



EVERLAST[®]
LIGHTING

PRODUCT CATALOG

www.everlastlight.com

About Us	3
How EverLast® Induction Lighting Works	4

Indoor Lighting

Circular High Bay Series

Huron Aluminum High Bay	8
St. Clair Acrylic High Bay	10
Superior Opaque/White High Bay	12
Houghton Aluminum Low Bay	14
Ordering Information	16

Rectangular High Bay Series

Open Rectangular High Bay	20
IP65 Rectangular High Bay	21
Ordering Information	22

Street and Area Lighting

Cobra Head Series

Cape Cobra Head	25
Wellworth Cobra Head	26
Charlevoix Cobra Head	28
Daytona Cobra Head	30
Ordering Information	32

Shoe Box Series

Mondavi Shoe Box	35
Classic Shoe Box D	36
Classic Shoe Box C	37
Ordering Information	38

Walkway Series

Acorn Walkway	41
Contemporary Walkway	42
Modern Walkway	43
Ordering Information	44

Outdoor Lighting

Garage Series

Davenport Garage	48
Classic Garage	49
BioLume® Garage	50
Ordering Information	52

Exterior Series

Full Cutoff Wall Pack	56
Classic Wall Pack	57
Classic Flood Light	58
Spot/Flood	59
Ordering Information	60

Canopy/Freezer Series

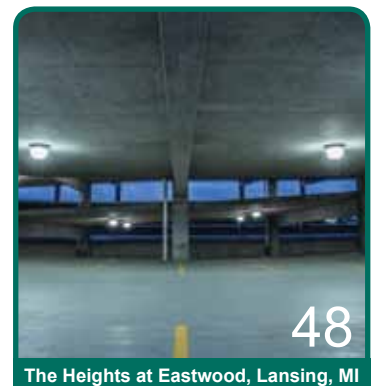
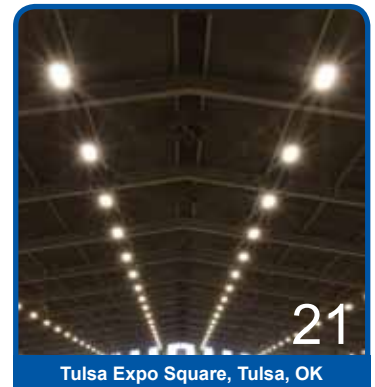
Canopy/Freezer	64
IP65 Rectangular High Bay	65
Ordering Information	66

Bi-Level and Variable Dimming	68-69
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Lamp - Ballast - Wiring Specifications	70-71
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Mounting Hardware	72-74
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Featured Installations

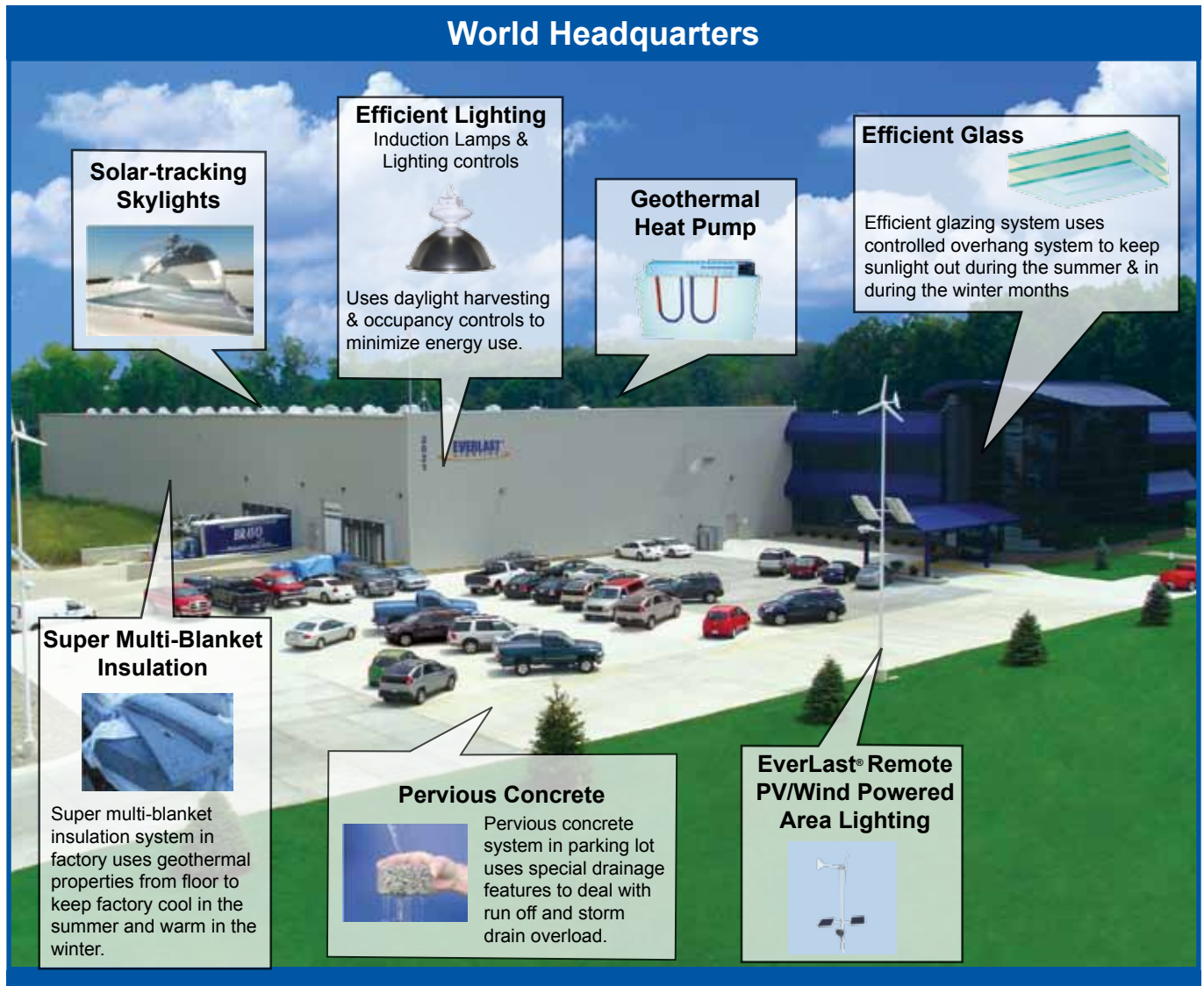


About Us



EverLast® Lighting, Inc. is a sister company of Full Spectrum Solutions, Inc., which was founded in 1997 and has quickly grown into the leading manufacturer of energy-efficient lighting solutions for roadway, parking structure, facility and area lighting applications. By incorporating bi-level controls with on/off photo sensors, our EverLast® induction fixtures can reduce energy use by up to 70 percent and have won national awards for sustainability in utilizing SMART technology.

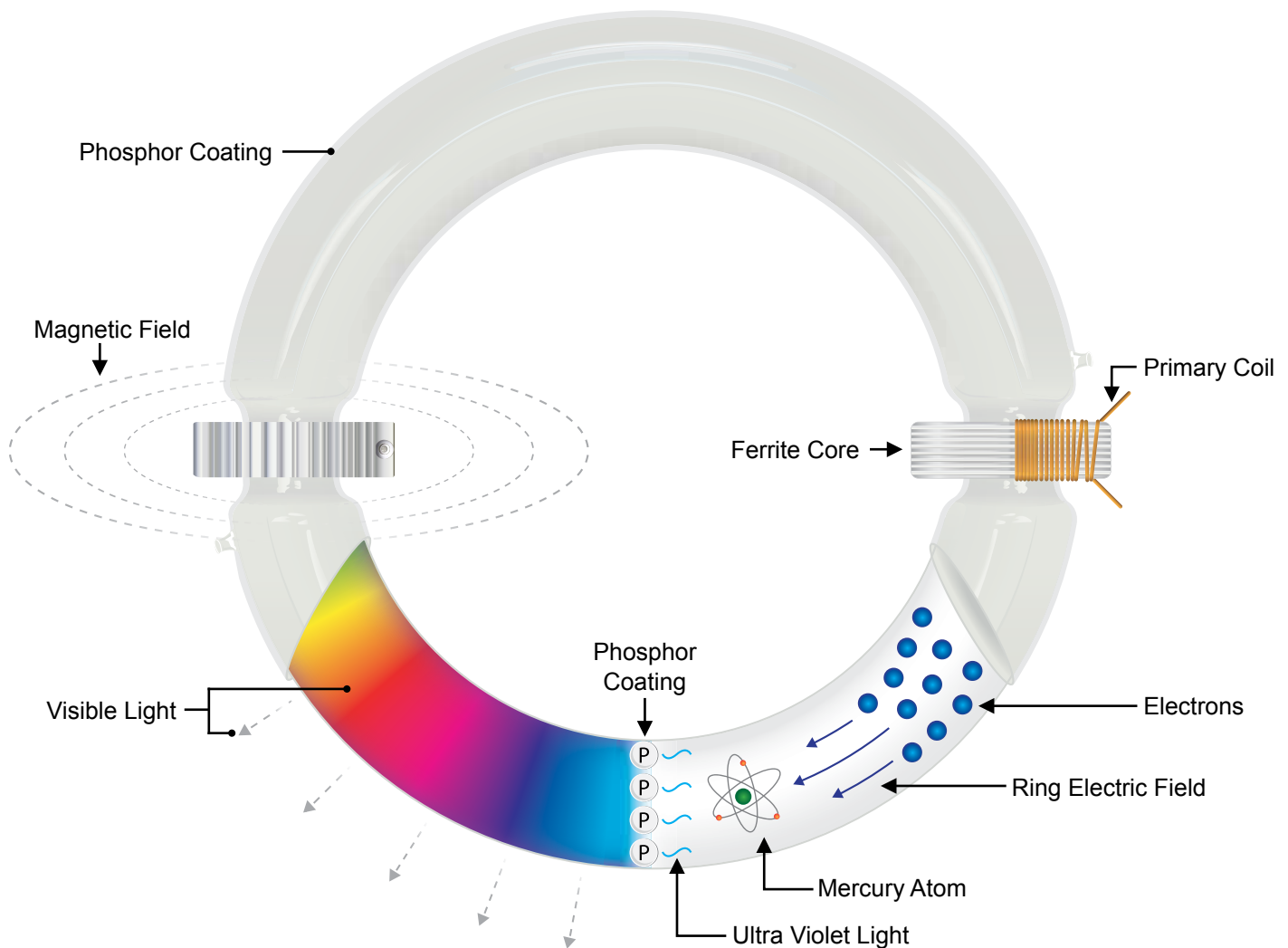
We are strong believers in practicing what we preach, so when we outgrew our facility in 2008, we decided to build a state-of-the-art “green” facility where we could begin manufacturing a variety of energy-efficient EverLast® induction light fixtures. With continual research and educational activities in mind our new facility houses a research and development department along with expansive classroom setting. EverLast® continues to bring quality, innovative lighting solutions to market.



EverLast® Lighting Inc.
2021 Wellworth Avenue
Jackson, Michigan 49203



How EverLast® Induction Lighting Works



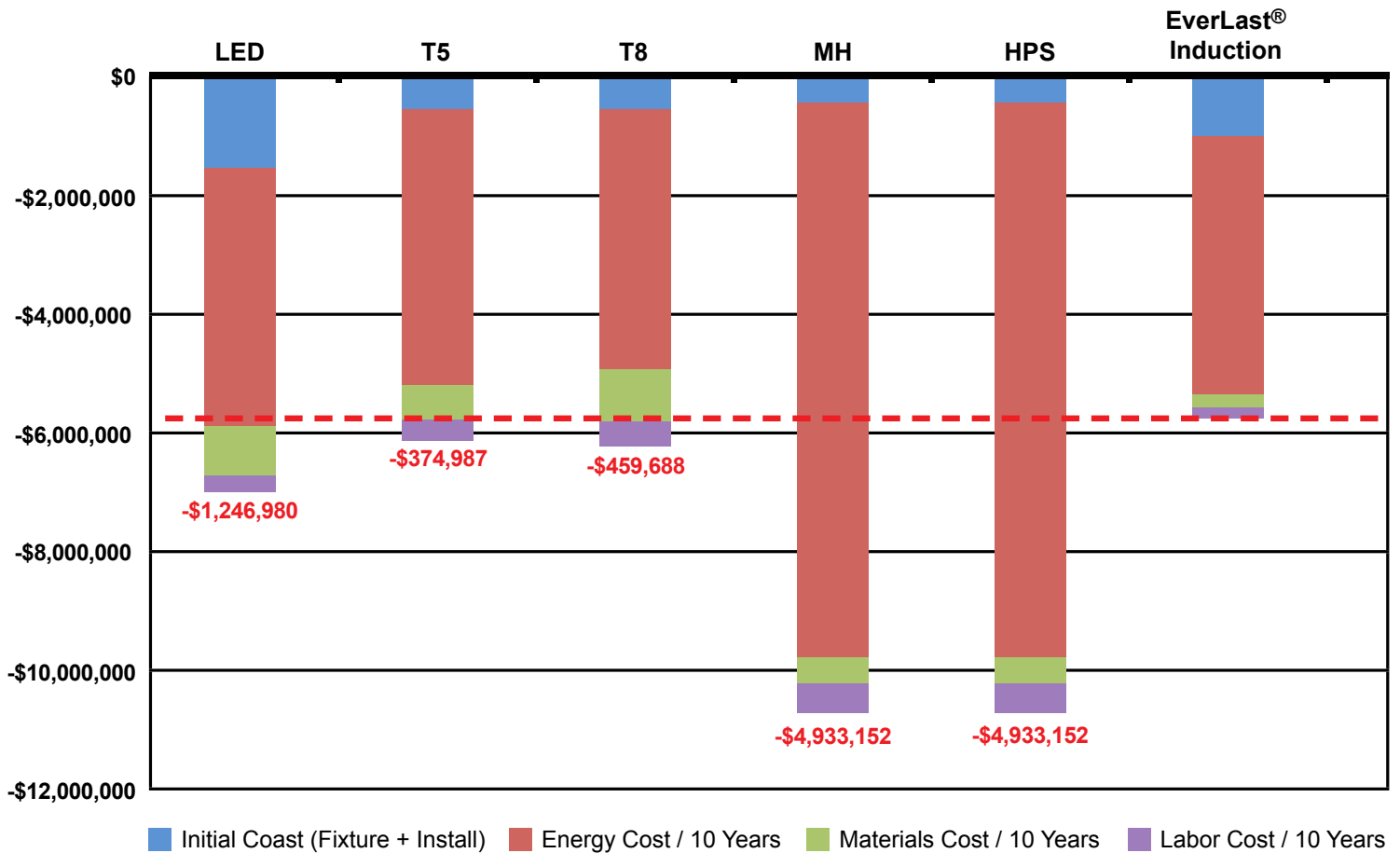
EverLast® Induction technology is a fluorescent lamp without electrodes. In this advanced technology the lamp relies on a magnetic induction to ignite the phosphors rather than electrodes, which are the components that burn out in a linear lamp, resulting in frequent replacement. Since these lamps do not have any components that can burn out, induction lamps are rated at 100,000 hours, lasting longer than 100 incandescent, 5 HID, or 5 typical fluorescent lamp changes.

The patented EverLast® HD induction system blends technology that was first discovered more than 30 years ago with new features that were not commercially viable until now. We have overcome the barriers of high cost and the technological setbacks such as EMC interference, lumen depreciation, and inability to dim. As a result we offer a large range of lamp wattages and fixture styles to meet every application ranging from interior retail, factory and warehouse lighting to exterior roadway, parking lot, and area lighting.

Our "Pay as you Save™" financing plan allows customers to see instant energy savings, resulting in a quicker return on investment. Call us today to receive a free quote on your next lighting project!

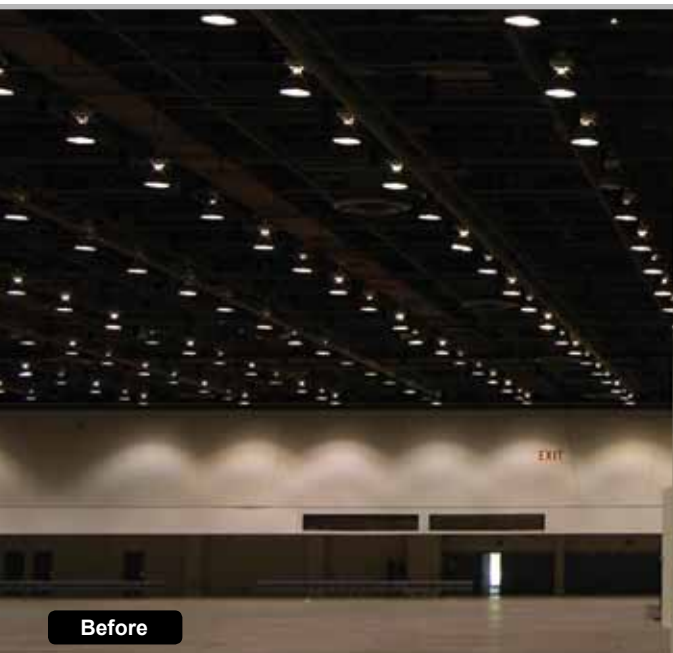


Additional Cost of Ownership Compared to EverLast® High Bay Lighting*



EverLast® High Bay fixtures boast lowest Total Cost of Ownership over T8, LED, HPS, HID and competitors induction fixtures.

*Based on a South Carolina Factory from a 2,100 Fixture Quote



Before



After

CIRCULAR HIGH BAY SERIES



*Protected by U.S. Patent No. D659,897



Tulsa Expo Square, Tulsa, OK



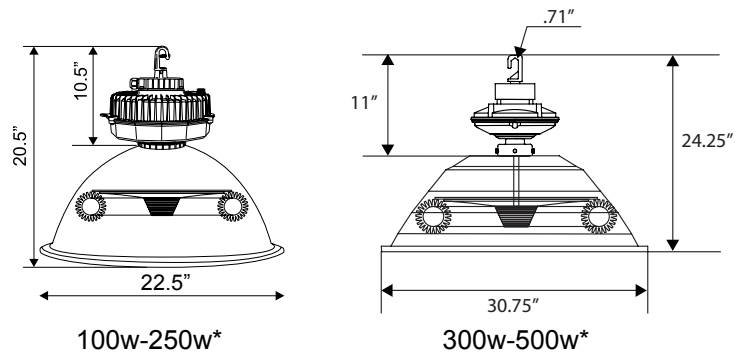
COBO Hall, Detroit, MI

Description

- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-90 CRI
- IP Rating: IP43
- Applications: Warehouses, factories, retail showrooms, gymnasiums
- Warranty: 10 Year Limited

Specifications and Patented Features

- 22 inch A3002-0 reflector with smooth bright dip clear inner surface
- UV stabilized premium flat acrylic lens with <2% haze
- Die cast aluminum ballast casing with corrosion-resistant white powder coat finish
- Simple latching hook or pendant mounting system
- Electronic ballast with high power factor, flicker free instant re-strike
- Excellent vibration & shock resistance

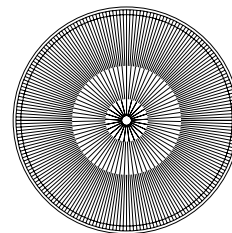


EverLast® Anodized Aluminum Reflector, domestic lighting grade A3002-0 spun aluminum with bright dip clear finish for increased reflectivity.



