

Industrial
Commercial
Floodlighting
Wall Mount
Outdoor Area / Site
Motion Activated
Worklights

Indoor/Outdoor

Product Catalog









LUMARK combines craftsmanship and affordability in its full line of commercial and industrial high intensity discharge (HID) and compact fluorescent lighting products.



HID lighting applications often involve tasks, environments and surfaces of varying and demanding degrees.

LUMARK has the experience and product line to properly illuminate such complex applications; providing superior lighting for supermarkets, factories, warehouses and other industrial and commercial applications.

From industrial products to flood, motion activated, worklights and area lighting, Lumark answers difficult illumination problems with a wide range of quality products and superior technical support.





Federal Energy Independence & Security Act (EISA) Benefits of Pulse Start Metal Halide

The Federal Energy Independence & Security Act (EISA) signed into law in late 2007 states that all 150W – 500W metal halide lamp luminaires manufactured on or after January 1, 2009, must meet the following ballast efficiency ratings:

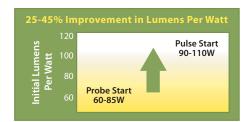
- 88% for magnetic or electronic pulse start ballasts
- 94% for magnetic probe-start ballasts
- 90% for electronic non-pulse start ballasts of 250W or less
- 92% for electronic non-pulse start ballasts greater than 250W



In addition to improved operating efficiency, there are several benefits to pulse start metal halide technology including:

More Lumens Per Watt:

Pulse start metal halide systems improve lamp efficacy (lumens per watt) by up to 45%, resulting in more useable light per watt consumed.



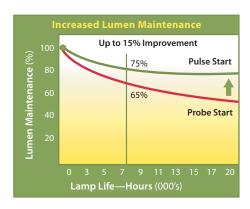
Longer Life:

Pulse start lamps offer substantially higher life ratings—up to 20,000-30,000 hours, or an improvement of up to 50%.

Probe vs. Pulse Start Metal Halide Benefits		
Features Probe MH Pulse MH		Pulse MH
Color	White	Brighter White
Efficacy (Lumens per Watt)	60-85	90-110
Lumen Maintenance	65%	70-75%
Lamp Wattages	175-1000	35-1000
Lamp Life (kHrs)	6-16	6-30

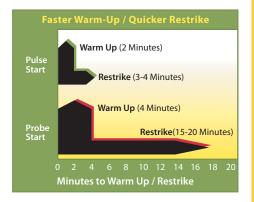
Better Lumen Maintenance:

With a lumen maintenance rating of up to 75%, pulse start lamps reduce light loss over life by up to 15% when compared to probe start metal halide lamps. Fewer watts per square foot are required to illuminate an area as a result of consistently higher light levels throughout lamp life.



Faster Warm-Up / Quicker Restrike:

Warm up time is cut in half to 2 minutes for pulse start systems versus 15-20 minutes for probe start metal halide. Restrike times after an outage are reduced to 3 to 4 minutes for pulse start lamps.



INDUSTRIAL | DECORATIVE HIGH-BAYS



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| ALUMINUM HIGH-BAYS

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| PRISMATIC GLASS HIGH-BAYS



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| ALUMINUM + ACRYLIC LOW-BAYS



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| PRISMATIC ACRYLIC HIGH-BAYS, LOW-BAYS + COMPACT FLUORESCENT



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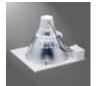


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| OUTDOOR AREA / SITE



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AII AVID MINI

20-39W Pulse Start Metal Halide

7-13W Compact Fluorescent

25W Incandescent

DECORATIVE HIGH-BAY LUMINAIRE

- Cast aluminum top can be specified for pendant or suspension mounting
- Pendant mounting comes with 3/8" pipe with internal locking screw
- Suspension mounting has two (2) stainless steel suspension cables with quick adjustment enabling the luminaire to be quickly leveled
- Integral ballast housing consists of heat dissipating aluminum finned construction
- Cast aluminum midsection is designed to dissipate the heat energy away from the lamp compartment separating the optical cavity from the integral ballast housing assuring a cool operation
- Optical construction is designed to remain flexible providing multiple distributions and optical types
- Approximate net weight: 8 lbs. (3.6 kgs.)

DESCRIPTION

AVID Series delivers a scalable aesthetically pleasing family of luminaires that combines the needs of lighting designers, architects, and building owners of architectural form providing great lighting performance in interior spaces. This rugged luminaire design considers multiple mounting configurations integrating a vast array of lamp sources and ballast technologies allowing specifications to combine one style for many interior application needs.

DIMENSIONS

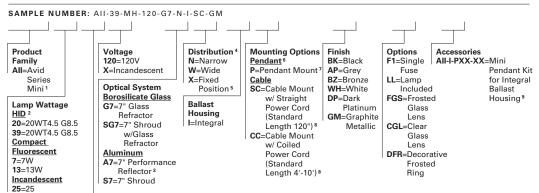
36"* [279mm] [95mm] [176mm] [1779mm] [279mm]

8 1/16" [205mm]

[15mm]

NOTE: *See accessories for ordering information for pendant kit. Pendant kit dimension based on distance from mounting plane to the bottom of the fixture

ORDERING INFORMATION



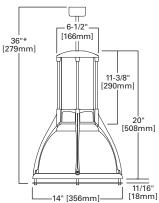
Lamp Type
MP=Pulse Start Metal Halide
CF=Compact Fluorescent
IN=Incandescent

NOTES: 1 Avid Series Mini "All" is 120V only. 2 Must specify FGS or CGL. 3 Shroud comes standard with Performance Reflector. 4 Mini available only in Narrow and Wide distributions. 5 Specify X for lamp type CF. 6 Pendant dimensions refer to the distance from the mounting plane to the bottom of the fixture. 7 Must order pendant kit separately, see accessories for ordering information. 8 Specify W for white cord, example: SCW. 9 Specify distance from mounting plane to the bottom of the fixture and finish. (Example: All-I-P24-GM). 10 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	20, 39W
Compact Fluorescent (CF)	7, 13W
Incandescent (IN)	25W

DIMENSIONS

INTEGRAL MOUNT



NOTE: *See accessories for ordering information for pendant kit. Pendant kit dimension based on distance from mounting plane to the bottom of the fixture.

DESCRIPTION

AVID Series delivers a scalable aesthetically pleasing family of luminaires that combines the needs of lighting designers, architects, and building owners of architectural form providing great lighting performance in interior spaces. This rugged luminaire design considers multiple mounting configurations integrating a vast array of lamp sources and ballast technologies allowing specifications to combine one style for many interior application needs.



AIS AVID SMALL

39-100W Pulse Start Metal Halide

26-84W Compact Fluorescent

> 250W Quartz Halogen

> > 200W Incandescent

DECORATIVE HIGH-BAY LUMINAIRE

- Cast aluminum top can be specified for pendant or suspension mounting
- Pendant mounting comes with 1/2" pipe with internal locking screw
- Suspension mounting has two (2) stainless steel suspension cables with quick adjustment enabling the luminaire to be quickly leveled
- Integral ballast housing consists of heat dissipating aluminum finned construction
- Cast aluminum midsection is designed to dissipate the heat energy away from the lamp compartment separating the optical cavity from the integral ballast housing assuring a cool operation
- Optical construction is designed to remain flexible providing multiple distributions and optical types
- Approximate net weight: 28 lbs. (12.7 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: AIS-100-MH-120-A12-M-I-SC-GM Voltage 120=120V Product Distribution **Mounting Options** Finish Options Accessories AIS-I-PXX-XX=Small BK=Black Family N=Narrow Pendant⁴ F1=Single **208**=208V P=Pendant Mount AIS=Avid M=Medium AP=Grey Fuse Pendant Series 240=240V W=Wide Cable BZ=Bronze F2=Double Kit for SC=Cable Mount Integral WH=White Small 277=277V X=Fixed Fuse UNV=120-277V Position 3 w/ Straight **DP**=Dark **LL**=Lamp Ballast Lamp Wattage Power Cord Platinum Included Housing 7 GM=Graphite FGS=Frosted **Optical System** Ballast (Standard **39**=39W T6 G12 Length 120") 6 Metallic Glass Lens **Borosilicate Glass** Housing **50**=50W **G12**=12" Glass CC=Cable Mount CGL=Clear Glass I=Integral Medium-Base **70**=70W Refractor SG12=12" Shroud w/Glass w/ Coiled Lens Power Cord DFR=Decorative Medium-Base Refractor (Standard Frosted **100**=100W Length 4'-10') 6 Aluminum Ring OR=Open Rated Medium-Base A12=12" Performance Reflector² Compact **Acrylic** Socket Fluorescent AC12=12" Clear Acrylic X=Number of Lamps SAC12=12" Shroud w/ Clear Acrylic X26=(1 or 2) 26W X32=(1 or 2) 32W

Lamp Type
MP=Pulse Start Metal Halide
CF=Compact Fluorescent
IN=Incandescent
OZ=Quartz Halogen

X42=(1 or 2) 42W Quartz Halogen 1

Incandescent 1 200=200W

NOTES: 1 Cannot be used with AC12 Optic. 2 Shroud comes standard with Performance Reflector. 3 Specify X for lamp type CF. 4 Pendant dimension refers to the distance from the mounting plane to the bottom of the fixture. 5 Must order pendant kit separately, see accessories for ordering information. 6 Specify W for white cord, example: SCW. 7 Specify distance from mounting plane to the bottom of the fixture and finish (Example: AIS-I-P24-GM). 8 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	39, 50, 70, 100W
Compact Fluorescent (CF)	(1) 26, (1) 32, (1) 42W
	(2) 26, (2) 32, (2) 42W
Quartz Halogen (QZ)	250W
Incandescent (IN)	200W



AIM **AVID MEDIUM**

150-250W Pulse Start Metal Halide Metal Halide

52-168W **Compact Fluorescent**

DECORATIVE HIGH-BAY LUMINAIRE

- Cast aluminum top can be specified for pendant or suspension mounting
- · Pendant mounting comes with 1/2" pipe with internal locking screw. Requires 4" octagonal J-box with fixture rating that exceeds 45 lbs
- Suspension mounting has two (2) stainless steel suspension cables with quick adjustment enabling the luminaire to be quickly leveled
- Integral ballast housing consists of heat dissipating aluminum finned construction
- · Cast aluminum midsection is designed to dissipate the heat energy away from the lamp compartment separating the optical cavity from the integral ballast housing assuring a cool operation
- Field adjustable socket bracket has three settings concentrated, medium, and
- · Optical construction is designed to remain flexible providing multiple distributions and optical
- . HPF ballast with class H insulation minimum starting temperature is -30°C (-20°F) for MH, and
- Approximate net weight: 45 lbs. (20.5 kgs.)

DESCRIPTION

AVID Series delivers a scalable aesthetically pleasing family of luminaires that combines the needs of lighting designers, architects, and building owners of architectural form providing great lighting performance in interior spaces. This rugged luminaire design considers multiple mounting configurations integrating a vast array of lamp sources and ballast technologies allowing specifications to combine one style for many interior application needs.

DIMENSIONS

INTEGRAL MOUNT

Performance Reflector and Glass Refractor .8 1/8" [207mm] 36"* [279mm] 14 7/16" [366mm] 26 5/8 [676mm]

17 3/8" [441mm]

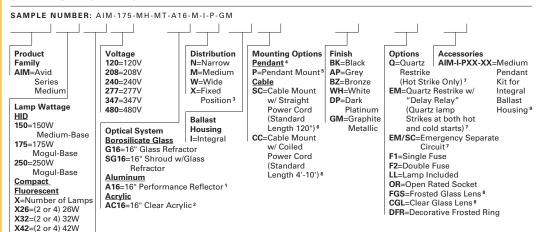
Acrylic 18" [457mm]-

NOTE: *See accessories for ordering information for pendant kit. Pendant kit dimension based on distance from mounting plane to the bottom

26 7/8" [682mm]

7/8" [23mm]

ORDERING INFORMATION



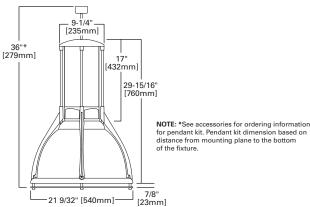
Lamp Type MP=Pulse Start Metal Halide MH=Metal Halide CF=Compact Fluorescent

NOTES: 1 Shroud comes standard with Performance Reflector. 2 Rated for 25°C ambient environments. 3 Specify X for lamp type CF. 4 Pendant dimension refers to the distance from the mounting plane to the bottom of the fixture. 5 Must order pendant kit separately, see accessories for ordering information. 6 Specify W for white cord, example: SCW. 7 Quartz lamp 150W max. 8 Lens not available with Acrylic option. 9 Specify distance from mounting plane to the bottom of the fixture and finish (Example: All-I-P24-GM). 10 Specifications and dimensions subject to change without notice

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 250W
Metal Halide (MH)	150, 175, 250W
Compact Fluorescent (CF)	(2) 26, (2) 32, (2) 42W
	(4) 26, (4) 32, (4) 42W

DIMENSIONS

INTEGRAL MOUNT



DESCRIPTION

AVID Series delivers a scalable aesthetically pleasing family of luminaires that combines the needs of lighting designers, architects, and building owners of architectural form providing great lighting performance in interior spaces. This rugged luminaire design considers multiple mounting configurations integrating a vast array of lamp sources and ballast technologies allowing specifications to combine one style for many interior application needs.



AIL **AVID LARGE**

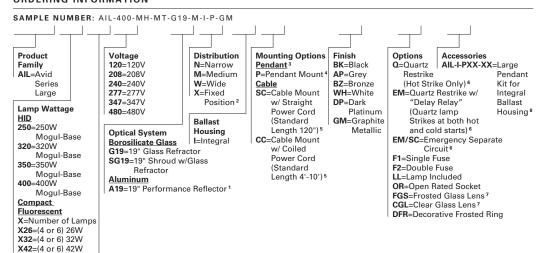
250-400W Pulse Start Metal Halide Metal Halide

> 104-252W Compact Fluorescent

DECORATIVE HIGH-BAY LUMINAIRE

- Cast aluminum top can be specified for pendant or suspension mounting
- Pendant mounting comes with 1/2" pipe with internal locking screw. Requires 4" octagonal J-box with fixture rating that exceeds 60 lbs
- Suspension mouting has two (2) stainless steel suspension cables with quick adjustment enabling the luminaire to be quickly leveled
- Integral ballast housing consists of heat dissipating aluminum finned construction
- Cast aluminum midsection is designed to dissipate the heat energy away from the lamp compartment separating the optical cavity from the integral ballast housing assuring a cool operation
- Field adjustable socket bracket has three settings concentrated, medium, and wide
- Optical construction is designed to remain flexible providing multiple distributions and optical types
- HPF ballast with class H insulation minimum starting temperature is -30°C (-20°F) for MH, and
- Approximate net weight: 30 lbs. (29.5 kgs.)

ORDERING INFORMATION



Lamp Type MP=Pulse Start Metal Halide MH=Metal Halide CF=Compact Fluorescent

NOTES: 1 Shroud comes standard with Performance Reflector. 2 Specify X for lamp type CF. 3 Pendant dimension refers to the distance from the mounting plane to the bottom of the fixture. 4 Must order pendant kit separately, see accessories for ordering information. 5 Specify W for white cord, example: SCW 6 Quartz lamp 150W max. 7 Lens not available with Acrylic option. 8 Specify distance from mounting plane to the bottom of the fixture and finish (Example: AIL-I-P24-GM). 9 Specifications and dimensions subject to change without notice.



15", 18" & 23" STEELER

70-1000W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

HIGH-BAY INDUSTRIAL LUMINAIRE

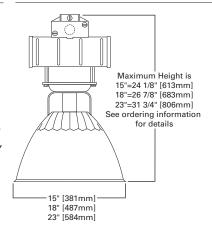
- · U.L. listed for damp locations. CSA certified. **EISA Complaint**
- · Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40° F) for HP and -30°C (-20° F) for MH, MP and MI
- · Universal ladder brackets allow for the flexibility to change out with other reflectors available in acrylic or glass
- Mogul-base porcelain socket. 150W and below is medium-base
- · Computer-designed, field-adjustable reflector mounts easily and allows multiple distribution patterns for precise control
- Approximate net weight: 30-37 lbs. (13-17 kgs.)

DESCRIPTION

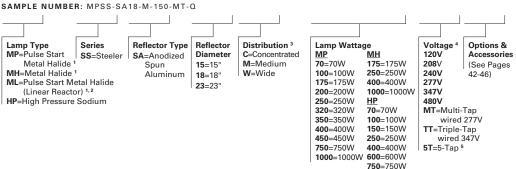
The Steeler combines computerized design, durable cold-rolled steel and a fieldadjustable reflector to provide a degree of versatility unmatched in other industrials. U.L. listed and labeled for damp location. CSA Certified.

The Steeler is perfect for high-bay applications such as gymnasiums, hangars, manufacturing, assembly and auto service areas.

DIMENSIONS

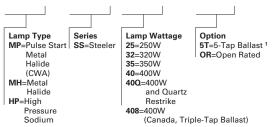


ORDERING INFORMATION



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice

STOCK SAMPLE NUMBER: MPSS40



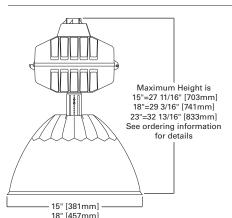
NOTES: 188% EISA complaint MP fixtures not available in 5-tap voltages. Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering information to add options and accessories.

Reflector Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
SA15	70-450W	FF00 (4F0)M	
SA18	70-450W	55°C (450W + Up) 65°C (70-400W)	90°C
SA23	400-1000W	7 00 0 (70 400117	

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 175, 200, 250, 320, 350
	400, 450, 750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Procesure Codium (HD)	70 100 150 250 400 500 750\\/

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Benchmark HB utilizes a durable heavy-duty die-cast aluminum ballast housing and computer aided designed reflector system for specification-level performance at higher mounting heights. U.L. listed and CSA certified. Damp location standard.

The Benchmark HB is perfect for high-bay applications such as gymnasiums, hangars, manufacturing, assembly and auto service areas.

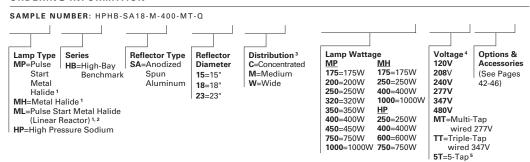


HIGH-BAY BENCHMARK

175-1000W High Pressure Sodium Pulse Start Metal Halide Metal Halide

DIE-CAST ALUMINUM HIGH-BAY HEAVY-DUTY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40° F) for HP and -30°C (-20° F) for MH, MP and ML
- Universal ladder brackets allow for the flexibility to change out with other reflectors available in acrylic or glass
- Mogul-base porcelain socket
- Approximate net weight: 35 lbs. (15 kgs.)



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 Not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages.

Reflector Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
SA15	175-450W		
SA18	175-450W	55°C (450W + Up) 65°C (175-400W)	105°C
SA23	400-1000W	65 6 (175-400W)	

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350
	400, 450, 750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Pressure Sodium (HP)	250, 400, 600, 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)
•	



SE 18" & 23" E&G STEELER

175-1000W High Pressure Sodium

Pulse Start Metal Halide Metal Halide

ENCLOSED & GASKETED HIGH-BAY INDUSTRIAL LUMINAIRE

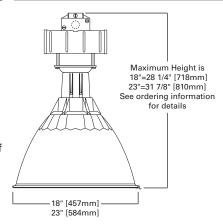
- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- Clear tempered glass lens in an extruded aluminum door frame with stainless steel latches allows access for relamping without tools
- Mogul-base porcelain socket
- Approximate net weight: 38-50 lbs. (17-23 kgs.)

DESCRIPTION

The E & G Steeler utilizes the SA18 and SA23 reflector system for maximum performance. It features a die-cast aluminum neck for superior strength and an extruded aluminum hinged and latched door frame for access to the lamp without tools. The E & G is fully enclosed and gasketed at three (3) separate points to prevent entry of external contaminants. U.L. listed and labeled for damp location. CSA Certified.

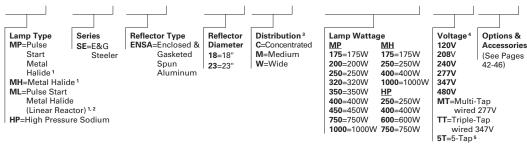
The E & G Steeler is perfect for textile mills, gymnasiums, hangars, assembly and auto service areas.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: HPSE-ENSA18-M-400-MT-Q



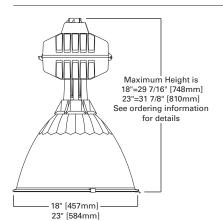
NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, 0, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages.

Reflector Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
ENSA18	175-400W	55°C (450W + Up)	90°C
ENSA23	400-1000W	65°C (175-400W)	30 C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450,
	750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Pressure Sodium (HP)	250, 400, 600, 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Benchmark EB utilizes a durable heavy-duty die-cast aluminum ballast housing and the SA18 and SA23 reflector system for maximum performance. It features a die-cast aluminum neck for superior strength and an extruded aluminum door frame with stainless steel latches for access to the lamp without tools. The EB is fully enclosed and gasketed at three (3) separate points to prevent entry of external contaminants. U.L. listed and CSA certified for damp locations standard. Wet location optional.

The Benchmark EB is perfect for textile mills, gymnasiums, hangars, assembly and auto service areas.



18" & 23" E&G BENCHMARK

175-1000W High Pressure Sodium

Pulse Start Metal Halide

Metal Halide

DIE-CAST ALUMINUM ENCLOSED & GASKETED HIGH-BAY HEAVY-DUTY LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- Clear tempered glass lens in an extruded aluminum door frame with stainless steel latches allows access for relamping without tools
- Approximate net weight: 34-47 lbs. (15-21 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: HPEB-ENSA18-M-400-MT-Q Lamp Wattage Reflector Distribution ³ Voltage ⁴ Options & Lamp Type Series Reflector Type Diameter **C**=Concentrated **M**=Medium MP=Pulse EB=E&G ENSA=Enclosed 120V Accessories Start **175**=175W 175=175W (See Pages Benchmark **18**=18" **200**=200W **250**=250W Metal Gasketed W=Wide 250=250W 240V 23=23" Halide 1 Spun 400=400W 277V **320**=320W **1000**=1000W 347V MH=Metal Halide 1 Aluminum **350**=350W <u>HP</u> 480V ML=Pulse Start **250**=250W MT=Multi-Tan Metal Halide 400=400W (Linear Reactor) 1,2 **450**=450W **400**=400W wired 277V 750=750W 600=600W TT=Triple-Tap HP=High Pressure Sodium 1000=1000W 750=750W wired 347V **5T**=5-Tap ⁵

NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice.

Reflector Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
ENSA18	175-400W	55°C (450W + Up)	105°C
ENSA23	400-1000W	65°C (175-400W)	103 C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450,
	750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Pressure Sodium (HP)	250, 400, 600, 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



BENCHMARK UPLIGHT

175-450W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

HEAVY-DUTY INDUSTRIAL LUMINAIRE

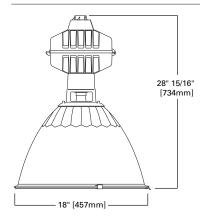
- U.L. listed for damp locations. CSA certified. **EISA Complaint**
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- · High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and MI
- · Cast aluminum neck with heat- and impact-resistant glass lenses creates uplight that helps illuminate high-ceiling spaces
- Clear tempered glass lens in an extruded aluminum door frame with stainless steel latches allows access for relamping without tools
- Mogul-base porcelain socket
- · Approximate net weight: 47 lbs. (21 kgs.)

DESCRIPTION

The Benchmark UB utilizes a durable heavy-duty die-cast aluminum ballast housing and the SA18 reflector system for maximum performance. It features a cast aluminum neck for superior strength and a hinged and latched extruded aluminum door frame for access to the lamp without tools U.L. listed for and CSA certified damp location standard.

The Benchmark UB is perfect for retail stores, gymnasiums, hangars, assembly and auto service areas.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: HPUB-ENSA18-M-400-MT-Q

Lamp Type Reflector Type Reflector Distribution ³ Lamp Wattage Voltage 4 MP=Pulse **UB**=Benchmark ENSA=Enclosed Diameter C=Concentrated MP 120V M=Medium 175=175W Start Uplight **18**=18" 175=175W 208V Gasketed Metal W=Wide 200=200W 250=250W 240V Halide 1

MH=Metal Halide 1 Spun Aluminum **250**=250W **400**=400W 277V 320=320W HP 347V **350**=350W 480V 250=250W

ML=Pulse Start Metal Halide (Linear Reactor) 1,2 HP=High Pressure Sodium

400=400W MT=Multi-Tap 450=450W wired 277V TT=Triple-Tap wired 347V 5T=5-Tap5

Options &

Accessories

(See Pages

42-46)

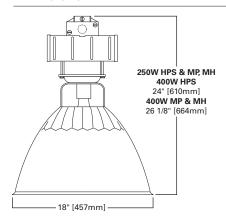
NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages 6 Specifications and dimensions subject to change without notice.

Reflector	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
ENSA18	175-400W	65°C (175-400W)	105°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Econoliter utilizes the SA18 reflector system. Anodized reflector baffles combine with the SA18 reflector to kick light into the desired distribution for narrow aisle environments. U.L. listed and labeled for damp location. CSA Certified.

Econoliter provides optimum visual conditions in warehouses by redirecting light to achieve high vertical lighting levels on stacks and maximum horizontal footcandles in the aisles.



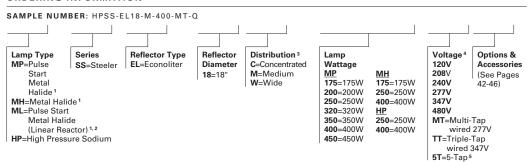
ECONOLITER

175-450W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

AISLE LIGHT INDUSTRIAL LUMINAIRE

- · U.L. listed for damp locations. CSA certified. **EISA Complaint**
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Mogul-base porcelain socket
- Computer designed, faceted SA18 reflector and anodized baffles provide maximum photometric performance and beam efficiency
- Universal ladder brackets allow for the flexibility to change out with other reflectors available in acrylic or glass
- Approximate net weight: 30 lbs. (14 kgs.)



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice.

Reflector	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
EL18	175-400W	65°C	90°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

voitage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



SS VERTX

150-450W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

VERTICAL AISLE LIGHTER HIGH-BAY LUMINAIRE

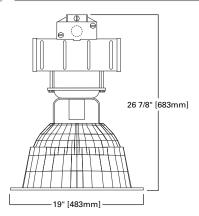
- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and MI
- Universal ladder brackets allow for the flexibility to change out with other reflectors available in acrylic or glass
- Mogul-base porcelain socket
- Computer-designed, reflector mounts easily and allows multiple distribution patterns for precise control
- Approximate net weight: 33-40 lbs. (15-18 kgs.)

DESCRIPTION

The SS VertX combines durable cold-rolled steel housing with a hydroform aluminum field-adjustable reflector to provide superior aisleway illumination. U.L. listed and labeled for damp location. CSA certified.

The SS VertX aisle lighter is ideal for warehouse applications. Its unique distribution pattern delivers high horizontal illumination while reducing "scallops" or hot spots for a more uniform vertical surface.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: MHSS-AV19-M-400-MT-Q Lamp Type MP=Pulse Reflector Type Reflector Distribution ³ Lamp Wattage Series Voltage Options & AV=VertX Diameter C=Concentrated MP Accessories SS=Steeler 175=175W Start M=Medium 175=175W 208\/ (See Pages 200=200W 250=250W Metal W=Wide 240V 42-46) **250**=250W Halide 1 **400**=400W 277V MH=Metal Halide 1 320=320W HP 347V ML=Pulse Start 350=350W 150=150W 480V **400**=400W Metal Halide **250**=250W MT=Multi-Tap wired 277V (Linear Reactor) 1,2 450=450W 400=400W HP=High Pressure Sodium TT=Triple-Tap wired 347V **5T**=5-Tap ⁵

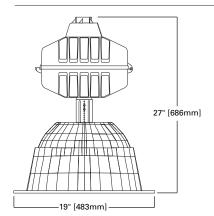
NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages.

Reflector	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
AV19	175-450W	55°C (450W) 65°C (175-400W)	90°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	150, 250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The HB VertX utilizes a durable heavy-duty die-cast aluminum ballast housing with a hydroformed aluminum reflector to provide superior aisleway illumination. U.L. listed and labeled for damp location.

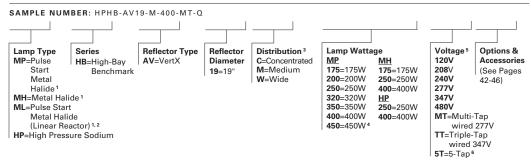
The HB VertX aisle lighter is ideal for warehouse applications. Its unique distribution pattern delivers high horizontal illumination while reducing "scallops" or hot spots for a more uniform vertical surface.



HB VERTX

175-450W High Pressure Sodium Pulse Start Metal Halide Metal Halide

HEAVY-DUTY VERTICAL AISLE LIGHTER HIGH-BAY LUMINAIRE



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Standard 55°C ambient environments. 5 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availablity and ordering information. 88% EISA complaint MP fixtures not available in 34TV and Triple-tap voltages. 6 88% EISA complaint MP fixtures not available in 5-tap voltages. 7 Specifications and dimensions subject to change without notice.

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Universal ladder brackets allow for the flexibility to change out with other reflectors available in acrylic or glass
- Mogul-base porcelain socket
- Computer aided designed, reflector mounts easily and allows multiple distribution patterns for precise control
- Approximate net weight: 35 lbs. (15 kgs.)

Reflector	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
AV19	175-450W	55°C (400W + Up) 65°C	105°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

voitage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



SE E&G VERTX

175-450W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

ENCLOSED & GASKETED VERTICAL AISLE LIGHTER HIGH-BAY LUMINAIRE

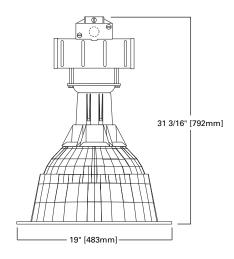
- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and MI
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- Computer-designed, reflector mounts easily and allows multiple distribution patterns for precise control
- Clear tempered glass lens in an extruded aluminum door frame with easy latches to allow access for relamping without tools
- Mogul-base porcelain socket
- Approximate net weight: 38-50 lbs. (17-23 kgs.)

DESCRIPTION

The SE E&G VertX utilizes the AV19 reflector system for maximum performance. It features a die-cast aluminum neck for superior strength and an extruded aluminum hinged door frame with latches for access to the lamp without tools. The SE E&G VertX is fully enclosed and gasketed at three separate points to prevent entry of external contaminants. U.L. listed and labeled for damp location. CSA Certified.

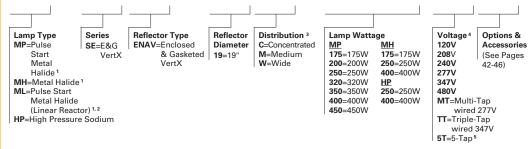
The SE E&G VertX aisle lighter is ideal for higher mounting height warehouse applications. Its unique distribution pattern delivers high horizontal illumination while reducing "scallops" or hot spots for a more uniform vertical surface.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: HPSE-ENAV19-M-400-MT-Q



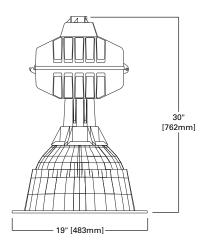
NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice.

Reflector	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
ENAV19	150-450W	55°C (450W + Up) 65°C (175-400W)	90°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The EB E&G VertX utilizes the AV19 reflector system for maximum performance. It features a die-cast aluminum neck for superior strength and an extruded aluminum hinged door frame with latches for access to the lamp without tools. The EB E&G VertX is fully enclosed and gasketed at three separate points to prevent entry of external contaminants. U.L. listed and labeled for damp location. CSA Certified.

The EB E&G VertX aisle lighter is ideal for higher mounting height warehouse applications. Its unique distribution pattern delivers high horizontal illumination while reducing "scallops" or hot spots for a more uniform vertical surface.



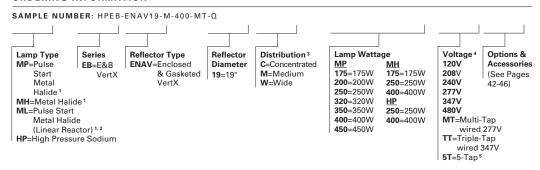
EB E&G VERTX

175-450W High Pressure Sodium Pulse Start Metal Halide Metal Halide

HEAVY-DUTY ENCLOSED & GASKETED VERTICAL AISLE LIGHTER HIGH-BAY LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- Computer aided designed, reflector mounts easily and allows multiple distribution patterns for precise control
- Clear tempered glass lens in an extruded aluminum door frame with latches to allow easy access for relamping without tools
- Approximate net weight: 34 lbs. (15 kgs.)

ORDERING INFORMATION



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available with other contents.

Reflector	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
ENAV19	175-450W	55°C (450W + Up) 65°C (175-400W)	105°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



ENTERPRISE 22 & 28

70-450W

High Pressure Sodium **Pulse Start Metal Halide** Metal Halide

LOW-BAY INDUSTRIAL LUMINAIRE

- · U.L. listed for damp locations. CSA certified. **EISA Complaint**
- · Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- · Enclosed and gasketed optics seal out dirt and other contaminants
- Mogul-base porcelain socket
- · Computer designed, faceted reflector provides maximum photometric performance
- Trunk latches secure the reflector to the housing, allowing toolless entry, while internal hangers hold reflector / refractor for hands-free relamping
- Approximate net weight: 32-35 lbs. (15-16 kgs.)

