Volt, Halogen Q = 8 Watt CHY = 12 Watt 12 Volt, Tungsten NY = 12 Watt E = 18 Watt K = 25 Watt G = 30 Watt 12 Volt, Halogen D = 8 Watt	R = Recessed

Accessories

wire guards, vandal shield and mounting shelves for emergency lighting units and exit signs

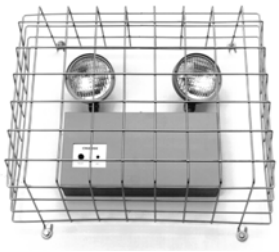
features

Wire guards and the polycarbonate vandal shield provide protection from accidental or intentional abuse of emergency lighting equipment
Ideal for high traffic areas such as schools, gymnasiums and public buildings
Wire guards are made from 12 gauge steel wire, joint-welded for strength
Vandal shield is constructed of a vacuum formed polycarbonate
Mounting shelves have an epoxy powder coat finish

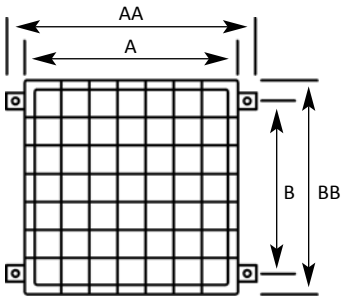
Wire Guards & Vandal Shield

CAT #	FOR USE WITH:	A	AA	B	BB	C
WG	TMF/TNM Series (200-450W), ZMF Series (300 & 450W), Max-Lite Series, Steel-Lite Series, Excel Series - Combination	20.0" (50.8 cm)	26.0" (66.0 cm)	20.0" (50.8 cm)	26.0" (66.0 cm)	11.0" (27.9 cm)
WG3	SPU Series	10.0" (25.4 cm)	12.0" (30.5 cm)	10.0" (25.4 cm)	12.0" (30.5 cm)	5.5" (14.0 cm)
WG4	Wall Mount Thermoplastic, Die Cast, Steel & Tritium Standard Exits, SPU Series (fully recessed)	12.5" (31.8 cm)	14.5" (36.8 cm)	15.0" (38.1 cm)	17.0" (43.2 cm)	5.5" (14.0 cm)
WG5	4X Series, 6MF/12MF Series, CMF/CNM Series (25-100W), HZ Series, Steel-Lite Series, Symmetry Series (units), Symmetry Series Combination, TMF/TNM Series (25-150W), ZMF Series (100W)	16.0" (40.6 cm)	18.0" (45.7 cm)	21.0" (53.3 cm)	23.0" (58.4 cm)	10.0" (25.4 cm)
WG8	CR6/CR12 Series, Top and Back Mount NEMA Standard Exits	12.0" (30.5 cm)	14.0" (35.6 cm)	12.0" (30.5 cm)	14.0" (35.6 cm)	13.0" (33.0 cm)
WG10	Tuff-Act, CX Series, Excel Series and Tritium Series Exits	8.8" (22.4 cm)	N/A	N/A	15.0" 38.1 cm)	15.0" (38.1 cm)
PCS1	All Standard Exits, 4X Series, 6MF/12MF Series, CR6/CR12 Series	19.4" (W) X 12.3" (H) X 9.0" (D) Outside 19.2" (W) X 12.1" (H) X 8.9" (D) Inside				

Wire Guards



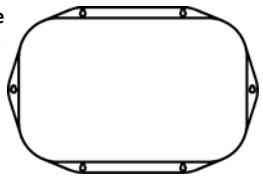
See Above Chart



C = Depth

PCS1

See Above Chart



Mounting Shelves

CAT #	FOR USE WITH:	LENGTH	HEIGHT	WIDTH
SSMP	CMF/CNM Series (25-50W), TMF/TNM Series (25-50W)	13.0" (33.02 cm)	8.0" (20.32 cm)	2.75" (6.98 cm)
SMMP	CMF/CNM Series (75-100W), TMF/TNM Series (75-150W), ZMF Series (100W)	15.25" (38.73 cm)	9.0" (22.86 cm)	6.0" (15.24 cm)
SLMP	TMF/TNM Series (200-450W), ZMF Series (300W, 450W)	19.0" (48.26 cm)	11.0" (27.94 cm)	7.5" (19.05 cm)
MSSHELFW	6MF/12MF Series	14.6" (37.1 cm)	5.5" (14.0 cm)	5.3" (13.5 cm)