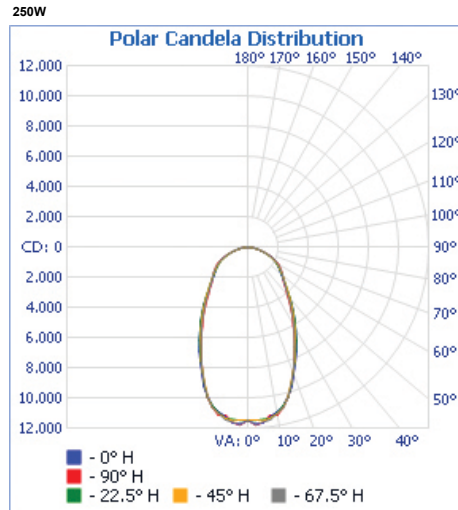
*Patent No. D659,897

Patented OptiFlec™ Septum Enhancement captures wasted up-light directing it towards the system as well as increasing down light at work plane.



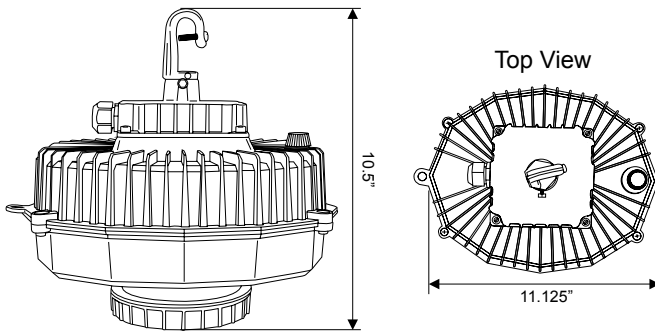
Proprietary EverFlex™ Silicon Lens provides a durable solution for impact applications, and is much more effective alternative than tempered glass.

*Body and Ballast may vary based on wattages

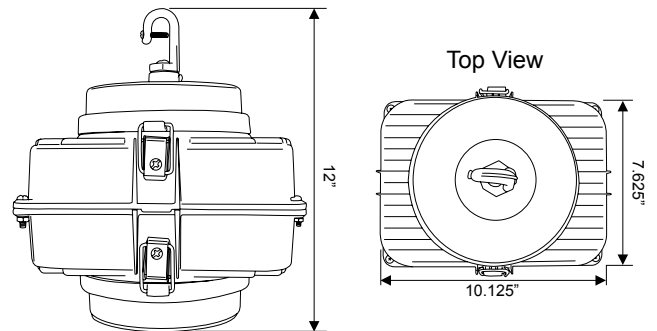


Ballast Dimensions

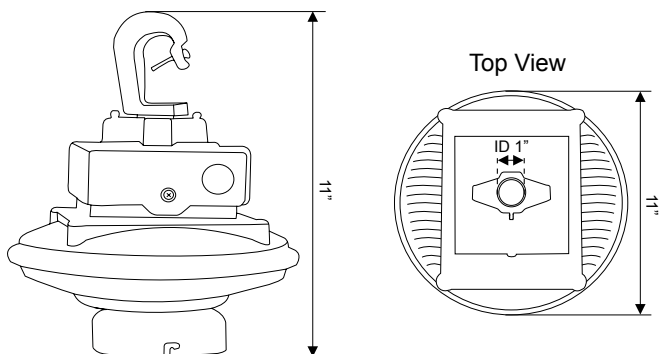
100w-200w Standard Ballast



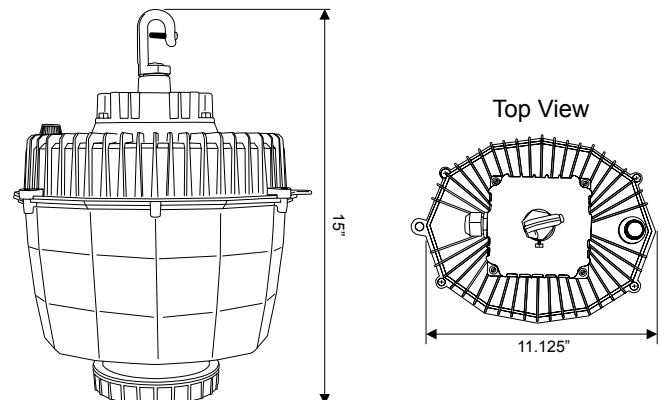
IP65 Ballast



250w-500w Standard Ballast



Wireless Ballast





*Protected by U.S. Patents No. 4,839,781, D659,897 and Patent Pending OptiFlec™ System Performance

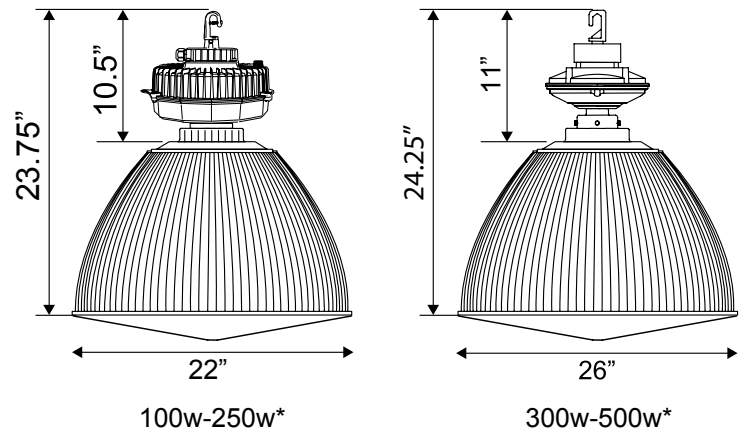


Description

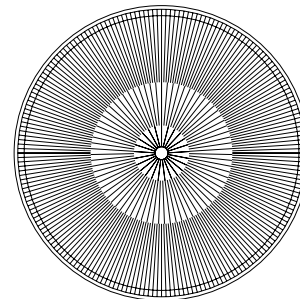
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-90 CRI
- IP Rating: IP43
- Applications: Warehouses, factories, retail showrooms, gymnasiums, supermarkets, exhibition halls
- Warranty: 10 Year Limited

Specifications and Patented Features

- Premium grade acrylic reflector with <2% haze
- Conical lens lifts main beam and diffuses light
- Stainless steel roll-form clamp band
- US Patented optics improve performance by 20% compared to competing fixtures
- Die cast aluminum ballast casing with corrosion-resistant white powder coat finish
- Electronic ballast with high power factor, flicker free instant re-strike
- Excellent vibration & shock resistance

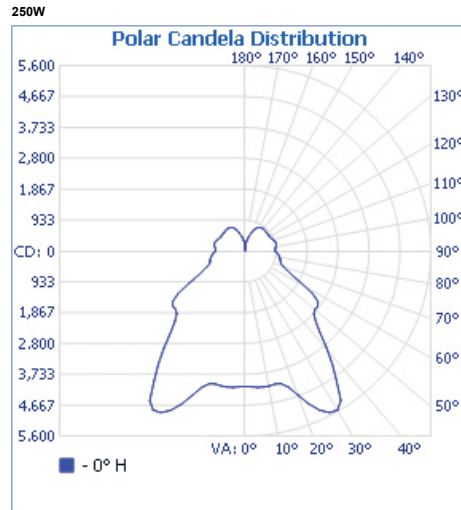


EverLast® Reflexors use high optic lighting enhanced resins tuned to high reflective properties.



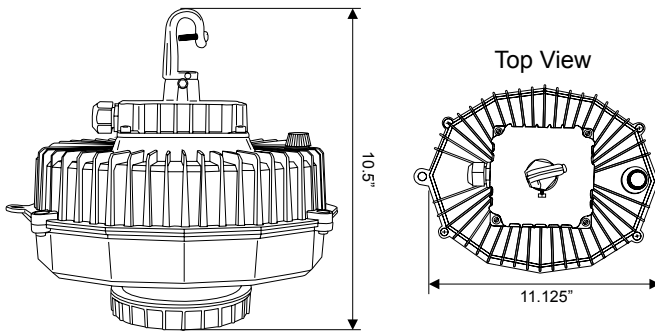
Proprietary EverFlex™ Silicon Lens provides a durable solution for impact applications, and is much more effective alternative than tempered glass.

*Body and Ballast may vary based on wattages

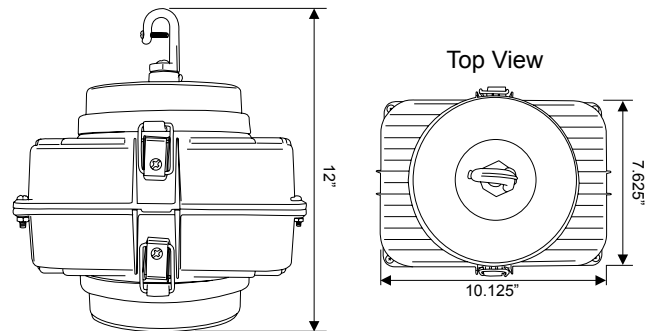


Ballast Dimensions

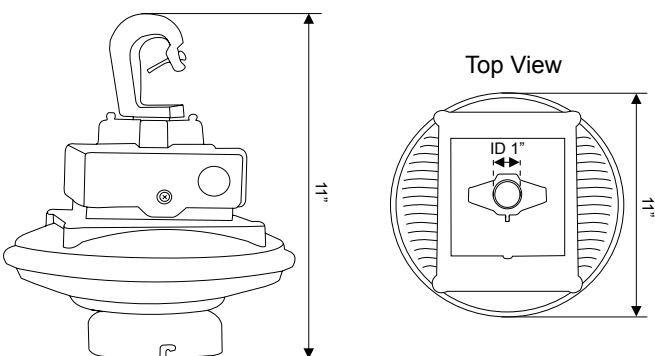
100w-200w Standard Ballast



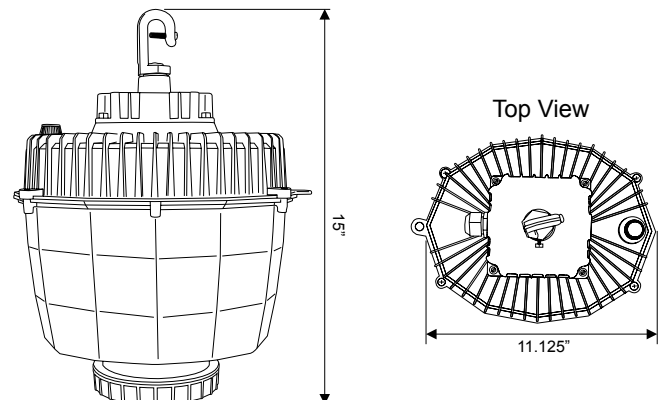
IP65 Ballast



250w-500w Standard Ballast



Wireless Ballast





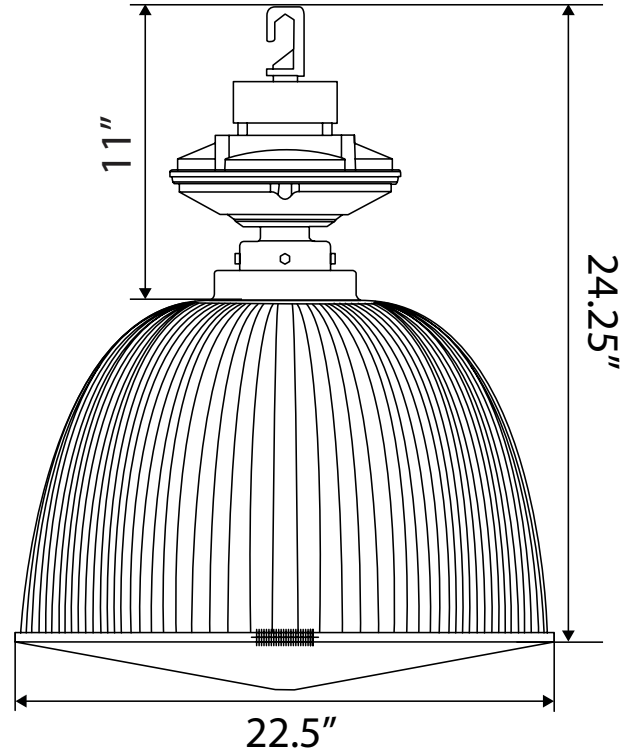
*Protected by U.S. Patent No. 4,839,781. Additional Patents Pending.

Description

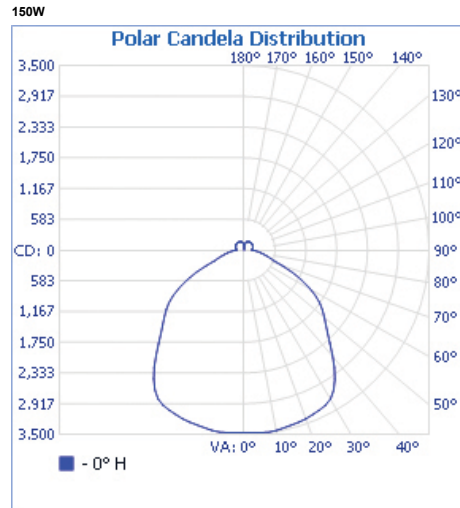
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-90 CRI
- IP Rating: IP43
- Applications: Warehouses, factories, retail showrooms, gymnasiums, supermarkets, exhibition halls
- Warranty: 10 Year Limited

Specifications and Patented Features

- Highly reflective microcellular foamed acrylic reflector with US Patented optics.
- Conical lens lifts main beam and diffuses light
- Stainless steel roll-form clamp band
- Provides a soft glowing appearance with just the right amount of uplight while improving downlight
- Die cast aluminum ballast casing with corrosion-resistant white powder coat finish
- Electronic ballast with high power factor, flicker free instant re-strike
- Excellent vibration and shock resistance

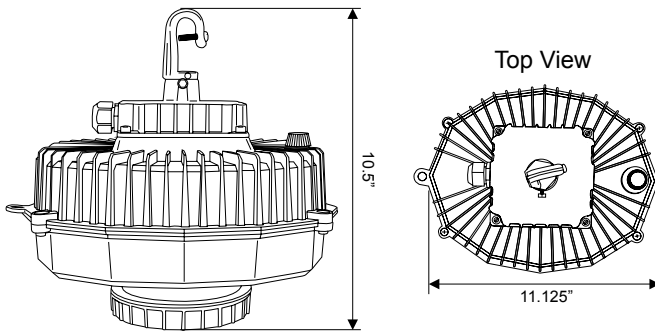


*Body and Ballast may vary based on wattages

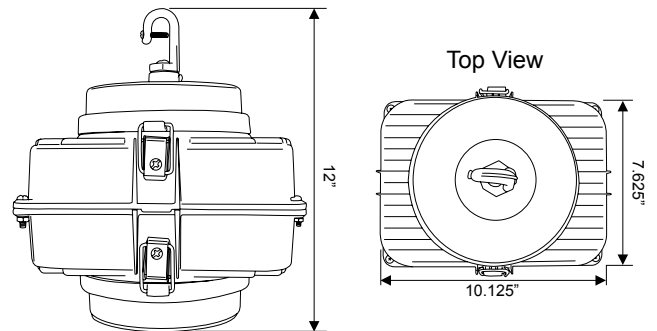


Ballast Dimensions

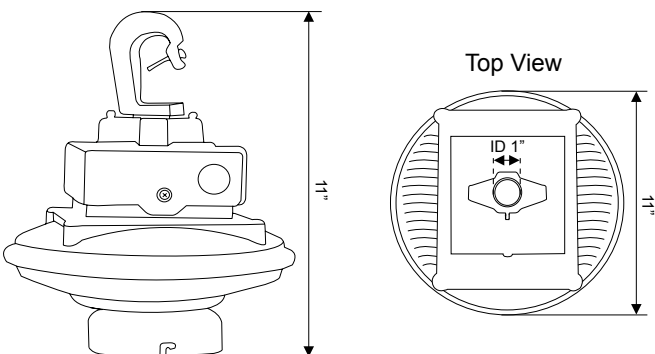
100w-200w Standard Ballast



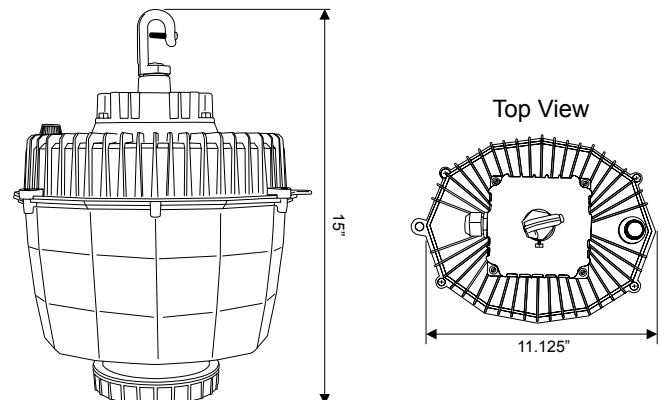
IP65 Ballast



250w-300w Standard Ballast



Wireless Ballast





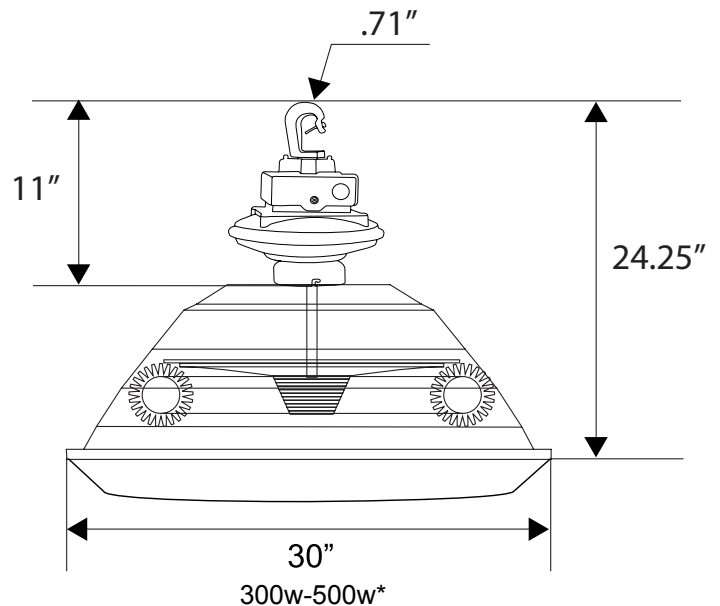
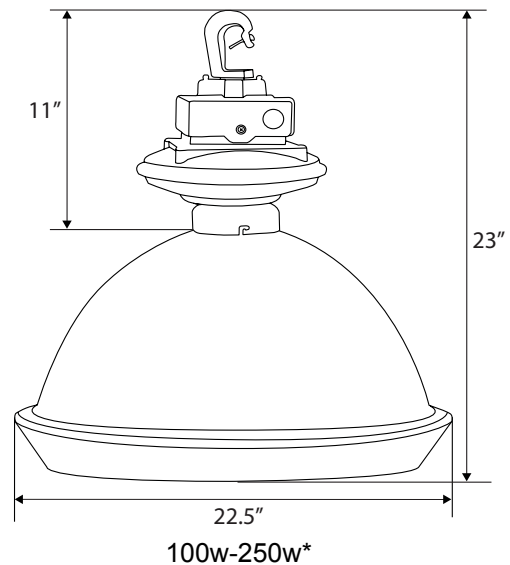
*Patent Pending