DESCRIPTION

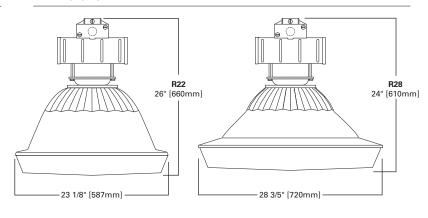
The Enterprise 22" and 28" industrial low-bay luminaire combines a round, faceted reflector with an injection-molded lens to provide an efficient, symmetrical beam pattern. U.L. listed and labeled for damp location. CSA Certified.

The Enterprise 22" and 28" combines durable construction with precise optics for mounting heights below 20'. Perfect for warehouses, foundries, gyms, assembly areas, manufacturing plants and hangars.

(Linear Reactor) 1

HP=High Pressure Sodium

DIMENSIONS



ORDERING INFORMATION SAMPLE NUMBER: HPEP-R22-250-MT-Q Lamp Type Series Reflector Reflector Type Lamp Wattage Voltage 3 Options & MP=Pulse **EP**=Enterprise Size -Acrylic MP MH 120V Accessories **70**=70W 175=175W (See Pages Start R22=22 208V PL=Polycarbonate ² **100**=100W **250**=250W 240V 42-46) Halide 175=175W 400=400W 277V MH=Metal Halide 200=200W HP 347V ML=Pulse Start **250**=250W **70**=70W 480V Metal Halide 320=320W 100=100W MT=Multi-Tap **150**=150W wired 277V

NOTES: 1 277V only, not available with HSW, Q, EM, HL or HC options. 2 Not recommended for use with MH lamps due to rapid yellowing typical of polycarbonate material. 3 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 488% EISA complaint MP fixtures not available in 5-tap voltages. 5 Specifications and dimensions subject to change without notice

350=350W

400=400W

450=450W

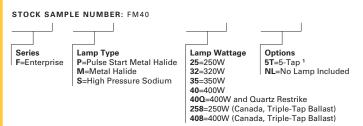
250=250W

400=400W

TT=Triple-Tap

5T=5-Tap 4

wired 347V



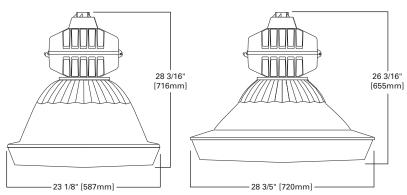
NOTES: 1 88% EISA complaint MP fixtures not available in 5-tap voltages.. Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering information to add options and accessories.

Reflector Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
RP22	70-450W	40°C (R22)	90°C
RP28	70-450W	55°C (R28)	30 C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 175, 200, 250, 320, 350,
	400, 450W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	70, 100, 150, 250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Benchmark RB utilizes a durable heavy-duty die-cast aluminum ballast housing, a round, [655mm] faceted reflector and an injection-molded lens to provide an efficient, symmetrical beam pattern. U.L. listed and CSA certified for damp location standard. Wet location optional.

> The Benchmark RB is perfect for warehouses, gyms, assembly areas, manufacturing plants and hangars.



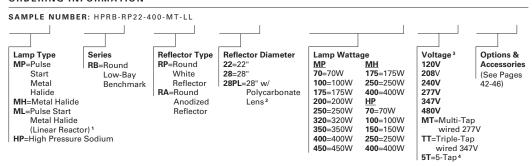
LOW-BAY **BENCHMARK**

70-450W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

DIE-CAST ALUMINUM **ROUND LOW-BAY HEAVY-DUTY INDUSTRIAL** LUMINAIRE

- U.L. listed for damp locations. CSA certified. **EISA Complaint**
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- · Enclosed and gasketed optics seal out dirt and other contaminants
- · Trunk latches secure the reflector to the housing, allowing toolless entry, while internal hangers hold reflector / refractor for hands-free relamping
- Mogul-base porcelain socket
- Approximate net weight: 33 lbs. (15 kgs.)



NOTES: 1 277V only, not available with HSW, Q, EM, HL or HC options. 2 Not recommended for use with MH lamps due to rapid yellowing typical of polycarbonate material. 3 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 4 88% EISA complaint MP fixtures not available in 5-tap voltages. 5 Specifications and dimensions subject to change without notice

Reflector Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
RP22	70-450W	55°C (70-450W)	105°C
RP28	70-450W	35 C (70-450VV)	105 C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 175, 200, 250, 320, 350,
	400, 450W
Metal Halide (MH)	175, 250, 400W
High Proceure Sodium (HP)	70 100 150 250 400W/

Voitage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



VF VERTIMARK

150-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

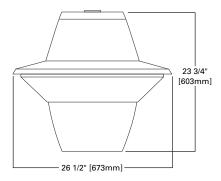
LOW-BAY INDUSTRIAL LUMINAIRE

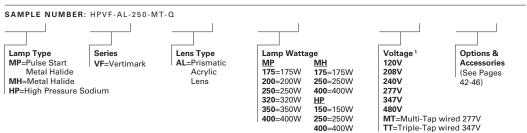
- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy-access wiring chamber cover with 3/4" IPS threaded hub for quick fixture mounting
- Ballast and electrical components are mounted to die-cast aluminum top for cooler operation. High power factor ballast with class H insulation. U.L. Listed for 55° C (131° F) ambient temperature operation. Minimum starting temperature is -40° C (-40° F) for HP and -30° C (-20° F) for MH and MP
- Spun aluminum reflector has internally hinged door for toolless entry into electrical compartment
- Hinged refractor/door assembly has full perimeter silicone gasketing with easy-access thumb screws
- Computer-designed optical system combines a translucent diffuser at the top with a prismatic lens at the bottom for maximum vertical illumination
- Approximate net weight: 45 lbs. (20 kgs.)

DESCRIPTION

Vertimark is an advanced concept in industrial lighting. Combining a durable die-cast aluminum top and spunaluminum housing with a computer-designed optical system, the Vertimark is an excellent choice for lighting any area requiring excellent vertical light distribution.

DIMENSIONS





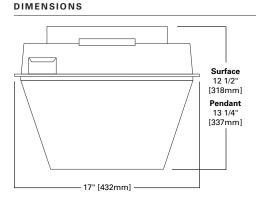
NOTES: 1 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 2 Specifications and dimensions subject to change without notice.

Series	Lamp	Ambient	Supply
	Wattage	Environment	Wire (Min.)
Vertimark	150-400W	55°C (150-400W)	105°C

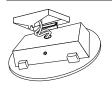
Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	150, 250, 400W

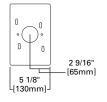
Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)

DESCRIPTION



MOUNTING





Once in place, the EZ123 readily accepts the mating half of the hinge and the fixture is easily attached.

P=Mounting Bracket for Surface Mounting or Mounting to 4" J-Box.

The Vertimark II delivers horizontal and vertical footcandles to evenly illuminate low mounting areas such parking garages or storage facilities areas. The combination die-cast reflector/ ballast housing makes Vertimark II economical. Modular assembly makes installation easy and quality construction ensures years of consistent performance. U.L. listed and labeled for damp location. CSA Certified. Wet location optional.



BE VERTIMARK II

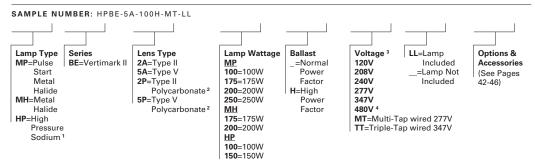
100-250W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

LOW-BAY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Standard quick mounting plate for 3/4" IPS conduit frees both hands to complete wiring
- Die-cast aluminum housing has durable white polyester powder coat finish
- Hinged refractor permits relamping without removal of refractor
- Acrylic prismatic refractor controls light for high vertical and horizontal footcandles
- Removable ballast compartment cover provides easy internal access
- Optional "P" mounting bracket fits a standard 4" J-Box or outlet box for surface mounting
- Approximate net weight: 7 lbs. (8 kgs.)

ORDERING INFORMATION



NOTES: 1 150W is maximum. 2 Not recommended for use with MH lamps due to to rapid yellowing typical of polycarbonate material. 3 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 4 Not available with 200 or 250W MP. 5 Specifications and dimensions subject to change without notice.

Valtora Chart

Series	Lamp	Ambient	Supply
	Wattage	Environment	Wire (Min.)
Vertimark II	100-250W	40°C (100-250W)	90°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	100, 175, 200, 250W
Metal Halide (MH)	175, 250W
High Pressure Sodium (HP)	100, 150W

voitage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)



SG 16" & 21" PRISMATIC GLASS HIGH-BAY

175-1000W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

PRISMATIC GLASS HIGH-BAY INDUSTRIAL LUMINAIRE

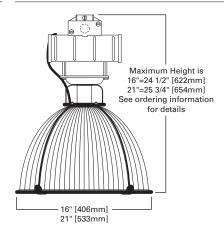
- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and MI
- Safety cable attached from housing to refractor standard
- Universal ladder brackets allow for the flexibility to change out with other reflectors / refractors available in acrylic or aluminum
- Field adjustable shockand impact-resistant borosilicate glass refractor. Zinc-plated wire form with optional safety glass bottom for durable performance
- Approximate net weight: 51 lbs. (23 kgs.)

DESCRIPTION

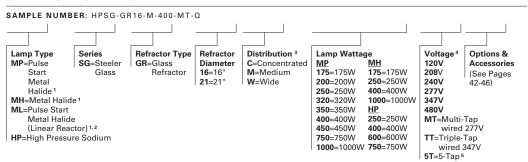
The Steeler SG Prismatic Glass Series combines the popular Steeler ballast housing with shock- and impact-resistant prismatic borosilicate glass reflectors for maximum durability and photometric performance. U.L. listed and labeled for damp location. CSA Certified.

The Steeler SG is perfect for manufacturing and assembly areas, retail stores, wholesale warehouses, grocery chains, malls and auto service areas, where up light is desired.

DIMENSIONS



ORDERING INFORMATION



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting.

4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 34TV and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages.

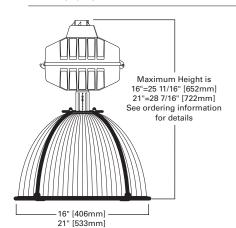
Refractor	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
GR16	150-400W	55°C (450W + Up)	90°C
GR21	400-1000W*	65°C (150-400W)	
	.55 .500**		

NOTES: * 1000W requires BT37 lamp.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Proceure Sodium (HP)	250 400 600 750\/

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Benchmark GB Prismatic Glass Series utilizes a durable heavy-duty die-cast aluminum ballast housing and shock- and impact-resistant borosilicate glass reflector system for specification-level performance. U.L. listed and CSA certified. Damp location standard.

The Benchmark GB Prismatic Glass Series is perfect for high-bay applications such as manufacturing, gymnasiums, hangars, assembly, auto service areas and retail stores where up light is desired.



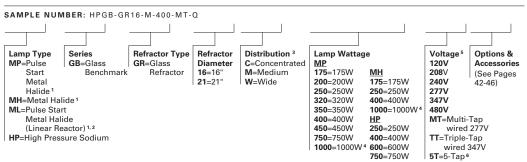
GB 16" & 21" PRISMATIC GLASS BENCHMARK

175-1000W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

DIE-CAST ALUMINUM PRISMATIC GLASS HIGH-BAY HEAVY-DUTY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Universal ladder brackets allow for the flexibility to change out with other reflectors /refractors available in acrylic or spun aluminum
- Field adjustable shockand impact-resistant borosilicate glass refractor. Zinc-plated wire form with optional safety glass bottom for durable performance
- Approximate net weight: 68 lbs. (31 kgs.)



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, O, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting.

4 Requires reduced envelope BT-37 lamp for MH. 5 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 6 88% EISA complaint MP fixtures not available in 5-tap voltages. 7 Specifications and dimensions subject to change without notice.

Refractor	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
GR16	150-400W	55°C (450W + Up)	105°C
GR21	400-1000W*	65°C (150-400W)	

NOTES: * 1000W requires BT37 lamp.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Pressure Sodium (HP)	250 400 600 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



SE 16" & 21" E&G GLASS STEELER

Metal Halide

175-1000W High Pressure Sodium Pulse Start Metal Halide

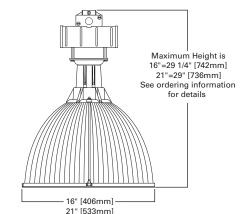
ENCLOSED & GASKETED GLASS HIGH-BAY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and MI
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- Field adjustable shockand impact-resistant borosilicate glass refractor. Zinc-plated wire form with optional safety glass bottom for durable performance
- Mogul-base porcelain socket
- Approximate net weight: 77 lbs. (35 kgs.)

DESCRIPTION

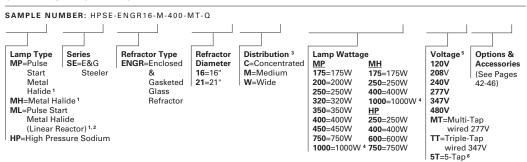
The Enclosed and Gasketed Glass Steeler utilizes a 16" and 21" borosilicate glass refractor system for maximum performance. It features a cast aluminum neck for superior strength and a hinged door frame with latches for access to the lamp without tools. The Enclosed and Gasketed Glass Steeler is fully enclosed and gasketed at three (3) separate points to prevent entry of external contaminant's. U.L. listed and CSA Certified for damp locations.

The Enclosed and Gasketed Glass Steeler is perfect for textile mills, hangars, assembly and auto service areas.



DIMENSIONS

ORDERING INFORMATION



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting.

4 Requires reduced envelope BT-37 lamp for MH. 5 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 6 88% EISA complaint MP fixtures not available in 5-tap voltages. 7 Specifications and dimensions subject to change without notice.

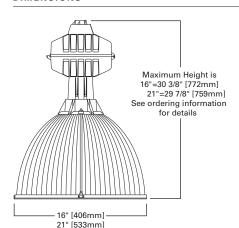
Refractor Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
ENGR16	175-400W	55°C (450W + Up)	90°C
ENGR21	400-1000W*	65°C (175-400W)	30 C

NOTES: * 1000W requires BT37 lamp.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 750,
	1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Pressure Sodium (HP)	250 400 600 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Enclosed and Gasketed Glass Benchmark utilizes a 16" and 21" borosilicate glass refractor system for maximum performance. It features a cast aluminum neck for superior strength and a hinged door frame with latches for access to the lamp without tools. The Enclosed and Gasketed Glass is fully enclosed and gasketed at three (3) separate points to prevent entry of external contaminant's. U.L. listed and CSA Certified for damp locations with optional wet location.

The Enclosed and Gasketed Glass Benchmark is perfect for textile mills, hangars, assembly and auto service areas.

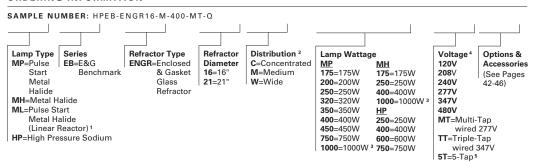


16" & 21" E&G GLASS BENCHMARK

175-1000W High Pressure Sodium Pulse Start Metal Halide Metal Halide

ENCLOSED & GASKETED GLASS HIGH-BAY HEAVY-DUTY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- Field adjustable shockand impact-resistant borosilicate glass refractor. Zinc-plated wire form with optional safety glass bottom for durable performance
- Approximate net weight: 79 lbs. (36 kgs.)



NOTES: 1 277V only, not available with HSW, Q, EM, HL or HC options. 2 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 3 Requires reduced envelope BT-37 lamp for MH. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice.

Refractor Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
ENGR16	175-400W	55°C (450W + Up)	105°C
ENGR21	400-1000W*	65°C (175-400W)	105 C

NOTES: * 1000W requires BT37 lamp.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Pressure Sodium (HP)	250 400 600 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



16", 22" & 25" **PRISMATIC HIGH-BAY**

175-1000W

High Pressure Sodium **Pulse Start Metal Halide** Metal Halide

PRISMATIC HIGH-BAY INDUSTRIAL LUMINAIRE

- · U.L. listed for damp locations. CSA certified. **EISA Complaint**
- · Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- · Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and
- Universal ladder brackets allow for the flexibility to change out with other reflectors / refractors available in aluminum or glass
- Mogul-base porcelain socket
- · Easily mounted prismatic acrylic refractor has multiple field-adjustable distribution patterns for precision control
- Approximate net weight: 30 lbs. (14 kgs.)

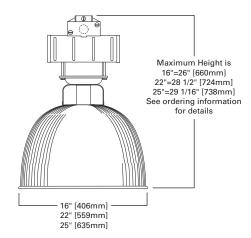
La Po

DESCRIPTION

The Prismatic high-bay combines the popular Steeler ballast housing with an acrylic reflector for maximum durability and photometric performance. U.L. listed and labeled for damp location. CSA Certified.

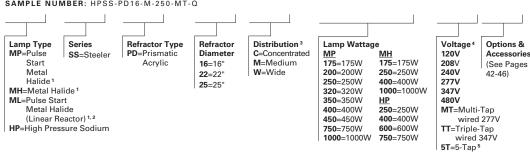
The Prismatic high-bay is perfect for retail stores, wholesale warehouses, grocery chains, malls and auto showrooms.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: HPSS-PD16-M-250-MT-Q



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages 6 Specifications and dimensions subject to change without notice.

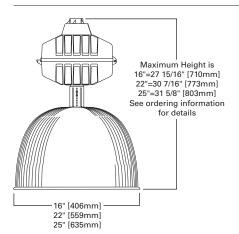
Refractor Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
PD16	175-400W		
PD22	175-450W	40°C (Enclosed)* 55°C (Open)	90°C
PD25	400-1000W	33 C (Open)	

NOTES: * PD16 enclosed is 250W maximum. PD25 enclosed is 400W only.

amp Type	Wattage
ulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 750,
	1000W
Netal Halide (MH)	175, 250, 400, 1000W
ligh Pressure Sodium (HP)	250 400 600 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The BenchMark HB prismatic high-bay utilizes a durable heavy-duty die-cast aluminum ballast housing and prismatic acrylic reflector for maximum durability and photometric performance. U.L. listed and CSA certified. Damp location standard.

The BenchMark HB prismatic high-bay is perfect for retail stores, wholesale warehouses, grocery chains, malls and auto showrooms.



16", 22" & 25" PRISMATIC BENCHMARK

175-1000W High Pressure Sodium Pulse Start Metal Halide

Metal Halide

DIE-CAST ALUMINUM PRISMATIC HIGH-BAY HEAVY-DUTY INDUSTRIAL LUMINAIRE

- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Universal ladder brackets allow for the flexibility to change out with other reflectors / refractors available in aluminum or glass
- Mogul-base porcelain socket
- Easily mounted prismatic acrylic refractor has multiple field-adjustable distribution patterns for precision control
- Approximate net weight: 37 lbs. (17 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: HPHB-PD16-M-250-MT-Q Lamp Wattage Voltage 4 Refractor Distribution ³ Options & Lamp Type Refractor Type PD=Prismatic MP=Pulse HB=High-Bay Diameter C=Concentrated MP 120V Accessories **16**=16' **175**=175W **175**=175W Start BenchMark M=Medium 208V Acrvlic (See Pages Metal **22**=22" W=Wide 200=200W 250=250W 240V 42-46) Halide 1 **25**=25' 250=250W 400=400W 277V MH=Metal Halide 1 320=320W 1000=1000W 347V ML=Pulse Start 350=350W 480V <u>HP</u> 250-250W Metal Halide 400-400\\/ MT=Multi-Tap (Linear Reactor) 1,2 450=450W 400=400W wired 277V HP=High Pressure Sodium **750**=750W **600**=600W TT=Triple-Tap 1000=1000W 750=750W wired 347V **5T**=5-Tap ⁵

NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, O, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting.

4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages.

Refractor Type	Lamp Wattage	Ambient Environment	Supply Wire (Min.)
PD16	175-400W		
PD22	175-450W	55°C (Open) or 40°C (Enclosed)*	105°C
PD25	400-1000W	40 0 (Eliciosed)	

NOTES: * PD16 enclosed is 250W only. PD25 enclosed is 400W only.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400, 450,
	750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
High Pressure Sodium (HP)	250, 400, 600, 750W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



22" **E&G PRISMATIC** ACRYLIC STEELER

175-400W

High Pressure Sodium **Pulse Start Metal Halide** Metal Halide

ENCLOSED & GASKETED PRISMATIC ACRYLIC HIGH-BAY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. **EISA Complaint**
- · Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- · Prismatic acrylic refractor provides maximum photometric performance and beam efficiency. The system is completely enclosed and gasketed at three (3) points: door to refractor, refractor to neck, and neck to housing
- · Clear tempered glass or prismatic acrylic drop lens
- Approximate net weight: 48 lbs. (18 kgs.)

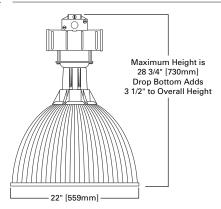
COOPER LIGHTING

DESCRIPTION

The Enclosed and Gasketed Prismatic Acrylic Steeler utilizes a refractor system for maximum performance. It features a cast aluminum neck for superior strength and a hinged door frame with latches for access to the lamp without tools. The unit is fully enclosed and gasketed at three separate points to prevent entry of external contaminants. U.L. listed and CSA Certified for damp locations.

The Enclosed and Gasketed Prismatic Acrylic Steeler is perfect for retail, hangars, assembly and auto service areas.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: HPSE-ENPD22-M-400-MT-Q Distribution 3 Voltage 4 Options & Lamp Type MP=Pulse Series Refractor Lamp Wattage Refractor Type SE=E&G ENPD=Enclosed MP 120V Diameter C=Concentrated Accessories **175**=175W Start Steeler M=Medium **175**=175W (See Pages Metal Gasketed W=Wide 200=200W 250=250W 240V 42-46) **400**=400W Halide 1 250=250W 277V Prismatic MH=Metal Halide 1 **320**=320W Acrylic 250=250W ML=Pulse Start Refractor 350=350W 480V Metal Halide **400**=400W MT=Multi-Tap 400=400W (Linear Reactor) 1, 2 wired 277V HP=High Pressure Sodium **TT**=Triple-Tap wired 347V **5T**=5-Tap ⁵

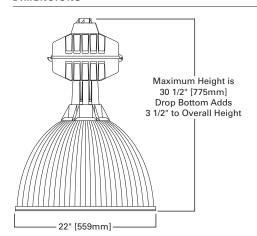
NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting, 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice

Refractor	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
ENPD22	175-400W	40°C	90°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Enclosed and Gasketed Prismatic Acrylic Benchmark utilizes a refractor system for maximum performance. It features a cast aluminum neck for superior strength and a hinged door frame with latches for access to the lamp without tools. The unit is fully enclosed and gasketed at three separate points to prevent entry of external contaminants. U.L. listed and CSA Certified for damp locations.

The Enclosed and Gasketed Prismatic Acrylic Benchmark is perfect for retail, hangars, assembly and auto service areas.



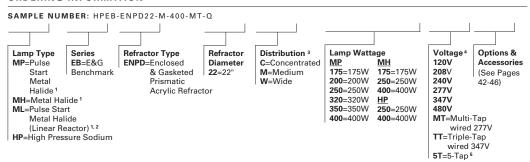
EB 22" E&G PRISMATIC ACRYLIC BENCHMARK

175-400W High Pressure Sodium Pulse Start Metal Halide

Metal Halide

ENCLOSED & GASKETED
PRISMATIC HIGH-BAY
HEAVY-DUTY INDUSTRIAL
LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Die-cast aluminum neck with staggered mounting bosses for eight-position adjustability of the socket which provides a variety of distributions from concentrated to wide
- Clear tempered glass lens in an extruded aluminum hinged door frame with latches allows access for relamping without tools
- Approximate net weight: 48 lbs. (21 kgs.)



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting.

4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 34TV and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice.

Refractor	Lamp	Ambient	Supply
Type	Wattage	Environment	Wire (Min.)
ENPD22	175-400W	40°C	105°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



SS 22" ENHANCED REFRACTOR HIGH-BAY

175-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

ENHANCED REFRACTOR HIGH-BAY INDUSTRIAL LUMINAIRE

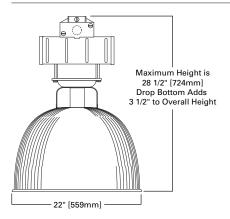
- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and
- Mogul-base porcelain socket
- Universal ladder brackets allow for the flexibility to change out with other reflectors / refractors available in spun aluminum
- Easily mounted microcellular prismatic acrylic refractor has multiple field adjustable distribution patterns for precision control without the glare of traditional clear acrylics
- Approximate net weight: 29 lbs. (13 kgs.)

DESCRIPTION

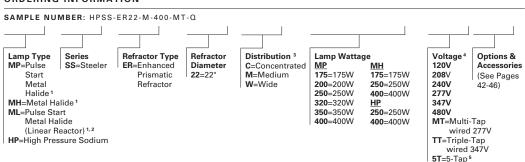
The Enhanced Refractor high-bay combines the popular Steeler ballast housing with a microcellular translucent white acrylic refractor. This technology provides architectural appeal and improved lighting performance at higher ambient ratings. U.L. Listed and CSA certified for damp locations.

The Enhanced Refractor high-bay is perfect for architectural applications like retail stores, wholesale warehouses, grocery chains, malls, and auto show rooms.

DIMENSIONS



ORDERING INFORMATION



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting. 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice.

Refractor	Lamp	Ambient	Supply
	Wattage	Environment	Wire (Min.)
ER22	175-400W	40°C * 55°C ** 65°C (Open)	90°C

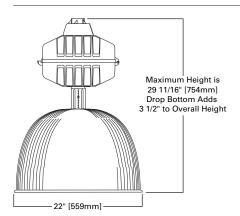
NOTES: * Drop Acrylic Bottom.

** Enclosed Bottom

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The Enhanced Refractor
Benchmark high-bay utilizes a
durable heavy-duty die-cast
aluminum ballast housing and a
microcellular translucent white
acrylic refractor providing
maximum durability. This
technology provides architectural
appeal and improved lighting
performance at higher ambient
ratings. U.L. Listed and CSA
certified for damp locations.

The Benchmark Enhanced Refractor high-bay is perfect for architectural applications like retail stores, wholesale warehouses, grocery chains, malls, and auto show rooms.



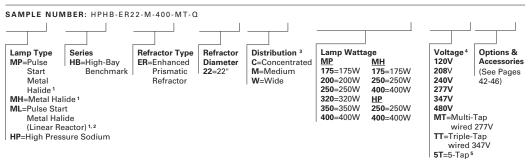
22" ENHANCED REFRACTOR BENCHMARK

175-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

DIE-CAST ALUMINUM ENHANCED REFRACTOR HIGH-BAY HEAVY-DUTY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Universal ladder brackets allow for the flexibility to change out with other reflectors / refractors available in spun aluminum
- Easily mounted microcellular prismatic acrylic refractor has multiple field adjustable distribution patterns for precision control without the glare of traditional clear acrylics
- Approximate net weight: 29 lbs. (13 kgs.)



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Factory set for concentrated, medium or wide distributions only if P (factory pre-set) is in the nomenclature of the fixture. Otherwise shipped in medium setting.

4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 5 88% EISA complaint MP fixtures not available in 5-tap voltages. 6 Specifications and dimensions subject to change without notice.

Refractor	Lamp	Ambient	Supply
	Wattage	Environment	Wire (Min.)
ER22	175-400W	55°C (Enclosed) 65°C (Open)	105°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



PRISMATIC DIRECT- MOUNT STEELER

175-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

DIRECT MOUNT
PRISMATIC HIGH-BAY
INDUSTRIAL LUMINAIRE

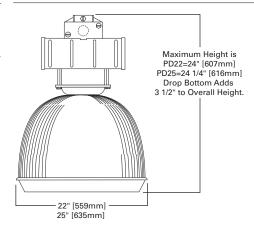
- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and
- Mogul-base porcelain socket
- Acrylic refractor system mounts directly to housing and provides full, even illumination
- Approximate net weight: 46 lbs. (21 kgs.)

DESCRIPTION

The Steeler LX utilizes a heavy-duty formed steel ballast housing and prismatic acrylic refractor and drop refractor system for excellent photometric performance. U.L. listed and labeled for damp location. CSA Certified.

The Steeler LX is perfect for applications requiring vertical and horizontal illumination on multiple surfaces, including fabrication, manufacturing, assembly areas and retail / commercial / industrial warehousing where height restrictions must be considered.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: HPLX-DB25-400-MT-Q

Lamp Type
MP=Pulse
Start
Metal
Halide 1
MH=Metal Halide 1
ML=Prismatic
Direct Mount
Benchmark
Halide 1
ML=Pulse Start
Metal Halide
(Linear Reactor) 1.2

HP=High Pressure Sodium

Refractor Type
PD=Prismatic
Acrylic
Refractor
DB=Prismatic
Acrylic
Refractor
with Drop
Acrylic
Refractor

 MP
 MH

 175=175W
 175=175W

 200=200W
 250=250W

 250=250W
 400=400W

 320=320W
 HP

 350=350W
 70=70W

 400=400W
 100=100W

 150=150W

250=250W

400=400W

NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC poins. 3 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 4 88% EISA complaint MP fixtures not available in 5-tap voltages. 5 Specifications and dimensions subject to change without notice.

Refractor

Diameter

22=22"

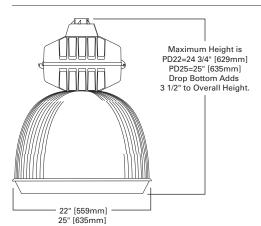
25=25'

Refractor	Lamp	Ambient	Supply
	Wattage	Environment	Wire (Min.)
LX	175-400W	40°C	90°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	70 100 150 250 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)

DIMENSIONS



DESCRIPTION

The BenchMark XB utilizes a durable heavy-duty die-cast aluminum ballast housing and prismatic acrylic refractor and drop refractor system for specification-level performance. U.L. listed and CSA certified. Standard damp location.

The BenchMark XB is perfect for applications requiring vertical and horizontal illumination on multiple surfaces, including fabrication, manufacturing, assembly areas and retail/commercial/industrial warehousing where height restrictions must be considered and durability is desired.



PRISMATIC DIRECT-MOUNT BENCHMARK

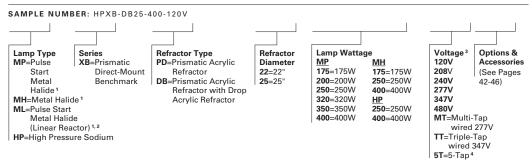
175-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

DIE-CAST ALUMINUM PRISMATIC LOW-BAY HEAVY-DUTY INDUSTRIAL LUMINAIRE

- U.L. listed for damp locations. CSA certified. EISA Complaint
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Durable heavy-duty die-cast aluminum housing for lasting performance in the harshest environments. Integrally hinged for ease of maintenance with optional toolless entry. Finished in a standard white polyester powder paint
- High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH, MP and ML
- Mogul-base porcelain socket
- Acrylic refractor system mounts directly to housing and provides full, even illumination
- Approximate net weight: 45 lbs. (20 kgs.)

ORDERING INFORMATION



NOTES: 1 Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an Open rated socket (OR) and lamp. 2 277V only, not available with HSW, Q, EM, HL or HC options. 3 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 4 88% EISA complaint MP fixtures not available in 5-tap voltages. 5 Specifications and dimensions subject to change without notice.

Refractor	Lamp	Ambient	Supply
	Wattage	Environment	Wire (Min.)
ХВ	175-400W	40°C (175-400W)	105°C

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 277V)



DP AXIO SERIES

192-336W Compact Fluorescent

COMPACT FLUORESCENT HIGH-BAY LUMINAIRE

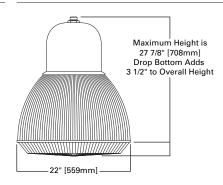
- U.L. listed for damp locations. CSA certified
- Mounting hub is tapped with an opening for 3/4" conduit. Ballast cover is easily removed for easy wiring and installation
- The heavy-duty, spun aluminum housing is finished in a white polyester powder coat standard. Other finish colors available
- Compact Fluorescent electronic ballast in 1 or lamp configuration provides up to four (4) switch level control or optional dimming ballast. Compact Fluorescent ballast are electronic, universal voltage 120-277V, less than 10% harmonic distortion, with minimum starting temperature of 0°C for 32, 42W and -30°C (-22°F) for 60 and 120W
- Compact Fluorescent sockets are rotary lock high temperature PBT material and incorporate: 32W GX24q3 or 42W GX24q4. 60 and 120W is a 2G8
- Available with highefficiency 22" prismatic acrylic refractor or 22" high-reflectance white spun aluminum reflector
- Optional drop bottom and conical bottom refractor or safety glass bottom door
- Approximate net weight: 37 lbs. (16.82 kgs.)

DESCRIPTION

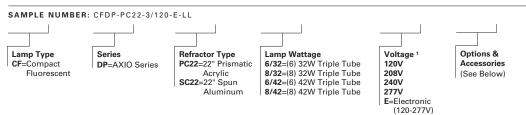
The AXIO Series Luminaire offers unmatched photometric performance with an updated housing style. A wide range of lamp, ballast and optical choices gives the DP series unmatched flexibility and performance capabilities.
U.L. listed and CSA certified for damp location standard.

The AXIO Series is perfect for school gymnasiums, multipurpose rooms, retail stores, auto showrooms, and manufacturing assembly areas.