Intelli-Charge Electronics for Unit Equipment and Exit Signs

features

The Intelli-Charge is designed around an 8-bit microprocessor to provide unmatched reliability and performance. Microprocessor controlled standard features include:

8-bit microprocessor (µp)
AC lockout mode, AC power indicator
Charge status indicator
Transformer-isolated input
Audible user interface controls
On-board IR receiver
Optional hand-held IR remote (ICIR)

Charger

The on-board thermal detection feature of the Intelli-Charge 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
µp controlled, linear, temperature compensation
Reverse battery polarity detection and protection
Reverse utility power detection and protection

Transfer

µp controlled, solid state
Low-voltage battery disconnect (LVD)
Brownout detection circuit
Optional time delay (15-minute*) for unit equipment
Two available LED output circuits for exit signs
AC line latch

*For compliance to Article 700 of the NEC.

Diagnostics

The Intelli-Charge diagnostics monitoring circuit is continuous and in real time. The benefits of real time monitoring allows the microprocessor to self-heal fault conditions when remedied, excluding lamp failure on unit equipment (lamp failure is considered most critical and requires a transfer test to clear the fault after re-lamping). In doing so, there is no need to reset the system after maintenance.

Audible and non-audible versions available
Silence alarm button on audible versions
Visual LED fault display
Battery failure, battery disconnect
Charger failure
Lamp/LED failure
Transfer failure

Optional Self-Testing* (standard on select models)

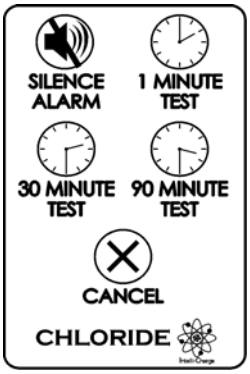
The Intelli-Charge diagnostic/charging platform with optional self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate 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).

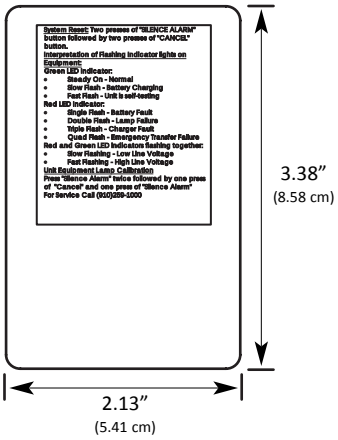
Available Accessory Item

Hand-Held IR Interface
Indoor range: 30-40 ft.
Outdoor range: varies depending on exposure to sun

Front



Back



ordering information

ICIR
|
SERIES

ICIR = Intelli-Charge Infra-Red Remote

Products with Intelli-Charge

AC Systems

transfer relay, IPS, single phase and three phase UPS systems

features

Chloride Systems provides a full range of single phase and three phase AC emergency lighting systems to fulfill the life safety requirement of facilities large and small. All of our AC emergency lighting systems are listed to the stringent UL 924 standard. Visit www.chloridesys.com for more details.

applications

Industrial, warehouse and recreational facilities
Operates critical circuits of high bay luminaires in manufacturing and assembly areas, warehouses and gymnasium facilities to obtain required emergency illumination.

Retail, office and institutional facilities
Operates critical circuits of existing luminaires to obtain required emergency illumination. Improves facility aesthetics and reduces risk of failure due to vandalism.

Exterior paths of egress and parking facilities
Operates critical circuits of existing luminaires to obtain required emergency illumination. Improves performance in adverse ambient conditions such as cold weather and reduces risk of failure due to vandalism.