Description

- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP43
- Applications: Warehouses, factories, retail showrooms, gymnasiums, workshops
- Warranty: 10 Year Limited

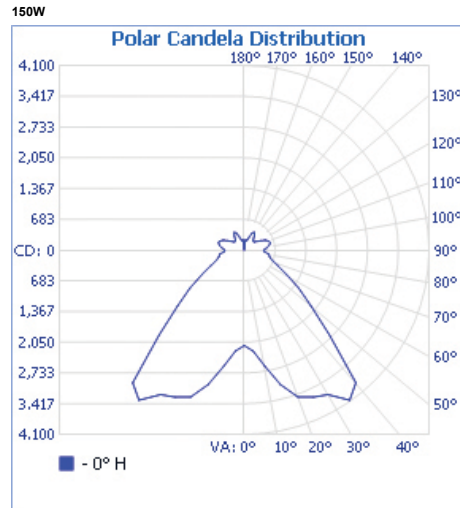
Specifications and Patented Features

- Aluminum reflector with anodized inner surface
- UV stabilized acrylic lens
- Die cast aluminum ballast casing with corrosion-resistant white powder coat finish
- Simple latching hook or pendant mounting system
- Electronic ballast with high power factor
- Excellent vibration and shock resistance



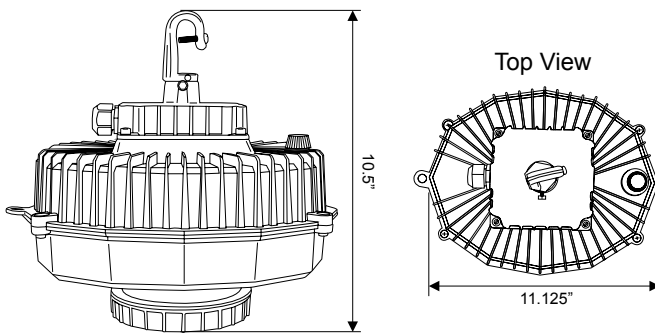
Yuengling Brewery, Pottsville, PA

*Body and Ballast may vary based on wattages

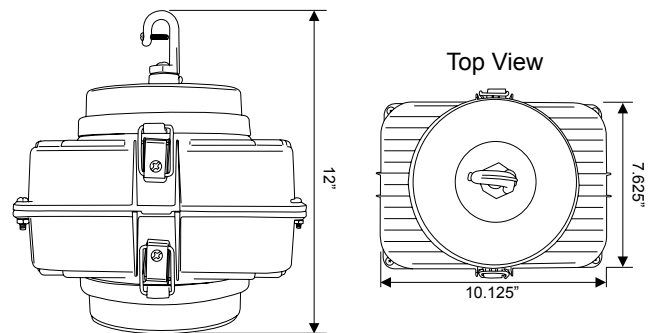


Ballast Dimensions

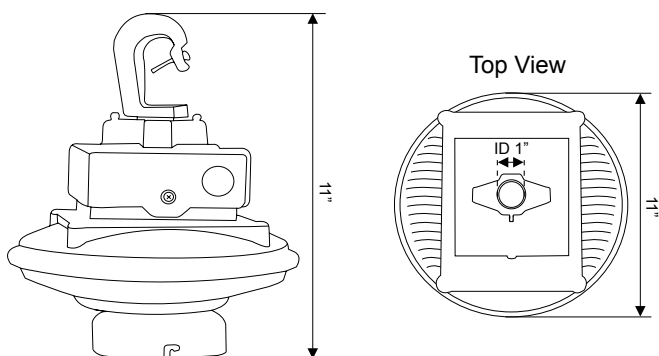
100w-200w Standard Ballast



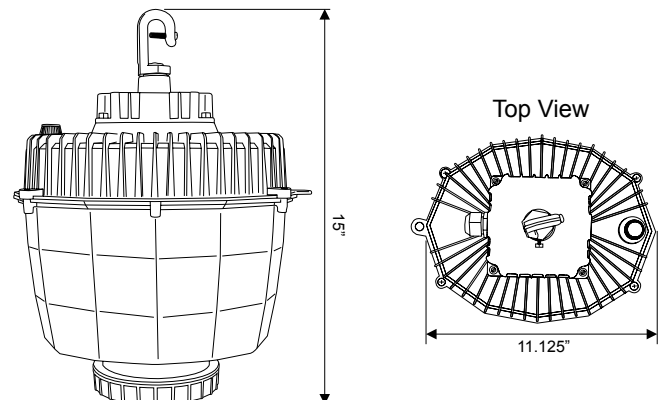
IP65 Ballast



250w-500w Standard Ballast



Wireless Ballast



Circular High Bay Series



Manufactured in U.S.A.
Per Buy American Act 41U.S.C.

HURON ALUMINUM			STANDARD	IP65	WIRELESS
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Standard	=	13	 <p>100w-200w</p> <p>250w-500w</p>		
IP65	=	14			
Wireless	=	31			

ST. CLAIR ACRYLIC			STANDARD	IP65	WIRELESS
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Standard	=	15	 <p>100w-200w</p> <p>250w-500w*</p>		
IP65	=	16			
Wireless	=	32			

SUPERIOR OPAQUE/WHITE ACRYLIC			STANDARD	IP65	WIRELESS
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Standard	=	17	 <p>100w-200w</p> <p>250w-300w</p>		
IP65	=	18			
Wireless	=	33			

HOUGHTON LOW BAY			STANDARD	IP65	WIRELESS
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Standard	=	19	 <p>100w-200w</p> <p>250w-500w</p>		
IP65	=	35			
Wireless	=	34			

*300-500 wattages require a 26" hood from pg. 10

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

100W-200W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	LENS	WIRE GUARD	POWER WHIP	KELVIN
13	1) 120-120-277V	F) 100	1) Base	L) Lumen Maintenance	A) Smooth Flat Acrylic	A) No Guard	A) None	50) 5000K
14	2) 347-347V*	H) 120	2) Bi-Level/Variable	E) Energy Saver*	B) Smooth Flat Polycarbonate	B) Full Wire Guard*	B) 120-277v 6' 3 prong	41) 4100K*
15	3) 480-480V*	J) 150			C) Conical Drop Acrylic	C) Bottom Wire Guard*	C) 6' NEMA L5-15 120v	
16	4) 380v DC	L) 200			D) Conical Drop Polycarbonate		D) 6' NEMA L6-30 240v twistlock	
17					E) Drop Acrylic (Low Bay)		E) 6' NEMA L7-15 277v twistlock	
18					F) Drop Polycarbonate (Low Bay)			
19					G) EverFlex™*			
31								
32								
33								
34								
35								

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	LENS	WIRE GUARD	POWER WHIP	KELVIN
9X								

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-13-1-F-1-L-A-B-A-41

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

250W-500W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	LENS	WIRE GUARD	POWER WHIP	KELVIN
13	1) 120-120-277V	M) 250	3) Standard	S) Standard	A) Smooth Flat Acrylic	A) No Guard	A) None	50) 5000K
14	2) 347-347V*	Q) 300	4) Bi-Level*		B) Smooth Flat Polycarbonate	B) Full Wire Guard*	B) 120-277v 6' 3 prong	41) 4100K*
15	3) 480-480V*	N) 350	5) Variable*		C) Conical Drop Acrylic	C) Bottom Wire Guard*	C) 6' NEMA L5-15 120v	
16	4) 380v DC	O) 400			D) Conical Drop Polycarbonate		D) 6' NEMA L6-30 240v twistlock	
17		P) 500			E) Drop Acrylic (Low Bay)		E) 6' NEMA L7-15 277v twistlock	
18					F) Drop Polycarbonate (Low Bay)			
19					G) EverFlex™*			
35								

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	LENS	WIRE GUARD	POWER WHIP	KELVIN
9X								

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-13-1-M-3-S-A-B-A-41



400w IP65 Rectangular High Bay
Tulsa Expo Square, Tulsa, OK

RECTANGULAR HIGH BAY SERIES

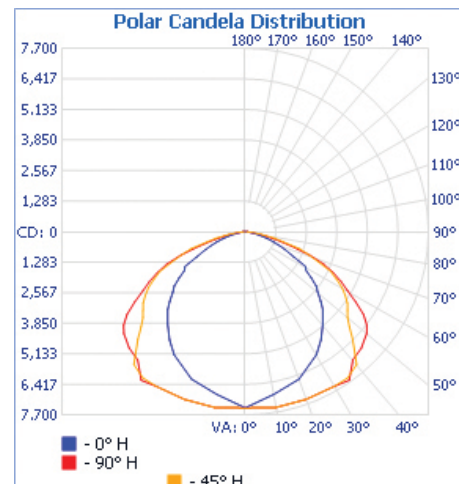
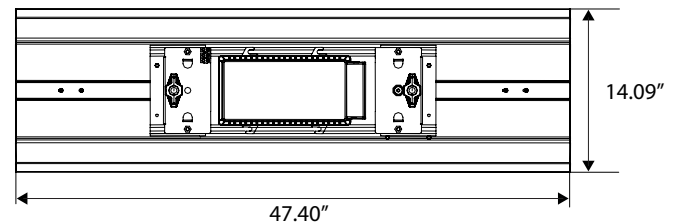
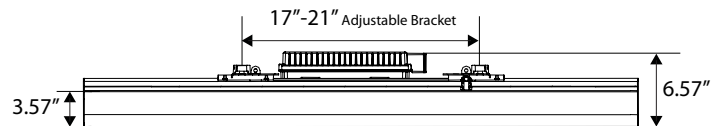


Description

- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 86-90 CRI
- IP Rating: IP20
- Applications: Warehouses, factories, retail showrooms, gymnasiums
- Warranty: 10 Year Limited

Specifications and Patented Features

- Powder coated aluminum body with anodized aluminum reflector
- Die cast aluminum ballast casing with corrosion-resistant white powder coat finish
- Mounting can be suspended by chains, cables or pendant mounted
- Electronic ballast with high power factor
- Excellent vibration and shock resistance

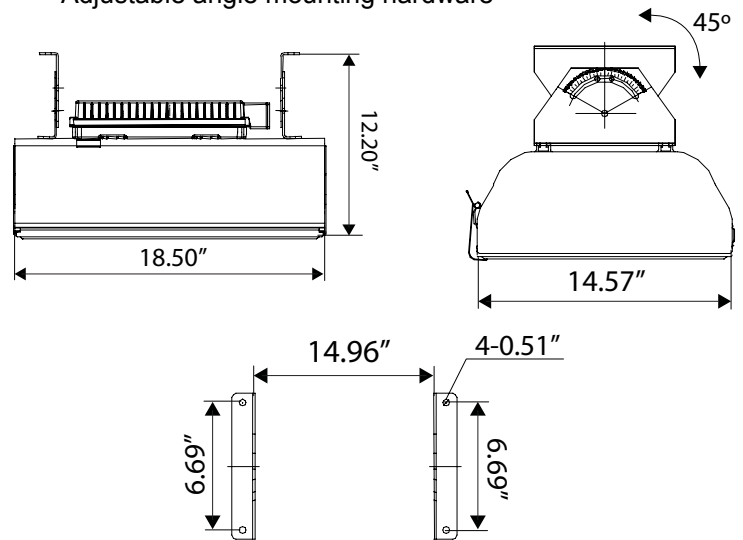


Description

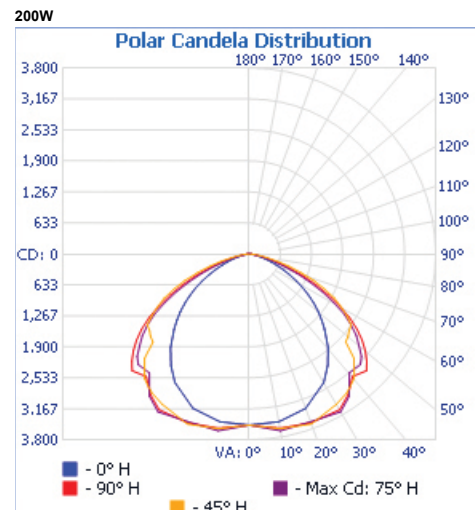
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-90 CRI
- IP Rating: IP65
- Applications: Dusty or wet environments, tunnels, bridges, anywhere an IP65 rating is needed
- Warranty: 10 Year Limited

Specifications and Patented Features

- Profiled aluminum housing with welded ends
- Tempered glass lens and easy open fixture design
- Anodized aluminum reflector for optimal light distribution
- Gas-tight silicon rubber seal made for wet locations
- Electronic ballast with high power factor
- Excellent vibration and shock resistance
- Adjustable angle mounting hardware



	A	B	C
70W-100W	18.50 (470)	14.57 (370)	14.96 (380)
120W-150W	21.65 (550)	14.57 (370)	15.75 (400)
200W-300W	27.95 (710)	14.57 (370)	19.69 (500)
400W	48.03 (1220)	14.57 (370)	27.56 (700)



Open Rectangular = 20



The Open Rectangular High Bay comes with a die cast aluminum ballast casing with corrosion-resistant white powder coat finish. The lamp life rating of 100,00 hours and 70% lumen maintenance after, makes this the perfect application for any warehouse, factories, retail showrooms, gymnasiums and more. Includes a 10 year or 60,000 hours warranty.*

Available Wattage: 400w

IP65 Rectangular = 29



The IP65 Rectangular High Bay comes with adjustable angle mounting and electronic ballast with a high power factor. The anodized aluminum reflector for optimal light distribution makes this the perfect application for any dusty or wet environments, tunnels, bridges, or anywhere an IP65 rating is needed.

Available Wattages: 70w-400w



Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

70W-400W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	WIRE GUARD	POWER WHIP	KELVIN
20 29	1) 120-120-277V 2) 347-347V* 3) 480-480V*	C) 70 E) 80 F) 100 H) 120 J) 150 L) 200 M) 250 Q) 300 O) 400	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	A) No Guard H) Wire Guard*	A) None B) 120-277v 6' 3 prong C) 6' NEMA L5-15 120v D) 6' NEMA L6-30 240v twistlock E) 6' NEMA L7-15 277v twistlock	50) 5000K 41) 4100K*

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	WIRE GUARD	POWER WHIP	KELVIN
9X — ○ —	○ —	○ —	○ —	○ —	□ —	□ —	□

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-**20-1-M-3-S-A-B-41**





COBRA HEAD SERIES

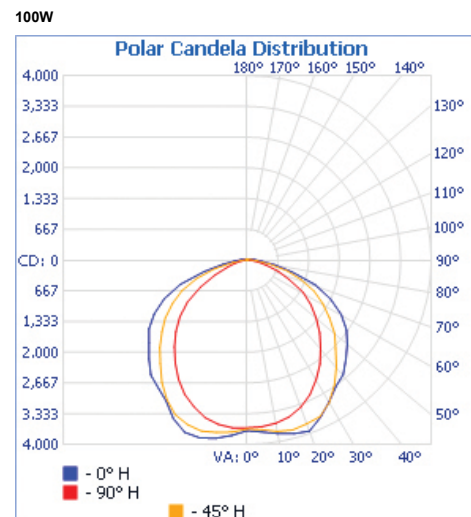
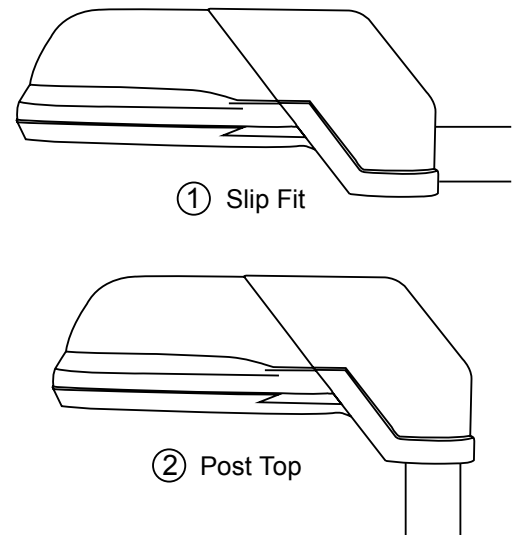
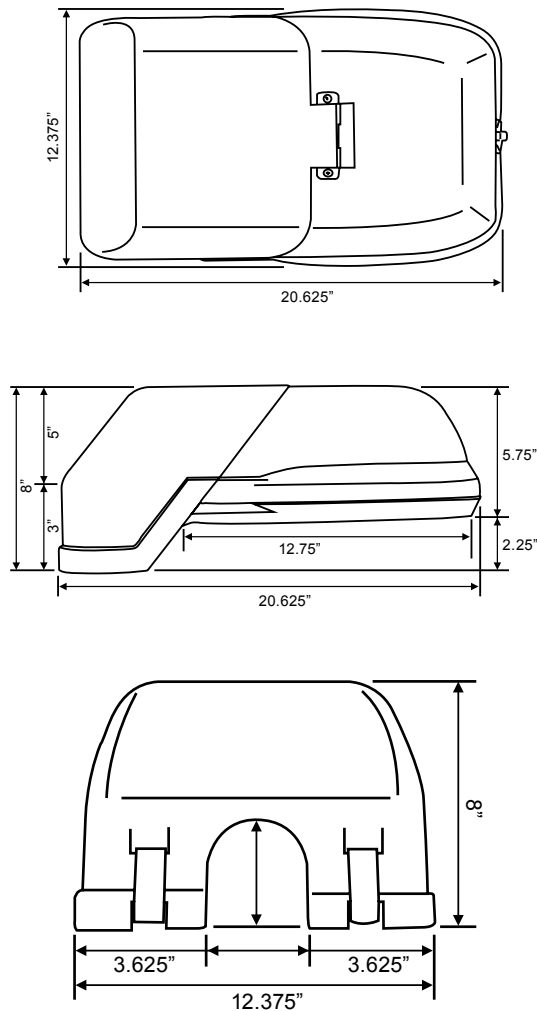


Description

- Lamp Life Rating: 100,000
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 86-90 CRI
- IP Rating: 65
- EPA: 1.1ft²
- Applications: Secondary, Collector, Local Road, Walkways, Parking Lots
- Warranty: 10 Year Limited