DIMENSIONS



ORDERING INFORMATION



Options ²

FH-1=Die-cast Aluminum Fixture Hook (with 3/4" threads for easy installation)
FL-1=Malleable Iron Plated Fixture Loop (with 3/4"

FL-1=Malleable Iron Plated Fixture Loop (with 3/4 threads for easy installation)

SCF=3' Aircraft Safety Cable secures Housing to Ceiling (Alternative lengths available. Example: SCF6 = 6' Cable)

LL=Lamp Included (Lamp is Cooper designated product based on luminaire requirements. Lamp is shipped separate from luminaire unless otherwise noted) ³

C3=3' Cord with no plug (Must use with FH-1 or FL-1, or SHK) 4

PC3=3' Cord with NEMA Plug (120V-L5-15P, 208V-L6-15P, 347V-L37-20P, AND 480V-L8-20P) Other cord lengths are available by specifying length (PC6 for 6' Cord) Requires FH-1 or FL-1, or SHK. Example: PC3-120V Use with TPPH-NEMA. Specify ⁴

PC3/4C=3' Cord with NEMA Plug (Dual Switching) 4
PC3/5C=3' Cord with NEMA Plu (Triple Switching) 4
PHC-NEMA=Power Cord and NEMA Plug (18" Power

Cord and 20 AMP NEMA plug configuration). Must be used with FL-1 and TPPH-NEMA (Thru-Way Pendant Power Hook)

DS=Dual Switching ⁴ **TS**=Triple Switching ⁴ **QS**=Quad Switching ⁴

Accessories 5

PC3=3' Cord with NEMA Plug - (120V-L5, 208V-L6-15P, 347V-L37-20P and 480V-L8-20P) Other cord lengths are available by specifying length (PC6 for 6' cord). Requires FH-1 or FL-1, or SHK. Use with TPPH-NEMA. Specify Voltage PHC-NEMA=Power Cord and NEMA plug - 18" Power Cord and 20 Amp NEMA plug configuration. Must be used with FL-1 and TPPH-NEMA (Thru-Way

SGB22=Safety Glass Bottom for 22" Refractor (Not Compatible with WG22 - 400W max.) $^{\rm 6}$

FWG22/WDB=Wire Guard with DB22 Drop Lens for PD 22" Refractor - DB22 not included ⁶

WG22=Wire Guard for PD 22" Refractor (Not compatible with SGB) 6
WGD22=Wire Guard for PD or PC 22" Refractor (Not Compatible with SGB22) 6
WG22/SGB=Wireguard with Glass Lens for 22" Reflector (400W Max.) 6

DB22=Drop Acrylic Refractor for 22" (400W max.)
CB22=Conical Bottom for 22" Refractor (Maximum 400W)

Pendant Power Hook)

FH-1=Fixture Hook

FL-1=Fixture Loop

NOTES: 1 Specify voltage with emergency ballast, plug or MWS options. 2 Add as suffix in the order shown. 3 Specified for lamp to ship with order.Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. 4 Non-switched products provided with standard 3' cord and NEMA plug (120V-L5-15P, 208V-L6-15P, 240V-L6-15P, 347V-L37-20P and 480V-L8-20P). Dual and Triple switching available with cord and plug option in 120 or 277V only. "TS" switching (120V-L21-20P and 277V-L22-20P), "DS" switching (120V-L15-20P and 277-L16-20P). Consult your Cooper Lighting representative for wiring and circuit details. 5 Order separately. 6 Wire guards and lens enclosures

Refractor	Lamp	Ambient	Supply
	Wattage	Environment	Wire (Min.)
DP	192-336W	25°C	90°C

DIMENSIONS

Ceiling Mount Pendant Mount Wall Mount 15/8" [41mm]

Ceiling Mount 4 1/4" [108mm] 9 3/4" [248mm] Small 5 11/16" [145mm] 11 1/2" [293mm] Large **Pendant Mount** 4 1/4" [108mm] 10 1/4" [261mm] Small 5 11/16" [145mm] 12 1/8" [308mm] Large Wall Mount 4 1/4" [108mm] 12 5/8" [321mm] 9 1/2" [242mm] Small 5 11/16" [145mm] 14 1/4" [362mm] 10 9/16" [269mm] Large

DESCRIPTION

Lumark's Vaportight fixtures are designed for heavy-duty, non-corrosive environments. Applications include processing plants, cold storage, foundries, factories, loading docks and retail applications. U.L and CUL listed for non-classified wet locations. For use in 40°C ambient environments.



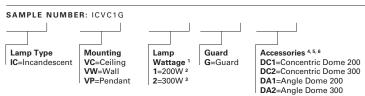
IC VAPORTIGHT

200-300W

INDUSTRIAL SAFETY AND SECURITY LUMINAIRE

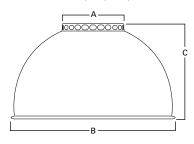
- Housings and threaded guard are die-cast aluminum. Small housing utilizes 1/2" NPS entry while large housing use 3/4" NPS entry. Standard construction includes thru-way wiring for ceiling and wall mount units. Guard is one piece and features stainless steel locking screw for vandal resistance
- Optional pendant mount, wall or ceiling mounting. Wall mount fits 4" round or octagonal J-Box. Pendant mount utilizes 1/2" NPS for small and 3/4" NPS for large
- Sockets are medium-base, porcelain exterior with 150°C wire
- Globe is heat- and impact-resistant glass and accepts up to 200W incandescent in small housing and 300W incandescent in the large housing
- Silicone gasket provides long life vapor seal
- Standard finish is polyester powder coat grey
- IP65 Rated
- Approximate net weight: 5 lbs. (2 kgs.)

ORDERING INFORMATION

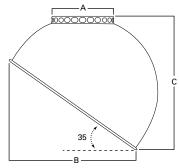


NOTES: 1 Care must be taken in selecting lamps due to size variations by manufacturers. 2 A21 lamp maximum. Lamp not included. 3 PS30 lamp maximum. Lamp not included. 4 Standard finish is polyester powder coat grey with inside painted white. 5 Guard required to install. 6 Order separately.

Concentric Dome (DC1, DC2)



Angle Dome (DA1, DA2)



Concentric Dome	Α	В	С
DC1	4 3/8" [111mm]	11 3/4" [298mm]	6 7/8" [175mm]
DC2	4 3/8" [111mm]	14 11/16" [373mm]	8 11/16" [221mm]
Angle Dome			
DA1	5 13/16" [148mm]	11 3/16" [285mm]	12 3/4" [324mm]
DA2	5 13/16" [148mm]	13 3/4" [349mm]	10" [254mm]

Series	Ambient Environment	Supply Wire (Min.)
Small ICVC1 ICVP1 ICVW1*	40°C	90°C 75°C*
Large ICVC2 ICVP2 ICVW2	40°C	90°C



VAPORTIGHT SMALL

50-100W **Pulse Start Metal Halide** High Pressure Sodium

26-42W Compact Fluorescent

200W Incandescent

INDUSTRIAL SAFETY AND SECURITY LUMINAIRE

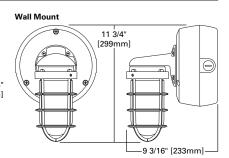
- Housing and threaded guard are die-cast aluminum with 3/4" NPS entry. Standard construction includes thru-way wiring for ceiling or wall mount units. Guard is one piece construction and features stainless steel locking screw for vandal resistance
- · Pendant, surface or wall mounting available. Ceiling mount fits 4" round or octagonal J-Box. Pendant mount utilizes a 3/4" NPS
- · Sockets are 4kv pulserated medium-base porcelain lamp socket for HID applications or Gx24 base for 42W CFL. Lamp included stock packages
- · Globe is heat- and impact-resistant glass and accepts up to 200W incandescent in small housing and 300W incandescent in the large housing
- Silicone gasket provides long life vapor seal in housing
- Approximate net weight: 6-14 lbs. (2.73-6.36 kgs.)

DESCRIPTION

Lumark's Vaportight fixtures are designed for heavy-duty, non-corrosive environments. Applications include accent, entrance/eaves, pathway, recreation, retail, security and transportation applications. U.L and CUL listed for non-classified wet locations.

DIMENSIONS

Ceiling / Pendant Mount 4 1/8' [105mm] 11 51/64' [300mm] 8 3/16" [208mm] -



ORDERING INFORMATION

SAMPLE NUMBER: HPVS-W-GG-100-120 Lamp Type MP=Pulse Start Mounting W=Wall Mount Lamp Wattage Voltage ¹ 120=120V Series Optics Options + **GG**=Glass Jar Accessories HID VS=Vaportight Metal Halide C=Ceiling/Pendant with Globe **50**=50W **277**=277V (See Below) Small HP=High Pressure Mount 70=70W 347=347V **100**=100W **DT**=Dual-Tap Sodium IN=Incandescent MT=Multi-Tap wired 277V PL=Compact Fluorescent 200=200W UNV=120-277V Electronic Ballast PL **26**=26W

32=32W **42**=42W

Options 2 __=Grey (Standard) BK=Black SY=Silver WH=White LL=Lamp Included 3 **UP10**=10% Uplight

F1=Single Fuse (120, 277 or 347V only)

NOTES: 1 Products also available in non-US voltages and 50Hz for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 2 Add as suffix in the order shown. 3 Lamp is Cooper designated product based on luminaire requirements. Lamp is shipped separate from luminaire unless otherwise noted. 4 Order separately. 5 DC1 and DA1 not available with wall mount. 6 Specifications and dimensions subject to change without notice.

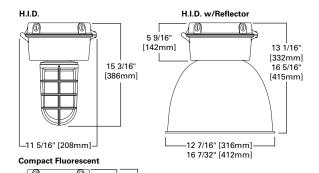
Accessories ⁴
DC1=Concentric Dome 200 ⁵

DA1=Angle Dome 200 5

	Ambient	Supply
Lamp Type	Environment	Wire (Min.)
INC	40°C	90°C*
CFL (26-42W)	40°C	90°C*
HID (50-100W)	40°C (HPS) 25°C (MH)	150°C*

NOTES: * Internal Wiring. Wiring in External J-Box is 90°C.

DIMENSIONS



DESCRIPTION

Lumark's Vaportight fixtures are designed for heavy-duty, non-corrosive environments.

Applications include accent, entrance/eaves, pathway, recreation, retail, security and transportation applications.

U.L and CUL listed for non-classified wet locations.



VAPORTIGHT LARGE

70-175W
Pulse Start Metal Halide
High Pressure Sodium

300W Incandescent

42-57W Compact Fluorescent

INDUSTRIAL
SAFETY AND SECURITY
LUMINAIRE

- U.L. and cUL listed for non-classified wet locations. EISA Complaint
- Housing and threaded guard are die-cast aluminum with 3/4" NPS entry. Standard construction includes thru-way wiring for ceiling or wall mount units. Guard is one piece construction and features stainless steel locking screw for vandal resistance
- Pendant, surface or wall mounting available.
 Ceiling mount fits 4" round or octagonal
 J-Box. Pendant mount utilizes a 3/4" NPS
- Sockets are 4kv pulse-rated medium-base porcelain lamp socket for HID applications or Gx24 base for 42W CFL. Lamp included stock packages
- Globe is heat- and impact-resistant glass and accepts up to 200W incandescent in small housing and 300W incandescent in the large housing
- Silicone gasket provides long life vapor seal in housing
- Approximate net weight:

6-14 lbs. (2.73-6.36 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: HPVL-C-GG-175-120

-11 5/16" [208mm] ^{_]}

[102mm]

13 1/2" [344mm]

Lamp Lamp Type Mounting Optics Voltage 2 Options + C=Ceiling / MP=Pulse Start Metal Halide **120**=120V **277**=277V GG=Glass .lar Wattage Accessories Pendant PV12=12" Direct Mount HID (See Below) HP=High Pressure Prismatic Lens 1 **70**=70W **347**=347V PV16=16" Direct Mount Prismatic Lens 1 100=100W **DT**=Dual-Tap **MT**=Multi-Tap wired 277V Sodium 150=150W

Spun Aluminum Reflector¹

SV16=16" Direct Mount

IN=Incandescent
PL=Compact
Fluorescent

Series
VL=Vaportight Large

. . .

Options 3
__=Grey (Standard)

SY=Silver WH=White

BZ=Bronze F1=Single Fuse (120, 277 or 347V only)

LL=Lamp Included

UP10=10% Uplight

Q=Quartz Restrike (Hot Strike Only) 5
FH-1=Die-cast Aluminum Fixture Hook

(w/ 3/4" threads for easy installation) **FL-1=**Malleable Iron Plated Fixture Loop

(w/ 3/4" threads for easy installation) SHK=Die-cast Aluminum Fixture Hook

SHK=Die-cast Aluminum Fixture Hook (w/safety screws and 3/4" threads for easy installation) PC3=3' Cord with NEMA Plug (120V-L5-15P, 208V-L6-15P, 347V-L37-20P, and 480V-L8-20P) Other cord lengths are available by specifying length (PC6 for 6' Cord) Requires FH-1 or FL-1, or SHK. Example: PC3-120V Use with TPPH-NEMA. Specify Voltage.

Accessories

SGB16=Safety Glass Bottom for 16" Refractor (Not compatible with "WG") (250W maximum)

UNV=120-277V Electronic Ballast

WG16/SGB=Gym Wire Guard with Safety Glass Bottom for 16" Refractor WGD16=Wire Guard for DB16

DB16=Drop Bottom Lens (250W maximum)

175=175W

300=300W

42=42W

57=57W

IN

CF

CB12=Conical Bottom Lens for 12" Refractor

CB16=Conical Bottom Lens for 16" Refractor

DC2=Concentric Dome 3007 DA2=Angle Dome 3007

NOTES: 1 Damp location listed. 2 Products also available in non-US voltages and 50Hz for international markets. Consult your Cooper Lighting Representative for availability and ordering information. 3 Add as suffix in the order shown. 4 Lamp shipped separately. 5 Not for use with "GG" optics. 6 Order separately. 7 Requires "GG" optics. 8 Specifications and dimensions subject to change without notice.

Lamp Type	Ambient Environment	Supply Wire (Min.)
CFL (42-57W)	40°C	90°C *
HID (70-175W)	40°C (100W) 25°C (150 & 175W)	105°C *



CML LUMAWATT INDUSTRIAL HID DIMMING SYSTEM

Controls all LumaWatt Equipped Lumark HID Industrial Luminaires

CONTROL MODULE

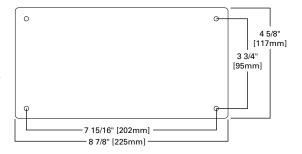
- Low voltage output controls up to 25 LumaWattequipped fixtures
- Allow daisy-chaining of multiple controllers
- Terminal block provides input connections for one to six passive infrared motion sensors
- Input terminal allows use of user-supplied drycontact switch. Switch overrides motion sensors, putting system into high brightness mode
- Standard transformer accepts 120V or 277V user-configurable input. 208V, 240V, 347V and 480V are also available
- Three front panel lights show system status: amber indicates that the controller is receiving power, red indicates that output from the controller is at full brightness and green indicates that output is at low brightness
- Front panel test switch provides same function as remote dry-contact switch
- CMOS timer maintains system in full brightness mode for a 15 minute warm-up period when power is applied
- Operating temperature 2°C (35°F)—55°C (131°F)

DESCRIPTION

The LumaWatt controller accepts inputs from up to four remotemounted motion detectors and provides a low-voltage output capable of controlling up to 25 fixtures. Upon receiving a 24 volt DC signal from an attached motion sensor or dry contact switch, it switches connected fixtures from low intensity to high, providing maximum light when an area is occupied and lowered energy usage when the area is empty. U.L. listed and CSA certified.

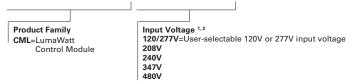
DIMENSIONS





ORDERING INFORMATION

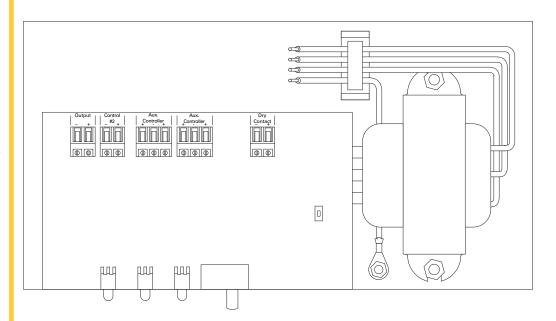
SAMPLE NUMBER: SAMPLE NUMBER: CML-120/277



LumaWatt Lamp Input Watts

Wattage	High (HW)	Low	Change (PC)
Metal Hali	de		
1000W	1080	666	38%
400W	455	238	48%
250W	295	162	45%
175W	209	101	52%

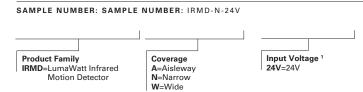
Wattage	High (HW)	Low	Change (PC)
High Press	ure Sodium		
1000W	1100	616	44%
400W	465	215	54%
250W	300	151	50%
150W	196	118	40%



DIMENSIONS

3 5/16" [84mm] 2 1/4" [57mm] 2" [51mm] 2" [51mm] 4" [102mm]

ORDERING INFORMATION



DESCRIPTION

LumaWatt motion detectors work in conjunction with the LumaWatt controller and fixture dimmers to provide bi-level lighting control based upon an area's occupancy. Motion detectors are passive infrared type and react to changes in infrared energy (heat) within the coverage area.

Excellent for controlling energy costs in any area occupied less than 100% of the time. Rated for use in 55°C (131°F) ambient environment (performance will degenerate at ambient temperatures above 35°C (95°F), requiring higher sensitivity settings and shortening coverage areas).



LUMAWATT INDUSTRIAL HID DIMMING SYSTEM

INFRARED MOTION DETECTOR

- Power to the motion detector (24V DC) is supplied by the control module. The Detector uses a standard galvanized steel 4x4 J-box with (1) 3/4" and (2) 1/2" knockouts on all four sides for DC control circuit connection exit. Can be mounted flush to wall or ceiling, or suspended from conduit
- Provides aiming flexibility when positioning motion detector
- Available in three coverage patterns, for aisleways, narrow areas or wide areas
- Provides visual indication of when the sensor is detecting motion
- Bank of five DIP switches controls amount of time that system stays at full brightness after motion in an area ceases
- Up to four motion detectors can be daisey chained together per controller
- Use in conjunction with "HL" or "HC" option on luminaires

FIG. 1 IRMD-A / IRMD-A-24V

Infrared Motion Detector / Aisleway Coverage / Ceiling Mounted / 30' Mounting Height (Dotted lines indicate coverage area for 15' mounting height)

FIG. 2 IRMD-W / IRMD-W-24V

Infrared Motion Detector / Wide Coverage / Wall Mounted / 10' Mounting Height

IRMD-N / IRMD-N-24V
Infrared Motion Detector / Narrow
overage / Wall Mounted / 10' Mounting
Height

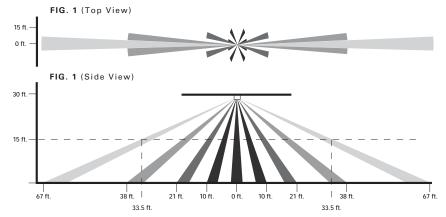
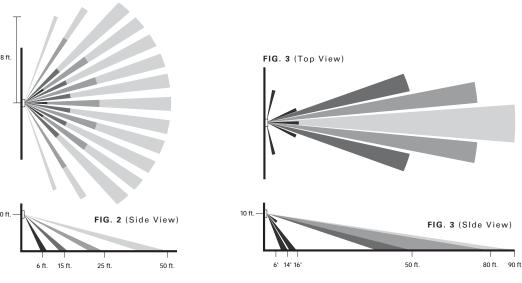


FIG. 2 (Top View)



NOTES: 1 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 2 Add as suffix to any Lumark indoor industrial fixture. 3 30 second time delay when switching from bright to dim. 4 Order separately. 5 See separate cut sheet for full details on control module. 6 Specifications and dimensions are subject to change without notice.



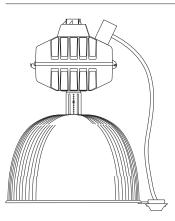
IRMS INDIVIDUAL FIXTURE CONTROL OPTION

INFRARED INTEGRAL MOTION SENSOR

- · Sensor is wired directly to the luminaire and operates on 120V with Magnetic CWA HID ballast systems. The detector is pre-wired and mounted to junction box. Ballast assembly shipped with wiring compartment for connection to ballast. Specify "HSW" options for Magnetic H.I.D. luminaires and open and enclosed Steeler and Benchmark **luminaires**
- Unit comes with all necessary hardware to mount to a wide variety of open or enclosed optical assemblies.
 Consult individual specification sheets for compatibility and ordering logic
- 360° viewing allows coverage between luminaires. Ideal for mounting heights from 15-45 feet
- Green LED provides visual indication of when the sensor is detecting motion
- Luminaire ships with 15 minute start up timer. Sensors can be adjusted from 30 seconds to 20 minutes
- Standard sensor operates from -10°C to 55°C. Low Temperature option (LT) operates from -40°C to 55°C. Relative humidity of 20%-90%, noncondensing

DESCRIPTION

LumaWatt motion detector works in conjunction with fixture dimmers to provide bi-level control based on an area's occupancy. Motion detector is passive infrared type and reacts to changes in infrared energy (heat) within the coverage area.



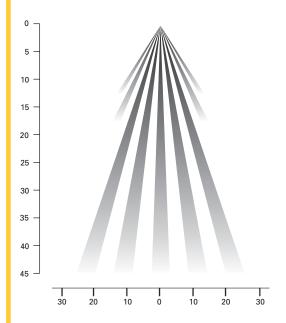
ORDERING INFORMATION 1

SAMPLE NUMBER: SAMPLE NUMBER: MHSS-SA18-M-400-MT-HSW

OPTIONS

HSW=Integral LumaWatt Sensor and with Wide Distribution Control for CWA Magnetic Ballast

COVERAGE PATTERN



OPTION DESCRIPTIONS

Lumark offers a full complement of options and accessories that allow the products to be customized to particular applications or installations. Options should be listed in the order shown at end of the part number and separated by dashes. See Steeler and Benchmark chart for housing/optical compatibility.

- **PS** [Protective Starter] Prevents damage to the ballast or related system wiring by disconnecting the ignitor if a lamp has failed or is missing. Operates with High Pressure Sodium and Pulse Start Metal Halide lamps up to 1000W.
- P [Pre-set Socket Position from the factory] Shipped pre-set for specified distribution from factory.
- OR [Open Rated Socket] Required in applications where open rated restricted base lamps must be used. Socket is "Pink" to denote open rated lamp base only. See lamp manufactures for additional information.
- SS [Space Saver] Same as remote mount but optical shipped with loop and 3' cord with for easy connection to ballast housing.
- QB [Quiet Ballast] Potted ballast eliminates ballast noise associated with traditional Magnetic Core and Coil ballast. Ideal for applications where elimination of secondary noise is needed such as gymnasiums and multi-purpose areas. Available on the Benchmark ballast housing only. Available on 250-1000W ballast only.
- DL100 [100% Downlight] Available on SA18 or SA23 aluminum reflectors only.
- QD [Quick Disconnect] Die-cast Pendant Mount Box—Specify Single Voltage (not compatible with PC3, PHC, C3, MWS, RM or HC). Full Load Disconnect module allows for removal of luminaire while circuit is still energized. U.L. listed as a load-break device.
- **RM** [Remote Mount] Ballast and reflector mounting bracket can be hard wired and installed separate. Allows the ballast to be mounted at further distance or allow for overall reduction in luminaire height. Distance my be limited for certain ballast types and wattages.
- TE [Toolless Entry] Available for Benchmark ballast housing only.
- HL [LumaWatt Fixture Control Module] Allows low voltage control wire to be daisy-chained between fixtures outside AC conduit run similar to low voltage intercom's, fire alarms and phone systems.
- HC [LumaWatt Fixture Control Module] Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit.
- HSW [LumaWatt Integrated Sensor Control] Allows use with CWA magnetic ballast and integrated 120V sensor.
- Q [Quartz Restrike DC Bayonet Base] Lamp strikes after momentary power interruption that causes the main HID lamp to extinguish. Lamp will stay on until HID lamp restrikes. Quartz lamp will not come on at initial cold start.
- EM [Quartz Restrike with "Delay Relay"] Same as "Q" option but lamp strikes at both hot and cold starts. Lamp stays on for two minutes to allow lamp to get to full brightness.
- EM/SC [Quartz Restrike wired for Separate Circuit] Allow quartz lamp socket to be wired to separate 120V emergency power system.
- F1 [Single Fuse (120, 277 or 347V only)] In-line fusing isolates inoperative luminaires from circuit and protects luminaires from in-rush current flow. All fusing on industrial luminaires is external for easy access and maintenance.
- F2 [Double Fuse (208, 240 or 480V only)] In-line fusing isolates inoperative luminaires from circuit and protects luminaires from in-rush current flow. All fusing on industrial luminaires is external for easy access and maintenance.
- VI [Visual Indicator] Externally mounted LED signal allows quick diagnostic from ground to determine lamp or ballast failure. The LED will flash which indicates lamp failure. The LED does not light which indicates probable ballast failure. Available in 175-400W Metal Halide, 50-400W High Pressure Sodium and 50-450W Pulse Start Metal Halide.
- FILT [Sintered Bronze Filter] Allows Enclosed and Gasketed luminaires to breathe during start-up and shutdown times. Sintered bronze filter prevents the entrance of contaminants. Not offered with "WL" option.
- FH-1 [Die-cast Aluminum Fixture Hook] with 3/4" threads for easy installation. Can also be ordered separately as an accessory.
- FL-1 [Malleable Iron Plated Fixture Loop] with 3/4" threads for easy installation. Can also be ordered separately as an accessory.
- SHK [Die-cast Aluminum Fixture Hook] with safety screw and 3/4" threads for easy installation. Can also be ordered separately as an accessory.
- PC3-XXXV [3' cord with NEMA plug] (120V-L5-15P, 208V-L6-15P, 240V-L6-15P, 277V-L7-15P 347V-L37-20P, AND 480V-L8-20P) Other cord lengths are available by specifying length (PC6 for 6' cord). Requires FH-1, SHK or FL-1. EXAMPLE: PC3-120V. Can also be ordered separately as an accessory.
- PHC-XXXV [Power Cord and Plug] 18" Power Cord and Non-NEMA plug configuration. Must be used with FL-1, SHK and TPPH (Thru-Way Pendant Power Hook). Can also be ordered separately as an accessory.

OPTION DESCRIPTIONS

PHC-XXX-NEMA [Power Cord and NEMA Plug] 18" Power Cord and 20 Amp NEMA plug configuration. Must be used with FL-1, SHK and TPPH-NEMA (Thru-Way Pendant Power Hook). EXAMPLE: PHC-120V-NEMA. Can also be ordered separately as an accessory.

C3 [3' Cord with no plug] Must use with FH-1, SHK or FL-1. Can also be ordered separately as an accessory.

MWS [Modular Wiring Systems] Can also be ordered separately as an accessory.

SCF 3' Aircraft Safety Cable secures housing to ceiling. Alternative lengths available. EXAMPLE: SCF6=6' Cable.

SCR Aircraft Safety Cable for housing to reflector.

L/TCB [Less Top Connector box] Housing shipped less top connector box. Used when using TWMBS (Steeler Family) and TW (Benchmark Family) accessories.

LL [Lamp Included] Specified for lamp to ship with order. Lamp is Cooper designated product based on luminaire requirements. Lamp is shipped separate from luminaire unless otherwise noted.

QLL [Quartz Lamp Included] Can be specified when Q, EM or EM/SC option is included. Specified for lamp to ship with order. Lamp is Cooper designated product based on luminaire requirements. Lamp is shipped separate from luminaire unless otherwise noted.

WL [Wet Location Listed Luminaires] U.L. listed and CSA certified for wet locations. Check chart for availability. Not available with all options and accessories. Consult product specification sheets for more details.

WLB U.L. Labeled for Wet Locations with Die-Cast Box for 3/4" Conduit Entry (Vertimark II Only).

WLD U.L. Labeled for Wet Locations with Quick Disconnect (Vertimark II Only).

WLP U.L. Labeled for Wet Locations Suitable for Surface or 4" J-Box Mounting (Vertimark II Only).

WG [Wire Guard] Wire Guard factory installed. Available on ENGR16 & ENGR21 only. Must be specified with the fixture.

WG18 [Wire Guard] Wire Guard factory installed. Available on ENSA18 only. Must be specified with the fixture.

WG23 [Wire Guard] Wire Guard factory installed. Available on ENSA23 only. Must be specified with the fixture.

Lenses + Wire Guard Accessories [order separately] 1

Aluminum [High-Bays]

SGB15 Safety Glass Bottom for SA15 (not compatible with "WG15") 2

SGB18 Safety Glass Bottom for SA18 (not compatible with "WG18") ²

SGB19 Safety Glass Bottom for AV19 (not compatible with "WG19") 2

SGB23 Safety Glass Bottom for SA23 (not compatible with "WG23") 2

WG15 Wire Guard for SA15 (not compatible with "SGB15")

WG18 Wire Guard for SA18 (not compatible with "SGB18")

WG19 Wire Guard for AV19 (not compatible with "SGB19")

WG23 Wire Guard for SA23 (not compatible with "SGB23")

WG15/GLC Gym Wire Guard w/ Safety Glass for SA15 ²

WG18/GLC Gym Wire Guard w/ Safety Glass for SA18 ²

WG19/GLC Gym Wire Guard w/ Safety Glass for AV19 ²

WG23/GLC Gym Wire Guard w/ Safety Glass for SA23 ²

Aluminum [Low-Bays]

WG22/EP Wire Guard for 22" Enterprise

WG28/EP Wire Guard for 28" Enterprise

WG/LM Wire Guard for Apollo

Borosilicate Glass

GFWG16/WG Glass Full Wire Guard for Open GR16 (SGB not Included)

GFWG21/WG Glass Full Wire Guard for Open GR21 (SGB not Included)

GTWG16 Top Full Wire Guard 16" Refractor for GR16 & ENGR16

GTWG21 Top Full Wire Guard 21" Refractor for GR21 & ENGR21

SGB16/GR 16" Safety Glass Bottom for Open GR16 ²

SGB21/GR 21" Safety Glass Bottom for Open GR21 ²

WG16/GR Wire Guard for 16" Refractor for Open GR16

WG21/GR Wire Guard for 21" Refractor for Open GR21

WG16/GLC/GR Wire Guard with Safety Glass Bottom for Open 16" Refractor

WG21/GLC/GR Wire Guard with Safety Glass Bottom for Open 21" Refractor

OPTION DESCRIPTIONS

Lenses + Wire Guard Accessories [order separately] 1

Prismatic Acrylic

CB22 Conical Bottom Lens for 22" Refractor for PD22 and ER22 (400W maximum)

DB16 Drop Lens for 16" Refractor for PD16 (250W maximum)

DB22 Drop Lens for 22" Refractor for PD22 and ER22 (400W maximum)

DB25 Drop Lens for 25" Refractor for PD25 (400W maximum)

FWG16/WG16 Full Wire Guard for PD16 ("SGB" not included)

FWG22/WG22 Full Wire Guard for PD22 and ER22 ("SGB" not included)

FWG25/WG25 Full Wire Guard for PD25 ("SGB" not included)

FWG16/WG16/SGB16 Full Wire Guard for 16" Refractor & SGB16 lens

FWG22/WG22/SGB22 Full Wire Guard for 22" Refractor & SGB22 lens

FWG25/WG25/SGB25 Full Wire Guard for 25" Refractor & SGB25 lens

FWG22/WG22/WDB [Full Wire Guard] Full Wire Guard for use with DB22 Drop Lens for PD 22" Refractor ("DB22" not included)

FWG25/WG25/WDB [Full Wire Guard] Full Wire Guard for use with DB25 Drop Lens for PD 25" Refractor ("DB25" not included)

SGB16 Safety Glass Bottom for 16" Refractor (not compatible with "WG") (250W maximum) 1

SGB22 Safety Glass Bottom for 22" Refractor (not compatible with "WG") (400W maximum) 1

SGB25 Safety Glass Bottom for 25" Refractor (not compatible with "WG") (400W maximum) ¹

WG16 Wire Guard for 16" Refractor (not compatible with "SGB")

WG22 Wire Guard for 22" Refractor (not compatible with "SGB")

WG25 Wire Guard for 25" Refractor (not compatible with "SGB")

WGD16 Wire Guard for DB16

WGD22 Wire Guard for DB22

WGD25 Wire Guard for DB25

WG16/SGB Gym Wire Guard with Safety Glass Bottom for 16" Refractor (250W maximum) ¹

WG22/SGB Gym Wire Guard with Safety Glass Bottom for 22" Refractor (400W maximum) 1

WG25/SGB Gym Wire Guard with Safety Glass Bottom for 25" Refractor (400W maximum) ¹

Mounting Accessories [order separately]

TWMBS Thru-way Mounting Box (Steeler Only)

TW Thru-way Mounting Box (Benchmark Only)

MBT Twin Mount Bracket (Fixtures must be same voltage and without hooks, loops or plugs)

TPPH-XXXV-NEMA Thru-way Pendant Power Hook. Requires FL-1, SHK and PHC-XXXV-NEMA. Specify Voltage

TPPH-XXXV Thru-Way Pendant Power Hook Requires FL-1, SHK and PHC. Specify Voltage

TPPH-F-XXXV Thru-Way Pendant Power Hook–Single Fuse, 120, 277 or 347 Volt. Requires FL-1, SHK and PHC. Specify Voltage

TPPH-F2-XXXV Thru-Way Pendant Power Hook–Double Fused, 208, 240 or 480 Volt. Requires FL-1, SHK and PHC. Specify Voltage

TPPH-F-QD-XXXV Thru-Way Pendant Power Hook–Single Fuse, Quick Disconnect. Requires FL-1, SHK and PHC. Specify Voltage

TPPH-F2-QD-XXXV Thru-Way Pendant Power Hook–Double Fused, Quick Disconnect. Requires FL-1, SHK and PHC. Specify Voltage

Decorative Shades [order separately]

Catalog	Shade	(A)	(A)	(B)	(B)	Fixture
Number	Description	Inches	Metric	Inches	Metric	Reflector
Size						
S51003	Round Decorative	17 1/2"	44.45 cm	17"	43.18 cm	15"
S51004	Round Decorative	17 1/2"	44.45 cm	27 1/2"	69.85 cm	15"
S51005	Round Decorative	20 1/2"	52.07 cm	27 1/2"	69.85 cm	18"
S51006	Round Decorative	25 1/2"	64.77 cm	34 1/2"	87.63 cm	23"
S51103	Square Decorative	17 1/2"	44.45 cm	17"	43.18 cm	15"
S51104	Square Decorative	17 1/2"	44.45 cm	27 1/2"	69.85 cm	15"
S51105	Square Decorative	20 1/2"	52.07 cm	27 1/2"	69.85 cm	18"
S51106	Square Decorative	25 1/2"	64.77 cm	34 1/2"	87.63 cm	23"
S51203	Hexagon Decorative	17 1/2"	44.45 cm	17"	43.18 cm	15"
S51204	Hexagon Decorative	17 1/2"	44.45 cm	27 1/2"	69.85 cm	15"
S51205	Hexagon Decorative	20 1/2"	52.07 cm	27 1/2"	69.85 cm	18"
S51206	Hexagon Decorative	25 1/2"	64.77 cm	34 1/2"	87.63 cm	23"

NOTE: Has to be installed when fixture is installed. Specify color. **EXAMPLE**: S51003BLK

OPTIONS CAPABILITY MATRIX [ORDER SEPARATELY]

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SS Steeler Aluminum High-Bay	-	•	٠	١.	ŀ	·	•	•	•	•		•	١.			•	•	•		H	•	•	•	•		·		\vdash	\vdash	Ė					<u> </u>	-	\vdash	
SE E&G Aluminum High-Bay		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
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EP Enterprise 22		•	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•	•			•		_	•	•							
EP Enterprise 28		•	•	•		•	•	•	•	•		•	•	•	•	•	•	•			•	•	•	•	•	_	•		_	•	•							
SG Prismatic Glass High-Bay	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•			•	,	•	•	•	•	•			Ť	•							
SE E&G Gasketed Glass		•		•	٠	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	•	•	•	•	•			•	•							
SS Prismatic		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•			•	•	•	•	•	•	•			_	•							
SE E&G Gasketed Acrylic		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	•	•	•	•		•	•	•							
SS Enhanced Refractor		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•		•		•	•	•	•	•			-	•							
LX Prismatic Direct Mount		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	_	•	_	•	•	_	_	•			_	•							





SS 16", 22" & 25" Prismatic High-Bay **p.26**



SE 16" & 21" E&G Glass Steeler p.25



SG 16" & 21" Prismatic Glass High-Bay p.23



EP Enterprise 22 & 28 **p.19**





SE E&G VertX p.17







SE 18" & 23" E&G Steeler **p.11**

SS 15", 18" & 23" Steeler p.9





r LX 22" & 25" Prismatic Direct-Mount Steeler p.33 SS 22" Enhanced Refractor High-Bay Steeler p.31



SE 22" E & G Prismatic Acrylic Steeler p.29

OPTIONS CAPABILITY MATRIX [ORDER SEPARATELY]

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P (Vertimark II)															•
SMW					•									-	•
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F2 (208, 240, 480V)	•	•	•	•	•	•	•	•	•	•	•	•		•	•
F1 (120, 277, 347V)	•	•	•	•	•	•	•	•	•	•	•	•		•	•
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BENCHMARK HOUSING	HB Benchmark	EB E&G Aluminum High-Bay	UB Benchmark Uplight	HB VertX	EB VertX	RB Low-Bay	GB Prismatic Glass High-Bay	EB E&G Gasketed Glass	HB Prismatic Acrylic	EB E&G Gasketed Acrylic	HB Enhanced Refractor	XB Prismatic Direct-Mount	OTHER HOUSINGS	VF Vertimark	BE Vertimark II
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HB 16", 22" & 25" Prismatic Benchmark p.28





RB Low-Bay Benchmark p.20

EB E&G VertX p.18

HB VertX p.16

UB Benchmark Uplight p.13

EB 18" & 23" E&G Benchmark **p.12**

HB High-Bay Benchmark p.10









DP AXIO Series [Compact Fluorescent] p.35



BE Vertimark II p.22







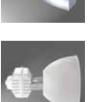
VF Vertimark p.21







HB 22" Enhanced Refractor XB 22" & 25" Prismatic High-Bay Benchmark Direct-Mount Benchmark p.32 p.34



EB 22" E&G Prismatic Acrylic Benchmark p.30



QC **QUADRA-MARK**

175-400W **Pulse Start Metal Halide** Metal Halide

RECESSED COMMERCIAL

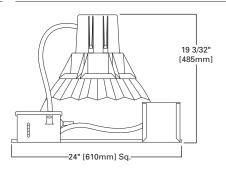
- UL Listed. CSA Certified. **EISA Compliant**
- · Heavy-duty die-cast aluminum socket housing, finished with white polyester powder coat, allows full adjustment of socket assembly for a variety of distributions from concentrated to wide
- Computer-designed spun aluminum faceted reflector offers maximum light output with minimum voltage rise
- The thermally protected, high power factor 60Hz Metal Halide ballast is U.L. listed
- · Prime cold-rolled steel pan is die-formed for maximum rigidity and has a 45° angled lip around the reflector opening to help reduce glare. It is finished with a white polyester powder coat and mounts easily into inverted T-bar ceilings
- Approximate net weight: 42 lbs. (19 kgs.)