Hazardous or special classification locations
Operates critical circuits of existing luminaires to obtain required emergency illumination in extreme environments. Install AC systems in a safe, remote environment and operate critical luminaires in areas such as paint facilities, grain facilities and food processing areas. Reduces expense of duplicating emergency and normal operation luminaires.

products

LightSTAR
Light Switch Transfer
Automatic Relay

APTC20
Dimming system compatible
dual source transfer switch

PowerScape
150 VA
Interruptible power supply (IPS) for
emergency lighting applications.

Synthesis CH-UPS
550-1,500 VA
Single phase, uninterruptible power
supply (UPS) for emergency lighting
applications.

Synthesis CHT Series
1.5-14.0 kVA
Single phase, uninterruptible power
supply (UPS) for emergency lighting
applications.

Synthesis CH2 Series
6.0-20.0 kVA
Uninterruptible power supply (UPS)
for emergency lighting applications.

CEPEM
10-75 kVA
Three phase, uninterruptible power
supply (UPS) for emergency lighting
applications.

NEC

The following excerpts from the 2005 National Electrical Code (NFPA 70) are provided as a quick overview and may help as a guide in the selection, specification and layout of emergency lighting products.

700-4 Tests and Maintenance.
(A) Conduct or Witness Test. The authority having jurisdiction shall conduct or witness a test on the complete system upon installation and periodically afterward.
(B) Tested Periodically. Systems shall be tested periodically on a schedule acceptable to the authority having jurisdiction to ensure the systems are maintained in proper operating condition.
(C) Battery Systems Maintenance. Where battery systems or unit equipments are involved, including batteries used for starting, control, or ignition in auxiliary engines, the authority having jurisdiction shall require periodic maintenance.
(D) Written Record. A written record shall be kept of such tests and maintenance.
(E) Testing Under Load. Means for testing all emergency lighting and power systems during maximum anticipated load conditions shall be provided.
FPN: For testing and maintenance procedures of emergency power systems (EPSSs), see NFPA 110-2002, *Standard for Emergency and Standby Power Systems*.
700.8 Signs.
(A) Emergency Sources. A sign shall be placed at the service entrance equipment, indicating type and location of on-site emergency power sources.
Exception: A sign shall not be required for individual unit equipment as specified in 700.12(F).
(B) Grounding. Where the grounded circuit conductor connected to the emergency source is connected to a grounding electrode conductor at a location remote from the emergency source, there shall be a sign at the grounding location that shall identify all emergency and normal sources connected at that location.
700.9 Wiring, Emergency System.
(B) Wiring. Wiring of two or more emergency circuits supplied from the same source shall be permitted in the same raceway, cable, box, or cabinet. Wiring from an emergency source or emergency source distribution overcurrent protection to emergency loads shall be kept entirely independent of all other wiring and equipment, unless otherwise permitted in (1) through (4): (1) Wiring from the normal power source located in transfer equipment enclosures. (2) Wiring supplied from two sources in exit or emergency luminaires (lighting fixtures). (3) Wiring from two sources in a common junction box, attached to exit or emergency luminaires (lighting fixtures). (4) Wiring within a common junction box attached to unit equipment, containing only the branch circuit supplying the unit equipment and the emergency circuit supplied by the equipment.
III. Sources of Power
700-12 General Requirements. Current supply shall be such that, in the event of failure of the normal supply to, or within, the building or group of buildings concerned, emergency lighting, emergency power, or both shall be available within the time required for the application but not to exceed 10 seconds. The supply system for emergency purposes, in addition to the normal services to the building and meeting the general requirements of this section, shall be one or more of the types of systems described in 700.12(A) through 700.12(E). Unit equipment in accordance with 700.12(F) shall satisfy the applicable requirements of this article.
In selecting an emergency source of power, consideration shall be given to the occupancy and the type of service to be rendered, whether of minimum duration, as for evacuation of a theater, or longer duration, as for supplying emergency power and lighting due to an indefinite period of current failure from trouble either inside or outside the building.
Equipment shall be designed and located so as to minimize the hazards that might cause complete failure due to flooding, fires, icing and vandalism.