Specifications and Patented Features

- Toolless entry lamp and ballast compartments promote easy install and fixture maintenance
- Corrosion resistant powder coated die cast aluminum housing
- Full cutoff design provides dark sky compliant light distribution and BUG ratings
- “Easy-Adjust” mounting system allows for up to 2.25” OD slip fit horizontal tenon mount or post top mount
- Ruggedized gasket and clamping mechanisms with drip edge for IP65 environments





*Protected by U.S. Patents No. D636,526; D636,518; D638,162. Additional Patents Pending

Description

- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP65
- Applications: Freeway, highway, secondary roads
- EPA: 1.6ft²
- Warranty: 10 Year Limited

Specifications and Patented Features

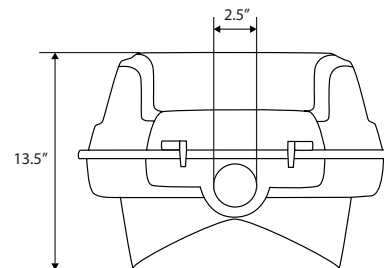
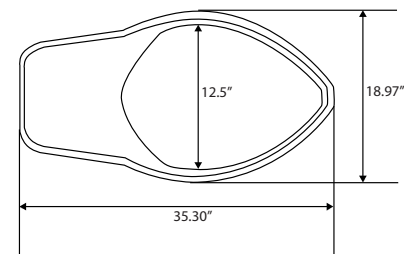
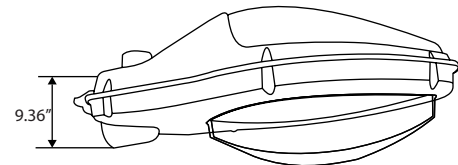
- Bi-Level Ballast option dims to 40% power for additional energy savings
- Specular reflector optimized for induction lamp geometry
- Integrated heat sink system for extended life
- Acrylic lens with Type III distribution, medium throw prescription
- Full cutoff heavy duty aluminum/hybrid interior design with increased durability for harsh environments
- Excellent vibration & shock resistance
- Fixture body 80% recycled polycarbonate resin



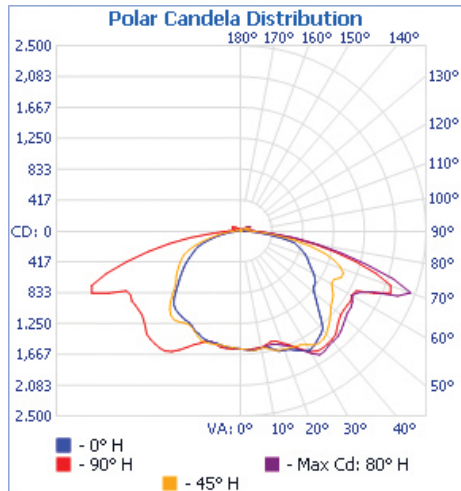
MDOT I-94 Installation, Detroit, MI



Marina Vista, CA



100W



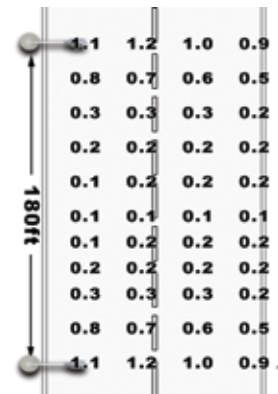
SUMMARY DATA

EFFICIENCY(Total):	66.30%
EFFICIENCY (Downlight):	66.00%
EFFICIENCY (Uplight):	0.30%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg.):	1.21
SPACING CRITERION (90-Deg.):	1.53
LUMENS/LAMP:	26775
NO. OF LAMPS:	1
LUMINOUS OPENING:	RECTANGULAR
Width:	0.32 (Meters)
Length:	0.92
Height:	0.14
INPUT WATTS:	325

Recommended Roadway Lighting

IES Recommended Spacing	100W
Local	350'
Collector	220'
Major	140'
Expressway/Freeway A	100'
Freeway B	150'

Grid Statistics	100W
Average	0.4fc
Max	1.2fc
Min	0.1fc
Max/Min	12.0
Avg/Min	4.0





Description

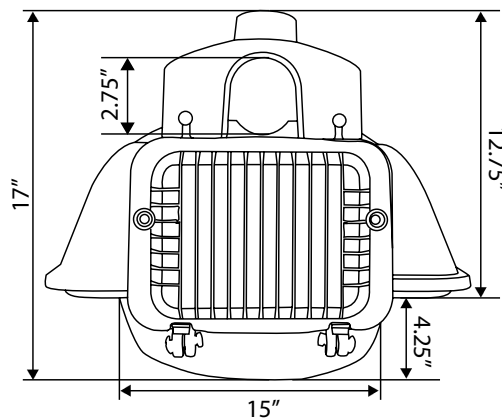
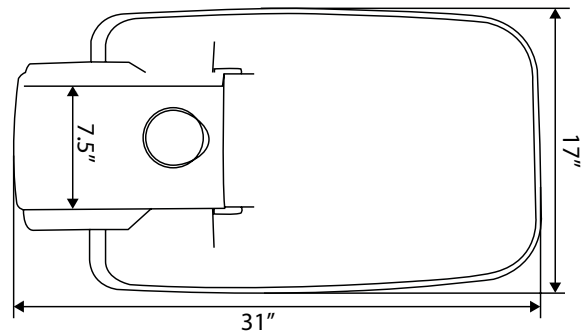
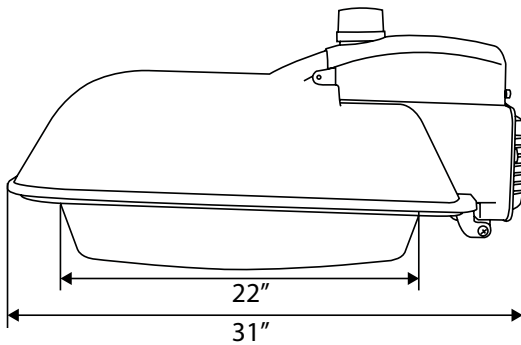
- Lamp Life Rating: 100,000 Hours
- Lumen Maintenance: 70% over 100,000 Hours
- Light Output: 5000K, 85 CRI
- IP Rating: IP65
- Applications: Freeway, secondary roads, parking lots
- EPA: 1.9ft²
- Warranty: 10 Year Limited

Specifications and Patented Features

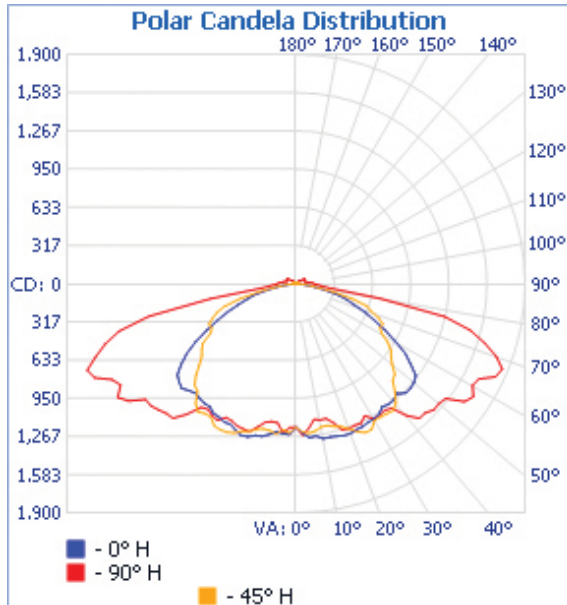
- Bi-Level Ballast option dims to 40% power for additional energy savings
- Specular reflector optimized for induction lamp geometry
- Acrylic lens with Type II full cut off, or Type III
- Die cast aluminum housing with weatherproof powder coated finish
- Individual, isolated compartments protect ballast, lamp and slip-fit mounting hardware
- Tool-less entry for easy access, with gasket seal for IP65 ingress protection rating



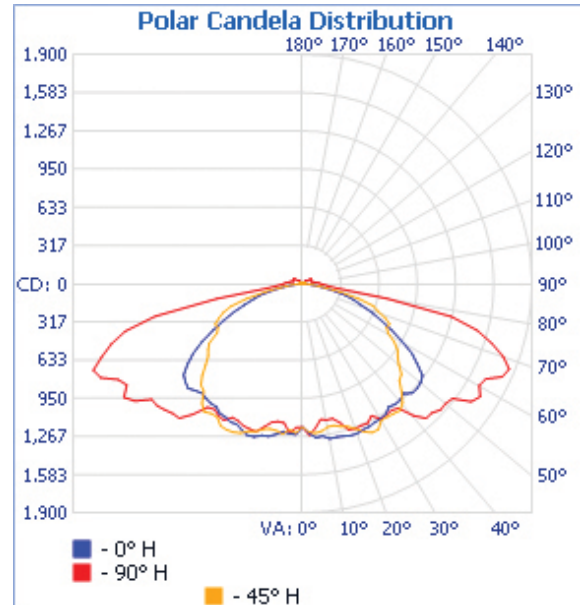
*Patent Pending



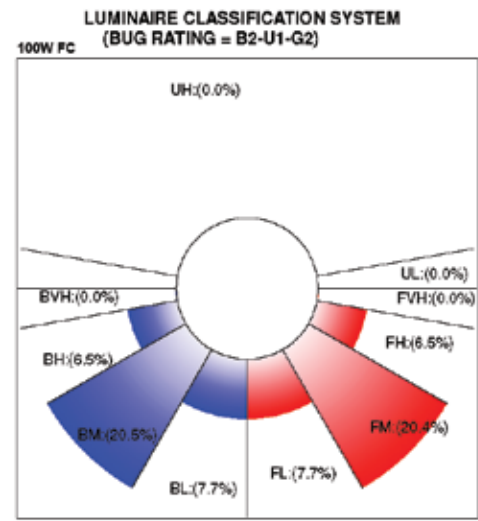
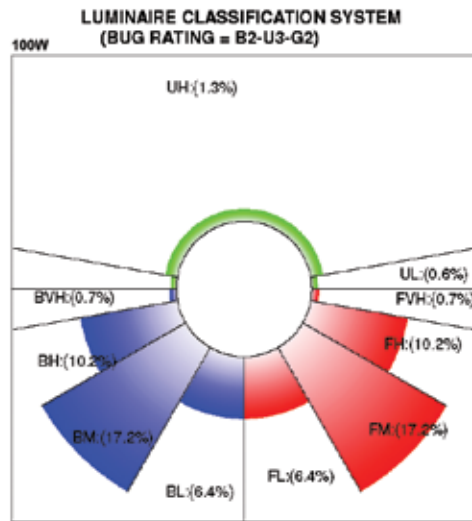
100W



100W Full Cut Off



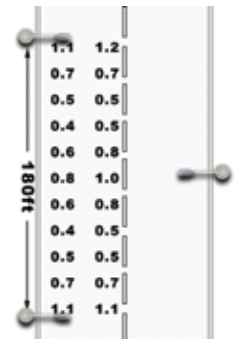
BUG Rating



Recommended Roadway Lighting

IES Recommended Spacing	100W
Local	365'
Collector	230'
Major	150'
Expressway/Freeway A	110'
Freeway B	160'

Grid Statistics	100W
Average	0.7fc
Max	1.2fc
Min	0.4fc
Max/Min	3.0
Avg/Min	1.80



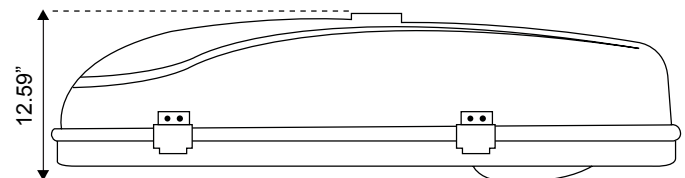
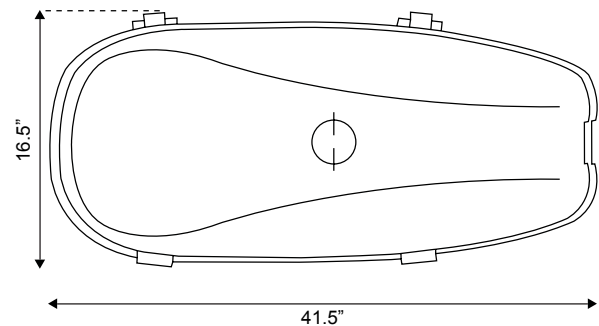


Description

- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-90 CRI
- IP Rating: IP54
- Applications: Freeway, highway, parking lots, public entrances, off-street areas
- EPA: 1.7ft²
- Warranty: 10 Year Limited

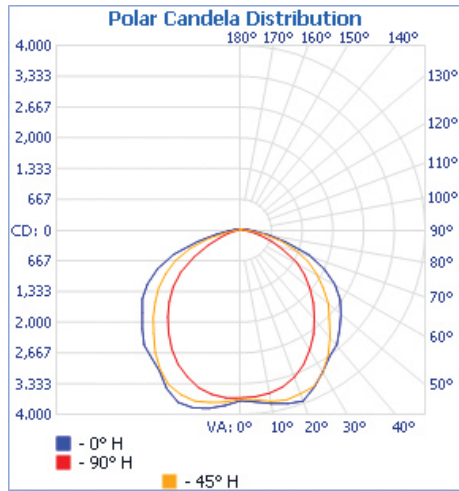
Specifications and Patented Features

- High pressure die cast aluminum alloy housing for corrosion resistance
- Tempered full cut-off glass lens and easy open fixture design
- Anodized aluminum reflector for optimal light distribution
- Twist-lock photocell for automatic on-off
- Electronic ballast with high power factor
- Excellent vibration & shock resistance
- Slip fit mounts to 1 1/2-2 3/8in. OD pole
- Type II light distribution



	L	W	H
40W-150W	31.54"	14.49"	7.68"
200W-250W	41.50"	16.50"	8.35"

200W



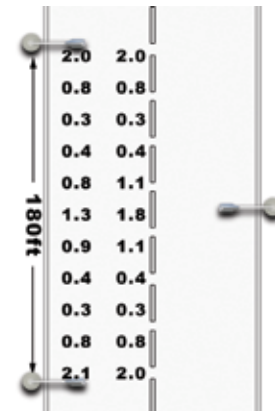
SUMMARY DATA

EFFICIENCY(Total):	63.9 %
EFFICIENCY (Downlight):	62.9 %
EFFICIENCY (Uplight):	1.0 %
ROADWAY CLASSIFICATION:	TYPE VS,
CUTOFF CLASSIFICATION:	CUTOFF
LUMENS/LAMP:	21750
NO. OF LAMPS:	1
LUMINOUS OPENING:	RECTANGULAR
Width:	0.70 (Meters)
Length:	0.40
Height:	0.50
INPUT WATTS:	263

Recommended Roadway Lighting

IES Recommended Spacing	100W
Local	220'
Collector	220'
Major	200'
Expressway/Freeway A	200'
Freeway B	200'

Grid Statistics	100W
Average	1.0fc
Max	2.1fc
Min	0.3fc
Max/Min	7.0
Avg/Min	3.3



Wellworth = 27



The Wellworth Cobra comes with an acrylic lens with Type III, medium throw prescription. The integrated heat sink system for extended life, makes this the perfect application for any freeway, highway, secondary roads and more. Includes a 10 year or 60,000 hours warranty.*

Available Wattages: 40w-150w

Charlevoix = 22



The Charlevoix Cobra comes with individual, isolated compartments protecting ballast, lamp and slip-fit mounting hardware. The specular reflector optimized for induction lamp geometry and tool-less entry for easy access makes this the perfect application for any freeway, secondary roads, parking lots and more.

Available Wattages: 40w-150w

Cape = 21



The Cape Cobra's tool-less entry for lamp and ballast compartments promotes easier installation and maintenance. The full cutoof design provides dark sky compliant light distribution and BUG ratings making this the perfect application for any secondary, collector, local road, walkways, parking lots and more.

Available Wattages: 40w-100w

Daytona = 25



The Daytona Cobra has a high pressure die cast aluminum alloy housing for corrosion resistance. Anodized aluminum reflector for optimal light distribution.. Perfect application for any freeway, highway, parking lots, public entrances, off-street areas and more.

Available Wattages: 40w-250w

* EverLast® Lighting, Inc. warrants that our fixtures, ballasts, and lamps will be free from defects in materials and workmanship for a period of ten (10) years or 60,000 hours (which ever comes first) from date of installation or date of manufacture if installation date is unknown. - See more at: <http://www.everlastlight.com/company/terms-and-conditions.html>

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

40W-250W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	KELVIN	PHOTOCELL
27	1) 120-120-277V	A) 40	3) Standard	S) Standard	50) 5000K	A) None
22	2) 347-347V*	B) 55	4) Bi-Level*		41) 4100K*	F) Twistlock*
21	3) 480-480V*	C) 70	5) Variable*			E) Blank Photocell*
25	5) 24v DC*	E) 80				D) 24v DC Photocell*
		F) 100				
		H) 120				
		J) 150				
		L) 200				
		M) 250				

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	KELVIN	PHOTOCELL
9X						

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-27-1-A-3-S-50-F



City of La Mesa, CA



SHOE BOX SERIES

100w Bi-Level Mondavi Shoe Box
School of Veterinary Medicine, UC Davis, CA



Description

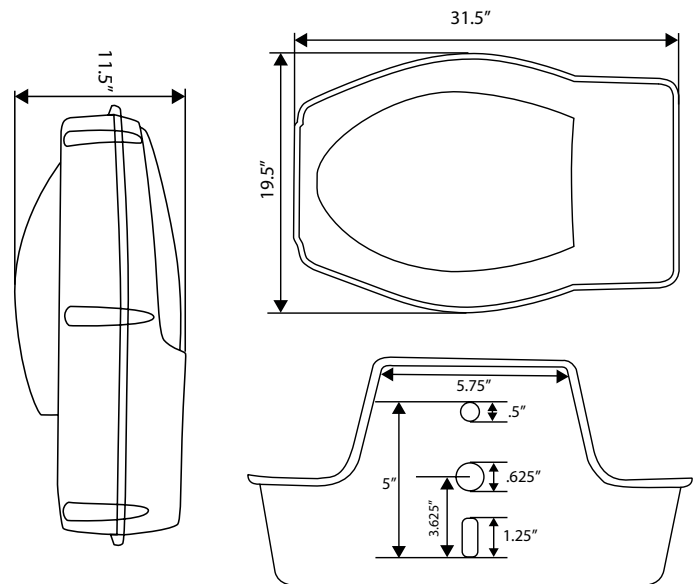
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP65
- Applications: Parking lot, athletic courts, and off road areas
- EPA: 1.7ft²
- Warranty: 10 Year Limited

Specifications and Patented Features

- Bi-Level Ballast option dims to 40% power for additional energy savings
- Specular reflector optimized for induction lamp geometry
- Integrated heat sink system for extended life
- Acrylic lens with Type IV prescription
- Full cutoff heavy duty aluminum/hybrid interior design with increased durability for harsh environments
- Excellent vibration & shock resistance
- Fixture body 80% recycled polycarbonate resin



*Protected by U.S. Patents No. D636,526; D636,518; D638,162. Additional Patents Pending