DESCRIPTION

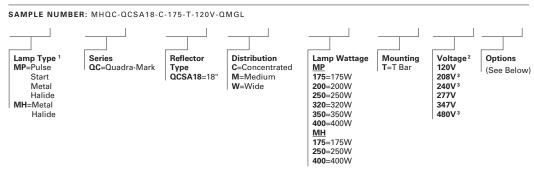
The Lumark Quadra-Mark is designed for easy installation on main T-bars or can be hung by wires in lay-in ceilings with 2' x 2' tiles

The Quadra-Mark provides excellent distribution with minimal glare for use in supermarkets, hardware stores, auto showrooms, airport terminals, shopping malls and other areas with high ceilings requiring performance and aesthetics.

DIMENSIONS



ORDERING INFORMATION



Options 4
OR=Open Rated Socket for MH Lamps
Q=Quartz Restrike (Hot Strike Only)

EM=Quartz Restrike with "Delay Relay" (Quartz lamp strikes at both hot and cold starts) 5

EM/SC=Emergency Separate Circuit LL=Lamp Included ⁶

F1=Single Fuse (120, 277 or 347V only)

F2=Double Fuse (208, 240 or 480V only)

HL=LumaWatt Fixture Control Module (Allows low voltage control wire to be daisy-chained between fixtures outside AC conduit run similar to low voltage intercom's, fire alarms and phone systems)7

HC=LumaWatt Fixture Control Module (Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit) 7

DL=U.L. Labeled for Damp Locations

QMGL=Safety Glass Lens 8

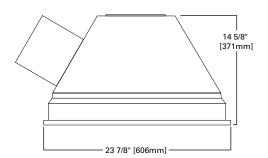
WG/QC=Wire Guard

QMGL/WG=Safety Glass Lens with Wire Guard®

NOTES: 1 Approved lamp containment barrier required when enclosed rated MP and MH lamps are used. 2005 NEC code requires that open luminaires must utilize a safety glass bottom (SGB) accessory or an open rated socket (OR) and lamp. 2 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 88% EISA compliant MP fixtures not available in 347V. 3 Not available in Canada. 4 Add as suffix in the order shown. 5 Not available with HC or HL. 6 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 7 Not available with EM or EM/SC. 8 Requires relamping of unit from above ceiling plane 9 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W

DIMENSIONS



DESCRIPTION

The Lumark Quadra-Lume is perfect for applications which call for reliable, affordable illumination with minimal maintenance. Quadra-Lume is designed for easy installation on main T-bars or can be hung by wires in lay-in ceilings with 2' x 2'

The Quadra-Lume provides minimum surface brightness, excellent uniformity and gentle diffusion. It is ideal for use in department stores, banks, auto showrooms, schools, libraries, office buildings and auditoriums.



QUADRA-LUME

70-400W **High Pressure Sodium Pulse Start Metal Halide** Metal Halide

RECESSED COMMERCIAL WITH SPECULAR LOUVERS

- UL Listed. CSA Certified. **EISA Compliant**
- Die-formed heavy-duty housing is made of cold-rolled steel and finished in highly reflective white polyester powder coat. Stamped steel ballast mounting bracket is integral part of housing
- Die-formed steel reflector has removable panels for easy ballast access from below
- Die-formed heavy-gauge steel frame can be hinged and latched from either side. Stamped steel retaining clips assure flush fit of lens with frame
- Nine- or 16-cell, 4" deep, regressed specular louvers
- Approximate net weight: 49 lbs. (22 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: MHQP-S4/9-400-120-Q

Lamp Wattage ³ Louver Color Louver Size Voltage 4 Options & Lamp Type MP=Pulse **QP**=Quadra-Lume \$4=Silver Louver, /9=Nine-cell Louver MP 120V Accessories Start 4" Deep /9/GL=Nine-cell Louver **70**=70W 208V w/ Specular (See Below) Metal with Glass Overlay **100**=100W 240V /16=16-cell Louver /16/GL=16-cell Louver Halide 1,2 175=175W 277V **200**=200W MH=Metal 347V Halide 1 with Glass Overlay 250=250W **320**=320W **350**=350W **HP**=High Pressure Sodium **400**=400W MH 175=175W **250**=250W 400=400W HP **70**=70W **100**=100W 150=150W 250=250W

400=400W

FTA=Flush Drywall Frame Kit, Natural Anodized Aluminum

WGQF=Wire Guard 13

FTB=Flush Drywall Frame Kit, Black

FTW=Flush Drywall Frame Kit, White

Options !

OR=Open Rated Socket for MH Lamps
OB=Quiet Ballast 6

Q=Quartz Restrike (Hot Strike Only)

EM=Quartz Restrike with "Delay Relay"
(Quartz lamp strikes at both hot and cold starts) 7

EM/SC=Emergency Separate Circuit

LL=Lamp Included ⁸
SCF=3' Aircraft Safety Cable Secures Housing to Ceiling

(Alternative lengths available. Ex: SCF6=6' Cable)

BDF=Black Door Frame

G2=Double Gasketing Doors (Door to Lens, Lens to Door)

VL=Vertical Lamp ^s
F1=Single Fuse (120, 277 or 347V only)
F2=Double Fuse (208, 240 or 480V only)

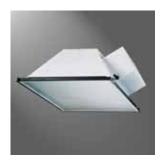
HL=LumaWatt Fixture Control Module (Allows low voltage control wire to be daisy-chained between fixtures outside AC conduit run similar to low voltage intercom's, fire alarms and phone

HC=LumaWatt Fixture Control Module (Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit) 10, 11

DL=U.L. Labeled for Damp Locations

NOTES: 1 Fixtures with Metal Halide lamps MUST have glass overlay (GL), 2 150, 175, 200, 250, 320, 350 and 400W only, 3 All lamps are mogul-base, 150W-MH are available medium-base. 4 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 88% efficient EISA compliant MP fixtures not available in 347V. 5 Add as suffix in the order shown. 6 120/277V Metal Halide only. 7 Not available with HC or HL. 8 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Adds 3 1/4" to overall fixture height. 10 Requires vertical lamp option (VL). 11 Not available with EM or EM/SC. 12 Order separately. 13 Not available with FTA, FTB or FTW. 14 Specifications and dimensions subject to change without notice

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	70, 100, 150, 250, 400W



QUADRA-LUME

70-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

RECESSED COMMERCIAL WITH FLAT LENS

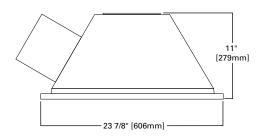
- UL Listed. CSA Certified. **EISA Compliant**
- Die-formed heavy-duty housing is made of coldrolled steel and finished in highly reflective white polyester powder coat. Stamped steel ballast mounting bracket is integral part of housing
- · Die-formed steel reflector has removable panels for easy ballast access from below
- · Die-formed heavy-gauge steel frame can be hinged and latched from either side. Stamped steel retaining clips assure flush fit of lens with frame
- · Gasketed flat prismatic acrylic, acrituf or C73 glass lens
- Approximate net weight: 39 lbs. (18 kgs.)

DESCRIPTION

The Lumark Quadra-Lume is perfect for applications which call for reliable, affordable illumination with minimal maintenance. Quadra-Lume is designed for easy installation on main T-bars or can be hung by wires in lay-in ceilings with 2' x 2'

The Quadra-Lume provides minimum surface brightness, excellent uniformity and gentle diffusion. It is ideal for use in department stores, banks, auto showrooms, schools, libraries, office buildings and auditoriums.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: MHQF-GS-C73-400-120V-Q

Lamp Type MP=Pulse Series Door Frame QF=Quadra-Lume GS/=Flat Steel Start GO/GAS/=Flat Aluminum w/ Flat Lens Metal GMXF/=Flat, Non-floating Halide 1,2 Aluminum MH=Metal Door Frame Halide 1 GMXR/=3/8" Regressed **HP**=High Non-floating Pressure Aluminum Sodium Door Frame

A=Acrylic A/GL=Acrylic with Glass Overlay ACTF.140=Acrituf, .140" thick ACTF.187=Acrituf, .187" thick H8246=Holophane 8246 C73=Prismatic Tempered Glass Lens PL=Polycarbonate

Lens Type

Lamp Wattage 3 MP **70**=70W 100=100W **175**=175W **200**=200W 250=250W **320**=320W 350=350W 400=400W MH **175**=175W **250**=250W **400**=400W <u>HP</u> **70**=70W **100**=100W **150**=150W

Voltage 6 Options & 120V Accessories 208V (See Below) 240V 277V

Options 5

OR=Open Rated Socket for MH Lamps

QB=Quiet Ballast 6

Q=Quartz Restrike (Hot Strike Only)
EM=Quartz Restrike with "Delay Relay"

(Quartz lamp strikes at both hot and cold starts) 7

EM/SC=Emergency Separate Circuit LL=Lamp Included 8

SCF=3' Aircraft Safety Cable Secures Housing to Ceiling (Alternative

lengths available. Ex: SCF6=6' Cable)
BDF=Black Door Frame

G2=Double Gasketing Doors (Door to Lens, Lens to Door) VL=Vertical Lamp ⁹
F1=Single Fuse (120, 277 or 347V only)

F2=Double Fuse (208, 240 or 480V only)

HL=LumaWatt Fixture Control Module (Allows low voltage control wire to be daisy-chained between fixtures outside AC conduit run similar to low voltage intercom's, fire alarms and phone systems) 10, 11

HC=LumaWatt Fixture Control Module

(Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit) 10, 11

DL=U.L. Labeled for Damp Locations

Accessories 12

WGQF=Wire Guard 13

FTA=Flush Drywall Frame Kit, Natural Anodized Aluminum

250=250W

400=400W

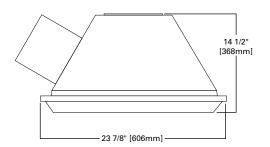
FTB=Flush Drywall Frame Kit, Black

FTW=Flush Drywall Frame Kit, White

NOTES: 1 Fixtures with Metal Halide lamps MUST have protective glass lens (C73) or glass overlay (GL). 2 200, 250, 320, 350 and 400W only. 3 All lamps are mogul-base. 150W-MH and lower are available medium-base. 4 Products also available in non-US voltages and 50Hz for international markets. Consultances factory for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V. 5 Add as suffix in the order shown. 6 120/277V Metal Halide only. 7 Not compatible with HC or HL. 8 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Adds 3 1/4" to overall fixture height. 10 Requires vertical lamp option (VL). 11 Not compatible with EM or EM/SC. 12 Order separately. 13 Not available with FTA, FTB or FTW. 14 Specifications and dimensions subject to change without notice.

Wattage 70, 100, 175, 200, 250, 320, 350, 400W 175, 250, 400W Lamp Type Pulse Start Metal Halide (MP) Metal Halide (MH) High Pressure Sodium (HP) 70, 100, 150, 250, 400W

DIMENSIONS



DESCRIPTION

400=400W

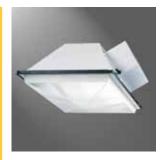
FTB=Flush Drywall Frame Kit, Black

FTW=Flush Drywall Frame Kit, White

FTA=Flush Drywall Frame Kit, Natural Anodized Aluminum

The Lumark Quadra-Lume is perfect for applications which call for reliable, affordable illumination with minimal maintenance. Quadra-Lume is designed for easy installation on main T-bars or can be hung by wires in lay-in ceilings with 2' x 2'

The Quadra-Lume provides minimum surface brightness, excellent uniformity and gentle diffusion. It is ideal for use in department stores, banks, auto showrooms, schools, libraries, office buildings and auditoriums.



QUADRA-LUME

70-400W High Pressure Sodium **Pulse Start Metal Halide Metal Halide**

RECESSED COMMERCIAL WITH DROP LENS

- UL Listed. CSA Certified. **EISA Compliant**
- Die-formed heavy-duty housing is made of coldrolled steel and finished in highly reflective white polyester powder coat. Stamped steel ballast mounting bracket is integral part of housing
- Die-formed steel reflector has removable panels for easy ballast access from below
- Die-formed heavy-gauge steel frame can be hinged and latched from either side. Stamped steel retaining clips assure flush fit of lens with frame
- Virgin acrylic prismatic drop lens with UV inhibitor
- Approximate net weight: 43 lbs. (20 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: MHQD-GO/GAS/A-400-120V-Q Lamp Type Series Door Frame Lens Type 1 Lamp Wattage 3 Voltage 5 Options & QD=Quadra-Lume GO/GAS/=Flat A=Acrylic Lens A/GL=Acrylic Lens with MP=Pulse MP 120V Accessories Start Aluminum **70**=70W 208V w/ Drop Lens (See Below) Metal Glass Overlay **100**=100W 240V Halide 1,2 P=Polycarbonate Lens 175=175W 277V MH=Metal P/GL=Polycarbonate 200=200W Halide 1 Lens with Glass Over-**250**=250W HP=High 320=320W **350**=350W Pressure Sodium **400**=400W MH **175**=175W 250=250W 400=400W HP **70**=70W **100**=100W 150=150W 250=250W

Accessories 13

Options 6

OR=Open Rated Socket for MH Lamps

QB=Quiet Ballast 7

Q=Quartz Restrike (Hot Strike Only)

EM=Quartz Restrike with "Delay Relay"

(Quartz lamp strikes at both hot and cold starts)8

EM/SC=Emergency Separate Circuit

LL=Lamp Included 9

SCF=3' Aircraft Safety Cable Secures Housing to Ceiling (Alternative lengths available. Ex: SCF6=6' Cable)

BDF=Black Door Frame

G2=Double Gasketing Doors (Door to Lens, Lens to Door)

VL=Vertical Lamp 10

F1=Single Fuse (120, 277 or 347V only)

F2=Double Fuse (208, 240 or 480V only)
HL=LumaWatt Fixture Control Module (Allows low voltage control wire to be daisy-chained between fixtures outside AC conduit run similar to low voltage intercom's, fire alarms and phone systems) 11, 12

HC=LumaWatt Fixture Control Module

(Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit) 11, 12

DL=U.L. Labeled for Damp Locations

NOTES: 1 Fixtures with Metal Halide lamps MUST have glass overlay (GL), 2 200, 250, 320, 350 and 400W only, 3 All lamps are mogul-base. 150W MH and lower are available medium-base. 4 Pulse Start Metal Halide only. 5 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 88% EISA complaint MP fixtures not available in 347V. 6 Add as suffix in the order shown. 7 120/277V Metal Halide only. 8 Not compatible with HC or HL. 9 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 10 Adds 3 1/4" to overall fixture height. 11 Requires vertical lamp option (VL). 12 Not compatible with EM or EM/SC. 13 Order separately. 14 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 175, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	70, 100, 150, 250, 400W



CL/CS CANOPY LIGHT

100-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

CANOPY LIGHT AREA/SITE LIGHT

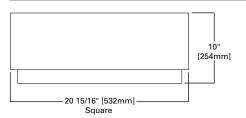
- UL Wet Location Listed. CSA Certified. EISA Compliant
- CL housing is constructed of heavy-gauge aluminum with welded corners providing good heat dissipation. CS housing is constructed of durable steel welded construction
- Weather- and abrasionresistant white polyester powder coat finish
- Fully gasketed door frame seals out contaminants
- High power factor ballast with class H insulation. CL construction is listed for 40°C ambient environments. CS construction is listed for 25°C ambient environments
- Optical system features an injection-molded prismatic lens with internal prisms and white highly reflective internal surface
- Hinged door provides easy access for maintenance and relamping and door can be removed to simplify installation
- Approximate net weight: 44 lbs. (20 kgs.)

DESCRIPTION

The Lumark Canopy Light combines lasting durability and excellent photometrics. CSA certified for wet locations.

The Canopy Light mounts quickly to a variety of surfaces, making it ideal for covered walkways, convenience store/service station canopies and enclosed parking areas.

DIMENSIONS



ORDERING INFORMATION

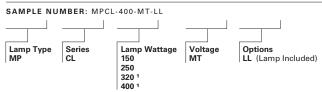
SAMPLE NUMBER: MPCL-400-MT-Q Lamp Type Series Lamp Wattage 4 Voltage 6 Options 8 **120V**=120V **F1**=Single Fuse (120, 277 or 347V only) MP=Pulse Start CL=Canopy Light MP 100=100W Metal Halide 1 208V=208V F2=Double Fuse (208, 240 or 480V only) (Aluminum Q=Quartz Restrike (Hot strike only)

EM=Quartz Restrike with "Delay Relay" MH=Metal Halide Housing)² **150**=150W 240V=240V **277V**=277V HP=High Pressure Sodium CS=Canopy Light (Steel Housing)³ 200=200W **250**=250W 347V=347V 7 (Quartz lamp strikes at both hot and 320=320W 480V=480V cold starts) 350=350W MT=Multi-Tan C73=Flat Prismatic Tempered Glass Lens **400**=400W wired 277V LL=Lamp Included 9 TT=Triple-Tap wired 347V7 MH POM=Position Oriented Socket **175**=175W **250**=250W 400=400W HP 100=100W **150**=150W 250=250W 400=400W

NOTES: 1 150, 200, 250, 320, 350, and 400W. 2 40°C Ambient environment, except 400W HP is 25°C ambient. 3 25°C Ambient environment. 4 All lamps are mogul-base except 100W MP and below are medium-base. Lamp not included. 5 175W, 250W, 400W MH is available for non-US markets only.

6 Products also available in non-US voltages and 50HZ for international markets. 7 88% Efficient EISA Compliant MP fixtures not available in 347 and TT voltages. 8 Add as suffix in the order shown. 9 Lamp is shipped separately from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 10 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER



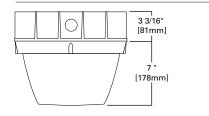
NOTES: Standard Multi-Tap. Refer to In-Stock Guide for availability. Options not available with stock products. Refer to standard order information and options.

1 Available without lamp MPCL-320-MT or MPCL-400-MT.

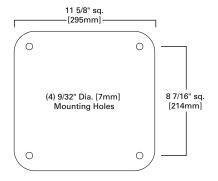
Lamp Type	Wattage
Pulse Start Metal Halide (MP)	100, 150, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	100, 150, 250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)

DIMENSIONS



MOUNTING DIMENSIONS



DESCRIPTION

The Lumark Parker combines strength-gaining architecture with energy-saving technology. U.L. listed for wet locations and CSA certified. Mount on non-combustible surface.

The durable, versatile Parker is perfect for use in parking bays, entrances and stairwells, as well as rapid transit stations and loading docks.



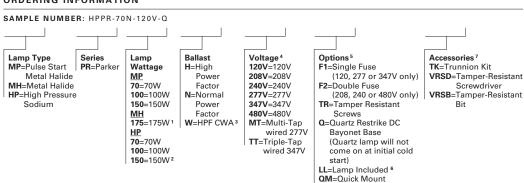
PR PARKER

70-175W High Pressure Sodium Pulse Start Metal Halide Metal Halide

> CLEAR PRISMATIC POLYCARBONATE PARKING GARAGE LUMINAIRE

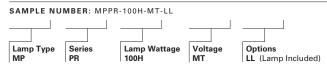
- UL Wet Location Listed. CSA Certified
- One-piece injectionmolded UV stabilized polycarbonate lens is a minimum of 0.130" thick. All light-control prisms and blondels are on the inside surface of the lens, reducing dirt build-up and making cleaning easier
- Lens is held with four stainless steel screws.
 Fasteners are captive in the lens and sealed by means of a neoprene O-ring
- Die-cast aluminum with reinforcing ribs on exposed sidewalls. Thickened areas occur at lens junction and at mounting/fastening holes. Four 1/2" NPT conduit entries in sides and one in back of housing. Black polyester powder coat is standard
- One-piece die-cut closed-cell silicone mounting gasket
- Copper-wound NPF ballast standard. Ballast is available in high power factor with some lamps. Consult ordering information
- Porcelain medium-base socket with nickel-plated brass screw shell
- Approximate net weight: 20 lbs. (9 kgs.)

ORDERING INFORMATION



NOTES: 1 Uses S-55 (55 Volt) lamp only. 2 175W MH is available for non-US markets only. 3 HPF CWA not available in 70W and 100W MP or HP. High Power Factor is required for all MH and MP products. 4 Products also available in non-US voltages and 50HZ for international markets. 5 Add as suffix in the order shown. 6 Lamp is shipped separately from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 7 Order separately, 8 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: Options not available with stock products. Refer to standard order information and options. Refer to In-Stock Guide for availability.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100,150W
Metal Halide (MH)	175W
High Pressure Sodium (HP)	70, 100, 150W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)



PD **PARK-KING**

35-175W **High Pressure Sodium Pulse Start Metal Halide** Metal Halide

PARKING GARAGE LUMINAIRE

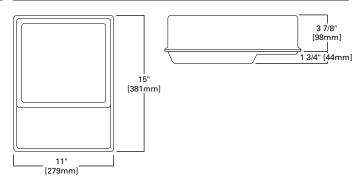
- · UL Wet Location Listed. **CSA Certified**
- One-piece die-cast aluminum housing has soft-corner design and is finished in polyester powder coat
- Clear polycarbonate lens standard. Optional flat tempered glass lens available. Standard and tamper-proof lens screws included
- · Hydroformed polished aluminum reflector provides sharp cutoff in symmetrical square or asymmetrical forward throw designs
- Sealed feed-through wiring compartment with quick-release clamps and hubs on housing sides and top for 3/4" NPT surface ceiling conduit
- Closed-cell, gas-filled, high-temperature silicone gasketing seals out water and other external contaminants
- Approximate net weight: 14 lbs. (6 kgs.)

DESCRIPTION

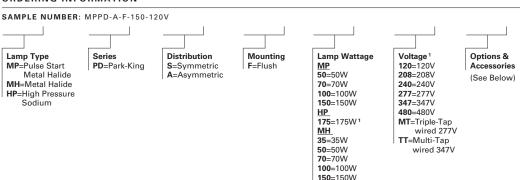
Lumark's Park-King sets the standard for parking facility lighting. CSA certified and U.L. listed for wet locations, the Park King's self-contained design and vandal-proofing contribute to a long service life and low maintenance costs.

By controlling glare and providing excellent uniformity, the Park-King improves vehicular movement and pedestrian safety in parking garage facilities.

DIMENSIONS



ORDERING INFORMATION



Options²

F1=Single Fuse (120, 277 or 347V only) F2=Double Fuse (208, 240 or 480V only) Q=Quartz Restrike (Hot strike only)3 LL=Lamp Included 4

G=Tempered Flat Glass Lens (Clear)⁵

Accessories 6

PDA200=Wire Vandal Guard

PDA100XX=Cast Mounting Bracket for Wall or Pole Mounting

PDA300=Concrete Pour Kit for Recessed Mounting
PDA400XX=Quick-mount Slide Box Over Standard 4" Junction Box 7

PB120V=Button-type Photocontrol Field Installed (120V only)

PB-208/240V=Button-type Photocontrol Field Installed (208/240V only) PB-277V=Button-type Photocontrol Field Installed (277V only)

SD2925PK=Screwdriver for Tamper-Resistant Screws

NOTES: 1 175W MH is available for non-US markets only. 2 Add as suffix in the order shown. 3 150W maximum quartz lamp. Lamp not included. 4 Lamp is shipped separately from luminaire. Lamp is Cooper designated product-based on luminaire requirements. Specified lamps must be ordered as a separate line item. 5 Fixtures with MP or MH lamps must have glass overlay (G). 6 Order separately. 7 Adds 1-3/4" to fixture height. 8 Specifications and dimensions subject to change without notice

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	150, 70, 100, 150W
Metal Halide (MH)	175W
High Pressure Sodium (HP)	35, 50, 70, 100, 150W

DESCRIPTION

The Lumark QZ Wedge is a compact, economical alternative to traditional outdoor floodlighting. The black or white finishes provide lasting durability with optics that deliver optimum beam control. U.L. listed and labeled for wet locations. CSA certified.

SPECIFICATION FEATURES

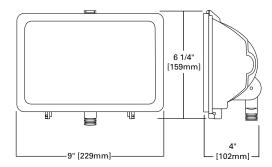
- Die-cast aluminum housing finished in black or white paint for lasting durability
- Adjustable stem mounting arm fits 1/2" NPS outlet box cover
- Anodized aluminum reflector provides maximum beam control and efficiency
- Porcelain lamp sockets for 300-500W quartz lamp
- Heat- and weatherresistant gasketing seals out external contaminants
- Hinged door frame has toolless entry latch
- U.L. listed for wet locations. CSA certified
- Approximate net weight: 3 lbs. (1 kgs.)



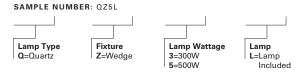
QZ WEDGE

3 0 0 - 5 0 0 W

FLOODLIGHT



ORDERING INFORMATION (LAMP INCLUDED)



Options (add as suffix)
W=White

Accessories (order separately)
NKS-BZ=2" Slipfitter (Bronze)
NKS-WHT=2" Slipfitter (White)

NOTES: 1 Standard unit has 1/2" NPT threaded knuckle for mounting. 2" slipfitter is available as an accessory. 2 120 Volt operation only. 3 Specifications and dimensions subject to change without notice. 4 Products also available in non-US voltages and 50Hz for international markets.

DESCRIPTION

The Lumark LQL1500 has a heat- and impact-resistant clear glass lens, mounted in a gasketed, die-cast hinged aluminum door with captive screw fasteners for positive latching. U.L. listed and labeled for wet locations. CSA certified.

SPECIFICATION FEATURES

- Captive screw fasteners provide positive weatherproof seal
- Finished in dark bronze paint
- Clear tempered glass lens is heat- and impact-resistant
- Quartz lamp provides white light for excellent color rendition
- Die-cast aluminum door is sealed with fullcircumference gasketing to die-cast aluminum housing installation to J-box and can be wall or eaves mounted
- Integral hinge design permits hands-free relamping and easy door removal
- Adjustable stem mounting arm fits 1/2" NPT outlet box cover
- U.L. listed for wet locations. CSA certified
- Approximate net weight: 4.5 lbs. (2.5 kgs.)

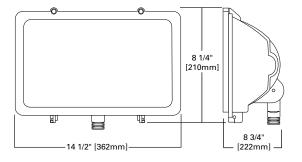


LQL1500 QUARTZ FLOOD

1500W (Max.)
Quartz

FLOODLIGHT

[240V LAMP INCLUDED]



ORDERING INFORMATION (LAMP INCLUDED)

CAMBLE	NILIMPED.	LQL1500WL240
SAMPLE	NUMBER:	LULI500WLZ40

Catalog	Lamp	Lamp		
Number	Wattage	Type	Voltage	Color
Italiibei	wattage	Type	Voitage	00101



SF **FALCON**

35-175W **High Pressure Sodium** Pulse Start Metal Halide Metal Halide

26-70W **Compact Fluorescent**

LOW WATTAGE **FLOODLIGHT**

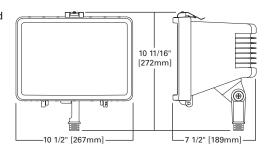
- UI Wet Location Listed
- Tempered glass lens is impact and thermal shock resistant. Easily released die-cast aluminum doorframe with stainless steel toolless latch
- · Die-cast aluminum housing is finished in weather and abrasion resistant dark bronze polyester powder paint. Optional colors are available
- Full-circumference silicone gasket seals out external contaminants
- Pulse rated, 4KV, medium-base porcelain lamp socket standard for HID. Electronic compact 4-pin fluorescent sockets standard for CF lamp options
- Formed aluminum hammered reflector optimized beam efficiency and control
- · Adjustable ANSI 1G rated stem mounting arm fits 1/2" NPS outlet box cover. (RBC round outlet box cover not included, order separately). Optional heavy-gauge steel adjustable trunnion mounting provides additional durability when required
- Approximate net weight: 18 lbs. (8 kgs.)

DESCRIPTION

The Lumark Falcon is a stylish and rugged luminaire that combines value and performance with a soft, architecturally appealing form. This soft rounded corner, die-cast construction is excellent for applications that have a high visibility and where a uniform beam distribution is desired.

The Falcon floodlight can be wall or pole mounted, making it ideal for all commercial, industrial and residential low wattage floodlighting applications.