Equipment for sources of power as described in 700.12(A) through 700.12(E) where located within assembly occupancies for greater than 1000 persons or in buildings above 75ft (23m) in height with any of the following classes — assembly, educational, residential, detention and correctional, business, and mercantile — shall be installed either in spaces fully protected by approved automatic fire suppression systems (sprinklers, carbon dioxide systems, and so forth) or in spaces with a 1-hour fire rating.
FPN No. 1: For the definition of occupancy classification, see Section 6.1 of NFPA 101-2003, *Life Safety Code*.
FPN No. 2: Assignment of degree of reliability of the recognized emergency supply system depends on the careful evaluation of the variables at each particular installation.
(A) Storage Battery. Storage batteries used as a source of power for emergency systems shall be of suitable rating and capacity to supply and maintain the total load for a minimum period of 1½ hours, without the voltage applied to the load falling below 87½ percent of normal.
For a sealed battery, the container shall not be required to be transparent. However, for the lead acid battery that requires water additions, transparent or translucent jars shall be furnished. Automotive-type batteries shall not be used.
An automatic battery charging means shall be provided.
(F) Unit Equipment. Individual unit equipment for emergency illumination shall consist of the following: (1) A rechargeable battery. (2) A battery charging means. (3) Provisions for one or more lamps mounted on the equipment, or shall be permitted to have terminals for remote lamps, or both. (4) A relaying device arranged to energize the lamps automatically upon failure of the supply to the unit equipment.
The batteries shall be of suitable rating and capacity to supply and maintain at not less than 87½ percent of the nominal battery voltage for the lamp load associated with the unit for a period of at least 1½ hours, or the unit equipment shall supply and maintain not less than 60 percent of the initial emergency illumination for a period of at least 1½ hours. Storage batteries, whether of the acid or alkali types, shall be designed and constructed to meet the requirements of emergency service.
Unit equipment shall be permanently fixed in place (i.e., not portable) and shall have all wiring to each unit installed in accordance with the requirements of any of the wiring methods in Chapter 3. Flexible cord-and-plug connection shall be permitted, provided that the cord does not exceed 3 feet (900mm) in length. The branch circuit feeding the unit equipment shall be the same branch circuit as that serving the normal lighting in the area and connected ahead of any local switches. The branch circuit that feeds unit equipment shall be clearly identified at the distribution panel. Emergency luminaires (illumination fixtures) that obtain power from a unit equipment and are not part of the unit equipment shall be wired to the unit equipment as required by 700.9 and by one of the wiring methods of Chapter 3.
Exception: In a separate and uninterrupted area supplied by a minimum of three normal lighting circuits, a separate branch circuit for unit equipment shall be permitted if it originates from the same panelboard as that of the normal lighting circuits and is provided with a lock-on feature.
IV. Emergency System Circuits for Lighting & Power
700-15 Loads on Emergency Branch Circuits. No appliances and no lamps, other than those specified as required for emergency use, shall be supplied by emergency lighting circuits.
700-16 Emergency Illumination. Emergency illumination shall include all required means of egress lighting, illuminated exit signs, and all other lights specified as necessary to provide require illumination.
Emergency lighting systems shall be designed and installed so that the failure of any individual lighting element, such as the burning out of a light bulb, cannot leave in total darkness any space that requires emergency illumination.
Where high-intensity discharge lighting such as high- and low-pressure sodium, mercury vapor, and metal halide is used as the sole source of normal illumination, the emergency lighting system shall be required to operate until normal illumination has been restored.
Exception: Alternative means that ensure emergency lighting illumination level is maintained shall be permitted.

NFPA 101, Life Safety Code

The following excerpts from the 2006 National Fire Protection Association (NFPA 101) Life Safety Code are provided as a quick overview and may help as a guide in the selection, specification and layout of emergency lighting products.

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.

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 ¾ 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 ⅜ 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 ⅜ 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.

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