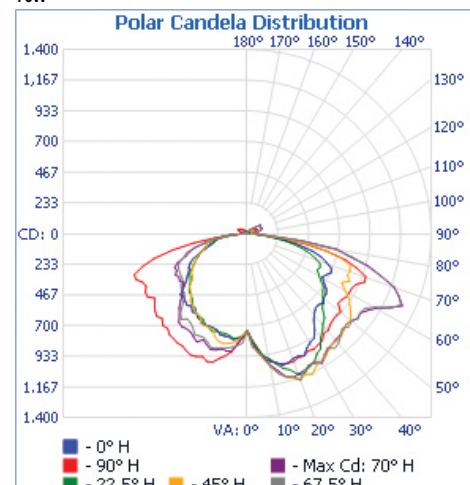


Washington Market, Indianapolis, IN



University of California, Davis, CA

70W



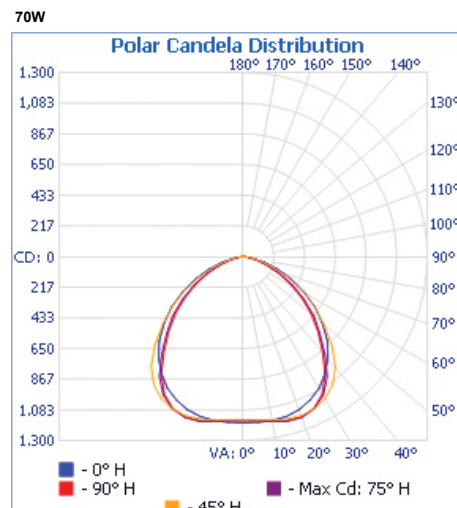
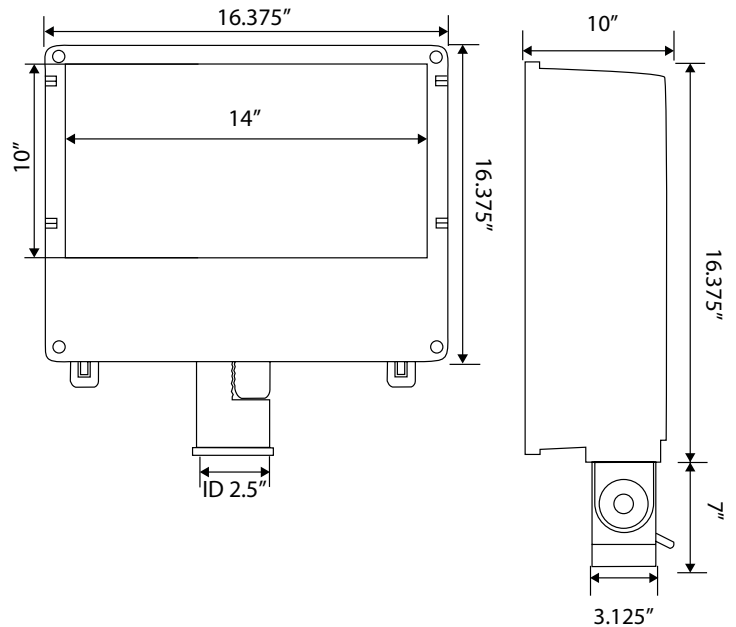


Description

- Lamp Life Rating: 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP54
- Applications: Parking lots, billboards, athletic courts
- EPA: 1.4ft²
- Warranty: 10 Year Limited

Specifications and Patented Features

- Bi-Level Ballast option dims to 40% power for additional energy savings
- Die cast aluminum housing with bronze powder coat finish for corrosion-resistance
- Tempered glass lens for increased strength
- Anodized aluminum reflector designed to optimize light distribution
- Electronic ballast with high power factor
- Excellent vibration & shock resistance
- Type V short distribution

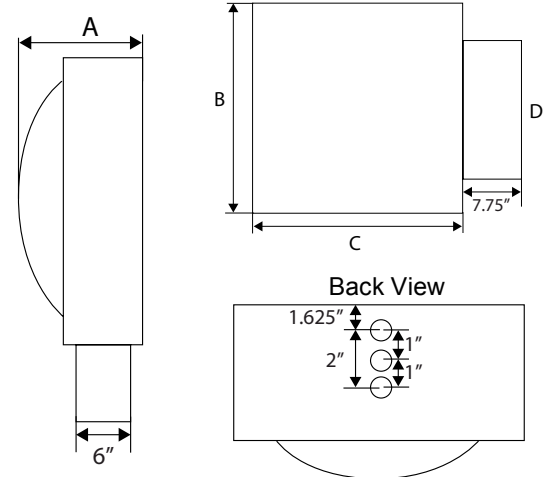


Description

- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-90 CRI
- IP Rating: IP54
- Applications: Parking lots, plazas, shopping malls, athletic courts
- EPA: 1.9ft²
- Warranty: 10 Year Limited

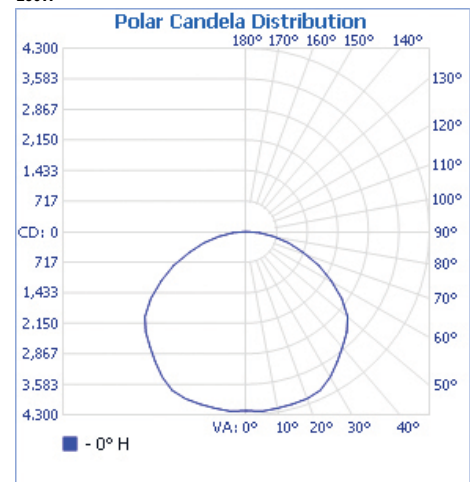
Specifications and Patented Features

- Welded aluminum housing with bronze powder coated finish for corrosion-resistance
- Anodized aluminum reflector designed to optimize light distribution
- Clear polycarbonate lens for increased strength
- Electronic ballast with high power factor
- Excellent vibration & shock resistance
- Type V distribution



	A	B	C	D
150w	8.86"	21.57"	21.69"	12.25"
200w	8.86"	21.57"	21.69"	12.25"
250w	10.04"	22.76"	22.87"	12.25"
300w	10.04"	22.76"	22.87"	12.25"

250W



Mondavi = 26



The Mondavi Shoe Box has a Bi-Level Ballast option that can dim to 40% power for additional energy savings. The full cutoff heavy duty aluminum/hybrid interior design with increased durability for harsh environments, makes this the perfect application for any parking lot, athletic courts, off road areas and more.

Available Wattages: 40w-150w

Classic D = 24



The Classic Shoe Box D has a die cast aluminum housing with bronze powder coat finish for corrosion-resistance. Tempered glass lens for increased strength and anodized aluminum reflector designed for optimized light distribution makes this the perfect application for any parking lots, billboards, athletic courts and more.

Available Wattages: 40w-100w

Classic C = 23



The Classic Shoe Box C comes with clear tempered glass or optional polycarbonate lens. The electronic ballast with high power factor and excellent vibration and shock resistance makes this the perfect application for any parking lots, plazas, shopping malls, athletic courts and more.

Available Wattages: 150w-300w

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

40W-150W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	MOUNTING	PHOTOCELL
26	1) 120-120-277V 2) 347-347V* 3) 480-480V* 5) 24v DC*	A) 40 B) 55 C) 70 E) 80 F) 100 H) 120 J) 150	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	50) 5000K 41) 4100K*	B) EMH-KSF C) EMH-KSM I) EMH-US-R J) EMH-US-S	A) None F) Twistlock

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	MOUNTING	PHOTOCELL
9X							

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-26-1-A-3-S-50-B-F

40W-100W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	MOUNTING	PHOTOCELL
24	1) 120-120-277V 2) 347-347V* 3) 480-480V*	A) 40 B) 55 C) 70 E) 80 F) 100	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	50) 5000K 41) 4100K*	B) EMH-KSF C) EMH-KSM F) EMH-SC-RA G) EMH-SC-SA O) EMH-ESB-Yoke	A) None B) Button 120v C) Button 208v-277v

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	MOUNTING	PHOTOCELL
9X							

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-24-1-A-3-S-50-B-F

150W-300W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	MOUNTING	PHOTOCELL
23	1) 120-120-277V 2) 347-347V* 3) 480-480V*	J) 150 L) 200 M) 250 N) 300	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	50) 5000K 41) 4100K*	B) EMH-KSF C) EMH-KSM D) EMH-LC-R E) EMH-LC-S O) EMH-ESB-Yoke	A) None F) Twistlock

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	MOUNTING	PHOTOCELL
9X							

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-23-1-J-3-S-50-B-F



WALKWAY SERIES



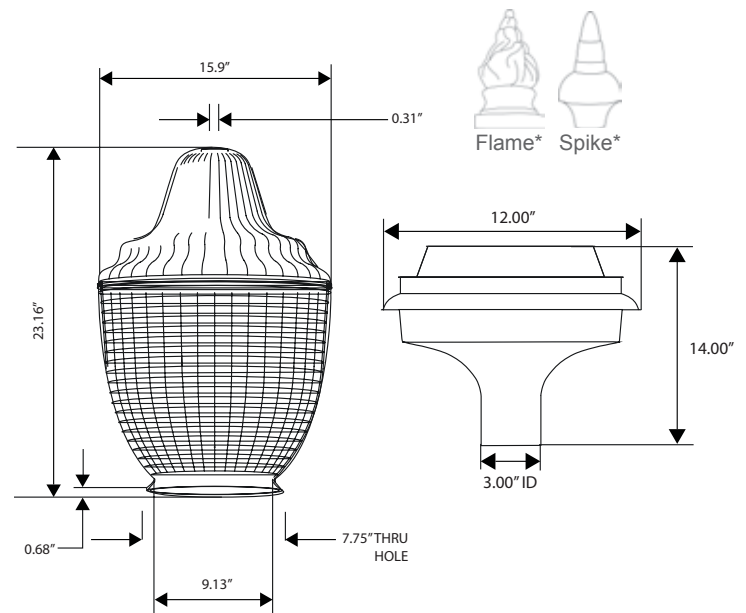
*Patent Pending

Description

- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP54
- Applications: Parks, shopping malls, outlets, plazas, city halls, historic areas
- Warranty: 10 Year Limited

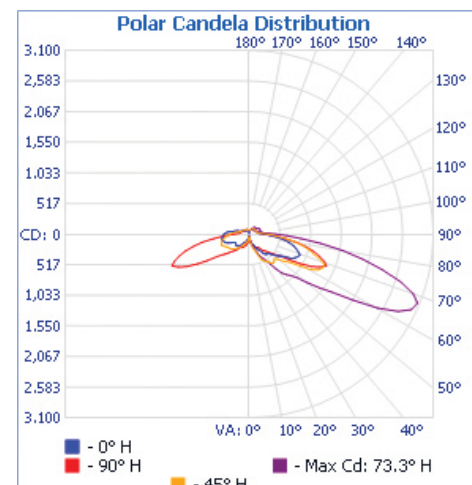
Specifications and Patented Features

- Premium acrylic prismatic top or optional polycarbonate
- Type III or V prismatic refractor optics
- Enhanced UV packages for long term performance
- Excellent lighting uniformity and distribution due to superior optics design
- Stainless Steel clamp and aluminum neck ring
- Excellent vibration and shock resistance



Betsy Butterfield Park, Jackson, MI

70W Type III



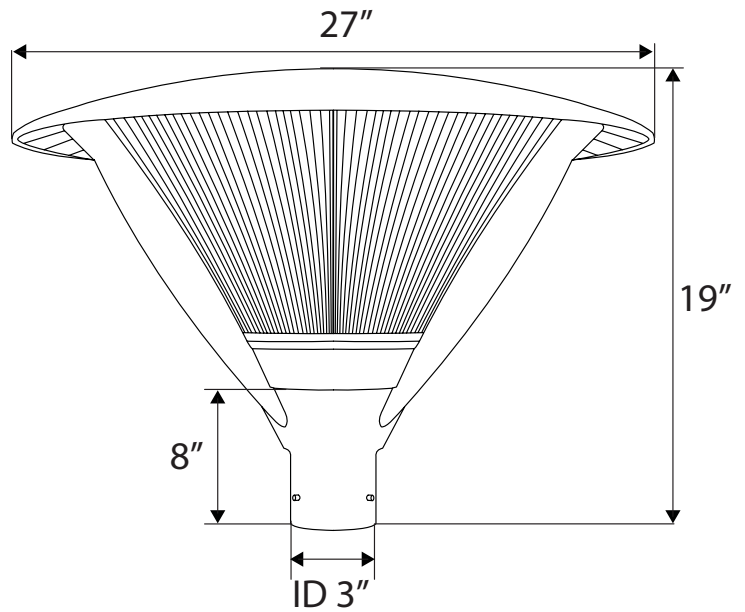


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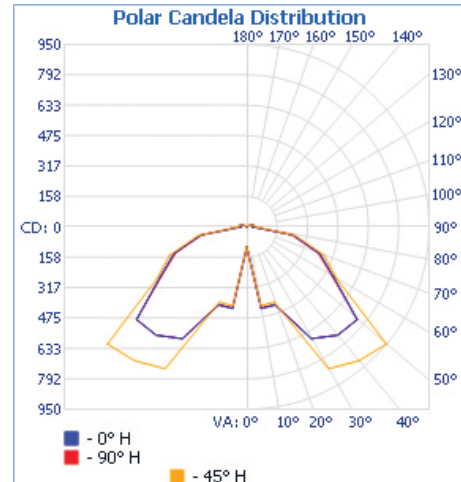
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 85 CRI
- IP Rating: IP54
- Applications: Parks, shopping malls, plazas
- Warranty: 10 Year Limited

Specifications and Patented Features

- Excellent lighting uniformity and distribution due to superior optics design
- Diffused Acrylic lens reduces glare while offering Type V distribution
- Die cast aluminum housing with weatherproof powder coat finish
- Overhanging fixture lid for optimal cutoff and dark sky integrity
- Rugged slip fit design for easy installation and high wind load rating



70W



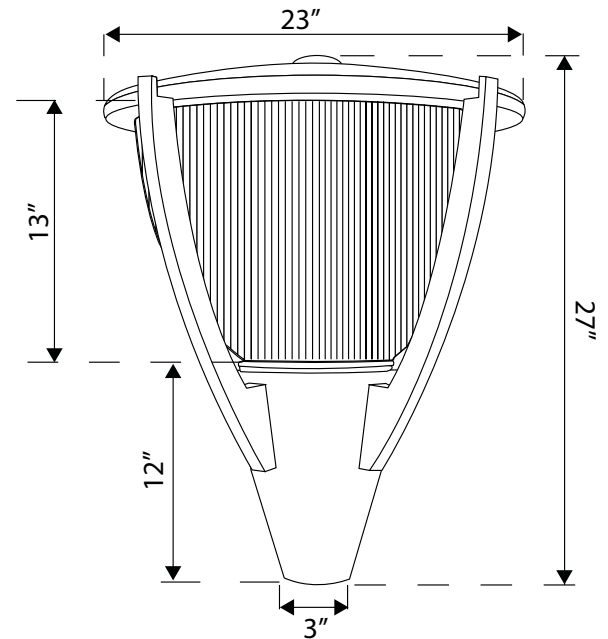


Description

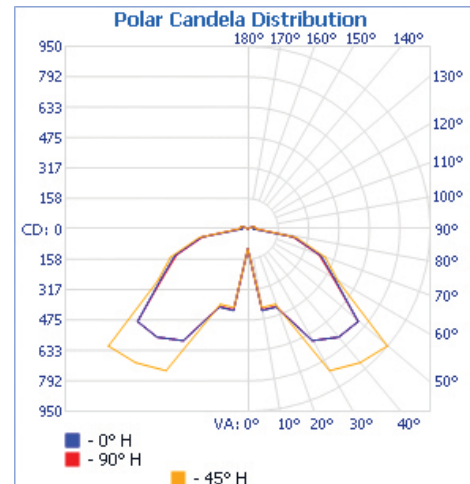
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: 54
- Applications: Parks, shopping malls, outlets, plazas, city halls, historic areas, city sidewalks
- Warranty: 10 Year Limited

Specifications and Patented Features

- Modern fixture design with corrosion resistant powder coated aluminum alloy housing
- Diffused prismatic lens provides effective light distribution and reduced glare
- Integrated light lid reduces high beam angle and promotes dark sky integrity
- Induction lamp geometry ideal for even Type V distribution
- Electronic ballast with high power factor
- Excellent vibration and shock resistance



70W



Acorn (Type III Distribution) = 1

Acorn (Type V Distribution) = 36



The Acorn Walkway comes with enhanced UV packages for long term performance. The excellent lighting uniformity and distribution due to superior optics design makes this the perfect application for any parks, shopping malls, outlets, plazas, city halls, historic areas and more.

Available Wattages: 40w-100w

Contemporary = 2



The Contemporary Walkway has a diffused Acrylic lens for reducing glare while offering Type V distribution. The die cast aluminum housing with weatherproof powder coat finish makes this the perfect application for any parks shopping malls, plazas and more.

Available Wattages: 40w-100w

Modern = 4



The Modern Walkway has corrosion resistant powder coated aluminum alloy housing. The integrated light lid reduces high beam angle and promotes dark sky integrity making this the perfect application for any parks, shopping malls, outlets, plazas, city halls, historic areas, city sidewalks and more.