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: MPSF-T-100H-240V-F2-TR-PE-BZ-LL

Mounting

K=Knuckle

T=Trunnion

Lamp 1 MP=Pulse Start Metal Halide MH=Metal Halide HP=High Pressure Sodium CF=Compact

Fluorescent

Series SF=Falcon Lamp Wattage 1 MP CF **50**=50W **26**=(1) 26W 70=70W 32=(1) 32W 100=100W 42=(1) 42W **150**=150W ⁴ 52=(2) 26W MH 57=(1) 57W 175=175W 1 60=(1) 60W

64=(2) 32W 35=35W^{2,3} 70=(1) 70W **50**=50W **70**=70W 100=100W

150=150W

Ballast =Normal Power Factor

H=High Power Factor

120V 208V 7 240V 7 277V 347V 8 480V DT=Dual-Tap MT=Multi-Tap wired 277V Options &

Accessories

(See Below)

Voltage ⁵

TT=Triple-Tap wired 347V⁸ E=Electronic (120-277V)⁹

Options 10

=Lamp Included (Must Specify Single Wattage with Fluorescent)

TR=Tamper-Resistant Screws

PE=Internal Photocontrol (Specify Voltage) PC=Button Type Photocontrol

F1=Single Fuse

Falcon

(120, 277 or 347V. Specify Voltage) 11 F2=Double Fuse

(208, 240 or 480V. Specify Voltage) 11

BZ=Bronze BK=Black WH=White AP=Grey

PE/MT=Field-Installed Photocontrol RBC-XX=Round Outlet Box Cover SF/VS=Vandal Shield

Accessories 12

SF/WG=Wire Guard TRSD-6/32=Tamper-Resistant Screwdriver

FA5-XX=2" Slipfitter for Trunnion Fixture

SAB-XX=Steel Angle Bracket for Trunnion

RAB-XX=Right Angle Pipe Bracket for Slipfitters

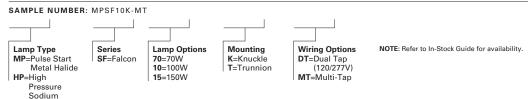
SF/TR=Tamper-Resistant Screw

SF/V-XX=Visor

SPK=Landscape Post (Standard Color Dark Grev)

NOTES: 1 All HID lamps are medium-base 175W MH is available for non-US markets only. 2 HP only. 3 120V only. 4 150W MP available in High Power Factor Ballast only. High Power Factor Ballast required on all MP, MH and CF products. 5 Products also available in non-US voltages and 50Hz for international markets. 6 Reactor ballasts used for HP lamps when specified. 7 Not available in Canada. 8 Canada only. 9 Compact fluorescent only. In cold temperatures, Compact Fluorescent lamps produce lower level illumination levels, 10 Add as suffix in the order shown, 11 100W MP maximum, 12 Order separately, replace XX with color suffix. 13 Specifications and dimensions subject to change without notice

STOCK SAMPLE NUMBER (LAMP INCLUDED): High Pressure Sodium & Pulse Start Metal Halide



MT=Multi-Tap

E=Electronic (CF only)

TT=Triple-Tap

STOCK SAMPLE NUMBER (LAMP INCLUDED): Compact Fluorescent

SAMPLE NUMBER: CFSF-K-42-E-LL Lamp Type Mounting Lamp Options Wiring Options Lamp Included CFSF=Compact K=Knuckle **42**=42W E=Electronic LL=Lamp Fluorescent Ballast

Included	ordering information to add options and accessories. Refer to In-Stock Guide for availability.	
Voltage Chart		
DT=Dual-Tap	120/277V (wired 277V)	

NOTES: Options not available with stock products.

Order Accessories as separate items for

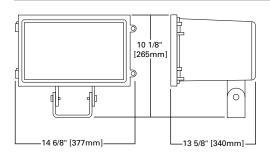
120/208/240/277V (wired 277V)

120-277V (wired 277V (50/60 Hz)

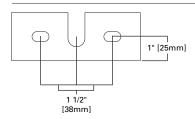
120/277/347V (wired 347V)

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100, 150W
Metal Halide (MH)	175W
High Pressure Sodium (HP)	35, 50, 70, 100, 150W
Compact Fluorescent (CF)	(1) 26, (1) 32, (1) 42 (2) 26 (1) 57W
	(1) 60, (2) 32, (1) 70W

DIMENSIONS



TRUNNION-MOUNT DRILL PATTERN



EPA-Effected Projected Area: .87 Square Feet

DESCRIPTION

The compact die-cast aluminum Falcon floodlight blends well in almost any setting. It features an adjustable trunnion which allows exceptional mounting flexibility and light control. U.L. listed and labeled for wet locations. CSA certified.

The Falcon floodlight can be wall or pole mounted, making it perfect for all commercial, industrial and residential low wattage floodlighting applications.



XF FALCON

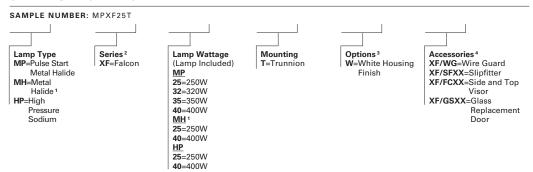
250-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

FLOODLIGHT

- UL Wet Location Listed. CSA Certified. EISA Compliant
- Tempered glass lens is impact- and thermal shock-resistant. Four point door connection provides positive seal to housing
- Die-cast aluminum housing is finished in weather- and abrasionresistant dark bronze polyester powder coat
- Full-circumference silicone gasket seals out external contaminants
- 5KV pulse-rated mogul-base porcelain lamp socket for HID lamps
- Mogul-base lamp included and available up to 400W HP, MP or MH
- Formed-aluminum reflector optimizes beam efficiency and control
- Polyester powder coated steel trunnion mount provides stability and adjustable aiming.
 Optional slipfitter available (order separately)
- Approximate net weight: 33 lbs. (15 kgs.)

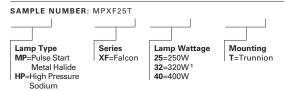
ORDERING INFORMATION



NOTES: 1 MH available in non-US markets only. 2 Supplied with multi-tap voltages (120/208/240/277V). 3 Add "W" to the end of catalog number for white finish.

4 Order separately. Add "WHT" to the end of accessory number for white finish. (Example: XF/WG-WHT). 5 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTE: 1 320W available in MP only.

Standard multi-tap and bronze. Refer to In-Stock Guide for availability. Options not available with stock products. Refer to standard order information to add options.



MS IMPACT FLOOD SMALL

50-175W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

26-42W Compact Fluorescent

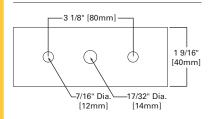
ARCHITECTURAL FLOOD LUMINAIRE

- UL Wet Location Listed. CSA Certified
- Rugged one-piece die-cast aluminum housing. One-piece extruded silicone gasket seals the optical and electrical compartment from external contaminants
- Die-cast aluminum door is secured via two (2) tamper resistant stainless steel allen head fasteners
- Impact resistant, clear flat tempered glass sealed to door with a one-piece silicone gasket
- Available in horizontal or vertical lamp orientation. Optics feature mediumbase lamp holders for HID
- High power factor ballast are heat sunk to housing for cooler operation and longer life
- Heavy-duty die-cast aluminum knuckle mount utilizes tooth-lock adjustment mechanism for solid engagement and ease of aiming. Optional heavy-gauge adjustable steel trunnion mount provides additional durability when required
- Approximate net weight: 25 lbs. (11.36 kgs.)

DESCRIPTION

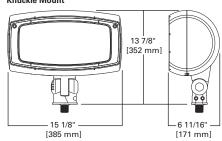
Impact Flood's cylindrical form blends effortlessly to architectural and landscape environments. Available in wattages up to 175W Metal Halide and High Pressure Sodium, and up to 42W Compact Fluorescent. Impact Flood offers properly scaled solutions for any floodlighting application.

TRUNNION DRILL PATTERN

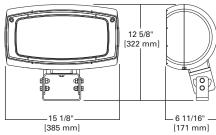


Knuckle Mount

DIMENSIONS



Trunnion Mount

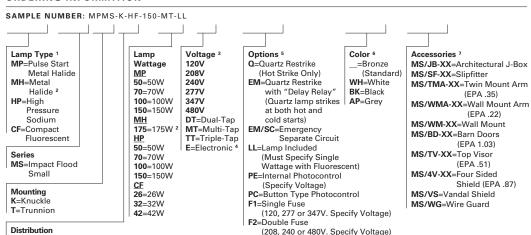


EPA-Effected Projected Area: 1.12

ORDERING INFORMATION

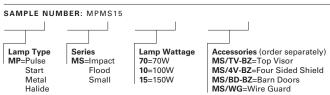
HF=Horizontal Flood

VF=Vertical Flood



NOTES: 1 All HID lamps are medium-base. 2 175W MH is available for non-US markets only. 3 Products also available in non-US voltages and 50Hz for international markets. 4 Compact Fluorescent lamps only, 120-277V with internal fusing. In cold temperatures compact fluorescent lamps produce lower illumination levels. 5 Add as suffix in the order shown. 6 Other finish colors available. Consult your Cooper Lighting representative. 7 Order separately, replace XX with color suffix. 8 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (Lamp Included)

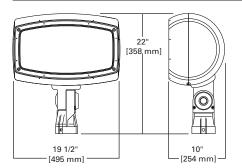


NOTES: Horizontal flood optics, knuckle mount, multi-tap ballast and bronze paint are standard for stock products. Add "W" to the end of the catalog logic to specify white finish (available on small housing 150W only). Stock accessories only available in bronze finish. Options not available with stock products. Refer to standard ordering information. Refer to In-Stock Guide for availability.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100, 150W
Metal Halide (MH)	175W
High Pressure Sodium (HP)	50, 70, 100, 150W
Compact Fluorescent (CF)	26, 32, 42W

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V (50/60 Hz)

DIMENSIONS



DESCRIPTION

Impact Flood's cylindrical form blends effortlessly to architectural and landscape environments. Available in wattages up to 400W Pulse Start Metal Halide, Metal Halide and High Pressure Sodium, and up to 70W Compact Fluorescent. Impact Flood offers properly scaled solutions for any floodlighting application.



IMPACT FLOOD MEDIUM

150-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

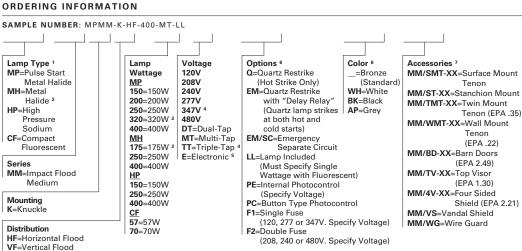
57-70W

Compact Fluorescent

ARCHITECTURAL FLOOD LUMINAIRE

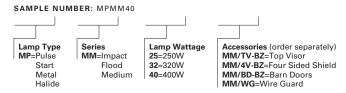
UL Wet Location Listed. CSA Certified. EISA Compliant

- Rugged one-piece die-cast aluminum housing. One-piece extruded silicone gasket seals the optical and electrical compartment from external contaminants
- Die-cast aluminum door is secured via four (4) tamper resistant stainless steel allen head fasteners
- Impact resistant, clear flat tempered glass sealed to door with a one-piece silicone gasket
- Available in horizontal or vertical lamp orientation. Optics feature mogulbase lamp holders
- High power factor ballast are heat sunk to housing for cooler operation and longer life
- Heavy-duty die-cast aluminum knuckle mount utilizes tooth-lock adjustment mechanism for solid engagement and ease of aiming. Knuckle fits over standard 2 3/8" O.D. pipe tenon
- Approximate net weight: 40 lbs. (18.18 kgs.)



NOTES: 1 150W MP is medium-base. 2 350W available in HF distribution only, 3 175, 250 and 400W MH available for non-US markets only, 4 88% efficient EISA Compliant fixtures not available in 347V or Triple-Tap voltages. 5 Compact Fluorescent lamps only, 120-277V with internal fusing. In cold temperatures, compact fluorescent lamps produce lower illumination levels. 6 Add as suffix in the order shown. 7 Order separately, replace XX with color suffix. 8 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: Horizontal flood optics, multi-tap ballast and bronze paint are standard for stock products. Options not available with stock products. Refer to standard ordering information. Refer to In-Stock Guide for availability.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	150, 200, 250, 320, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	150, 250, 400W
Compact Fluorescent (CF)	57, 70W

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V (50/60 Hz)



WR WARRIOR

100-400W

High Pressure Sodium **Pulse Start Metal Halide** Metal Halide

SLIPFITTER-, TRUNNION-, OR YOKE-MOUNTED **FLOODLIGHT**

- UL Wet Location Listed. CSA Certified. EISA Compliant
- Corrosion-resistant captive retaining screws
- · Watertight die-cast aluminum housing door is finished in dark bronze polyester powder coat. Cast ridge for water tight seal against gasketing
- · Full circumference, high-temperature foam-in-place silicone gasketing seals out external contaminants
- Mogul-base porcelain socket, except 150W and below has medium-base
- · High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40° F) for HP and -30°C (-20° F) for MH and MP
- · Variable mountings of either 3/16" galvanized steel trunnion (shown below) or integral die-cast aluminum slipfitter (shown in photo to right). Slipfitter fits 2 3/8" - 3" O.D. tenon. Heavy-duty steel yoke provides flexibility in mounting and aiming from a variety of surfaces
- Class I Div 2 Rated
- Approximate net weight: 35 lbs. (16 kgs.)

DESCRIPTION

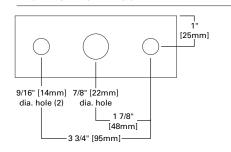
The Lumark Warrior offers a variety of lamp and mounting options in high pressure sodium and metal halide, and can be installed, lamped and serviced with the most basic tools. U.L. listed and labeled for wet locations, CSA certified.

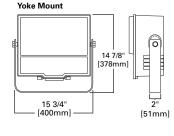
DIMENSIONS

Slipfitter Mount [152mm]

Trunnion Mount 13' [330mm] 4 15' [102mm] [381mm] [178mm]

TRUNNION YOKE MOUNT DRILL PATTERN





EPA-Effected Projected Area: 1.3 @ 45°

For Pole Information Refer to Cooper Lighting Pole Section.

ORDERING INFORMATION

SAMPLE NUMBER: MPWR-65S-400-MT Lamp Wattage ² Voltage ³ Distribution Mounting Options & Lamp Type Series MP=Pulse WR=Warrior S=Slipfitter 120V **65**=6 x 5 ΗP MP Accessories Start Beam T=Trunnion 100=100W 100=100W 208V (See Below) Metal Spread Y=Yoke 150=150W **150**=150W 240V Halide **200**=200W 250=250W 277V MH=Metal 250=250W **400**=400W 347V ³ Halide 320=320W 480V **HP**=High 350=350W MT=Multi-Tap **400**=400W Pressure TT=Triple-Tap 3 Sodium MH 1 5T=5-Tap 4 175=175W 250=250W 400=400W

Options 5

HAZ=Hazardous Location (Class 1 Division 2 rating) 6 F1=Single Fuse (120, 277 or 347V only) **F2**=Double Fuse (208, 240 or 480V only) **Q**=Quartz Restrike (Hot Strike Only) EM=Quartz Restrike with "Delay Relay"

(Quartz lamp strikes at both hot and cold starts) EM/SC=Emergency Separate Circuit

LL=Lamp Included

PER=NEMA Twistlock Photocontrol Receptacle
PC=Button Type Photocontrol

C23=3' of 12-3 Cord, Prewired (Specify Single Voltage) C42=2' of 14-3 Cord, Prewired (Specify Single Voltage) C43=3' of 14-3 Cord, Prewired (Specify Single Voltage) C63=3' of 16-3 Cord, Prewired (Specify Single Voltage) Accessories

TYS-XX=Trunnion or Yoke Slipfitter for 2 3/8", 3", or 3 1/2" O.D. Tenon WG/WR=Wire Guard VG/WR=Vandal Shield

250/400=250/400W (wired 250W)

RAB-XX=Right Angle Pipe Bracket for Slipfitter

SAB-XX=Steel Angle Bracket for Trunnion
OA/RA1014=Photoelectric Control, 120 Volt NEMA Type

OA/RA1016=Photoelectric Control, 105-285 Volt NEMA Type

OA/RA1027=Photoelectric Control, 480 Volt NEMA Type

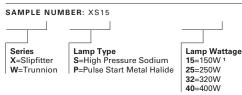
PB120V=Button Type Photocontrol, Field Installed (120V only)

TV/WR-XX=Top Visor

NOTES: 1 Metal Halide available for non-US markets only. 2 Medium-base socket for MP 150W and lower. 3 Products also available in non-us voltages & 50Hz for international markets. 88% efficient EISA MP fixtures not available in 347V and Triple-Tap voltages. 4 5-Tap ballast available in 400W Metal Halide only. 5 Add as suffix in the order shown. 6 Class I Division 2 rating. Not available with NEMA Photocontrol, fusing or Quartz option. Slipfitter only.

7 Specifications and dimensions subject to change without notice

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: 1 150W available in MP only. Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering nformation to add options and accessories. 320W available in MP only. Refer to In-Stock Guide for availability

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	100, 150, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400, 250/400W
High Pressure Sodium (HP)	100, 150, 250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 480V)

DIMENSIONS

Slipfitter Mount Yoke Mount 18 1/2' 22 1/2 [470mm] [572mm] 27 1/2" [699mm]

150-400W HPS & MH, 1000W HPS 9 1/2" [241mm] 1000W MH 10 1/2" [267mm]

18 1/2" [470mm] (2) 20 1/2" [521mm] 150-400W HPS & MH, 1000W HPS 9 1/2" [241mm]

DESCRIPTION

The Lumark Nighthawk III utilizes a soft-cornered aerodynamic design to provide excellent EPA ratings and an aesthetically pleasing appearance. Dark bronze polyester powder coat finish assures corrosion resistance and long-lasting aesthetics.



NK NIGHTHAWK III

150-1000W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

SLIPFITTER-, TRUNNION-, OR YOKE-MOUNTED FLOODLIGHT

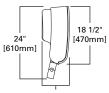
- UL Wet Location Listed. CSA Certified. EISA Compliant
- Aerodynamically designed die-cast aluminum housing has low EPA rating
- Flush, draw-action latches offer easy access to lamp compartment without tools and maintain integrity of seal when closed
- Die-cast aluminum door with integral cast hinges for removal without tools
- Heat- and impactresistant tempered glass. Lens is mounted flush with door surface to reduce wind drag and prevent dirt or moisture from accumulating
- Door gasket is foam-inplace silicone, providing maximum protection of interior components from the elements
- Available in three (3) mounting variations. **Slipfitter**: Die-cast aluminum integral slipfitter mounts on 2 3/8" to 3" O.D. tenon. Yoke: Heavy-duty steel yoke provides flexibility in mounting from a variety of surfaces. Trunnion: Die-formed steel trunnion is easily adapted to many areas and allows easy fixture aiming
- Approximate net weight: 59 lbs. (27 kgs.)

Trunnion Mount

20 1/2

[521mm]

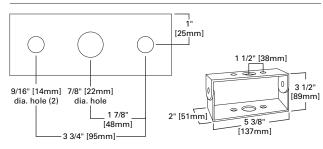




150-400W HPS & MH 1000W HPS 9 1/2" [241mm] 1000W MH 10 1/2" [267mm]

YOKE- AND TRUNNION-MOUNT DRILL PATTERN

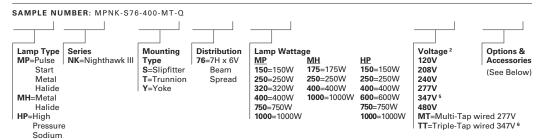
1000W MH 10 1/2" [267mm]



EPA-Effected Projected Area: 2.7

For Pole Information Refer to Cooper Lighting Pole Section.

ORDERING INFORMATION



NOTES: 1 175, 250 and 400W MH available for non-US markets only. 2 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 3 88% efficient EISA MP fixtures not available in 347V and Triple-Tap voltages. 4 Add as suffix in the order shown. 5 Not available in 1000W. 6 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 7 Order separately, replace XX with color suffix. 8 Not available with slipfitter-mount. 9 Specifications and dimensions subject to change without notice.

Options 4

F1=Single Fuse (120, 277 or 347V only) **F2**=Double Fuse (208, 240 or 480V only) **Q**=Quartz Restrike (Hot Strike Only) EM=Quartz Restrike with "Delay Relay"

(Quartz lamp strikes at both hot and cold starts) 5

LL=Lamp Included

T=Removable Quick-Disconnect Power Tray PER=NEMA Twistlock Photocontrol Receptacle PC=Button Type Photocontrol

Accessories

TYS-XX=Trunnion or Yoke Slipfitter for 2 3/8", 3", or 3 1/2" O.D. Tenon 8

VS/NK=Vandal Shield WG/NK=Wire Guard

VS/NK/1000=Vandal Shield for 1000W Units

OA/RA1016=Photoelectric Control, 105-285 Volt NEMA Type OA/RA1201=Photoelectric Control, 347 Volt NEMA Type

OA/RA1027=Photoelectric Control, 480 Volt NEMA Type

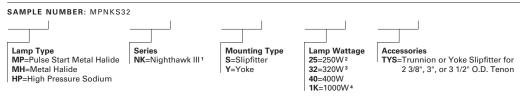
OA/RA1028=Field Installed NEMA Twistlock Photocontrol Receptacle (Order Photocontrol Separately)

TV/NK-XX=Top or Bottom Visor

SV1/NK-XX=Single Side Visor SV/NK-XX=Double Side Visor

OA/RA1013=Shorting Cap for NEMA Twistlock Photocontrol Receptacle

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: 1 Multi-tap ballast, 7Hx6V beam spread, bronze finish, and lamp are standard for stock product. 2 250W stock product only available with MP lamp and slipfitter mount. 3 250, 320 and 400W available in MP only. 4 1000W available in MH and HPS only.

Refer to In-Stock Guide for Availability.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	150, 250, 320, 350, 400, 750, 1000W
Metal Halide (MH)	175, 250, 400, 750, 1000W
High Pressure Sodium (HP)	150, 250, 400, 600, 750, 1000W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)



LOW-PROFILE **FLOODLIGHT**

250-1000W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

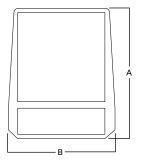
FLOODLIGHT

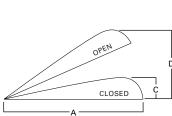
- UL Wet Location Listed. CSA Certified. EISA Compliant
- · One-piece, hinged asymmetrical reflector with kick auxiliary reflector. Reflectors are anodized for premium performance and durability. Support rod holds reflector open for hands free relamping
- High temperature silicone rubber door gasket
- Die-cast aluminum door frame holds glass lens and is finished in bronze polyester powder coat
- Slipfitter fits 2 3/8" O.D. tenon (Optional Trunnion mount available)
- · Optional internally mounted louver blades are designed to provide excellent glare control for such applications as airport ramps and taxiways. When ordering 250/400W units are supplied with 16 louver blades, 1000W supplied with 18 louver blades
- · CWA HPF ballast with Class H insulation with optional CWI. Minimum starting temperature is -40°C (-40°F) for HP and -30°C (-20°F) for MH and
- . U.L. listed for wet locations. CSA certified
- Approximate net weight: 97 lbs. (44 kgs.)

DESCRIPTION

The LP Low-Profile Floodlight utilizes an asymmetrical reflector to produce a highly defined rectangular pattern. A die-cast aluminum door frame forms a solid foundation for the electrical components and an anodized aluminum reflector. Ideal for low glare applications.

DIMENSIONS





DIMENSION-INCHES

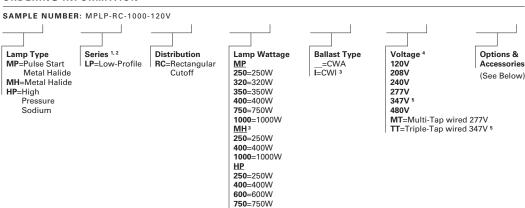
Lamp					(sq. ft.))	Volume Volume
Source	Α	В	С	D	Front	Side	(cu. ft.)
250/400W	26 1/2" [673mm]	22 1/8" [562mm]	7 7/8" [200mm]	18" [457mm]	2.72	0.67	4.06
1000W	38 1/8" [968mm]	28 5/8" [727mm]	11 3/4" [298mm]	22" [559mm]	4.62	1.31	11.06

NOTE: EPA ratings at recommended 30° aiming angle.

EPA-Effected Projected Area: 2.72 (250/400W) 4.62 (100W)

For Pole Information Refer to Cooper Lighting Pole Section.

ORDERING INFORMATION



1000=1000W

Options ⁶
F1=Single Fuse (120, 277 or 277V only) F2=Double Fuse (208, 240 or 480V only)
PER=NEMA Twistlock Photocontrol Receptacle PC=Button Type Photocontrol VS=Vandal Shield 7 N=I ouver

Accessories 5

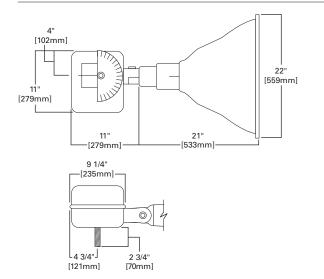
OA1058=Base for Flat Surface Mount OA/RA1016=Photoelectric Control 105V-285V NEMA Type OA/RA1027=Photoelectric Control 480V NEMA Type **OA1059**=Hood for 250/400W Units OA1060=Hood for 1000W Units

NOTES: 1 Suitable for horizontal burn lamps only. 2 Bronze is standard color (only door and slipfitter). Other finish colors available. Consult your Cooper Lighting Representative. 3 250 and 400W MH for non-US markets only CWI ballasts available for non-US markets. 4 Products also available in non-US voltages and frequencies for international markets. 5 88% efficient EISA Compliant fixtures not available in 347V or Triple-Tap voltages. 6 Add as suffix in the order shown. 7 Vandal shield-1/8" thick polycarbonate external shield on large units (1000W), .187" thick polycarbonate lens in place of standard lens on small units (250-400W). 8 Order separately. 9 Specifications and dimensions subject to change without notice

Lamp Type Pulse Start Metal Halide (MP) **Wattage** 250, 320, 350, 400, 750, 1000W 250, 400, 1000W Metal Halide (MH) High Pressure Sodium (HP) 250, 400, 600, 750, 1000W

Voltage Chart 120/277V (wired 277V) 120/208/240/277V (wired 277V) DT=Dual-Tap MT=Multi-Tap 120/277/347V (wired 347V) TT=Triple-Tap

DIMENSIONS



DESCRIPTION

Computer-designed optics and a precise aiming mechanism make the Eagle XL the right choice for amateur or professional sports facilities. U.L. listed for wet locations. CSA certified.



XL EAGLE

1000-1500W High Pressure Sodium Pulse Start Metal Halide Metal Halide

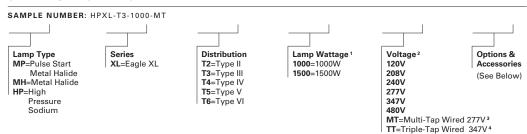
SPORTS FLOODLIGHTING

- UL Wet Location Listed. CSA Certified
- Rugged aluminum ballast housing is finished in corrosion-resistant dark bronze polyester powder coat
- Ballast/capacitor compartment provides cooler operation and extended component life.
- Vertical aiming quadrant with repositioning stop combines with horizontal aiming protractor to allow pre-aiming while pole is on the ground
- Die-cast socket housing has silicone gasket to keep out contaminants
- Computer-designed spun-aluminum reflector produces repeatable beam distributions blades (std.)
- 1/8" tempered, heat- and shock-resistant lens sealed with closed-cell neoprene gasketing protects optics from dust and contaminants and is hinged for easy access
- Approximate net weight: 45 lbs. (20 kgs.)

EPA-Effected Projected Area: 2.45

For Pole Information Refer to Cooper Lighting Pole Section.

ORDERING INFORMATION



Options 5

F1=Single Fuse (120, 277 or 347V only)

F2=Double Fuse (208, 240 or 480V only)

LL=Lamp Included 6

C3=3' Cord with no plug (Must use with FH-1 or FL-1 or SHK) 7

Accessories 8

S/XL=Slipfitter Mount, Field Installed (Fits 2-3/8" O.D. Tenon pipe)

VS/XL=Vandal Shield

HD/XL=Heavy-duty Shroud

TV/XL=Top Visor

S2C2WP=Two-in-line Crossarm for Wood Pole (EPA .9) S3C3WPM=Three-in-line Offset Crossarm for Wood Pole (EPA 3.6)

S4C4WP=Four-in-line Crossarm for Wood Pole (EPA 4.5)

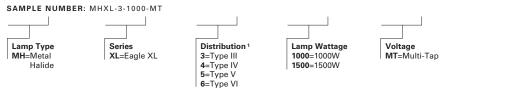
WB/XL=Wood Crossarm Bolt

NOTES: 1 All lamps are mogul-base. Lamp not included. Pulse Start Metal Halide (MP) and Metal Halide (MH) available in 1000W only. 2 Products also available in non-US voltages and 50Hz for international markets. 3 Multi-Tap ballast is 120/208/240/277V wired 277V. 4 Triple-Tap ballast is 120/277/347V wired 347V.

5 Add as suffix in the order shown. 6 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 7 Specify desired length in unit of feet (Example: C6 for 6' cord). 8 Order separately.

9 Specifications and dimensions subject to change without notice.

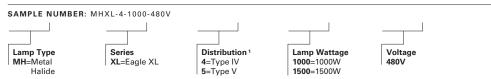
STOCK SAMPLE NUMBER



NOTES: 1 Type VI available in 1000W only.

Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability.

STOCK SAMPLE NUMBER (INCLUDES REFLECTOR AND DOOR)



NOTES: 1 Type IV available in 1500W only.

Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability.

Lamp Type	Wattage	Voltage Chart	
Pulse Start Metal Halide (MP)	1000W	MT=Multi-Tap	120/208/240/277V (wired 277V)
Metal Halide (MH)	1000W, 1500W	TT=Triple-Tap	120/277/347V (wired 347V)



AS **ALLSTAR**

1000-1650W **Pulse Start Metal Halide** Metal Halide

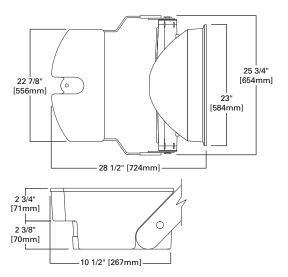
SPORTS LIGHTING

- UL Wet Location Listed. **CSA Certified**
- Rugged die-cast aluminum ballast housing finished in corrosion resistant white polyester powder coat. Transverse mounting with cast-in horizontal aiming protractor and single bolt mounting
- Isolated components for coolest component operation and extended component life. Ballast is rated to start and operate lamp in ambient temperatures down to -20° C
- · Stainless steel mounting arms feature separate vertical aiming pivot bolts and rear re-lamping hinge bolts prevent mis-aiming and provide permanent fixed aiming. Aiming degree markers on both sides of the optical allow for easy pre-aiming on the ground or after installation
- 1/8" tempered, heat- and shock-resistant glass lens is sealed with high temperature silicone gasket to protect optics from dirt and contaminants and is mounted in hinged stainless steel door frame with stainless steel latches
- · Die-cast aluminum socket castings are sealed with a high temperature silicone gasket to keep out contaminants
- Approximate net weight: 73 lbs. (33 kgs.)

DESCRIPTION

The "state-of-the-art" All Star sports floodlight features industry leading computer designed horizontal optics with optional internal glare/spill light control, and is the perfect choice for both amateur field lighting and professional sports stadiums and arenas. U.L. Listed for wet location. CSA certified. Rated for 55° C indoor ambient temperature environments.

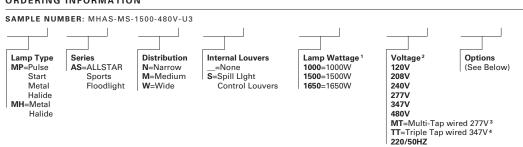
DIMENSIONS



EPA-Effected Projected Area: 2.9

For Pole Information Refer to Cooper Lighting Pole Section

ORDERING INFORMATION



Options 5
F1=Single Fuse (120, 277 or 347V only)

F2=Double Fused (208, 240 or 480V only)

HD=Heavy-Duty Shroud

Q=Quartz Restrike (Hot Strike Only) EM=Quartz Restrike Cold Start Time Delay

RQ=Remote Quartz6

RT=Remote Quartz Cold Start Time Delay®

HC=LumaWatt Fixture Module?

C3=3' Cord, Prewired with no plug (Must use with FH-1 or FL-1 or SHK)

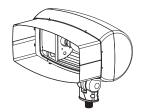
C6=6' Cord, Prewired (Specify Voltage)
U3=3' USL Water Tight Cord & Plug for USL System (Specify Voltage)

TV=Top Visor (Black Polyester Powder Coated)

NOTES: 1 All lamps are mogul-base. Lamp not included. Pulse Start Halide (MP) and Metal Halide (MH) available in 1000W only. 2 Products also available in non-US voltages and 50 Hz for international markets. 3 Multi-Tap ballast 120/208/240/277V wired 277V. 4 Triple-Tap ballast 120/277/347V wired 347V. 5 Add as suffix in the order shown. 6 Wiring pulled for remote 1000W maximum Quartz Flood. 7 1000 & 1500W MH only. 6 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	1000W
Metal Halide (MH)	1000, 1500, 1650W

IMPACT FLOOD ACCESSORIES [SMALL + MEDIUM]



MS/4V + MM/4V 4-Sided Shield



MS/BD + MM/BD Barn Doors



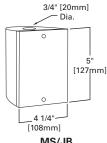
MS/TV + MM/TV Top Visor



MS/WG + MM/WG Wire Guard



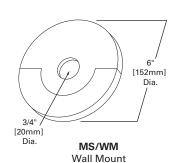
MS/VS + MM/VS Vandal Shield

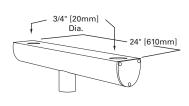


MS/JB Junction Box

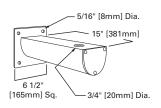


MS/SF Slipfitter (Fits 2 3/8" O.D. Tenon)

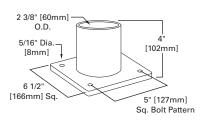




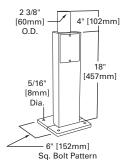
MS/TMA Twin Mount Arm (Fits 2 3/8" O.D. Tenon)



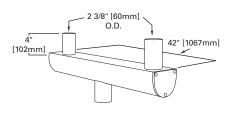
MS/WMA Wall Mount Arm



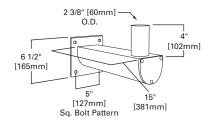
MM/SMT Surface Mount Tenon



MM/ST Stanchion Mount Tenon

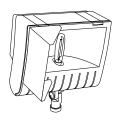


MM/TMT Twin Mount Tenon (Fits 2 3/8" O.D. Tenon)

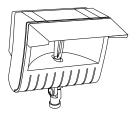


MM/WMT Wall Mount Tenon

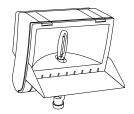
NIGHTHAWK ACCESSORIES



SV1/NK Side Visor



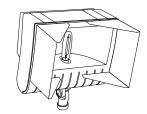
TV/NK Top/Bottom Visor



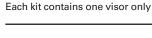
TV/NKTop/Bottom Visor

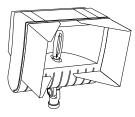


VS/NK
Vandal Shield
VS/NK/1000
Vandal Shield for 1000W Units



SV/NK Double Side Visor

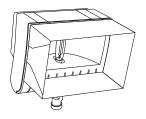




SV/NKDouble Side Visor



SV/NK Double Side Visor + **TV/NK** Top Visor [Shown]

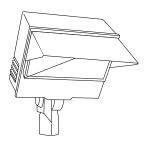


Double Side Visor [SV/NK] + (2) Top/Bottom Visors [TV/NK] Shown



WG/NK Wire Guard

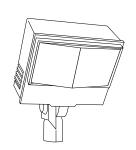
WARRIOR ACCESSORIES



TV/WR Top Visor

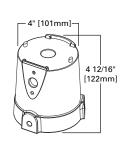


WG/WR Wire Guard

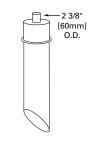


VG/WR Vandal Guard

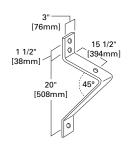
FLOODLIGHTING ACCESSORIES



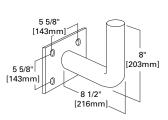
TYS
Slipfitter Adapter
(Fits 2 3/8", 3", 3 1/2" O.D. Tenon)



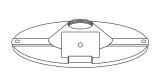
SPK Landscape Post



SAB Steel Angle Bracket



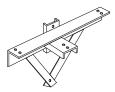
RAB Right Angle Pipe Bracket (2 3/8" O.D.)



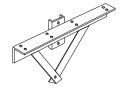
RBC Outlet Box Cover (1/2" Entry)



S2C2WP (EPA .9) Two-in-line crossarm

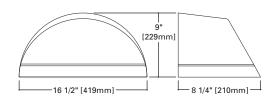


S3C3WP (EPA 3.6)
Three-in-line crossarm



S4C4WP (EPA 4.5) Four-in-line crossarm

DIMENSIONS





DESCRIPTION

The IMPACT Wedge full cutoff wall luminaire makes an ideal complement to site design. U.L. Listed and CSA Certified for wet locations in down mount applications and damp locations in up mounted applications.

Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding schools, office complexes, apartments, and recreational facilities.

> TT=Triple-Tap wired 347V E=Electronic 120-277V4

IMPACT WEDGE

50-175W High Pressure Sodium **Pulse Start Metal Halide** Metal Halide

> 26-84W **Compact Fluorescent**

FULL CUTOFF WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified
- Two-piece die-cast aluminum housing
- Rigid steel mounting attachment fits directly to 4" J-Box or wall with "Hook-N-Lock" mechanism for quick installation
- HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HP and -30°C (-22°F) for MP/MH. Compact Fluorescent luminaires feature electronic universal 120-277V high efficient 50/60Hz ballast with -18°C (0°F) minimum starting
- Die-cast door features 1/8" heat- and impactresistant clear tempered glass lens. Hinged door secured in place via two (2) captive fasteners
- Durable polyester powder coat finish. Standard color is bronze. Other finish colors available
- Approximate net weight: 18 lbs. (8 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: MHIP-W-150-MT-LL Lamp Type ¹ MP=Pulse Start **Fixture Type Fixture Shape** Lamp Wattage 1 Voltage² Options MP 120V (See Below) IP=Impact MH 1 W=Wedge Metal Halide **50**=50W **175**=175W 26=(1) 26W 208V MH=Metal Halide 1 70=70W HP 32=(1) 32W 240V HP=High Pressure 100=100W **50**=50W 42=(1) 42W 277V **150**=150W **52**=(2) 26W 347V **70**=70W CF=Compact Fluorescent 100=100W 64=(2) 32W 480V 150=150W DT=Dual-Tap 84=(2) 42W MT=Multi-Tap wired 277V

Options

F1=Single Fuse, Specify Voltage (120, 277 or 347V) F2=Double Fuse, Specify Voltage (208 or 240V)
PE=Button Photocontrol (Must Specify Voltage) ³

WH=White

AP=Grey

GM=Graphite Metallic

DP=Dark Platinum
LL=Lamp Included (Must Specify Wattage on CF)

TR=Tamper Resistant Screw (Door and Mounting Plate)

HS=House-side Shield Glass PL=Polycarbonate Lens 4,5

Q=Quartz Restrike (1) T4 Lamp 6

EM=Emergency Quartz Restrike (1) T4 Lamp With

Time Delay Relay 6

EM/SC=Emergency Separate Circuit (1) T4 Lamp 6,7

QMR=Quartz Restrike (1) MR16 Lamp 8,9

20MR=Quartz Restrike (2) MR16 Lamp 8,5

2QMR/SC=Quartz Restrike (2) MR16 Lamp and (1) Emergency

Separate Circuit MR16 Lamp 7, 8,9

EMMR=Emergency Quartz Restrike (1) MR16 Lamp With

Time Delay Relay ^{8,9} **2EMMR**=Emergency Quartz Restrike (2) MR16 Lamp With Time Delay Relay 8,9

EM/SC/MR=Emergency Separate Circuit (1) MR16 Lamp 7, 9, 10 2EM/SC/MR=Emergency Separate Circuit (2) MR16 Lamp 7, 9, 10 2EMMR/SC=Emergency Quartz Restrike With Time Delay Relay (1) MR16 and (1) MR16 Emergency Separate Circuit Lamp 7, 8, 9

EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (1) MR16 Lamp 7, 11

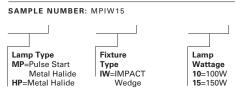
2EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (2) MR16 Lamp 7, 11

EMI40=Emergency Cold Temperature (UL924 Listed) Power Pack -18°C / 0°F, (1) CF Lamp, Specify Voltage ¹² CF-EM=Emergency CF Power Pack (UL924 Listed) (1) CF Lamp.

0°C / 32°F. Specify Voltage 13

NOTES: 1 Lamp type not available in all wattages - see wattage table. HID lamps are medium-base. 480V not available in 50W or 70W. 175W MH is available for non-U.S. markets only. 2 Products also available in non-US voltages and 50Hz for international markets. Consult your Cooper Representative for availability and ordering information. 3 PE not available with 480V. 4 Available with CF Option only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. 5 Down lighting position only. 6 (1) 120V Lamp, 100W maximum quartz lamp. Utility power may need to cycle to allow HID lamp to cool in warm climates. Not available with CF Option. Lamp supplied by others. 7 Leads out of the back of the unit for auxillary 120V. 8 Not available with CF lamps. 9 (1) or (2) 120V Lamps. GU10 base, 50W maximum each. Lamps supplied by others. 10 Not Available with 52, 64, 84 CF wattages. 11 (1) or (2) 12V bi-pin lamp, socket GU5.3 base, 35W maximum. Power supplied by low voltage DC source (supplied by others). Lamps supplied by others. 12 Specify 120 or 277V, (-18°C) minimum temperature, 13 Specify 120 or 277V, (0°C) minimum temperature, 14 Specifications and dimensions subject to change without notice,

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: Standard multi-tap and bronze. Refer to In-Stock Guide for availability. Options not available with stock products. Refer to standard order information to add options.

Lamp Type	Wattage	Distribution
Pulse Start Metal Halide (MP)	50, 70, 100, 150W	Type II
Metal Halide (MH)	175W	Type II
High Pressure Sodium (HP)	50, 70, 100, 150W	Type II
Compact Fluorescent (CF)	(1) 26, (1) 32, (1) 42W,	Type II
	(2) 26. (2) 32. (2) 42W	

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V) (50/60 Hz)



IMPACT TRAPEZOID

50-175W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

26-84W **Compact Fluorescent**

FULL CUTOFF WALL MOUNT LUMINAIRE

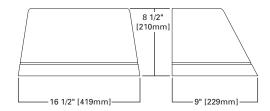
- U.L. listed for wet locations. CSA certified
- Two-piece die-cast aluminum housing
- · Rigid steel mounting attachment fits directly to 4" J-Box or wall with "Hook-N-Lock" mechanism for quick installation
- HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HP and -30°C (-22°F) for MP/MH. Compact Fluorescent luminaires feature electronic universal 120-277V high efficient 50/60Hz ballast with -18°C (0°F) minimum starting
- Die-cast door features 1/8" heat- and impact-resistant clear tempered glass lens. Hinged door secured in place via two (2) captive fasteners
- · Durable polyester powder coat finish. Standard color is bronze. Other finish colors available
- Approximate net weight: 18 lbs. (8 kgs.)

DESCRIPTION

The IMPACT Trapezoid full cutoff wall luminaire makes an ideal complement to site design. U.L. Listed and CSA Certified for wet locations in down mount applications and damp locations in up mounted applications.

Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding schools, office complexes, apartments, and recreational facilities.

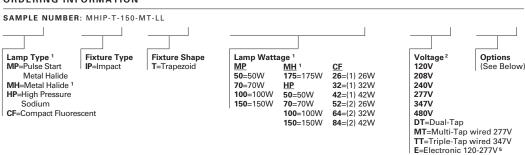
DIMENSIONS





NOTE: In down light applications only

ORDERING INFORMATION



Options

F1=Single Fuse, Specify Voltage (120, 277 or 347V) F2=Double Fuse, Specify Voltage (208 or 240V) PE=Button Photocontrol (Must Specify Voltage) 3

WH=White

AP=Grey
GM=Graphite Metallic

DP=Dark Platinum

LL=Lamp Included (Must Specify Wattage on CF) TR=Tamper Resistant Screw (Door and Mounting Plate)

UP10=10% Uplight 4

HS=House-side Shield Glass

PL=Polycarbonate Lens 5 Q=Quartz Restrike (1) T4 Lamp 7

EM=Emergency Quartz Restrike (1) T4 Lamp With

Time Delay Relay 7

EM/SC=Emergency Separate Circuit (1) T4 Lamp 7,8

QMR=Quartz Restrike (1) MR16 Lamp 4,

2QMR=Quartz Restrike (2) MR16 Lamp 4,9

2QMR/SC=Quartz Restrike (2) MR16 Lamp and (1) Emergency Separate Circuit MR16 Lamp ^{4,8,9} **EMMR**=Emergency Quartz Restrike (1) MR16 Lamp With

Time Delay Relay 4,9

2EMMR=Emergency Quartz Restrike (2) MR16 Lamp With Time Delay Relay ^{4,9}

EM/SC/MR=Emergency Separate Circuit (1) MR16 Lamp 8, 9, 10

2EM/SC/MR=Emergency Separate Circuit (2) MR16 Lamp 8. 9. 10 2EMMR/SC=Emergency Quartz Restrike With Time Delay Relay (1) MR16 and (1) MR16 Emergency Separate Circuit Lamp 4, 8, 9

EM/SC/12V=Emergency Separate Circuit 12V Low Voltage

(1) MR16 Lamp 8, 11

2EM/SC/12V=Emergency Separate Circuit 12V Low Voltage

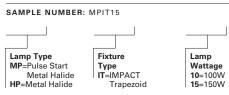
(2) MR16 Lamp 8, 11

EMI40=Emergency Cold Temperature (UL924 Listed) Power Pack -18°C / 0°F, (1) CF Lamp, Specify Voltage 12

CF-EM=Emergency CF Power Pack (UL924 Listed) (1) CF Lamp. 0°C / 32°F. Specify Voltage ¹³

NOTES: 1 Lamp type not available in all wattages - see wattage table. HID lamps are medium-base. 480V not available in 50W or 70W. 175W MH is available for non-U.S. markets only, 2 Products also available in non-US voltages and 50Hz for international markets. Consult your Cooper Representative for availability and ordering information. 3 PE not available with 480V. 4 Not available with CF lamps. 5 Available with CF Option only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. 6 Down lighting position only. 7 (1) 120V Lamp, 100W maximum quartz lamp. Utility power may need to cycle to allow HID lamp to cool in warm climates. Not available with CF Option. Lamp supplied by others. 8 Leads out of the back of the unit for auxillary 120V. 9 (1) or (2) 120V Lamps. GU10 base, 50W maximum each. Lamps supplied by others. 10 Not Available with 52, 64, 84 CF wattages. 11 (1) or (2) 12V bi-pin lamp, socket GU5.3 base, 35W maximum. Power supplied by low voltage DC source (supplied by others). Lamps supplied by others. 12 Specify 120 or 277V, (-18°C) minimum temperature. 13 Specify 120 or 277V, (0°C) minimum temperature. 14 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)

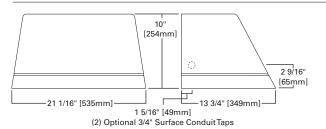


NOTES: Standard multi-tap and bronze, Refer to In-Stock Guide for availability. Options not available with stock products. Refer to standard order information to add options

Lamp Type	Wattage	Distribution
Pulse Start Metal Halide (MP)	50, 70, 100, 150W	Type II
Metal Halide (MH)	175W	Type II
High Pressure Sodium (HP)	50, 70, 100, 150W	Type II
Compact Fluorescent (CF)	(1) 26, (1) 32, (1) 42W,	Type II
	(2) 26, (2) 32, (2) 42W	

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V) (50/60 Hz)

DIMENSIONS



DARK SKY FCO COMPLIANT

NOTE: In down light applications only.

DESCRIPTION

The IMPACT Trapezoid full cutoff wall luminaire makes an ideal complement to site design. U.L. Listed and CSA Certified for wet locations in down mount applications and damp locations in up mounted applications.

Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding schools, office complexes, apartments, and recreational facilities.

IPTM IMPACT TRAPEZOID **MEDIUM**

175-400W

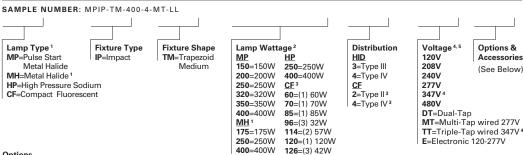
High Pressure Sodium Pulse Start Metal Halide Metal Halide

> 32-120W **Compact Fluorescent**

FULL CUTOFF WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified. **EISA Complaint**
- Two-piece die-cast aluminum housing
- Rigid steel mounting attachment anchored directly to wall over 4" J-Box with "Hook-N-Lock" mechanism for quick installation
- HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HP and -30°C (-22°F) for MP/MH. Compact Fluorescent luminaires feature electronic universal 120-277V high efficient 50/60Hz ballast with -18°C (0°F) minimum starting
- Die-cast door features 1/8" heat- and impactresistant clear tempered glass lens. Hinged removable door secured in place via two (2) captive fasteners
- Durable polyester powder coat finish. Standard color is bronze. Other finish colors available
- Approximate net weight: 42 lbs. (19 kgs.)

ORDERING INFORMATION



2QMR=Quartz Restrike (2) MR16 Lamps 14, 16

Delay Relay 14, 16

Delay Relay 14, 16

Lamp 14, 15, 16

MR16 Lamp 14, 15, 17

/ 32°F. Specify Voltage 20

MR16 Lamps 14, 15, 17

0°C / 32°F. Specify Voltage 21

2QMR/SC=Quartz Restrike (1) MR16 Lamp and (1) Emergency Separate Circuit MR16 Lamp 14, 15, 16

EMMR=Emergency Quartz Restrike (1) MR16 Lamp with Time

2EMMR=Emergency Quartz Restrike (2) MR16 Lamps with Time

EM/SC/MR=Emergency Separate Circuit (1) MR16 Lamp 14, 15, 16 2EM/SC/MR=Emergency Separate Circuit (2) MR16 Lamps 14, 15, 16

2EMMR/SC=Emergency Quartz Restrike with Time Delay Relay

EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (1)

2EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (2)

EMI40=Emergency Cold Temperature (UL924 Listed) Power Pack -18°C / 0°F, (1) CF Lamp, Specify Voltage ¹⁸ EMI40-2L=Emergency Cold Temperature (UL924 Listed) Power

Pack (2) CF Lamps -18°C / 0 °F. (Specify Voltage) ¹⁹ CF-EM=Emergency CF Power Pack (UL924 Listed) (1) CF Lamp. 0°C

CF-EM/2L=Emergency CF Power Pack (UL924 Listed) (2) CF Lamps,

STOCK SAMPLE NUMBER

SAMPLE NUMBER: MPITM25

Fixture Type ITM=IMPACT

NOTES: Standard multi-tap and bronze. Refer to In-Stock Guide for availability. Options not available with stock products. Refer to

Trapezoid

Medium

standard order information to add options

Lamp

Wattage

25=250W

32=320W

40=400W

(LAMP INCLUDED)

Lamp Type MP=Pulse

Start

Metal

Halide

(1) MR16 and (1) MR16 Emergency Separate Circuit

Options

F1=Single Fuse, Specify Voltage (120, 277, or 347V) F2=Double Fuse, Specify Voltage (208 or 240V)
PE=Button Photocontrol (Specify Voltage)⁵

BK=Black WH=White

AP=Grey

GM=Graphite Metallic

DP=Dark Platinum
LL=Lamp Included (Must Specify Wattage on CF)

TR=Tamper Resistant Hardware (2 Screws)

UP10=10% Uplight UP30=30% Uplight 6

HS=House-side Shield Glass 7

SC=Surface Conduit Entry Taps (2) 3/4" NPT⁸ HAB=High Ambient 40°C Fixture (HID Lamp)⁹

CSW=Circuit Switching 10

DIM=CF Dimming Ballast (CF Lamp/Must Specify Number of Lamps) 11

FR=Frosted Glass 12

Q=Quartz Restrike (1) T4 Lamp 13, 14

EM=Emergency Quartz Restrike (1) T4 Lamp with Time Delay Relay ^{13, 14}

EM/SC=Emergency Separate Circuit (1) T4 Lamp 13, 14, 15 QMR=Quartz Restrike (1) MR16 Lamp 14, 16

Accessories

WG/ITM=Wire Guard 22

VS/ITM=Vandal Resistant Shield 23

 $\textbf{NOTES: 1} \ \mathsf{Lamp} \ \mathsf{type} \ \mathsf{not} \ \mathsf{available} \ \mathsf{in} \ \mathsf{all} \ \mathsf{wattages} \ \mathsf{-} \ \mathsf{see} \ \mathsf{wattage} \ \mathsf{table}. \ \mathsf{175W}, \ \mathsf{250W} \ \mathsf{and} \ \mathsf{400W} \ \mathsf{available} \ \mathsf{for}$ non-U.S. markets only. 2 All HID MP lamps are mogul-base, reduced envelope ED-28 except 200W MP is T15. All HID HP lamps are mogul-base ED-18. 3 Type II 60, 70, 85, 96, 114 or 126W CF only. Type IV - 60, 85 and 120W CF only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. 4 Products also available in non-US voltages and 50HZ for international markets. 88% EISA Compliant MP fixtures not available in 347V and Triple-Tap voltages. 5 Not available with SC option teamed with 320-400W, not available with 480V. 6 Type III only. Not available with CF lamps. 7 Not available with 320 thru 400W. 8 Not available in Type IV 320V through 400W. Not available in Type III with F1, F2 with 320W through 400W. 9 Rated for 40°C for 250W and below fixture. Not available with CF lamps. 10 Each ballast independently wired. Available on 96, 114 or 126W CF wattages. 11 Specify CF option 96 or 126W, not available with HS, FR, or VS options. Must specify number of lamps. 12 Not available with 320W thru 400W or 114 or 126W CF options. 13 (1) 120V Lamp, 150W maximum quartz lamp. Utility power may need to cycle to allow HID lamp to cool in warm climates. 14 Emergency lamps supplied by others. 15 Emergency lamp leads out of the back of the unit to auxillary 120V. 16 (1) or (2) 120V Lamps. GU10 base, 50W maximum each. Lamps supplied by others. 17 Power supplied by low voltage DC source (supplied by others). (1) or (2) 12V bi-pin socket GU5.3 base lamps, 35W maximum each. 18 Specify 120 or 277V, (-18°C) minimum temperature, not available with UP10 or CSW option, 70W CF maximum. 19 Specify 120 or 277V, (-18°C) minimum temperature, supports (2) 32W CF lamps, not available with UP10 or CSW option. 20 Specify 120 or 277V, (0°C) minimum, not available with UP10 or CSW option, 70W CF maximum. 21 Specify 120 or 277V, (0°C) minimum, not available with UP10 or CSW option, supports (2) 32W CF lamps. 22 Not available with VS option. 23 Not available with 320 thru 400W. Not available with wire guard. 24 Specifications and dimensions subject to change without notice

Lamp Type	Wattage	Distribution
Pulse Start Metal Halide (MP)	150, 200, 250, 320, 350, 400W	Type III, IV
Metal Halide (MH)	175, 250, 400W	Type III, IV
High Pressure Sodium (HP)	250, 400W	Type III, IV
Compact Fluorescent (CF)	(1) 60, (1) 70, (1) 85W,	Type II, IV
	(2) 120, (2) 57, (3) 32, (3) 42W	

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V) (50/60 Hz)



IMPACT CYLINDER

50-175W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

26-84W **Compact Fluorescent**

FULL CUTOFF WALL MOUNT LUMINAIRE

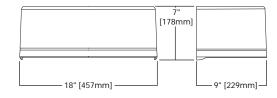
- · U.L. listed for wet locations. CSA certified
- Two-piece die-cast aluminum housing
- · Rigid steel mounting attachment fits directly to 4" J-Box or wall with "Hook-N-Lock" mechanism for quick installation
- HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HP and -30°C (-22°F) for MP/MH. Compact Fluorescent luminaires feature electronic universal 120-277V high efficient 50/60Hz ballast with -18°C (0°F) minimum starting
- Die-cast door features 1/8" heat- and impact-resistant clear tempered glass lens. Hinged door secured in place via two (2) captive fasteners
- · Durable polyester powder coat finish. Standard color is bronze. Other finish colors available
- Approximate net weight: 18 lbs. (8 kgs.)

DESCRIPTION

The IMPACT Cylinder full cutoff wall luminaire makes an ideal complement to site design. U.L. Listed and CSA Certified for wet locations in down mount applications and damp locations in up mounted applications.

Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding schools, office complexes, apartments, and recreational facilities.

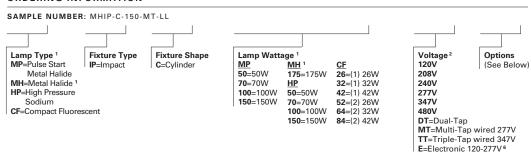
DIMENSIONS





NOTE: In down light applications only

ORDERING INFORMATION



Options

F1=Single Fuse, Specify Voltage (120, 277 or 347V) F2=Double Fuse, Specify Voltage (208 or 240V) PE=Button Photocontrol (Must Specify Voltage) 3

BK=Black WH=White

AP=Grey

GM=Graphite Metallic

DP=Dark Platinum LL=Lamp Included (Must Specify Wattage on CF)

TR=Tamper Resistant Screw (Door and Mounting Plate)

UP10=10% Uplight ⁴

UP50=50% Uplight 5

HS=House-side Shield Glass 6 PL=Polycarbonate Lens 6

Q=Quartz Restrike (1) T4 Lamp 8

EM=Emergency Quartz Restrike (1) T4 Lamp With Time Delay Relay 8

EM/SC=Emergency Separate Circuit (1) T4 Lamp 8,9 QMR=Quartz Restrike (1) MR16 Lamp 4,10

EMMR=Emergency Quartz Restrike (1) MR16 Lamp With Time Delay Relay 4,10

EM/SC/MR=Emergency Separate Circuit (1) MR16 Lamp 9,10,11

EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (1) MR16 Lamp 9, 12

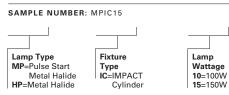
2EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (2) MR16 Lamp 9, 12

EMI40=Emergency Cold Temperature (UL924 Listed) Power Pack -18°C / 0°F, (1) CF Lamp, Specify Voltage ¹³ CF-EM=Emergency CF Power Pack (UL924 Listed) (1) CF Lamp.

0°C / 32°F. Specify Voltage 14

NOTES: 1 Lamp type not available in all wattages - see wattage table. HID lamps are medium-base, 480V not available in 50W or 70W, 175W MH is available for non-U.S. markets only. 2 Products also available in non-US voltages and 50Hz for international markets. Consult your Cooper Representative for availability and ordering information. 3 PE not available with 480V. 4 Not available with CF lamps. 5 Not available with dual CF lamps. 6 Available with CF Option only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. 7 Down lighting position only. 8 (1) 120V Lamp, 100W maximum quartz lamp. Utility power may need to cycle to allow HID lamp to cool in warm climates. Not available with CF Option. Lamp supplied by others. 9 Leads out of the back of the unit for auxillary 120V. 10 (1) or (2) 120V Lamps. GU10 base, 50W maximum each. Lamps supplied by others. 11 Not Available with 52, 64, 84 CF wattages. 12 (1) or (2) 12V bi-pin lamp, socket GU5.3 base, 35W maximum. Power supplied by low voltage DC source (supplied by others). Lamps supplied by others. 13 Specify 120 or 277V, (-18°C) minimum temperature. 14 Specify 120 or 277V, (0°C) minimum temperature. 15 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)

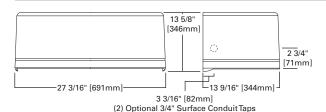


NOTES: Standard multi-tap and bronze, Refer to In-Stock Guide for availability, Options not available with stock products. Refer to standard order information to add

Lamp Type	Wattage	Distribution
Pulse Start Metal Halide (MP)	50, 70, 100, 150W	Type II
Metal Halide (MH)	175W	Type II
High Pressure Sodium (HP)	50, 70, 100, 150W	Type II
Compact Fluorescent (CF)	(1) 26, (1) 32, (1) 42W,	Type II
	(2) 26, (2) 32, (2) 42W	

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V) (50/60 Hz)

DIMENSIONS



DARK SKY COMPLIANT

NOTE: In down light applications only.

DESCRIPTION

The IMPACT Cylinder full cutoff wall luminaire makes an ideal complement to site design. U.L. Listed and CSA Certified for wet locations in down mount applications and damp locations in up mounted applications.

Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding schools, office complexes, apartments, and recreational facilities.

IPCM IMPACT CYLINDER MEDIUM

175-400W

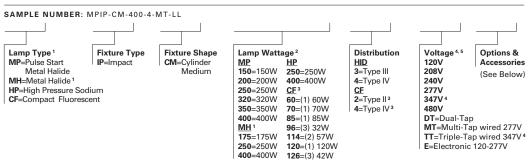
High Pressure Sodium **Pulse Start Metal Halide** Metal Halide

> 32-120W **Compact Fluorescent**

FULL CUTOFF WALL MOUNT LUMINAIRE

- U.L. listed for wet locations, CSA certified. **EISA Complaint**
- Two-piece die-cast aluminum housing
- Rigid steel mounting attachment anchored directly to wall over 4" J-Box with "Hook-N-Lock" mechanism for quick installation
- HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HP and -30°C (-22°F) for MP/MH. Compact Fluorescent luminaires feature electronic universal 120-277V high efficient 50/60Hz ballast with -18°C (0°F) minimum starting
- Die-cast door features 1/8" heat- and impactresistant clear tempered glass lens. Hinged removable door secured in place via two (2) captive fasteners
- Durable polyester powder coat finish. Standard color is bronze. Other finish colors available
- Approximate net weight: 48 lbs. (22 kgs.)

ORDERING INFORMATION



Options

F1=Single Fuse, Specify Voltage (120, 277, or 347V) F2=Double Fuse, Specify Voltage (208 or 240V) PE=Button Photocontrol (Specify Voltage) 5

BK=Black WH=White

AP=Grey GM=Graphite Metallic **DP**=Dark Platinum

II = I amp Included (Must Specify Wattage on CF)

TR=Tamper Resistant Hardware (2 Screws)

UP10=10% Uplight

UP30=30% Uplight⁶ HS=House-side Shield Glass⁷

SC=Surface Conduit Entry Taps (2) 3/4" NPT8

HAB=High Ambient 40°C Fixture (HID Lamp) 9 CSW=Circuit Switching 10

DIM=CF Dimming Ballast (CF Lamp/Must Specify

Number of Lamps) 11 FR=Frosted Glass 12

Q=Quartz Restrike (1) T4 Lamp 13, 14

EM=Emergency Quartz Restrike (1) T4 Lamp with Time Delay Relay ^{13, 14}

EM/SC=Emergency Separate Circuit (1) T4 Lamp 13, 14, 15 QMR=Quartz Restrike (1) MR16 Lamp 14, 16

20MR=Quartz Restrike (2) MR16 Lamps 14, 16

2QMR/SC=Quartz Restrike (1) MR16 Lamp and (1) Emergency Separate Circuit MR16 Lamp ^{14, 15, 16}

EMMR=Emergency Quartz Restrike (1) MR16 Lamp with Time Delay Relay 14, 16

2EMMR=Emergency Quartz Restrike (2) MR16 Lamps with Time Delay Relay 14, 16

EM/SC/MR=Emergency Separate Circuit (1) MR16 Lamp 14, 15, 16 2EM/SC/MR=Emergency Separate Circuit (2) MR16 Lamps 14, 15, 16 2EMMR/SC=Emergency Quartz Restrike with Time Delay Relay 2..... General American Patrike with Time Delay Relay (1) MR16 and (1) MR16 Emergency Separate Circuit Lamp 14, 15, 16

EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (1) MR16 Lamp 14, 15, 17

2EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (2) MR16 Lamps ^{16, 15, 17} EMI40=Emergency Cold Temperature (UL924 Listed) Power Pack

-18°C / 0°F, (1) CF Lamp, Specify Voltage ¹⁸ **EMI40-2L**=Emergency Cold Temperature (UL924 Listed) Power

Pack (2) CF Lamps -18°C / 0 °F. (Specify Voltage) CF-EM=Emergency CF Power Pack (UL924 Listed) (1) CF Lamp. 0°C / 32°F. Specify Voltage ²⁰

CF-EM/2L=Emergency CF Power Pack (UL924 Listed) (2) CF Lamps, 0°C / 32°F. Specify Voltage 21

Accessories

WG/ICM=Wire Guard 22 VS/ICM=Vandal Resistant Shield 23

NOTES: 1 Lamp type not available in all wattages - see wattage table, 175W, 250W and 400W available for non-U.S, markets only, 2 All HID MH lamps are mogulbase, reduced envelope ED-28 except 200W MP is T15. All HID HP lamps are mogul-base ED-18. 3 Type II 60, 70, 85, 96, 114 or 126W CF only. Type IV - 60, 85 and 120W CF only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. 4 Products also available in non-US voltages and 50HZ for international markets. 88% EISA Compliant MP fixtures not available in 347V and Triple-Tap voltages. 5 Not available with SC option teamed with 320-400W, not available with 480V. 6 Type III only. Not available with CF lamps. 7 Not available with 320 thru 400W. 8 Not available in Type IV 320V through 400W. Not available in Type III with F1, F2 with 320W through 400W. 9 Rated for 40°C for 250W and below fixture. Not available with CF lamps. 10 Each ballast independently wired. Available on 96, 114 or 126W CF wattages. 11 Specify CF option 96 or 126W, not available with HS, FR, or VS options. Must specify number of lamps. 12 Not available with 320W thru 400W or 114 or 126W CF options. 13 (1) 120V Lamp, 150W maximum quartz lamp. Utility power may need to cycle to allow HID lamp to cool in warm climates. 14 Emergency lamps supplied by others. 15 Emergency lamp leads out of the back of the unit to auxillary 120V. 16 (1) or (2) 120V Lamps. GU10 base, 50W maximum each. Lamps supplied by others. 17 Power supplied by low voltage DC source (supplied by others). (1) or (2) 12V bi-pin socket GU5.3 base lamps, 35W maximum each. 18 Specify 120 or 277V, (-18°C) minimum temperature, not available with UP10 or CSW option, 70W CF maximum. 19 Specify 120 or 277V, (-18°C) minimum temperature, supports (2) 32W CF lamps, not available with UP10 or CSW option. 20 Specify 120 or 277V, (0°C) minimum, not available with UP10 or CSW option, 70W CF maximum. 21 Specify 120 or 277V, (0°C) minimum, not available with UP10 or CSW option, supports (2) 32W CF lamps. 22 Not available with VS option. 23 Not available with 320 thru 400W. Not available with wire guard. 24 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage	Distribution
Pulse Start Metal Halide (MP)	150, 200, 250, 320, 350, 400W	Type III, IV
Metal Halide (MH)	175, 250, 400W	Type III, IV
High Pressure Sodium (HP)	250, 400W	Type III, IV
Compact Fluorescent (CF)	(1) 60, (1) 70, (1) 85W,	Type II, IV
	(2) 120, (2) 57, (3) 32, (3) 42W	

Voitage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V) (50/60 Hz)



IMPACT QUARTER SPHERE

50-175W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

26-84W **Compact Fluorescent**

FULL CUTOFF WALL MOUNT LUMINAIRE

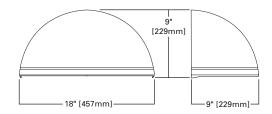
- . U.L. listed for wet locations. CSA certified
- Two-piece die-cast aluminum housing
- · Rigid steel mounting attachment fits directly to 4" J-Box or wall with "Hook-N-Lock" mechanism for quick installation
- HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HP and -30°C (-22°F) for MP/MH. Compact Fluorescent luminaires feature electronic universal 120-277V high efficient 50/60Hz ballast with -18°C (0°F) minimum starting
- Die-cast door features 1/8" heat- and impact-resistant clear tempered glass lens. Hinged door secured in place via two (2) captive fasteners
- · Durable polyester powder coat finish. Standard color is bronze. Other finish colors available
- · Approximate net weight: 18 lbs. (8 kgs.)