Available Wattages: 40w-100w

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

40W-100W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	KELVIN	FINIALS
1	1) 120-120-277V	A) 40	3) Standard	S) Standard	50) 5000K	7) None
36	2) 347-347V*	B) 55	4) Bi-Level*		41) 4100K*	8) Flame*
2	3) 480-480V*	C) 70	5) Variable*			9) Spike*
4	5) 24v DC*	E) 80				
		F) 100				

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	KELVIN	FINIALS
9X						

Bold = Standard

Grey * = Upgrade options available upon request

Grey † = Upgrade option only for Acorn Walkway

Example: 9X-2-1-A-3-S-A-41-8



Grove Pointe, Sarasota, FL



100w Bi-Level Davenport Garage
South Entry Parking Garage, UC Davis, CA

GARAGE SERIES



Description

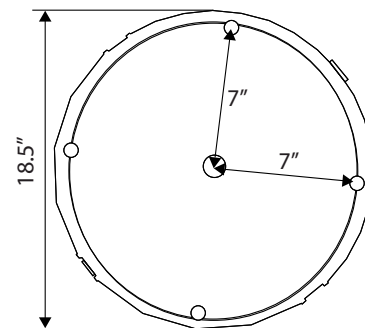
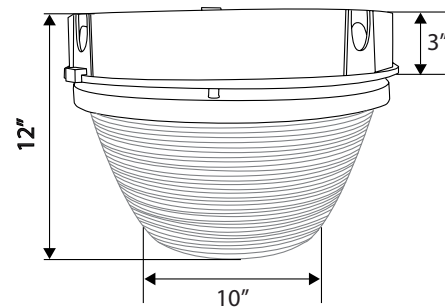
- Lamp Life Rating: 100,000 hours
- Light Output: 5000K, 85 CRI
- IP Rating: IP65
- Applications: Parking garages, gas stations, canopies
- Warranty: 10 Year Limited

Specifications and Patented Features

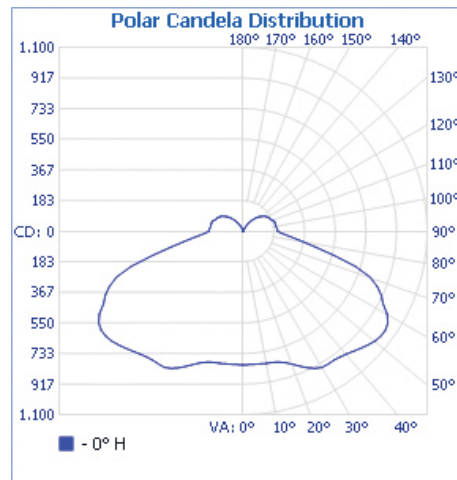
- Bi-Level Ballast option dims to 40% power for additional energy savings
- Engineered optics provide uniform distribution and decreased levels of driver / pedestrian glare
- Heat sink technology and isolated ballast compartment
- Modular construction for easy installation and maintenance
- Die cast aluminum housing with powder coat finish for corrosion resistance



*Patent Pending



70W



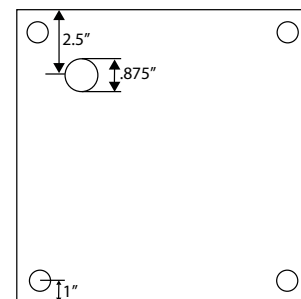
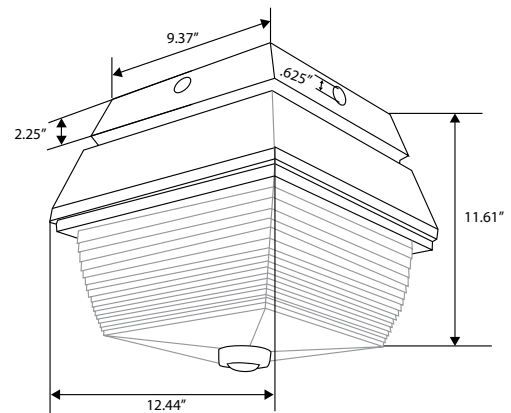


Description

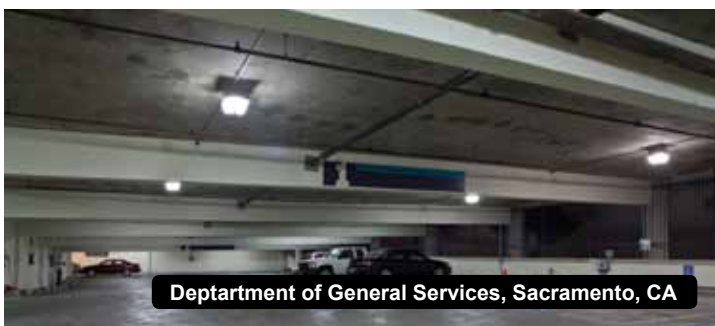
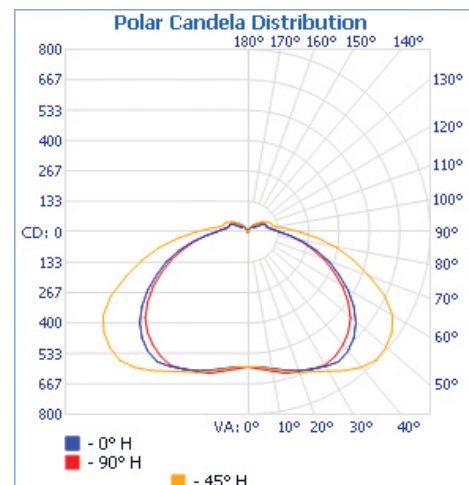
- Lamp Life Rating: 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP43
- Applications: Parking garages, gas stations, schools, shopping malls
- Warranty: 10 Year Limited

Specifications and Patented Features

- Bi-Level Ballast option dims to 40% power for additional energy savings
- Die cast aluminum housing with bronze powder coat finish for corrosion-resistance
- UV stabilized, heat resistant polycarbonate lens
- Lightweight and compact structure for easy maintenance
- Electronic ballast with high power factor
- Excellent vibration & shock resistance
- Isolated ballast compartment



70W





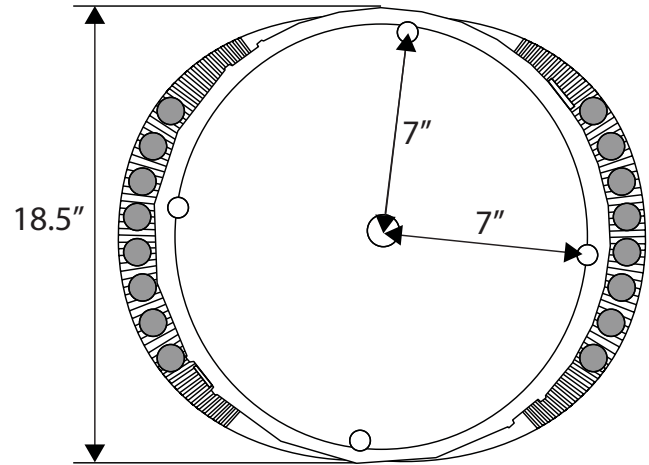
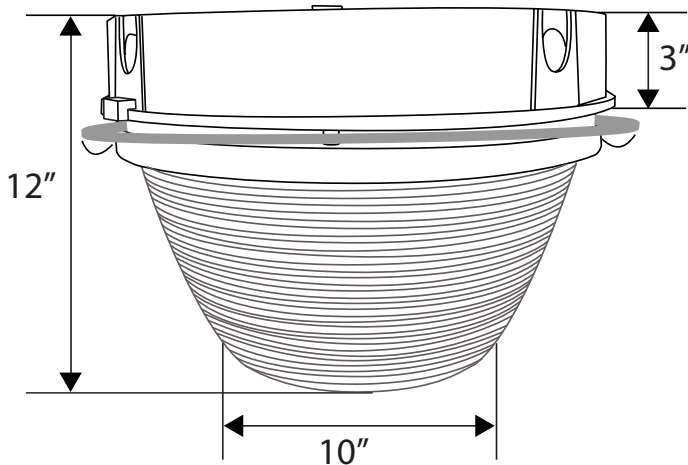
*Patent No. 4,132,592

Description

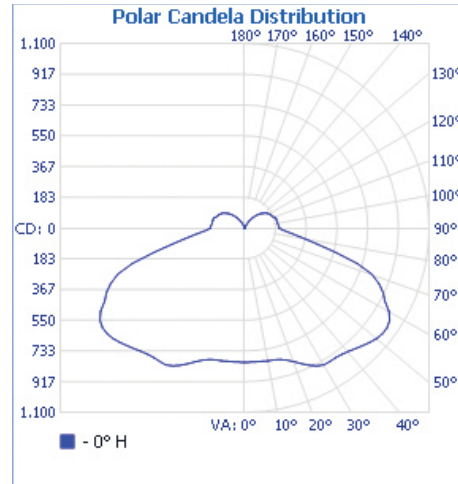
- Lamp Life Rating: 100,000/50,000 hours
- Light Output: 5000K, 82-85 CRI Induction
- IP Rating: IP65
- Applications: Parking garages, gas stations, canopies
- Warranty: 10/5 Year Limited

Specifications and Patented Features

- BioLume® Amber LED lights are Dark-Sky and Animal Friendly
- Engineered optics provide uniform distribution and decreased levels of driver / pedestrian glare
- Heat management system includes heat sink technology and isolated ballast compartment
- Modular construction for easy installation and maintenance
- Die cast aluminum housing with powder coat finish for corrosion resistance



70W



In collaboration with the California Lighting Technology Center (CLTC) at UC Davis, EverLast® Lighting, Inc. introduces its newest line of innovative lighting fixtures -The BioLumē™ Series. The new patented lighting series is a collection of hybrid bi-level fixtures that utilize a 5000K induction lamp and amber LEDs, coupled with occupancy sensor controls. When the area is vacant, amber-colored LEDs emit biologically-friendly light. When the sensor is triggered, the induction lamp turns on to provide bright white light for enhanced security.

Typically, for 50% - 75% of the hours of operation the BioLumē™ will be operating within the amber part of the spectrum at a greatly reduced intensity, away from the critical action spectrum in terms of hormonal response for humans and other mammals, reptiles, and birds.

The total amount of light flux entering the sky and disrupting natural wildlife in areas adjacent to the parking and area lighting complexes can have a disruptive effect on wildlife in a similar manner to what is currently being studied with humans. Due to the incorporation of EverLast® Induction Lighting technology and amber LEDs, coupled with a bi-level occupancy sensor, the BioLumē™ Series is a biologically-friendly, energy-efficient hybrid lighting system. This new line of fixtures will include a U.S. garage, U.S. shoe box, wall pack, and canopy light.

Davenport = 12



The Davenport Garage has a Bi-Level Ballast option that dims to 40% power for additional energy savings. The engineered optics provide uniform distribution and decreased levels of driver or pedestrian glare. Perfect application for any parking garages, gas stations, canopies and more.

Available Wattages: 40w-120w

Classic = 11



The Classic Garage has a UV stabilized, heat resistant polycarbonate lens. The isolated ballast compartment and lightweight, compact, structure for easy maintenance makes this the perfect application for any parking garages, gas stations, schools, shopping malls and more.

Available Wattages: 40w-100w

BioLume® = 10



The BioLume® Garage comes with Amber LED lights for Dark Sky and Animal Friendly light. The Heat management system includes heat sink technology and isolated ballast compartment. Making this the perfect application for any parking garages, gas stations, canopies and more.

Available Wattages: 40w-100w

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

40W-120W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	POWER WHIP	KELVIN	PHOTOCELL	GUARD
12	1) 120-120-277V	A) 40	3) Standard	S) Standard	A) None	50) 5000K	A) None	A) None
11	2) 347-347V*	B) 55	4) Bi-Level*		B) 120-277v 6' 3 prong	41) 4100K*	B) Button 120v*	G) Wireguard*
10	3) 480-480V*	C) 70	5) Variable*		C) 6' NEMA L5-15 120v		C) Button 208v-277v*	
	5) 24v DC*	E) 80			D) 6' NEMA L6-30 240v twistlock			
		F) 100			E) 6' NEMA L7-15 277v twistlock			
		H) 120						

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	POWER WHIP	KELVIN	PHOTOCELL	GUARD
9X								

Bold = Standard

Grey * = Upgrade options available upon request

Grey † = Upgrade option only for Classic Garage

Example: 9X-12-1-A-3-S-A-41-A-A



UC Davis, CA



EXTERIOR SERIES

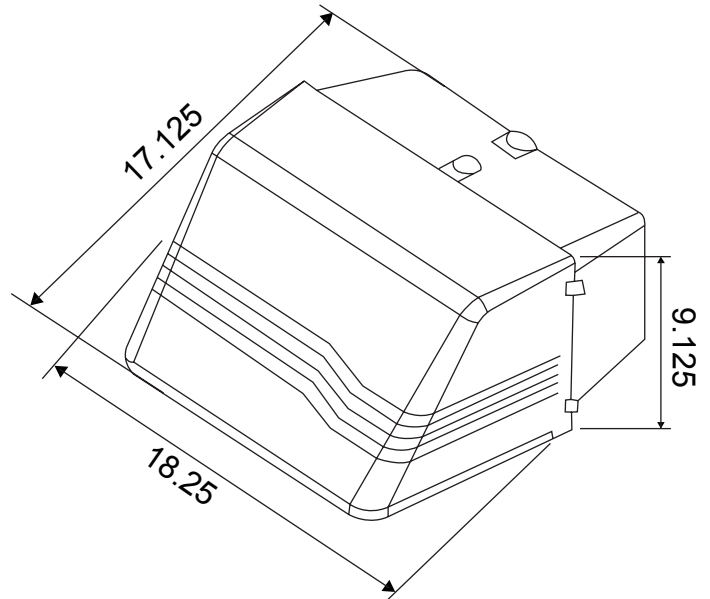


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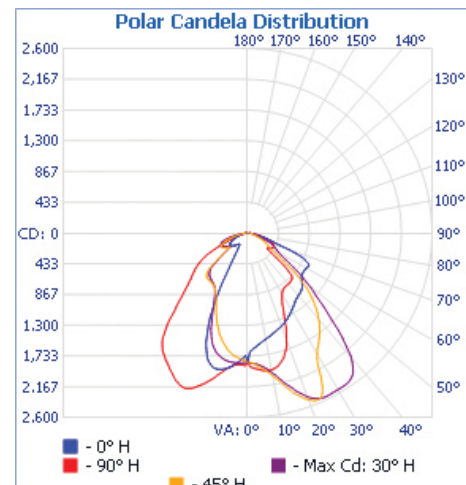
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP54
- Applications: Security lighting, buildings, parking lots, schools, and shopping centers
- Warranty: 10 Year Limited

Specifications and Patented Features

- Bi-Level Ballast option dims to 40% power for additional energy savings
- Die cast aluminum housing with bronze, white or black powder coat finish for corrosion-resistance
- Tempered flat clear glass lens for increased strength
- Lightweight and compact structure for easy maintenance
- Electronic ballast with high power factor
- Excellent vibration & shock resistance



100W

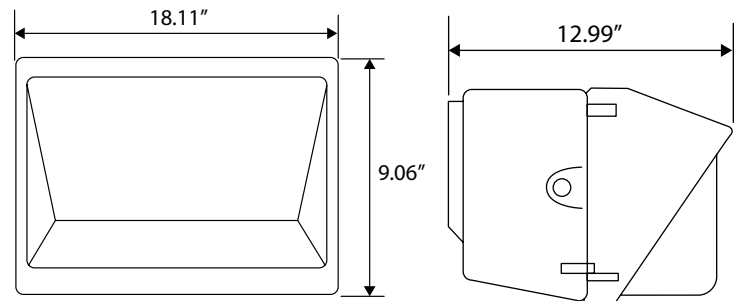


Description

- Lamp Life Rating: 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP54
- Applications: Security lighting, buildings, parking lots
- Warranty: 10 Year Limited

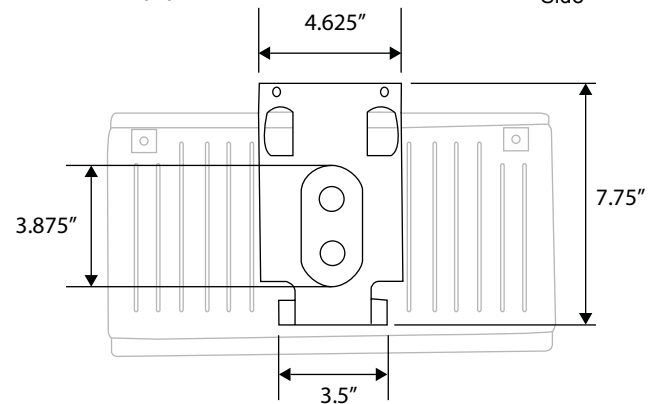
Specifications and Patented Features

- Bi-Level Ballast option dims to 40% power for additional energy savings
- Die cast aluminum housing with bronze powder coat finish for corrosion-resistance
- Tempered glass lens and anodized aluminum reflector
- Electronic ballast with high power factor
- Excellent vibration & shock resistance



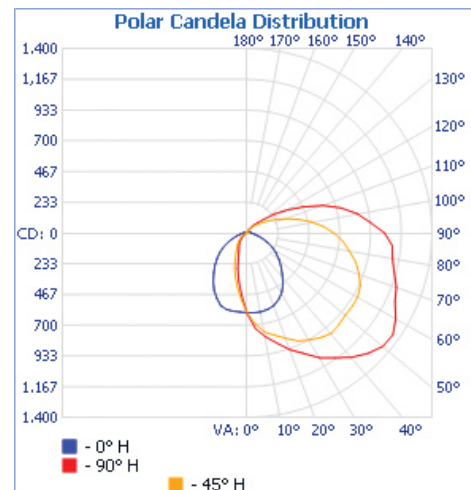
Front

Side



Back

70W



Full Spectrum Solutions, Jackson MI



70-100W



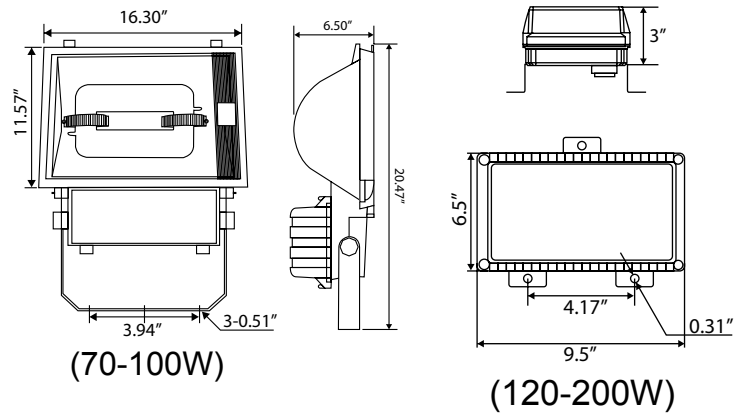
120-200W

Description

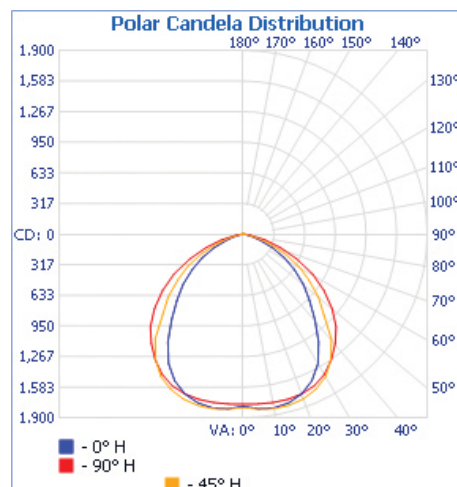
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP65
- Applications: Billboards, buildings, parks, pools, parking lots, athletic courts, plazas
- Warranty: 10 Year Limited

Specifications and Patented Features

- Die cast aluminum housing with black powder coated finish for corrosion-resistance
- Tempered glass lens and anodized aluminum reflector designed to optimize light distribution
- Gas-tight silicon rubber seal made for wet locations
- Electronic ballast with high power factor
- Excellent vibration & shock resistance



100W



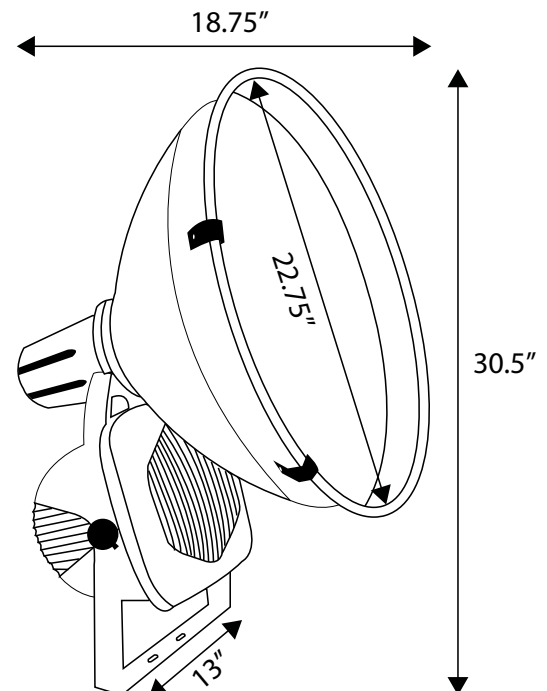


Description

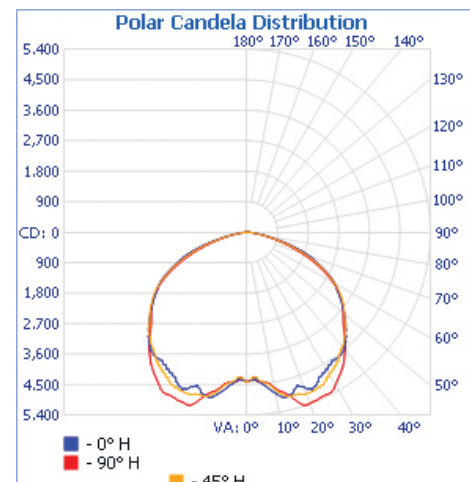
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP65
- Applications: Billboards, buildings, parks, pools, parking lots, athletic courts, plazas
- Warranty: 10 Year Limited

Specifications and Patented Features

- Die cast aluminum housing with powder coated finish for corrosion-resistance
- Tempered glass lens and anodized aluminum reflector designed to optimize light distribution
- Gas-tight silicon rubber seal made for wet locations
- Electronic ballast with high power factor
- Excellent vibration & shock resistance



250W



Classic = 6



The Classic Wall Pack has a die cast aluminum housing with bronze powder coat finish for corrosion-resistance. The tempered glass lens and anodized aluminum reflector makes this the perfect application for security lighting, buildings, parking lots and more.