DESCRIPTION

The IMPACT Quarter Sphere full cutoff wall luminaire makes an ideal complement to site design. U.L. Listed and CSA Certified for wet locations in down mount applications and damp locations in up mounted applications.

Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding schools, office complexes, apartments, and recreational facilities.

DIMENSIONS





NOTE: In down light applications only

ORDERING INFORMATION SAMPLE NUMBER: MHIP-S-150-MT-LL Lamp Type Fixture Shape Lamp Wattage 1 Fixture Type Voltage 2 Options MP=Pulse Start IP=Impact MH 120V S=Quarter Sphere MP (See Below) Metal Halide **50**=50W 175=175W ¹ 26=(1) 26W 208V MH=Metal Halide 240V 70=70W HP 32=(1) 32W HP=High Pressure 100=100W **50**=50W 42=(1) 42W 277V Sodium 150=150W **70**=70W 52=(2) 26W 347V CF=Compact Fluorescent 100=100W 64=(2) 32W 480V **150**=150W 84=(2) 42W **DT**=Dual-Tap MT=Multi-Tap wired 277V TT=Triple-Tap wired 347V ⁴ E=Electronic 120-277V ¹⁰

Options 12

F1=Single Fuse, Specify Voltage (120, 277 or 347V)
F2=Double Fuse, Specify Voltage (208 or 240V)
PE=Button Photocontrol (Must Specify Voltage)

BK=Black WH=White AP=Grey

GM=Graphite Metallic DP=Dark Platinum

LL=Lamp Included (Must Specify Wattage on CF) TR=Tamper Resistant Screw (Door and Mounting Plate)

HS=House-side Shield Glass PL=Polycarbonate Lens

Q=Quartz Restrike (1) T4 Lamp EM=Emergency Quartz Restrike (1) T4 Lamp With

Time Delay Relay

EM/SC=Emergency Separate Circuit (1) T4 Lamp QMR=Quartz Restrike (1) MR16 Lamp

EMMR=Emergency Quartz Restrike (1) MR16 Lamp With

Time Delay Relay

EM/SC/MR=Emergency Separate Circuit (1) MR16 Lamp

2EM/SC/MR=Emergency Separate Circuit (2) MR16 Lamp 2EMMR=Emergency Quartz Restrike (1) MR16 Lamp With Time Delay Relay and (1) MR16 Emergency Separate

Circuit Lamp EM/SC/12V=Emergency Separate Circuit 12V Low Voltage (1) MR16 Lamp EMI40=Emergency Cold Temperature (UL924 Listed) Power Pack

-18°C / 0°F, (1) CF Lamp, Specify Voltage

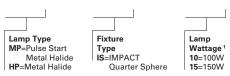
CF-EM=Emergency CF Power Pack (UL924 Listed) (1) CF Lamp.

0°C / 32°F. Specify Voltage

NOTES: 1 Lamp type not available in all wattages - see wattage table. HID lamps are medium-base. 480V not available in 50W or 70W. 175W MH is available for non-U.S. markets only. 2 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Representative for availability and ordering information. 3 PE not available with 480V. 4 Available with CF Option only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. 5 Down lighting position only. 6 (1) 120V Lamp, 100W maximum quartz lamp. Utility power may need to cycle to allow HID lamp to cool in warm climates. Not available with CF Option. Lamp supplied by others. 7 Leads out of the back of the unit for auxillary 120V. 8 Not available with CF lamps. 9 (1) or (2) 120V Lamps. GU10 base, 50W maximum each. Lamps supplied by others. 10 Not Available with 52, 64, 84 CF wattages. 11 (1) or (2) 12V bi-pin lamp, socket GU5.3 base, 35W maximum. Power supplied by low voltage DC source (supplied by others). Lamps supplied by others. 12 Specify 120 or 277V, (-18°C) minimum temperature. 13 Specify 120 or 277V, (0°C) minimum temperature. 14 Specifications and dimensions subject to change without

STOCK SAMPLE NUMBER (LAMP INCLUDED)

SAMPLE NUMBER: MPIS15

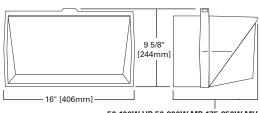


NOTES: Standard multi-tap and bronze. Refer to In-Stock Guide for availability. Options not available with stock products. Refer to standard order information to add

Lamp Type	Wattage	Distribution
Pulse Start Metal Halide (MP)	50, 70, 100, 150W	Type II
Metal Halide (MH)	175W	Type II
High Pressure Sodium (HP)	50, 70, 100, 150W	Type II
Compact Fluorescent (CF)	(1) 26, (1) 32, (1) 42W,	Type II
	(2) 26, (2) 32, (2) 42W	

Voitage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120-277V (wired 277V) (50/60 Hz)

DIMENSIONS



50-100W HP, 50-200W MP, 175-250W MH 10 1/2" [267mm] 250-400W HP, 320-400W MP, 400W MH 12 1/16" [306mm]

DESCRIPTION

The Lumark Wal-Pak provides a durable and efficient exterior light source for any application requiring maximum performance and minimum maintenance. The rugged, die-cast aluminum housing, stainless steel hardware and gasket sealed optics compartment combine to make the Wal-Pak virtually impenetrable to contaminants.



WL WAL-PAK

50-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

> WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified. EISA Complaint
- Captive corrosion resistant, single point mounting screw
- Die-cast aluminum housing is finished in dark bronze polyester powder coat
- Impact resistant borosilicate prismatic glass or polycarbonate refractor with aluminum reflector that provides maximum photometric performance and beam efficiency
- High-temperature silicone gasketing seals out external contaminants
- Mogul-base porcelain socket, except 150W and below has medium-base
- Normal or High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HP and -30° C (-20°F) for MH and MP
- Door assembly is hinged at bottom for ease of maintenance
- 3/4" threaded entry on top for surface conduit entry or field installation of photocontrol
- Approximate net weight: 32-42 lbs. (15-19 kgs.)

ORDERING INFORMATION

SAMPLE NUMBER: MPWL-250-MT-LL Lamp Type MP=Pulse Lamp Wattage ³ Voltage ' Options & Series WL=Wal-Pak/ MP MH 1 120V Accessories Start Borosilicate **50**=50W 175=175W 208V (See Below) Glass Lens/HPF 250=250W Metal 70=70W 240V Halide PL=Wal-Pak/ 100=100W **400**=400W 277V MH=Metal Polycarbonate **150**=150W 347V 5 Halide 1 Lens/HPF² 200=200W 50=50W 480V HP=High WE=Wal-Pak/ **250**=250W MT=Multi-Tap wired 277V **70**=70W Borosilicate **320**=320W **100**=100W TT=Triple-Tap wired 347V 5 Pressure Sodium Glass Lens/NPF 350=350W 150=150W 5T=5-Tap 6 **400**=400W 250=250W 400=400W

Options 7

F1=Single Fuse (120, 277 or 347V only)
F2=Double Fuse (208, 240 or 480V only)

TR=Tamper-resistant Screws
Q=Quartz Restrike (Hot Strike Only)
EM=Quartz Restrike with "Delay Relay

(Quartz lamp strikes at both hot and cold start)

EM/SC=Emergency Separate Circuit

LL=Lamp Included 8

PE=Internal Photocontrol (Specify Voltage)

PC=Button Type Photocontrol

Accessories 9

WG/WL=Wire Guard ¹⁰ VS/WL-XX=Visor Cutoff Shield ¹⁰ FC/WL=Full Cutoff Shield

FC/WL=Full Cutoff Shield
FSC/WL=Semi Cutoff Shield
WLR=Replacement Glass Lens

PLL=Replacement Polycarbonate Lens (150W maximum)

PE-347V=Field-installed Photocontrol, 347V
PE-480V=Field-installed Photocontrol, 480V

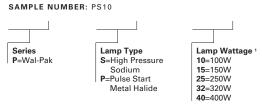
PE/MT=Field-installed Photocontrol TRSD-1/4-20=Tamper-resistant Screwdriver PCS=Polycarbonate Vandal Shield ¹²

TWC=Thru-way Conduit

NOTES: 1 175W, 250W and 400 MH available for non-US markets only. 2 150W maximum in HP and MP and 175W in MH. 3 Consult IES Photometric files for lamp information. 4 Products also available in non-US voltages and 50HZ for international markets. 5 88% Efficient EISA MP fixtures not available in 347V and Triple-tap voltages. 6 5-Tap ballast available in 400W MH only. 7 Add as suffix in the order shown. 8 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Order separately.

10 Wire guard, visor and shields can not be used together on the same unit. 11 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: 1 320W available in MP only. 100W available in HP only. 2 Shipped with multi-tap ballast, wired 277V. Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. Refer to in Stock Guide for availability

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100, 150, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	50, 70, 100, 150, 250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/277/347/480V (wired 480V)



MN MON-2

35-150WHigh Pressure Sodium
Pulse Start Metal Halide

CUTOFF WALL MOUNT LUMINAIRE

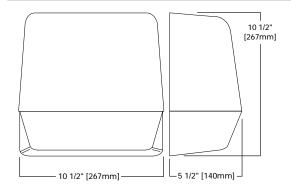
- U.L. listed for wet locations. CSA certified
- One-piece, durable die-cast aluminum housing in a pleasing soft-corner design
- Dark bronze polyester powder coat (standard) finish is both weatherand abrasion-resistant
- Compact ballast core and coil assembly
- Pulse-rated medium-base porcelain lamp socket
- Specular polished aluminum reflectors provide sharp cutoff and minimum glare with maximum spacing between luminaires
- Standard and tamperproof lens screws included with each fixture
- Closed-cell gas-filled high-temperature silicone gasketing
- Approximate net weight: 9 lbs. (4 kgs.)

DESCRIPTION

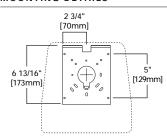
Energy-saving long-life
HID lamps within a sealed and
gasketed optics compartment
reduce maintenance to a
minimum. A polished-aluminum
specular reflector system
promotes maximum luminaire
performance.



DIMENSIONS



MOUNTING DETAILS



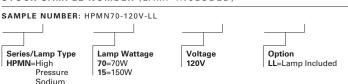
ORDERING INFORMATION

SAMPLE NUMBER: HPMN-70-120V-LL Ballast Lamp Type MP=Pulse Start Series Lamp Voltage 5 Options 6 Accessories MN=Mon-2 H=High LL=Lamp Included 3 WA1XX=277V Adapter (Specify Color. Wattage Metal Halide Power F1=Single Fuse Bronze is Standard) Factor 3,4 (120, 277 or 347V only) **PE**=Internal Photocontrol HP=High Pressure 50=50W WA1347XX=347V Adapter (Specify Color. Bronze is Standard) **70**=70W =Normal Sodium **100**=100W (Specify Voltage) WA2=Forward Throw Reflector WA3XX=Pole Mount Adapter (Specify Color. Bronze is Standard) **150**=150W Factor PC=Button Type HP Photocontrol **35**=35W WA4XX=Glare Shield (Specify Color. 50=50W Bronze is Standard) **70**=70W SD2925PK=Screwdriver for Tamper-**100**=100W Resistant Screws

NOTES: 1 100W MP maximum. 2 All lamps are medium-base. 3 Not available in 100W MP. 4 High Power Factor ballast is required on all MP products. 5 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 6 Add as suffix in the order shown. 7 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 8 Mon-2 Ft single fuse available in 120V only. 9 Order separately. 10 Specifications and dimensions subject to change without notice.

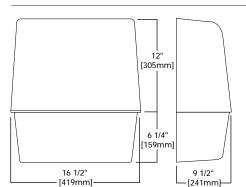
STOCK SAMPLE NUMBER (LAMP INCLUDED)

150=150W



NOTES: 1 Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability. 3 Specifications and dimensions subject to change without notice.

DIMENSIONS



DESCRIPTION

The Lumark MON-4 features a injection-molded polycarbonate housing / lens and a die-cast aluminum back plate for rugged durability.



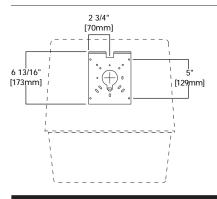
M4 MON-4

70-400W High Pressure Sodium Pulse Start Metal Halide Metal Halide

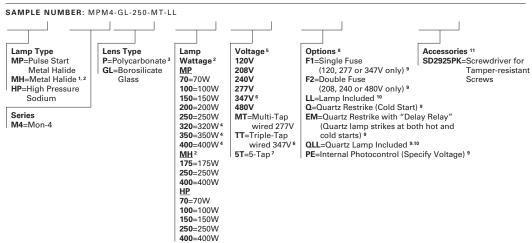
CUTOFF WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified. EISA Complaint
- One-piece, heavy-duty, die-cast aluminum housing is finished in dark bronze polyester powder coat
- Normal or high power factor compact coil and core ballast with class H insulation
- Anodized aluminum reflector is designed for optimum light control and sharp cutoff (adjustable from 70° to 86°)
- Mogul-base porcelain enclosed screw-shell socket, except 150W MP and lower which is medium-base
- Closed-cell hightemperature silicone gasketing seals out external contaminants
- Lens lowers on spring-loaded retaining wires for quick access to internal components during relamping and maintenance
- Approximate net weight: 47 lbs. (21 kgs.)

MOUNTING DETAILS



ORDERING INFORMATION



NOTES: 1 All lamps are mogul-base except 150W MP and lower are medium-base. Lamp included. 2 175 and 250W MH available to non-US markets only.

3 Polycarbonate lens available from 70-250W HP, 70-150W MP and 175W MH. 4 Consult factory for availability. 5 Products also available in non-US voltages and 50Hz for international markets. 6 88% efficient EISA compliant fixtures not available in 347V or Triple-tap voltages. 7 5-Tap available in 400W MH only.

8 Add as suffix in the order shown. 9 250W maximum MP or MH. 10 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 11 Order separately. 12 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 150, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	70, 100, 150, 250, 400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/277/347/480V (wired 480V)



WM WAL-LITE

35-70W High Pressure Sodium

42W Compact Fluorescent

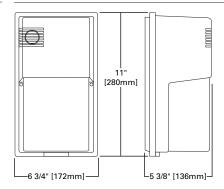
COMPACT WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified
- Die-cast aluminum back plate
- Injection-molded polycarbonate housing. Standard color bronze. Optional white finish available
- Aluminum reflector and prismatic refractor directs light down and out, reducing glare and wasted light
- HID: HP up to 70W, lamp included. CF: 42W, lamp included with stock models
- HID: 4Kv medium 3PSE socket. CF: Gx24q-4 (4-pin)
- Housing is sealed and gasketed
- 1/2" NPS entry point for direct mount applications where internal wiring is desired
- Can be mounted to any vertical surface
- Approximate net weight: 4.6-7 lbs. (2.04-3 kgs.)

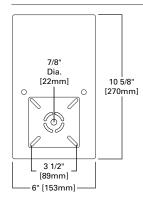
DESCRIPTION

The Lumark WAL-LITE features a injection-molded polycarbonate housing / lens and a die-cast aluminum back plate for rugged durability.

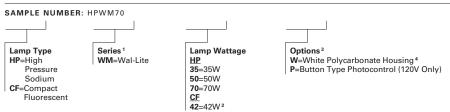
DIMENSIONS



MOUNTING DETAIL

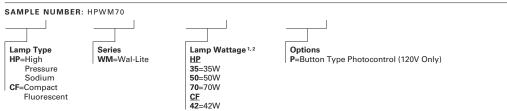


ORDERING INFORMATION (LAMP INCLUDED)



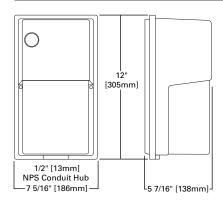
NOTES: 1 HP 120V only. CF 120-277V electronic ballast. 2 In cold temperatures, compact fluorescent lamps produce lower illumination levels. 3 Add as suffix in the order shown. 4 Not available in 35W HP and 42W CF. 5 Products also available in non-US voltages for international markets. 6 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)

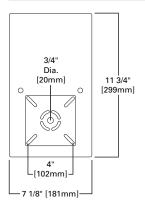


NOTES: 1 42W available in CF only. 2 35, 50, 70W fixtures are 120V. 42W CF without option without photocontrol option is 120-277V. 3 Specifications and dimensions subject to change without notice.

DIMENSIONS



MOUNTING DETAIL



DESCRIPTION

The Lumark Wal-Lite Glass features a clear prismatic impactresistant borosilicate glass lens and a die-cast aluminum back plate for rugged durability.

Wal-Lite Glass can be mounted to any vertical surface, and delivers excellent beam control for areas such as entrance/eaves, corridors, parking garages, pathways, recreational, retail, security, transportation and warehouse applications.



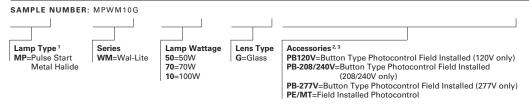
WM WAL-LITE GLASS

50-100W Pulse Start Metal Halide

> COMPACT GLASS WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified
- Die-cast aluminum back plate
- Die-cast aluminum housing finished in bronze polyester powder coat
- Formed aluminum reflector and prismatic borosilicate glass refractor
- 4KV pulse-rated mediumbase porcelain socket
- Housing is sealed and gasketed
- 1/2" NPS entry point for direct mount applications where internal wiring is desired
- Flush-mount to vertical surface via die-cast aluminum back plate over recessed J-box or direct to wall and run supply wires through bottom 1/2" NPS entry
- Approximate net weight: 12 lbs. (5.4 kgs.)

ORDERING INFORMATION (LAMP INCLUDED)



NOTES: 1 All lamps are medium-base. Lamp is included. 2 Order separately. 3 Products also available in non-US voltages and frequencies for international markets.

4 Specifications and dimensions subject to change without notice.



WP WAL-EYE

70-175W
High Pressure Sodium
Pulse Start Metal Halide
Metal Halide

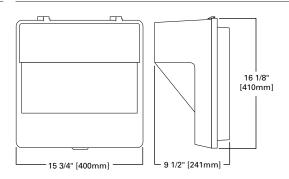
WALL MOUNT

- Die-cast aluminum base housing is U.L. listed for wet locations and CSA certified
- One-piece polycarbonate front cover with choice of prismatic or clear lens area
- Specially formulated finish on inside of unit for maximum weather resistance
- Formed, specular anodized aluminum reflector
- Cast-in gasket-retaining channel positively locates door gasket
- Molded-in latch for toolless entry
- Approximate net weight: 20 lbs. (9 kgs.)

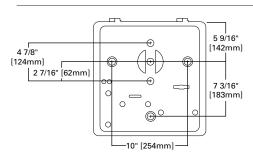
DESCRIPTION

The Lumark WAL-Eye blends durable polycarbonate construction and efficient illumination with an exciting design to deliver lasting performance in virtually any architectural setting.

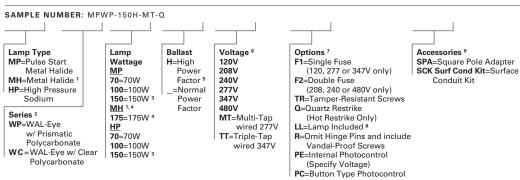
DIMENSIONS



MOUNTING DETAILS

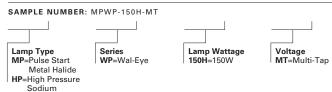


ORDERING INFORMATION



NOTES: 1 175W MH available in non-US markets only. 2 Standard lens is prismatic polycarbonate. To specify clear polycarbonate change "WP" in catalog number to "WC". 3 Uses S-55 (55 Volt) lamp only. 4 Uses coated lamp. 5 High Power Factor ballast is required on all MP and MH products. 6 Products also available in non-US voltages and 50Hz for international markets. 7 Add as suffix in the order shown. 8 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Order separately. 10 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER

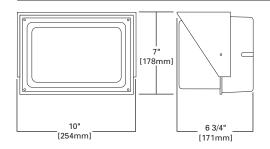


NOTES: Standard multi-tap and bronze. Refer to In-Stock Guide for availability. Options not available with stock products. Order accessories as separate item for field installation. Refer to standard ordering information to add options and accessories.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 150W
Metal Halide (MH)	175W
High Pressure Sodium (HP)	70, 100, 150W

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)

DIMENSIONS



DESCRIPTION

The Lumark Glass-Pak is constructed of premium die-cast aluminum and features a borosilicate glass lens.

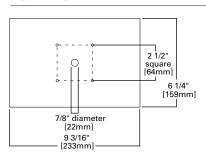
GP GLASS-PAK

35-175W High Pressure Sodium Pulse Start Metal Halide Metal Halide

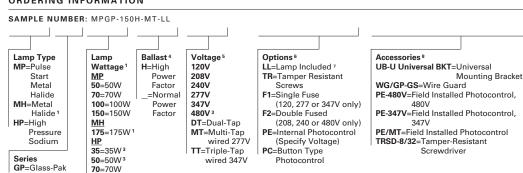
> WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified
- Die-cast aluminum housing finished in architectural dark bronze polyester powder coat
- Precision aluminum reflector/ visor system directs light down and out, eliminating glare and wasted light
- Optical system is sealed with foam-in-place silicone gasketing
- Can be mounted to any vertical surface. 1/2" knockouts on side of housing accommodate surface-mounted conduit, or back plate can be mounted to 4" octagonal J-box
- Prismatic borosilicate glass refractor provides excellent beam distribution without lens yellowing
- Approximate net weight: 18 lbs. (8 kgs.)

MOUNTING DETAIL



ORDERING INFORMATION



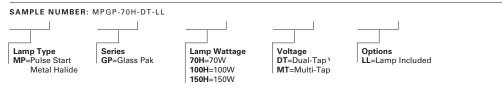
NOTES: 1 All HID lamps are medium-base. 175W MH is available for non-US markets only. 2 35W is HP only, 120V only. 3 480V not available in 35 or 50W.

4 High Power Factor ballast required on all MP and MH products. 5 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering. 6 Add as suffix in the order shown. 7 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 8 Order separately. 9 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)

100=100W

150=150W



NOTES: 1 Dual-Tap available on 70W.

Standard multi-tap and bronze. Refer to In-Stock Guide for availability. Options not available with stock products. Order accessories as separate item for field installation. Refer to standard ordering information to add options and accessories.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	70, 100, 150W
Metal Halide (MH)	175W
High Pressure Sodium (HP)	70, 100, 150W

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)



GS SUPER SMOKEY

35-175W High Pressure Sodium Pulse Start Metal Halide Metal Halide

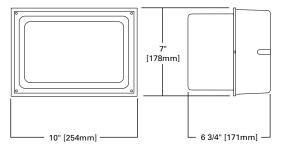
WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified
- Die-cast aluminum housing finished in architectural dark bronze polyester powder coat
- Prismatic borosilicate glass refractor and aluminum reflector provide excellent beam distribution without lens yellowing
- Foam-in-place door gasketing seals out external contaminants
- 1/2" K.O.s inside for surface mounted conduit and drill spots in back for mounting to 4" octagonal .I-box
- Approximate net weight: 18 lbs. (8 kgs.)

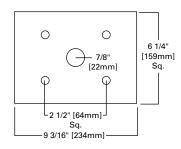
DESCRIPTION

The Lumark Super Smokey is constructed of premium die-cast aluminum and features a borosilicate glass lens. The housing forms a solid foundation for the electrical components and an anodized aluminum reflector.

DIMENSIONS



MOUNTING DETAIL



ORDERING INFORMATION

SAMPLE NUMBER: MPGS-150H-120V-LL Lamp Type Series Lamp Ballast 5 Voltage 6 Options 7 Accessories 10 Wattage 1 MP=Pulse GS=Super **H**=High 120V LL=Lamp Included 8 **UB-U Universal BKT**=Universal 120/277V 4 Mounting Start Smokey MP Power TR=Tamper Resistant **50**=50W ² 208V Bracket Metal Factor Screws Halide **70**=70W 240V F1=Single Fuse WG/GP-GS=Wire Guard Normal (120, 277 or 347V only) **F2**=Double Fused MH-Metal 100-100W Power 277V 347V PE-347V=Field Installed Photocontrol, 347V **150**=150W Halide Factor **HP**=High 480V (208, 240 or 480V only) PE-480V=Field Installed MH DT=Dual-Tap MT=Multi-Tap 175=175W 4 PE=Internal Photocontrol (Specify Voltage) 9 Photocontrol, 480V **PE/MT**=Field Installed Pressure HP Sodium Photocontrol 35=35W ^{2, 3} wired 277V PC=Button Type TT=Triple-Tap wired 347V 50=50W ² Photocontrol TRSD-8/32=Tamper-Resistant **70**=70W Screwdriver

NOTES: 1 All lamps are medium-base. 2 480V not available in 35 or 50W. 3 35W is HP, 120V only. 4 175W MH available in non-US markets only. 175W available in 120/277V. 5 Ballast for 120V units are Normal Power Factor Reactor type. High Power Factor ballast is required on all MP and MH products. 6 Products also available in non-US voltages and 50Hz for international markets. 7 Add as suffix in the order shown. 8 Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Single voltage only. Not available in 175W MH. 10 Order separately. 11 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)

SAMPLE NUMBER: MPGS-15-MT-LL

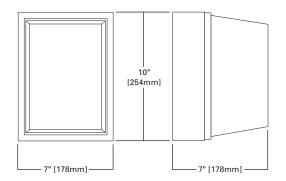
Lamp Type
MP=Pulse Start
Metal Halide
Series
GS=Super Smokey
MT=Multi-Tap
Mt=Mtal Halide
Mt=Mtal Halide

NOTES: Options not available with stock products. Order accessories as separate item for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100, 150W
Metal Halide (MH)	175W
High Pressure Sodium (HP)	35, 50, 70W

Voltage Chart	
DT=Dual-Tap	120/277V (wired 277V)
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)

DIMENSIONS



DESCRIPTION

The Lumark Smokey combines contemporary design with a premium die-cast aluminum housing and sturdy injectionmolded polycarbonate refractor, creating a fixture which is both durable and attractive.

SMOKEY

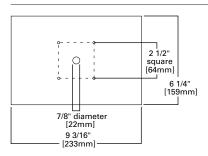
35-100W **High Pressure Sodium Pulse Start Metal Halide**

> 13-56W **Compact Fluorescent**

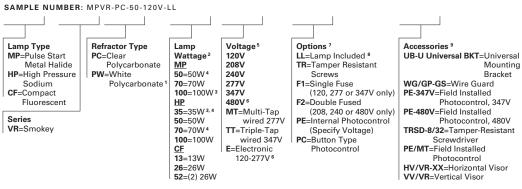
COMPACT WALL MOUNT LUMINAIRE

- U.L. listed for wet locations. CSA certified
- Die-cast aluminum housing finished in architectural dark bronze polyester powder coat
- Optical system is sealed with closed-cell, gasfilled, high-temperature silicone gasketing
- · Can be ceiling, wall or pole mounted in horizontal or vertical position. 1/2" knockouts on side of housing accommodate surfacemounted conduit, or back plate can be mounted to 4" octagonal J-box
- Injection-molded prismatic polycarbonate refractor is available in white or clear
- Approximate net weight: 6 lbs. (3 kgs.)

MOUNTING DETAIL

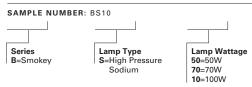


ORDERING INFORMATION



NOTES: 1 70W maximum. 2 All HID lamps are medium-base. 3 120V only. 4 480V not available in 35 or 50W. 5 Products also available in non-US voltages and 50Hz for international markets. 6 Electronic ballast available on 26 and 52W CF units. 7 Add as suffix in the order shown. 8 Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Order separately, replace XX with color specification. 10 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100W
High Pressure Sodium (HP)	35, 50, 70W
Compact Fluorescent (CF)	13, 26, (2) 26W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120/277V



MP MICRO-PAK

35-100W **High Pressure Sodium Pulse Start Metal Halide**

13-36W **Compact Fluorescent**

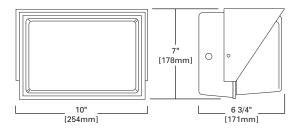
COMPACT WALL MOUNT LUMINAIRE

- · U.L. listed wet locations. CSA certified
- Die-cast aluminum housing finished in architectural dark bronze polyester powder coat
- Precision aluminum reflector / visor system directs light down and out, eliminating glare and wasted light
- · Optical system is sealed with foam-in-place silicone gasketing
- · Can be mounted to any vertical surface. 1/2" knockouts on side of housing accommodate surface-mounted conduit, or back plate can be mounted to 4" octagonal J-box
- Injection-molded polycarbonate refractor is available in white or clear prismatic
- Approximate net weight: 7 lbs. (3 kgs.)

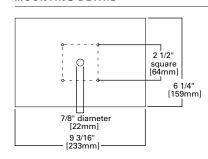
DESCRIPTION

The Lumark Micro-Pak features premium die-cast aluminum construction for durability and precision-designed optics to throw light down and out and eliminate glare and wasted light.

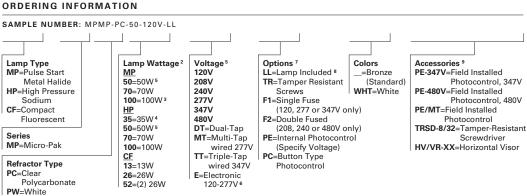
DIMENSIONS



MOUNTING DETAIL

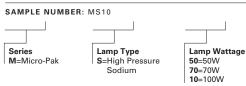


Polycarbonate 1



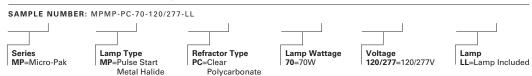
NOTES: 1 70W maximum. 2 All HID lamps are medium-base. 3 120V only. 4 Not available in 480V. 5 Products also available in non-US voltages and 50Hz for international markets. 6 Electronic ballast available on 26 and 52W CF units. In cold temperature, compact fluorescent lamps produce lower illumination levels. 7 Add as suffix in the order shown. 8 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Order separately. 10 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (Lamp Included: High Pressure Sodium)



NOTES: Options not available with stock products. Order accessories as separate item for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability.

STOCK SAMPLE NUMBER (Lamp Included: Pulse Start Metal Halide)



NOTES: Options not available with stock products. Order accessories as separate item for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100W
High Pressure Sodium (HP)	35, 50, 70W
Compact Fluorescent (CF)	13, 26, (2) 26W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
E=Electronic (CF only)	120/277V

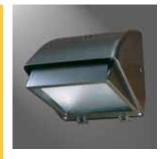
DESCRIPTION

Lumark's Cutoff Wally is a cutoff classified wall luminaire. Combining compact, aerodynamic styling with higher wattage performance, it is ideal for areas where spill light and glare control must be managed effectively.



SPECIFICATION FEATURES

- . U.L. listed for wet locations
- Die-cast aluminum housing finished standard bronze polyester powder coat
- HID: 4Kv medium-base socket. CFL: Gx24q-4 (4-pin)
- HID: Medium-base lamp included and available in 150W High Pressure Sodium or 100W Pulse Start Metal Halide. CFL: Supplied with 4-pin, 42W Compact Fluorescent lamp
- Special one-piece door design held in place with slot-head captive screws, provides low-glare cutoff lighting. Silicone gasketing seals out dirt and contaminants
- Patterned tempered glass lens minimizes direct lamp imaging
- Ships completely prewired and preassembled. Easily mounts to J-box, wall for quick installation
- Approximate net weight: 7-11 lbs. (3-5 kgs.)



WALLY CUTOFF

50-150W **High Pressure Sodium Pulse Start Metal Halide**

> 42W Compact Fluorescent

> > WALL MOUNT LUMINAIRE

ORDERING INFORMATION (LAMP INCLUDED)

_				
Type	Wattage	Туре	Voltage	Color
ED17	50	Reactor/NPF	120V	Bronze
ED17	70	Reactor/NPF	120V	Bronze
ED17	100	Reactor/NPF	120V	Bronze
ED17	150	Reactor/NPF	120V	Bronze
ED17	70	Hi. Reac/NPF	120V/277V	Bronze
ED17	100	Hi. Reac/NPF	120V/277V	Bronze
Gx24q-4 (4-pin)	42	Electronic	120V/277V	Bronze
	ED17 ED17 ED17 ED17 ED17 Gx24q-4 (4-pin)	ED17 70 ED17 100 ED17 150 ED17 70 ED17 150 ED17 70 ED17 100 Gx24q-4 (4-pin) 42	ED17 70 Reactor/NPF ED17 100 Reactor/NPF ED17 150 Reactor/NPF ED17 70 Hi. Reac/NPF ED17 100 Hi. Reac/NPF ED17 100 Hi. Reac/NPF	ED17 70 Reactor/NPF 120V ED17 100 Reactor/NPF 120V ED17 150 Reactor/NPF 120V ED17 150 Hi. Reac/NPF 120V ED17 70 Hi. Reac/NPF 120V/277V ED17 100 Hi. Reac/NPF 120V/277V

WHT). Not available in 42W Compact Fluorescent. In cold temperatures, Compact Fluorescent lamps produce lower illumination

Accessories (order separately)

WY/CO=Cutoff Replacement Door (Bronze). Not available in 42W Compact Fluorescent.

WY/FC/CO=Full Cutoff Visor for Cutoff (Bronze)

DESCRIPTION

The Lumark Wally Glass combines contemporary styling and optimum performance. A variety of mounting options add to the versatility of this compact fixture.