Available Wattages: 40w-150w

Full Cutoff = 8



The Full Cutoff Wall Pack's lightweight and compact structure makes for easy maintenance. The electronic ballast with high power factor and excellent vibration and shock resistance make this the perfect application for security lighting, buildings, parking lots, schools, shopping centers and more.

Available Wattages: 40w-150w

Classic Flood = 7



The Classic Flood Light comes with die cast aluminum housing with black powder coated finish for corrosion-resistance. The gas-tight silicon rubber seal is made for wet locations. Making this the perfect application for billboards, buildings, parks, pools, parking lots, athletic courts, plazas and more.

Available Wattages: 70w-200w

Spot/Flood = 9



The Spot/Flood has tempered glass lens and anodized aluminum reflector designed to optimize light distribution. The gas-tight silicon rubber seal made for wet locations makes this the perfect application for billboards, buildings, parks, pools, parking lots, athletic courts, plazas and more.

Available Wattages: 150w-250w

Available for upward or downward applications

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

40W-150W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	PHOTOCELL	GUARD
6 8	1) 120-120-277V 2) 347-347V* 3) 480-480V* 4) 24v DC*	A) 40 B) 55 C) 70 E) 80 F) 100 H) 120 J) 150	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	50) 5000K 41) 4100K*	A) None B) Button 120v* C) Button 208v-277v*	A) None D) Vandal Shield* E) Wireguard* ¹

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	PHOTOCELL	GUARD
9X — ○ — ○ — ○ — ○ — ○ — □ — □ — □							

Bold = Standard

Grey * = Upgrade options available upon request

Grey¹ = Upgrade option only for Classic Wall Pack

Example: 9X-8-1-A-3-S-50-B-A

70W-200W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	PHOTOCELL	MOUNTING
7	1) 120-120-277V 2) 347-347V* 3) 480-480V*	C) 70 E) 80 F) 100 H) 120 J) 150 L) 200	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	50) 5000K 41) 4100K*	A) None B) Button 120v* C) Button 208v-277v*	N) None M) EMH-PUR-0138*

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	PHOTOCELL	MOUNTING
9X — ○ — ○ — ○ — ○ — ○ — □ — □ — □							

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-7-1-C-3-S-50-A-M

150W-250W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	PHOTOCELL	MOUNTING	ORIENTATION
9	1) 120-120-277V 2) 347-347V* 3) 480-480V*	J) 150 L) 200 M) 250	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	50) 5000K 41) 4100K*	A) None B) Button 120v* C) Button 208v-277v*	N) None M) EMH-PUR-0138*	U) UPWARD* D) DOWNWARD*

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PCKG.	KELVIN	PHOTOCELL	MOUNTING	ORIENTATION
9X — ○ — ○ — ○ — ○ — ○ — □ — □ — □ — □								

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-9-1-J-3-S-50-41-A-N-U



100w Canopy/Freezer Light
PEMEX, Juarez, MEX

CANOPY/FREEZER SERIES

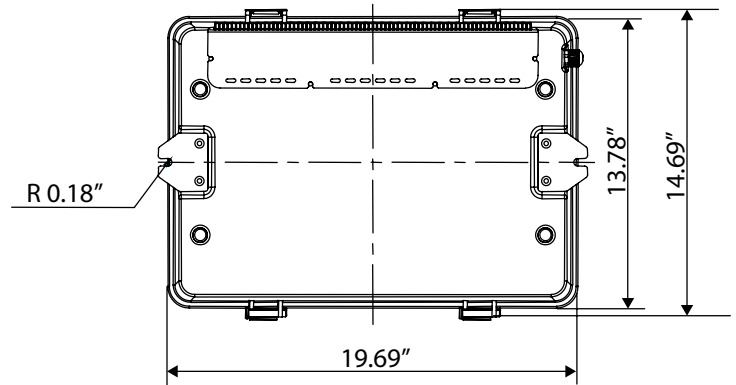
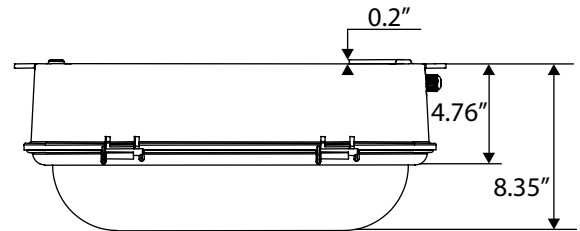


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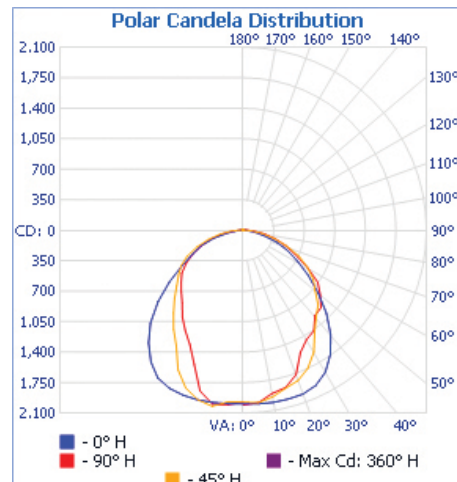
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-85 CRI
- IP Rating: IP65
- Applications: Billboards, buildings, parks, pools, parking lots, athletic courts, plazas
- Warranty: 10 Year Limited

Specifications and Patented Features

- Die cast aluminum housing with powder coated finish for corrosion-resistance
- Tempered glass lens and anodized aluminum reflector designed to optimize light distribution
- Gas-tight silicon rubber seal made for wet locations
- Electronic ballast with high power factor
- Excellent vibration & shock resistance



100W

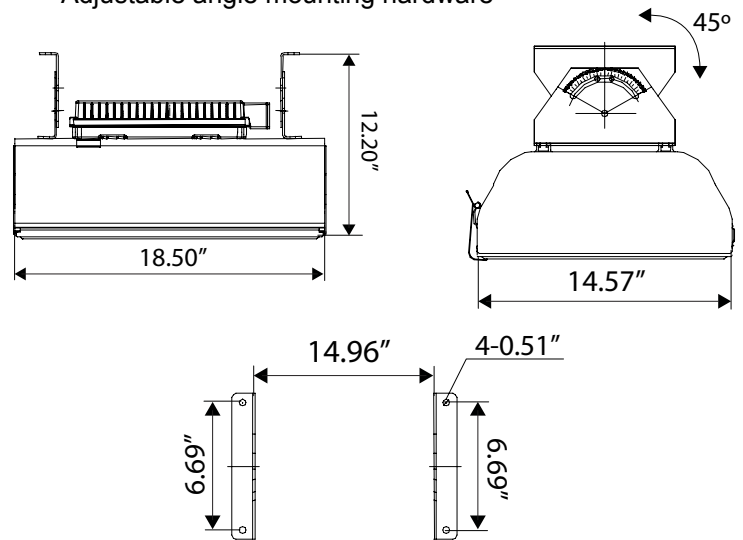


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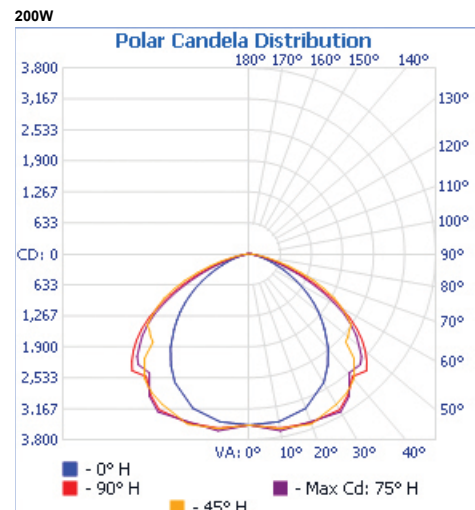
- Lamp Life Rating: 100,000 hours
- Lumen Maintenance: 70% over 100,000 hours
- Light Output: 5000K, 82-90 CRI
- IP Rating: IP65
- Applications: Dusty or wet environments, tunnels, bridges, anywhere an IP65 rating is needed
- Warranty: 10 Year Limited

Specifications and Patented Features

- Profiled aluminum housing with welded ends
- Tempered glass lens and easy open fixture design
- Anodized aluminum reflector for optimal light distribution
- Gas-tight silicon rubber seal made for wet locations
- Electronic ballast with high power factor
- Excellent vibration and shock resistance
- Adjustable angle mounting hardware



	A	B	C
70W-100W	18.50 (470)	14.57 (370)	14.96 (380)
120W-150W	21.65 (550)	14.57 (370)	15.75 (400)
200W-300W	27.95 (710)	14.57 (370)	19.69 (500)
400W	48.03 (1220)	14.57 (370)	27.56 (700)



Canopy/Freezer = 28



The Canopy/Freezer has an anodized aluminum reflector for optimized light distribution. Excellent vibration/shock resistance and clear tempered glass or optional polycarbonate lens makes this the perfect application for parking garages, gas stations, schools, shopping malls, coolers, freezers and more.

Available Wattages: 40w-150w

IP65 Rectangular = 29



The IP65 Rectangular High Bay comes with adjustable angle mounting and electronic ballast with a high power factor. The anodized aluminum reflector for optimal light distribution makes this the perfect application for any dusty or wet environments, tunnels, bridges, or anywhere an IP65 rating is needed.

Available Wattages: 70w-400w



Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

40W-150W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	POWER WHIP	KELVIN
28	1) 120-120-277V 2) 347-347V* 3) 480-480V*	A) 40 B) 55 C) 70 E) 80 F) 100 H) 120 J) 150	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	A) None B) 120-277v 6' 3 prong C) 6' NEMA L5-15 120v D) 6' NEMA L6-30 240v twistlock E) 6' NEMA L7-15 277v twistlock	50) 5000K 41) 4100K*

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	POWER WHIP	KELVIN
9X						

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-8-1-A-3-S-A-41

Place the appropriate item letter or number into the corresponding circles or boxes below to build out your fixture.

70W-400W Options

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	WIRE GUARD	POWER WHIP	KELVIN
29	1) 120-120-277V 2) 347-347V* 3) 480-480V*	C) 70 E) 80 F) 100 H) 120 J) 150 L) 200 M) 250 Q) 300 O) 400	3) Standard 4) Bi-Level* 5) Variable*	S) Standard	A) No Guard H) Wire Guard*	A) None B) 120-277v 6' 3 prong C) 6' NEMA L5-15 120v D) 6' NEMA L6-30 240v twistlock E) 6' NEMA L7-15 277v twistlock	50) 5000K 41) 4100K*

FIXTURE	VOLTAGE	WATTAGE	DRIVER	LUM. PKG.	WIRE GUARD	POWER WHIP	KELVIN
9X							

Bold = Standard

Grey * = Upgrade options available upon request

Example: 9X-29-1-M-3-S-A-B-41

Bi-Level Dimming

EverLast® patent-pending bi-level technology is ideal for applications that are unoccupied during parts of the night, yet security lighting is necessary for applications that include, parking garages, parking lots, and other areas. The bi-level ballast dims the light to 40% power when an area is vacant for a certain length of time and steps back up to 100% when the occupancy sensor is triggered by motion. EverLast® bi-level induction fixtures offer increased pedestrian and motorist safety and unsurpassed energy savings.

UC Santa Barbara Case Study

As part of a lighting demonstration, the University of California, Santa Barbara worked with the California Lighting Technology Center (CLTC) to install energy-efficient EverLast® Induction Bi-Level luminaires with wireless integrated photo- and motion- sensor controls on the second level of Lot 18 parking structure. The lighting demonstration was sponsored by the California Energy Commission's Public Interest Energy Research Program (PIER) to show how combining energy-efficient lighting technologies with SMART sensor controls can reduce energy and save money.

According to California Energy Commission's PIER; the average commercial building in California spends about 35% of its total electrical use on lighting systems. Lighting control systems are broadly acknowledged as offering large, near-term opportunities for energy savings.

By replacing 150w high pressure sodium canopy luminaires with EverLast® 70w induction bi-level garage luminaires, UC Santa Barbara has reduced energy demand by 900w and produces an annual energy savings of 12,790 kWh.



The EverLast® variable dimming technology can work in conjunction with both new and existing low voltage control systems. Variable dimming is an attractive solution for many indoor applications because fixtures can be dimmed to various intensity levels based on application, resulting in reduced energy consumption and lowered energy costs.

COBO Hall Case Study

Lighting is a significant operating expense for Cobo Convention Center in Detroit, Michigan, home to the North American International Auto Show. Exhibition areas are currently illuminated by more than 3,000 inefficient 400w metal halide high bays, with annual energy and maintenance costs pushing \$460,000.

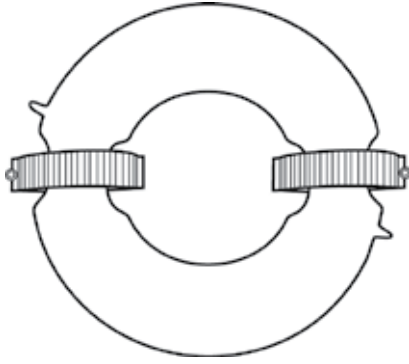
With the help of Smart Building funding, the regional authority that manages Cobo Center is planning a \$21 million energy saving construction program, which will include lighting, roofing and insulation upgrades. After accepting bids for nearly a year, Cobo's key decision-makers selected EverLast® Lighting to fulfill their need for energy-efficient lighting. By August 2011 Cobo Hall will have replaced 3,000 400w metal halide high bays with 250w EverLast® Induction aluminum high bays.

Cobo Center and EverLast® engineering teams partnered to develop a solution that worked in conjunction with the center's existing Johnson Controls system. Installing variable dimming high bays will enable the facility engineers to set the lights to show low, show high, and maximum mode depending on the needs for a specific tradeshow.

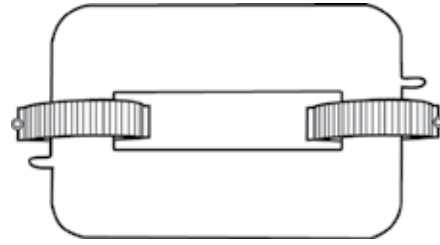
The center will save an estimated \$340,000 annually on energy and expected maintenance costs, resulting in an approximate \$5 million total lifetime savings.



EverLast® Variable Dimming



C-Lamp



D-Lamp

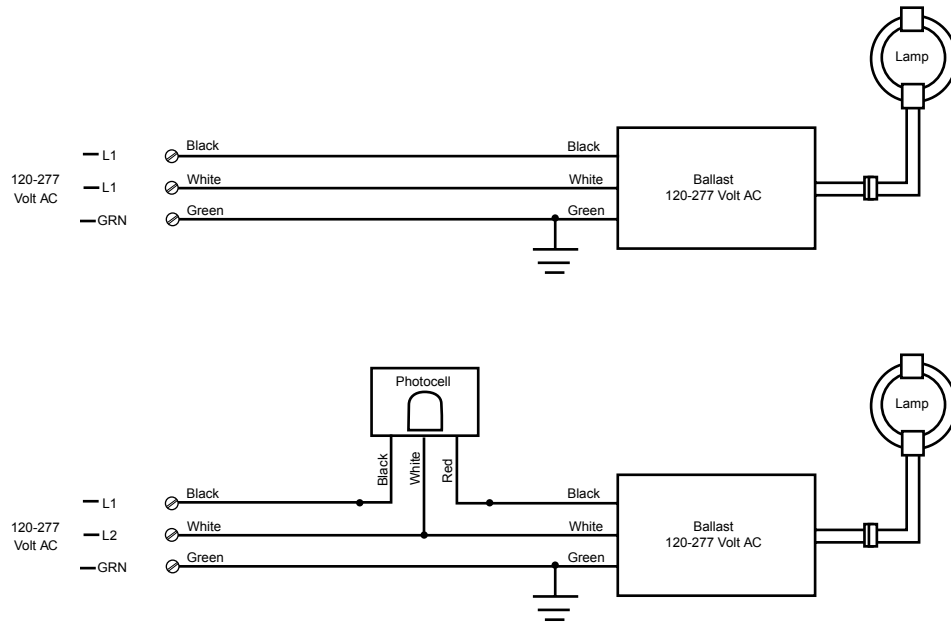
Lamp Specifications

Wattage (W)	C Lamp Available	D Lamp Available	Lumens (Lm)	CRI	CCT	Rated Life (Hours)
40	Yes	Yes	3,350	82-85	5000	100,000
55	Yes	Yes	4,650	82-85	5000	100,000
70	Yes	Yes	5,900	82-85	5000	100,000
80	Yes	Yes	7,150	82-85	5000	100,000
100	Yes	Yes	8,400	82-85	5000	100,000
120	Yes	Yes	10,100	82-85	5000	100,000
150	Yes	Yes	12,600	82-85	5000	100,000
200	Yes	Yes	16,800	82-85	5000	100,000
250	Yes	Yes	21,000	86-90	5000	100,000
300	Yes	Yes	25,200	86-90	5000	100,000
400	No	Yes	33,600	86-90	5000	100,000
500	Yes	No	40,350	86-90	5000	100,000

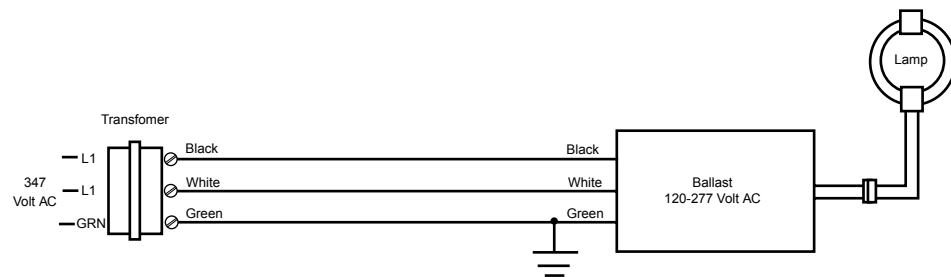
Ballast Specifications

Ballast	Input Power (W)	Input Voltage (V)	Input Current (A)	Input Frequency (Hz)	Power Factor (PF)	THD%
EB-40W	44	120-277 / 480	0.38-0.17A / 0.10A	50/60	>.95	<10
EB-55W	61	120-277 / 480	0.50-0.21A / 0.13A	50/60	>.95	<10
EB-70W	78	120-277 / 480	0.63-0.29A / 0.16A	50/60	>.95	<10
EB- 70W-BL	82.6/36.9	120-277 / 480	0.69-0.30A / 0.17A	50/60	>.95	<10
EB-80W	90	120-277 / 480	0.70-0.32A / 0.19A	50/60	>.95	<10
EB-100W	111	120-277 / 480	0.93-0.42A / 0.22A	50/60	>.95	<10
EB-100W-BL	118/58.5	120-277 / 480	.98-0.43A / 0.25A	50/60	>.95	<10
EB-120W	134	120-277 / 480	1.05-0.46A / 0.28A	50/60	>.95	<10
EB-120W-BL	141.6/70.1	120-277 / 480	1.18-0.51A / 0.30A	50/60	>.95	<10
EB-150W	165	120-277 / 480	1.35-0.61A / 0.35A	50/60	>.95	<10
EB-150W-BL	166/85	120-277 / 480	1.44-0.62A / 0.30A	50/60	>.95	<10
EB-200W	215	120-277 / 480	1.77-0.80A / 0.45A	50/60	>.95	<10
EB-250W	265	120-277 / 480	2.21-1.00A / 0.56A	50/60	>.95	<10
EB-300W	320	120-277 / 480	2.65-1.20A / 0.62A	50/60	>.95	<10
EB-400W	440	120-277 / 480	3.54-1.60A / 0.92A	50/60	>.95	<10
EB-500W	550	120-277 / 480	4.58-1.99A / 1.15A	50/60	>.95	<10

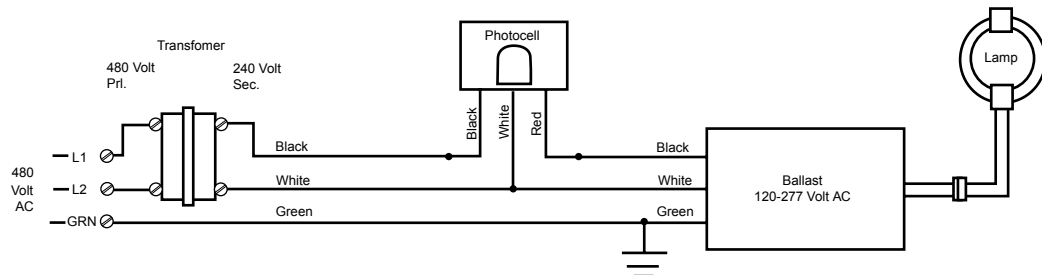
120-277V Wiring Diagram



347V Wiring Diagram



480V Wiring Diagram



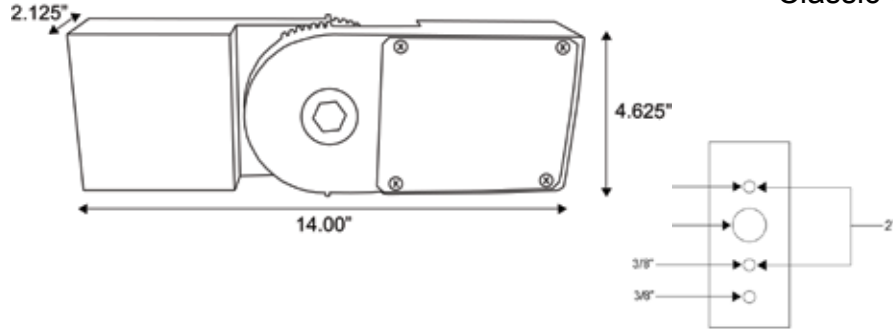
EMH-KSM-R & EMH-KSM-S Knuckle Mount

(mount for round pole)

(mount for square pole)

Features

- Bronze powder coat finish
- Corrosion resistant
- WT/LBS 6.5
- Heavy Duty
- Includes standard hardware



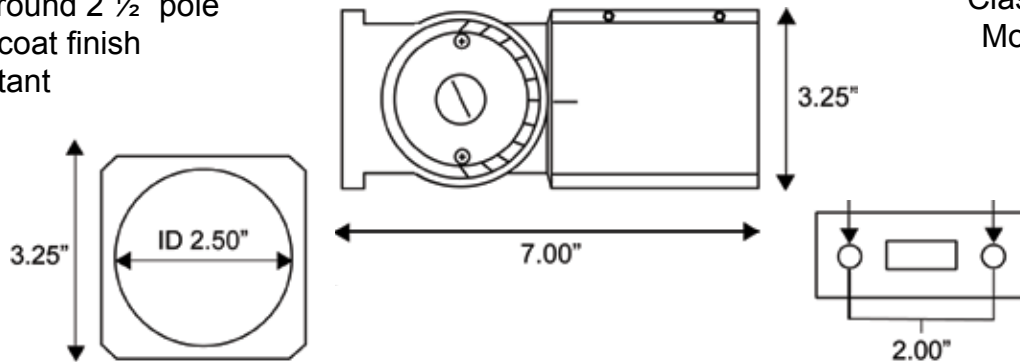
Compatible fixtures

Classic C Shoe Box

EMH-KSF Knuckle Slip Fit Mount

Features

- Mounting for a round 2 1/2" pole
- Bronze powdercoat finish
- Corrosion resistant
- WT/LBS 4
- Heavy Duty



Compatible fixtures

Classic C Shoe Box

Mondavi Shoe Box

EMH-US-R

(straight surface mount for round pole)

EMH-US-S

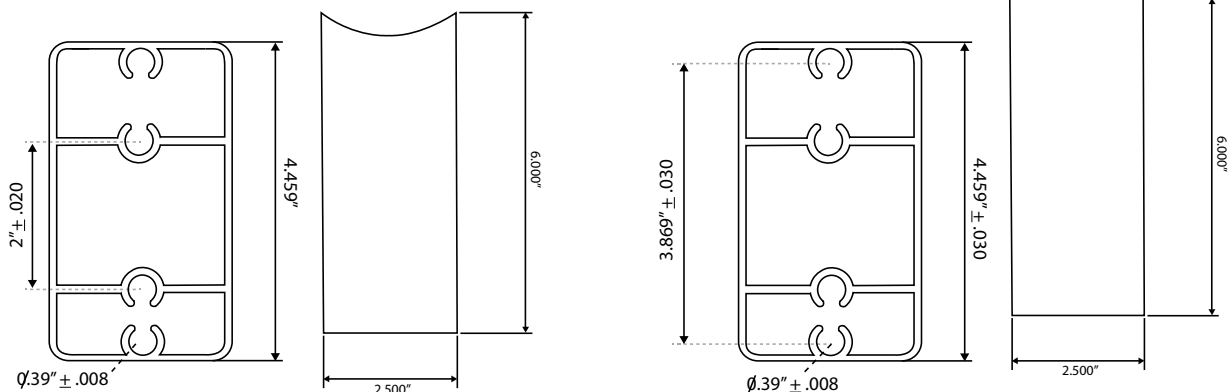
(straight surface mount for square pole)

Features

- Aluminum
- Bronze powder coat finish
- Corrosion resistant
- Heavy Duty
- WT/LBS 1

Compatible fixtures

Mondavi Shoe Box



EMH-SC

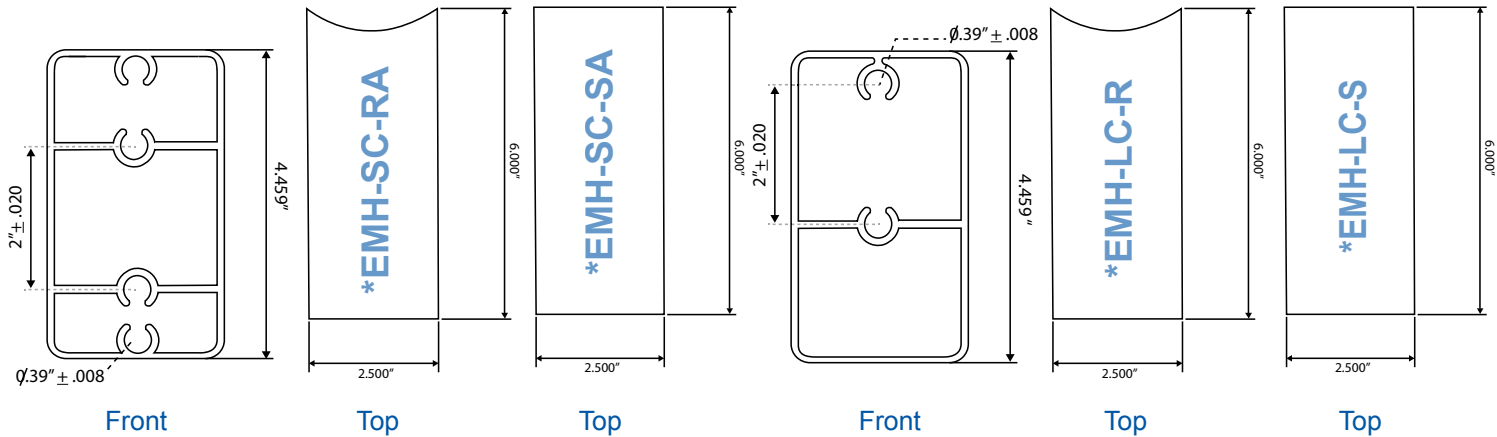
EMH-LC

Features

- Aluminum
- Heavy Duty
- Bronze powder coat finish
- Corrosion resistant
- WT/LBS 1

Compatible fixtures

Classic C Shoe Box
Classic D Shoe Box



(*straight surface mounts for square or round pole)

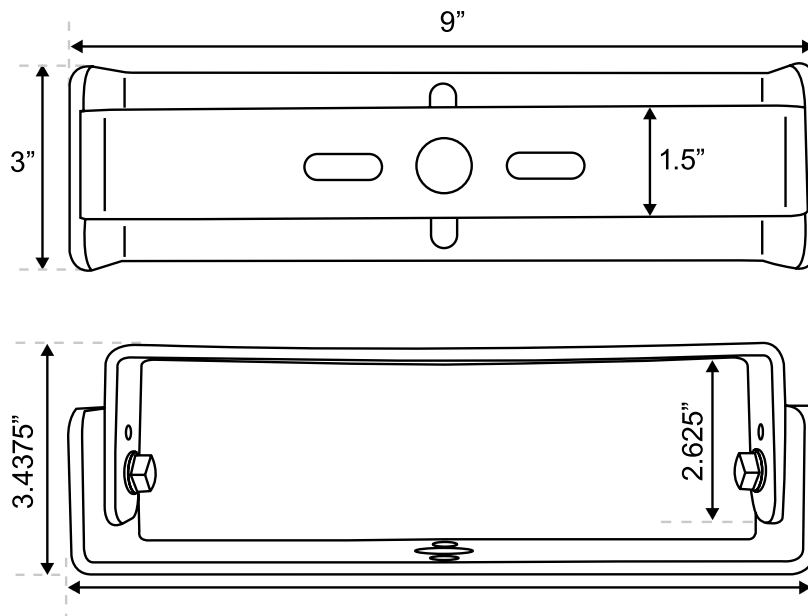
EMH-ESB Yoke

Features

- Steel
- Powder Coated Architectural Bronze
- Yoke position/angle locked in place
- Set Screw for added stability
- Pre-Drilled

Compatible fixtures

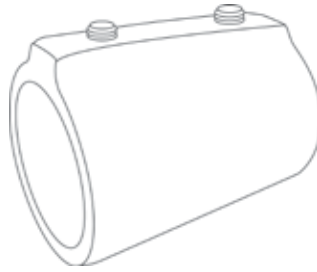
Classic C Shoe Box



EMH-CHC Coupler

Features

- Mounts to poles with an outside diameter that in less than 2"
- Heavy Duty



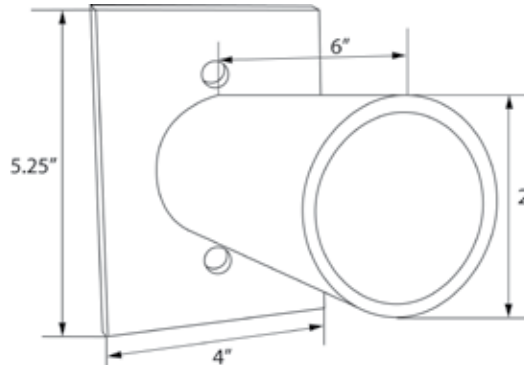
Compatible fixtures

Wellworth Cobra Head
Charlevoix Cobra Head

EMH-SSM

Features

- Outside Diameter: 2 3/8"
- Minimum 4" square pole or mounting surface
- Steel
- WT/LBS 4
- Primer Finish



Compatible fixtures

Wellworth Cobra Head
Charlevoix Cobra Head
Daytona Cobra Head
Cape Cobra Head
Classic D Shoe Box

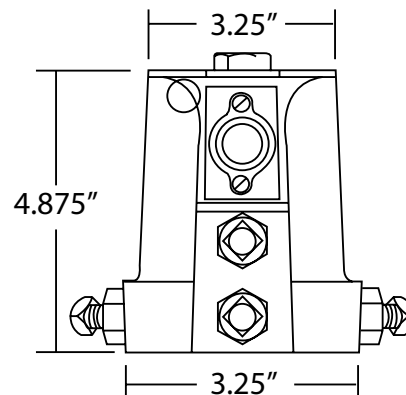
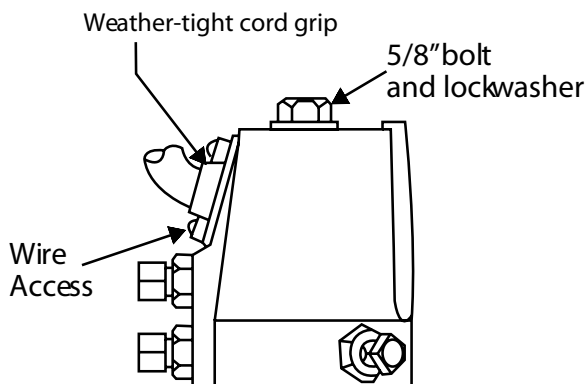
EMH-PUR-0138

Features

- Tenon mount slip fitter
- Cast Iron
- Powder coated black finish
- Weather tight cord grip
- Pre-Drilled

Compatible fixtures

Spot Flood Light



Lighting Research Partners and Affiliations

EverLast® Lighting works directly with research partners and testing facilities worldwide to bring the most innovative lighting solutions to the marketplace.

- University of California, California Lighting Technology Center
- Michigan Green, Group for a Renewable Energy-Efficient Nation
- AWEA, American Wind Energy Association
- American Lighting Association
- Alabama Power, Technical Applications Center
- NEMA, National Electrical Manufacturers Association
- IESNA, The Illuminating Engineering Society of North America
- Berkeley License, Berkeley National Laboratory
- SBIC, Sustainable Buildings Industry Council
- University of Michigan, Enhanced Spectrum Lab



Intertek



Testing and Certification

- Underwriters Laboratories, Inc.
- Underwriters Laboratories of Canada
- Intertek Electrical Testing Labs SEMKO
- Lighting Sciences, Inc.



Notable Clients

Government

United States Army at Fort Drum, New York
United States Air Force at Eglin, Florida
United States Air Force at Whiteman, Missouri
United States Coast Guard at Clearwater, Florida
United States Coast Guard at Mobile, Alabama
United States Navy at Pearl Harbor, Hawaii
United States Department of Agriculture
United States Marine Corps at Key West, Florida
Lockheed Martin
Mount Warfare Training Facility at Bridgeport, California
NASA at Houston, Texas
NASA at Wallops Island Virginia
Pine Bluff Arsenal, Pine Bluff, Arkansas
The American Embassy, Manila

Colleges and Universities

Bryan College, Bryan Tennessee
Howard University, Capital Heights Maryland
Humbolt College, Arcata California
Oakland University, Rochester, Michigan
Purdue University, West Lafayette Indiana
Queens College, Bronx New York
San Diego State University, San Diego California
Stanford University, Stanford California
University of Michigan, Ann Arbor Michigan
University of California, Davis California
University of California, Irvine California
University of California, San Francisco California
University of California, Santa Barbara California
Valdosta State, Valdosta Georgia

Municipalities

Maricopa County, Arizona
The City of Ann Arbor, Michigan
The City of Brockville, Ontario
The City of Chattanooga, Tennessee
The City of Columbia City, Indiana
The City of Davenport, Iowa
The City of Elko, Nevada
The City of Encinitas, California
The City of Marshall, Michigan
The City of Panama City Beach, Florida
The City of Richland, Oregon
The City of Sacramento, California
The City of San Diego, California
The City of Sanibel, Florida
The City of Santa Clarita, California
The City of Tulsa, Oklahoma
The City of Utica, New York

Companies and Organizations

3M
Baltimore Sun Newspaper
Chevron
Dana Corporation
Detroit Produce Terminal
Ford Motor Company
Graphics Packaging
Green Bay Packaging
Guardian Drug Company
Harley Davidson
Holiday Inn Express

Honda
Honeywell
Hyundai Motor Corporation
Jaguar
Johnson and Johnson
Johnson Controls
Kraft
LA Boxing Gym
Model A Fitness
Monsanto
New York Metropolitan Museum of Art
Orlando Bakery
Orlando Sentinel
Pepsi Cola
Planet Fitness
Trane
Universal Plastics
Volvo
Yuengling Brewery

Utilities, Agencies, and Laboratories

Alabama Power
Argonne National Laboratory
California Lighting Technology Center
Colorado Department of Transportation
Consumers Energy
Michigan Department of Transportation
The Technical Application Center of Alabama Power



EverLast® World Headquarters, Jackson MI

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