SPECIFICATION FEATURES

- U.L. listed for wet locations. CSA certified
- · Die-cast aluminum housing finished in a durable bronze polyester powder coat finish
- HID: 4Kv medium-base socket. CFL: Gx24q-4 (4-pin)
- HID: Medium-base lamp included and available in 150W High Pressure Sodium or 100W Pulse Start Metal Halide. Supplied with 4-pin, 42W Compact Fluorescent lamp
- Special one-piece hinged door design held in place with slot-head captive screws. Silicone gasketing seals out dirt and contaminants
- · Borosilicate glass lens or polycarbonate lens minimizes direct lamp imaging
- Ships completely prewired and preassembled. Easily mounts to J-box, wall for quick installation
- Approximate net weight: 7-11 lbs. (3-5 kgs.)



WALLY

50-150W **High Pressure Sodium Pulse Start Metal Halide**

> 42W **Compact Fluorescent**

> > WALL MOUNT LUMINAIRE

ORDERING INFORMATION (LAMP INCLUDED)

Catalog	Lamp	Lamp	Ballast		
Number	Type	Wattage	Type	Voltage	Color
High Pressure Sodium					
LS50G	ED17	50	Reactor/NPF	120V	Bronze
LS70G	ED17	70	Reactor/NPF	120V	Bronze
LS10G	ED17	100	Reactor/NPF	120V	Bronze
LS15G	ED17	150	Reactor/NPF	120V	Bronze
Pulse Start Metal Halide					
LP70G	ED17	70	Hi. Reac/NPF	120V/277V	Bronze
LP10G	ED17	100	Hi. Reac/NPF	120V/277V	Bronze
Compact Fluorescent					
LC42	Gx24q-4 (4-pin)	42	Electronic	120V/277V	Bronze
NOTE: Add "W" to the en	d of catalog number for	white finish for Pulse	Start Metal Halide or High	Pressure Sodium mode	le only Add

N'' to the end of catalog number for white finish for Pulse Start Metal Halide or High Pressure Sodium models only. Add "WHT" to the end of accessory for white finish (Example: WY/WG-WHT). In cold temperatures, Compact Fluorescent lamps produce lower illumination levels.

Accessories (order separately)

WY/WG=Glass Wire Guard

WY/FC/GS=Full Cutoff Visor for Glass (Bronze)



Z-PAK CUTOFF

150-175W High Pressure Sodium Pulse Start Metal Halide Metal Halide

84W Compact Fluorescent

CUTOFF WALL MOUNT LUMINAIRE

DESCRIPTION

Lumark's cutoff Z-Pack is a low angle / low glare classified wall luminaire. Combining compact, aerodynamic styling with higher wattage performance, it is ideal for areas where spill light and glare control must be managed effectively.

SPECIFICATION FEATURES

- U.L. listed for wet locations. CSA certified
- Die-cast aluminum housing finished in a standard bronze polyester powder coat finish
- HID: 4Kv medium-base socket. CFL: Gx24q-4 (4-pin)
- HID: Medium-base lamp included and available in 150W High Pressure Sodium, 150W Pulse Start Metal Halide or 175W Metal Halide (International Use Only). CFL: (2) 42W CF lamps included
- Mounts to J-box or can be surface mounted through tapped openings

- Special one-piece door design provides low-glare cutoff lighting. Silicone gasketing seals out dirt and contaminants. Ships completely prewired and preassembled. Easily mounts to J-box, wall for quick installation
- Patterned tempered glass lens minimizes direct lamp imaging. Lens assembly is hinged on the side for easy relamping and maintenance
- Approximate net weight: 11-18 lbs. (5-8 kgs.)

ORDERING INFORMATION (LAMP INCLUDED)

Catalog	Lamp	Lamp	Ballast		
Number	Type	Wattage	Type	Voltage	Color
High Pressure Sodi	ium				
HPFZ15C	B17	150	Reactor/NPF	120V	Bronze
Pulse Start Metal H	falide				
MPFZ15C	ED17	150	CWA	Multi-Tap	Bronze
Metal Halide (Inter	national Use Only)				
MHFZ17C	ED28	175	CWA	Multi-Tap	Bronze
Compact Fluoresce	ent				
CFFZ84C	GX24q-4	84 (2-42W)	Electronic	120-277V	Bronze

NOTE: Add "W" to the end of catalog number for white finish. Not available in 84W Compact Fluorescent. In cold temperatures, Compact Fluorescent lamps produce lower illumination levels.

Accessories (order separately)
FZ/CO=Cutoff Door Replacement (Bronze)
FZ/FC/CO=Full Cutoff Visor for Cutoff (Bronze)

FZ/VS/CO=Vandal Shield for Cutoff (Bronze)

NOTE: Add "WHT" to the end of accessory for white finish (Example: FZ/CO-WHT).



Z-PAK

150-175W
High Pressure Sodium
Pulse Start Metal Halide
Metal Halide

84W Compact Fluorescent

CUTOFF WALL MOUNT

DESCRIPTION

The Lumark Z-Pak provides a durable and efficient exterior light source for any application requiring maximum performance and minimum maintenance. The rugged, die-cast aluminum housing, stainless steel hardware and sealed and gasketed optics compartment combine to make the Z-Pak virtually impenetrable to contaminant's.

SPECIFICATION FEATURES

- U.L. listed for wet locations. CSA certified
- Die-cast aluminum housing finished in a durable bronze polyester powder coat
- HID: 4Kv medium-base socket. CFL: Gx24q-4 (4-pin)
- HID: Medium-base lamp included and available in 150W High Pressure Sodium, 150W Pulse Start Metal Halide or 175W Metal Halide (International Use Only). CFL: (2) 42W CF lamps included
- One-piece die-cast door assembly is hinged on the side for easy relamping and maintenance. A silicone gasket seals out dirt and contaminants
- Impact-resistant borosilicate glass refractor
- Mounts to J-box or can be surface mounted through tapped openings
- Approximate net weight: 11-18 lbs. (5-8 kgs.)

ORDERING INFORMATION (LAMP INCLUDED)

Catalog	Lamp	Lamp	Ballast		
Number	Type	Wattage	Type	Voltage	Color
High Pressure Sod	ium			-	
HPFZ15	B17	150	Reactor/NPF	120V	Bronze
Pulse Start Metal I	Halide				
MPFZ15	ED17	150	CWA	Multi-Tap	Bronze
Metal Halide (Inter	national Use Only)				
MHFZ17	ED28	175	CWA	Multi-Tap	Bronze
Compact Fluoresc	ent				
CFFZ84	Gx24q-4	84 (2-42W)	Electronic	120-277V	Bronze

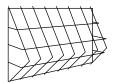
NOTE: Add "W" to the end of catalog number for white finish. Not available in 84W Compact Fluorescent. In cold temperatures, Compact Fluorescent lamps produce lower illumination levels.

Accessories (order separately)
FZ/WG=Wire Guard

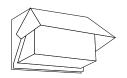
FZ/WG=Wire Guard
FZ/GS=Glass Door Replacement (Bronze)

FZ/FC/GS=Full Cutoff Visor for Glass (Bronze)
FZ/VS/GS=Vandal Shield for Glass (Bronze)

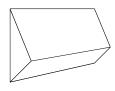
WALL-MOUNTED ACCESSORIES



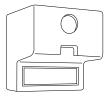
WG/WL Wire Guard for Wal-Pak (Not compatible with PCS)



VS/WL For Wal-Pak Visor Cutoff Shield



PCS
Polycarbonate Shield
(Not Compatible with WG/WL)



UB Universal Mounting Bracket



ETERNALUME AREA LIGHT

70-150WHigh Pressure Sodium Pulse Start Metal Halide

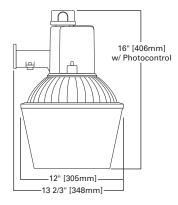
LOW WATTAGE SECURITY LUMINAIRE

- UL Wet Location Listed. CSA Certified
- NEMA twistlock style photocontrol for automatic dusk-to-dawn operation
- Precision die-cut aluminum housing with natural finish
- Reactor, NPF Core and coil ballast for durable operation
- Can be pole or wall mounted. 1 5/8" O.D. slipfitter hardware included
- HP: 120/60Hz, Reactor, NPF core and coil magnetic ballast. MP: 120/60Hz, High reactance (Hx) NPF core and coil magnetic ballast
- Porcelain mogul- or medium-base screw shell socket with spring loaded center contact HP: Mogul-base. MP: Medium-base (protected)
- Fluted, formed specular aluminum reflector fastens to main housing for secure fit
- 12" open bottom, acrylic refractor
- Pulse Start Metal Halide or High Pressure Sodium lamp included
- Approximate net weight: 11 lbs. (5 kgs.)

DESCRIPTION

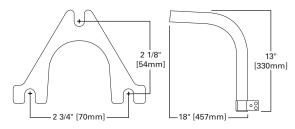
The Lumark Eternalume is ideal for perimeter area lighting, residential and commercial security lighting, residential streets, parking areas, and loading platforms.

SPECIFICATION FEATURES



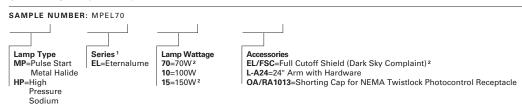
DIRECT MOUNT

18" ARM



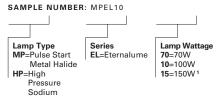
EPA-Effected Projected Area: 1.2

ORDERING INFORMATION



NOTES: 1 Includes 18" arm, lamp and 120V photocontrol. 2 HP only. 3 All products are 120V. 4 Specifications and dimensions subject to change without notice.

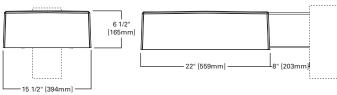
STOCK SAMPLE NUMBER (LAMP INCLUDED)



NOTES: 1 HP only. 2 All products are 120V. 3 Specifications and dimensions subject to change without notice.

Options not available with stock products. Refer to standard ordering information to add options and accessories.

DIMENSIONS



10 1 [267

9/16" [14mm]

Dia. Hole (4)

WALL MOUNT

DRILLING PATTERNS

4 7/8" |

TYPE "M"

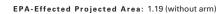
DESCRIPTION

The Lumark Tribute Series is the most versatile, functionally designed, universally adaptable outdoor luminaire available. The Tribute brings outstanding performance to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application.









3/4" [20mm] dia. hole 2 7/16" [124mm]

For Pole Information Refer to Cooper Lighting Pole Section

ORDERING INFORMATION

SAMPLE NUMBER: MHTR-SL-400-MT-LL Lamp Type MP=Pulse Start Series 1 Distribution Lamp Wattage 2 Voltage ! Ontions & 2F=Type II Formed MH 3 TR=Tribute MP 120V Accessories **70**=70W Metal Halide 2S=Type II Segmented 175=175W 208V (See Below) **3F**=Type III Formed **3S**=Type III Segmented MH=Metal Halide 100=100W 250=250W 240V HP=High Pressure **150**=150W 400=400W 277V **4F**=Type IV Formed **200**=200W 347V ⁶ 70=70W 4S=Type IV Segmented 250=250W 480V **5F**=Type V Formed 320=320W 100=100W MT=Multi-Tap wired 277V **5S**=Type V Segmented **150**=150W 350=350W TT=Triple-Tap wired 347V ⁶ SL=Spill Light Eliminator 400=400W 250=250W 5T=5-Tap wired 480V 5 400=400W

[48mm]

TRUNNION

dia. hole (2)

Options 7, 8

F1=Single Fuse (120, 277 or 347V only) s F2=Double Fuse (208, 240 or 480V only) 9 Q=Quartz Restrike (Hot strike only) 10

LL=Lamp Included

EM=Quartz Restrike with "Delay Relay" (Quartz lamps strikes at both hot and cold starts) 10

EM/SC=Emergency Separate Circuit 10 LL=Lamp Included

S=1 1/4"-2 3/8" Internal Mast Arm Mount TM=Trunnion Mount

PT=Electrical Power Tray

HS=House Side Cutoff 11

LA=Less Arm (Order Mounting Separately)
PER=NEMA Twistlock Photocontrol Receptacle

PC=Button Type Photocontrol WH=White

BK=Black

AP=Grey

DP=Dark Platinum GM=Graphite Metallic

Metal Halide (MH)

Accessories 12
MA1201-XX=Direct Wall Mount Kit 1 MA1218-XX=Direct Mount for Pole 1

MA1219-XX=Wall Mount Plate

OA1090-XX=Adjustable Slipfitter Arm for Tenon Mount 2 3/8" O.D. ¹
MA1221-XX=External House Side Shield Kit [EPA=0.38]

MA1222=Internal House Side Shield Kit for 2S/3S

MA1223=Internal House Side Shield Kit for 4S

MA1224=Internal House Side Shield Kit for 2F/3F

MA1225=Internal House Side Shield Kit for 4F

MA1010-XX=Single Tenon Adapter for 3 1/2" O.D. Tenon MA1011-XX=2 @ 180° Tenon Adapter for 3 1/2" O.D. Tenon

MA1012-XX=3 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon MA1013-XX=4 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon MA1014-XX=2 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon

MA1015-XX=2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon MA1016-XX=3 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon MA1017-XX=Single Tenon Adapter for 2 3/8" O.D. Tenon

MA1018-XX=2 @ 180° Tenon Adapter for 2 3/8° O.D. Tenon MA1019-XX=3 @ 120° Tenon Adapter for 2 3/8° O.D. Tenon MA1045-XX=4 @ 90° Tenon Adapter for 2 3/8° O.D. Tenon

MA1048-XX=2 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon

MA1049-XX=3 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon OA/RA1016=Photoelectric Control 105-285V NEMA Type

OA/RA1201=Photoelectric Control 347V NEMA Type OA/RA1027=Photoelectric Control 480V NEMA Type

OA/RA1013=Shorting Cap

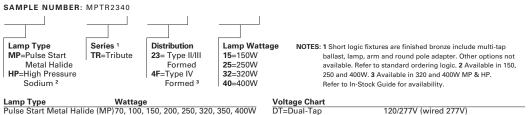
TR/VS=Field Installed Vandal Shield 13

NOTES: 1 8" arm and round pole adapter included with fixture. Specify Less Arm "LA" option when mounting accessory is ordered separately. 2 Standard with mogul-base socket for 150-400W and medium-base socket 100W and below. 3 175, 250 and 400W MH available for non-US markets only. 4 Requires reduced envelope lamp. 5 Products also available in non-US voltages for international markets. Consult factory for availability and ordering information. 6 88% efficient EISA compliant MP fixtures not available in 347V or Triple-tap. 7 Custom and RAL color matching available upon request. Consult Cooper Lighting Representative for further information. 8 Add as suffix. 9 Must specify voltage. 10 Quartz options not available with SL optic. 11 House side shield not available on 5S, 5F or SL optics. 12 Order separately/replace with color specification. 13 Not available with SL optic or House Side Shield. 14 Specifications and dimensions subject to change without notice.

STOCK SAMPLE NUMBER (LAMP INCLUDED)

175, 250, 400W

High Pressure Sodium (HP) 70, 100, 150, 250, 400W



Voltage Chart DT=Dual-Tap 120/277V (wired 277V) MT=Multi-Tap 120/208/240/277V (wired 277V) 120/277/347V (wired 347V) TT=Trip<u>le-T</u>ap 5T=5-Tap 120/208/277/347/480V (wired 480V)



TRIBUTE

70-400W **High Pressure Sodium** Pulse Start Metal Halide Metal Halide

AREA LUMINAIRE

- UL Wet Location Listed. CSA Certified. EISA Compliant
- Rugged one-piece die-cast aluminum housing and door
- One-piece silicone gasket protects the optical chamber from performance degrading contaminants
- One (1) stainless steel spring latch and two (2) stainless steel hinges allow toolless opening and removal of door frame
- · Choice of nine high efficiency optical distributions (Formed, Seamented and Spill Light Eliminator)
- Optical modules are field rotatable in 90° increments
- Standard with mogulbase lampholders for 150-400W assemblies or medium-base for 100W and below
- Optional swing-down power tray with integral handle and quickdisconnect
- Optional internal mast arm mount accepts 1 1/4" to 2 3/8" O.D. horizontal tenon, while a 4-bolt clamping mechanism secures fixture
- Approximate net weight: 39 lbs. (17.73 kgs.)



PFT TRIBUTE AND POLE COMBO (SINGLE)

150-400W

High Pressure Sodium Pulse Start Metal Halide

15'-30' Square Straight Steel Pole

POLE AND FIXTURE COMBO

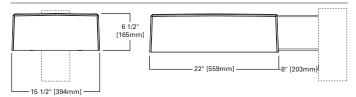
- UL Wet Location Listed. CSA Certified. EISA Compliant
- Rugged one-piece die-cast aluminum housing and door
- One-piece silicone gasket protects the optical chamber from performance degrading contaminants
- One (1) stainless steel spring latch and two (2) stainless steel hinges allow toolless opening and removal of door frame
- Optical modules are field rotatable in 90° increments
- Standard with mogul-base lampholders
- Includes 8" arm complete with lamp, square straight steel pole and necessary anchorage
- Available in dual configuration
- Approximate net weight: 39 lbs. (17.73 kgs.)

DESCRIPTION

The Lumark Tribute Pole/Fixture Combo is an all inclusive package that allows for easy selection and installation of poles and fixtures. Each combo includes a, die-cast Tribute area luminaire, 8" arm, lamp, square straight steel pole and necessary anchorage. Available in single or dual fixture combinations.



DIMENSIONS



EPA-Effected Projected Area: 1.62

ORDERING INFORMATION (LAMP INCLUDED)

SAMPLE NUMBER: PFT11523M15 Lamp Wattage Series No. of Distribution Lamp Type Pole Zone 1 Options 2 (Included) Height (ft.) PFT=Tribute **Fixtures 15**=150W 23=Type II/III **9**=90 mph N/AB=No Anchor Bolts (Used Formed P=Pulse Start **15**=15 when ordered separately) **25**=250W **0**=100 mph **32**=320W 4F=Type IV Metal Halide **20**=20' Formed H=High Pressure **25**=25 40=400W Sodium **30**=30'

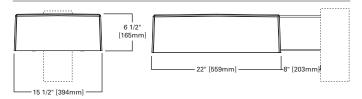
NOTES: 18" arm and lamp included with fixture. 2 N/AB models available by specifying N/AB (Example: PFT11523P15N/AB). 3 Supplied with multi-tap ballast 120/208/240/277V (wired 277V) with square straight steel shaft, anchor bolts, template, base cover and hardware.

Lamp Source/Number of Fixtures	Pole Height	Wattage	Distribution	80 MPH	90 MPH ¹	100 MPH ¹
PULSE START METAL HALIDE						
Single Fixture	15' Pole	150W MP	Type II/III	PFT11523P15 ²	PFT11523P15 ²	PFT11523P15 ²
3			Type IV	PFT1154FP15 ²	PFT1154FP15 ²	PFT1154FP15 ²
	20' Pole	250W MP	Type II/III	PFT12523P20 ²	PFT12523P20 ²	PFT12523P20 ²
			Type IV	PFT1254FP20 ²	PFT1254FP20 ²	PFT1254FP20 ²
		320W MP	Type II/III	PFT13223P20 ²	PFT13223P20 ²	PFT13223P20 ²
			Type IV	PFT1324FP20 ²	PFT1324FP20 ²	PFT1324FP20 ²
		400W MP	Type II/III	PFT14023P20 ²	PFT14023P20 ²	PFT14023P20 ²
			Type IV	PFT1404FP20 ²	PFT1404FP20 ²	PFT1404FP20 ²
	25' Pole	250W MP	Type II/III	PFT12523P25 ²	PFT12523P25 ²	PFT12523P25 ²
			Type IV	PFT1254FP25 ²	PFT1254FP25 ²	PFT1254FP25 ²
		320W MP	Type II/III	PFT13223P25 ²	PFT13223P25 ²	PFT13223P25 ²
			Type IV	PFT1324FP25 ²	PFT1324FP25 ²	PFT1324FP25 ²
		400W MP	Type II/III	PFT14023P25 ²	PFT14023P25 ²	PFT14023P25 ²
			Type IV	PFT1404FP25 ²	PFT1404FP25 ²	PFT1404FP25 ²
	30' Pole	250W MP	Type II/III	PFT12523P30 ³	PFT12523P30 ³	PFT12523P300 4
			Type IV	PFT1254FP30 ³	PFT1254FP30 ³	PFT1254FP300 4
		320W MP	Type II/III	PFT13223P30 ³	PFT13223P30 ³	PFT13223P300 4
			Type IV	PFT1324FP30 ³	PFT1324FP30 ³	PFT1324FP300 4
		400W MP	Type II/III	PFT14023P30 ³	PFT14023P30 ³	PFT14023P300 4
			Type IV	PFT1404FP30 ³	PFT1404FP30 ³	PFT1404FP300 4
HIGH PRESSURE SODIUM						
Single Fixture	15' Pole	150W HP	Type II/III	PFT11523H15 ²	PFT11523H15 ²	PFT11523H15 ²
			Type IV	PFT1154FH15 ²	PFT1154FH15 ²	PFT1154FH15 ²
	20' Pole	250W HP	Type II/III	PFT12523H20 ²	PFT12523H20 ²	PFT12523H20 ²
			Type IV	PFT1254FH20 ²	PFT1254FH20 ²	PFT1254FH20 ²
		400W HP	Type II/III	PFT14023H20 ²	PFT14023H20 ²	PFT14023H20 ²
			Type IV	PFT1404FH20 ²	PFT1404FH20 ²	PFT1404FH20 ²
	25' Pole	250W HP	Type II/III	PFT12523H25 ²	PFT12523H25 ²	PFT12523H25 ²
			Type IV	PFT1254FH25 ²	PFT1254FH25 ²	PFT1254FH25 ²
		400W HP	Type II/III	PFT14023H25 ²	PFT14023H25 ²	PFT14023H25 ²
			Type IV	PFT1404FH25 ²	PFT1404FH25 ²	PFT1404FH25 ²
	30' Pole	250W HP	Type II/III	PFT12523H30 ³	PFT12523H30 ³	PFT12523H300 4
			Type IV	PFT1254FH30 ³	PFT1254FH30 ³	PFT1254FH300 4
		400W HP	Type II/III	PFT14023H30 ³	PFT14023H30 ³	PFT14023H300 4
-			Type IV	PFT1404FH30 ³	PFT1404FH30 ³	PFT1404FH300 ⁴

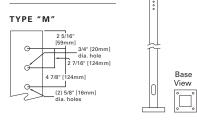
NOTES: 1 0 or 9 are noted where needed to designate a heavier gauge pole. 2 Supplied with 4A Square Straight Steel shaft (SSS), anchor bolts (AB1), template (TMP1) and base cover. 15' combo SSS4A155FM4, 20' combo SSS4A205FM4 and 25' combo SSS4A255FM4. 3 Supplied with 5A Square Straight Steel shaft (SSS), anchor bolts (AB1), template (TMP1) and base cover. 25' combo SSS5A255FM4 and 30' combo SSS5A305FM4. 4 Supplied with 5M Square Straight Steel shaft (SSS), anchor bolts (AB1), template (TMP1) and base cover. 30' combo SSS5M305FM4. 5 Supplied with 6M Square Straight Steel shaft (SSS), anchor bolts (AB3), template (TMP2) and base cover. 30' combo SSS6M305FM4. 5 Supplied with 6M Square Straight Steel shaft (SSS), anchor bolts (AB3), template (TMP2) and base cover. 30' combo SSS6M305FM4.

Lamp Type	Wattage
Pulse Start Metal Halide (P)	150, 250, 320, 400W
High Pressure Sodium (H)	150, 250, 400W

DIMENSIONS



DRILLING PATTERN



DESCRIPTION

The Lumark Tribute Pole/Fixture Combo is an all inclusive package that allows for easy selection and installation of poles and fixtures. Each combo includes a, die-cast Tribute area luminaire, 8" arm, lamp, square straight steel pole and necessary anchorage. Available in single or dual fixture combinations.





TRIBUTE AND POLE COMBO (DUAL)

150-400W

High Pressure Sodium Pulse Start Metal Halide

15'-30' **Square Straight Steel Pole**

POLE AND FIXTURE COMBO

- UL Wet Location Listed. CSA Certified. EISA Compliant
- Rugged one-piece die-cast aluminum housing and door
- One-piece silicone gasket protects the optical chamber from performance degrading contaminants
- One (1) stainless steel spring latch and two (2) stainless steel hinges allow toolless opening and removal of door frame
- Optical modules are field rotatable in 90° increments
- Standard with mogul-base lampholders
- Includes 8" arm complete with lamp, square straight steel pole and necessary anchorage
- Available in single configuration
- Approximate net weight: 39 lbs. (17.73 kgs.)

EPA-Effected Projected Area: 3.24

ORDERING INFORMATION (LAMP INCLUDED) SAMPLE NUMBER: PFT21523M15 No. of Lamp Wattage Series Distribution Lamp Type 1 Pole Zone 1 Options 2 **15**=150W (Included) Height (ft.) PFT=Tribute **Fixtures** 23=Type II/III **9**=90 mph N/AB=No Anchor Bolts (Used Formed P=Pulse Start **15**=15 when ordered separately) **25**=250W **0**=100 mph **32**=320W 4F=Type IV Metal Halide **20**=20' Formed H=High Pressure **25**=25' 40=400W

Sodium NOTES: 18" arm and lamp included with fixture. 2 N/AB models available by specifying N/AB (Example: PFT21523P15N/AB). 3 Supplied with multi-tap ballast 120/208/240/277V (wired 277V) with square straight steel shaft, anchor bolts, template, base cover and hardware.

30=30'

Lamp Source/Number of Fixtures	Pole Height	Wattage	Distribution	80 MPH	90 MPH ¹	100 MPH ¹
PULSE START METAL HALIDE						
Dual Fixture	15' Pole	150W MP	Type II/III	PFT21523P15 ²	PFT21523P15 ²	PFT21523P15 ²
Baarrixtare	10 1 010	10011 1111	Type IV	PFT2154FP15 ²	PFT2154FP15 ²	PFT2154FP15 ²
	20' Pole	250W MP	Type II/III	PFT22523P20 ²	PFT22523P20 ²	PFT22523P20 ²
			Type IV	PFT2254FP20 ²	PFT2254FP20 ²	PFT2254FP20 ²
		320W MP	Type II/III	PFT23223P20 ²	PFT23223P20 ²	PFT23223P20 ²
			Type IV	PFT2324FP20 ²	PFT2324FP20 ²	PFT2324FP20 ²
		400W MP	Type II/III	PFT24023P20 ²	PFT24023P20 ²	PFT24023P20 ²
			Type IV	PFT2404FP20 ²	PFT2404FP20 ²	PFT2404FP20 ²
	25' Pole	250W MP	Type II/III	PFT22523P25 ²	PFT22523P25 ²	PFT22523P250 ³
			Type IV	PFT2254FP25 ²	PFT2254FP25 ²	PFT2254FP250 ³
		320W MP	Type II/III	PFT23223P25 ²	PFT23223P25 ²	PFT23223P250 ³
			Type IV	PFT2324FP25 ²	PFT2324FP25 ²	PFT2324FP250 ³
		400W MP	Type II/III	PFT24023P25 ²	PFT24023P25 ²	PFT24023P250 ³
			Type IV	PFT2404FP25 ²	PFT2404FP25 ²	PFT2404FP250 ³
	30' Pole	250W MP	Type II/III	PFT22523P30 ³	PFT22523P309 4	PFT22523P300 5
			Type IV	PFT2254FP30 ³	PFT2254FP309 4	PFT2254FP300 ⁵
		320W MP	Type II/III	PFT23223P30 ³	PFT23223P309 4	PFT23223P300 5
			Type IV	PFT2324FP30 ³	PFT2324FP309 4	PFT2324FP300 5
		400W MP	Type II/III	PFT24023P30 ³	PFT24023P309 4	PFT24023P300 5
			Type IV	PFT2404FP30 ³	PFT2404FP309 4	PFT2404FP300 5
HIGH PRESSURE SODIUM						
Dual Fixture	15' Pole	150W HP	Type II/III	PFT21523H15 ²	PFT21523H15 ²	PFT21523H15 ²
			Type IV	PFT2154FH15 ²	PFT2154FH15 ²	PFT2154FH15 ²
	20' Pole	250W HP	Type II/III	PFT22523H20 ²	PFT22523H20 ²	PFT22523H20 ²
			Type IV	PFT2254FH20 ²	PFT2254FH20 ²	PFT2254FH20 ²
		400W HP	Type II/III	PFT24023H20 ²	PFT24023H20 ²	PFT24023H20 ²
			Type IV	PFT2404FH20 ²	PFT2404FH20 ²	PFT2404FH20 ²
	25' Pole	250W HP	Type II/III	PFT22523H25 ²	PFT22523H25 ²	PFT22523H250 ³
			Type IV	PFT2254FH25 ²	PFT2254FH25 ²	PFT2254FH250 ³
		400W HP	Type II/III	PFT24023H25 ²	PFT24023H25 ²	PFT24023H250 ³
_			Type IV	PFT2404FH25 ²	PFT2404FH25 ²	PFT2404FH250 ³
	30' Pole	250W HP	Type II/III	PFT22523H30 ³	PFT22523H309 4	PFT22523H300 5
			Type IV	PFT2254FH30 ³	PFT2254FH309 4	PFT2254FH300 5
		400W HP	Type II/III	PFT24023H30 ³	PFT24023H309 4	PFT24023H300 ⁵
			Type IV	PFT2404FH30 ³	PFT2404FH309 4	PFT2404FH300 ⁵

NOTES: 1 0 or 9 are noted where needed to designate a heavier gauge pole. 2 Supplied with 4A Square Straight Steel shaft (SSS), anchor bolts (AB1), template (TMP1) and base cover. 15' combo SSS4A15SFM4, 20' combo SSS4A20SFM4 and 25' combo SSS4A25SFM4. 3 Supplied with 5A Square Straight Steel shaft (SSS), anchor bolts (AB1), template (TMP1) and base cover. 25' combo SSS5A25SFM4 and 30' combo SSS5A30SFM4. 4 Supplied with 5M Square Straight Steel shaft (SSS), anchor bolts (AB1), template (TMP1) and base cover. 30' combo SSS5M30SFM4. 5 Supplied with 6M Square Straight Steel shaft (SSS), anchor bolts (AB3), template (TMP2) and base cover. 30' combo SSS6M30SFM4.

Lamp Type	Wattage
Pulse Start Metal Halide (P)	150, 250, 320, 400W
High Pressure Sodium (H)	150, 250, 400W



ROADWAY COBRAHEAD

50-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

SITE/ROADWAY LIGHT

- UL Wet Location Listed. **EISA Compliant**
- · Die-cast aluminum housing and integrally cast door hinge finished in durable grey polyester powder coat
- The reflector is precision hydroformed anodized aluminum with a Dacron polyester filter
- Die-cast aluminum door frame has two-position latch to ensure door stays fastened under extreme conditions
- Removable prismatic refractor for use with high pressure sodium and metal halide lamp sources
- · Hard mounted ballast with encapsulated starter and plastic terminal block for protection from environmental abuse
- Two-bolt/one clamp slipfitter for 1 1/4" or 2" mounting arms
- Approximate net weight: 49 lbs. (22 kgs.)

DESCRIPTION

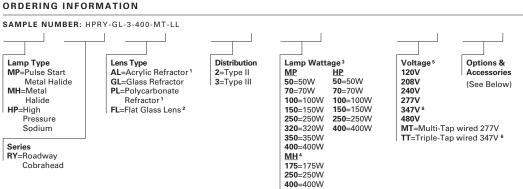
Roadway Cobrahead fixtures feature durable die-cast aluminum construction and a computer-designed optical system for sturdiness and optimum photometric control.

DIMENSIONS

11 1/4" [286mm] 28 1/4" [718mm] 13 1/4" [337mm]

FPA-Effected Projected Area: 87

For Pole Information Refer to Cooper Lighting Pole Section



Options ⁷ F1=Single Fuse (120, 277 or 347V only) **F2**=Double Fuse (208, 240 or 480V only) LL=Lamp Included 8 H=Plug-In Starter 4

K=Leveling Indicator

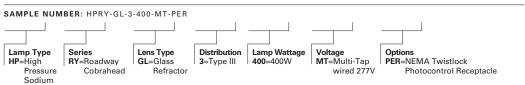
T=Swing-Down Ballast PER=NEMA Twistlock Photocontrol Receptacle

PC=Button Type Photocontrol

Accessories 9
OA/RA1016=Photoelectric Control, 105-285 Volt NEMA Type OA/RA1027=Photoelectric Control, 480 Volt NEMA Type OA1028=Field-installed NEMA Twistlock Photocontrol Receptacle (Order Photocontrol Separately)

NOTES: 1 Acrylic refractor for 175W maximum, Polycarbonate refractor for 250 maximum, 2 400W MH requires reduced envelop lamp (ED28) for flat glass, 3 100W and below MP is medium-base. All other lamps are mogul-base. Lamp not included. 4 175, 250 and 400W MH for non-US markets. 5 Products also available in non-US voltages and 50Hz for international markets. 6 88% efficient EISA compliant fixtures not available in 347V or Triple-tap voltages. 7 Add as suffix in the order shown, 8 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 9 Order separately. 10 Specifications and dimensions subject to change without notice

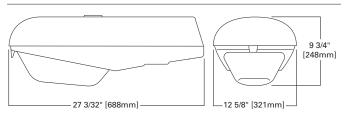
STOCK SAMPLE NUMBER



NOTES: Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. Refer to In-Stock Guide for availability.

Lamp Type	Wattage
Pulse Start Metal Halide (MP) 50, 70, 100, 150, 250, 320, 350, 400\
Metal Halide (MH)	175, 250, 400W
High Pressure Sodium (HP)	50, 70, 100, 150, 250, 400W

DIMENSIONS



DESCRIPTION

Roadway Cobrahead fixtures feature durable die-cast aluminum construction and a computer-designed optical system for sturdiness and optimum photometric control.



RS ROADWAY SMALL COBRAHEAD

50-250W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

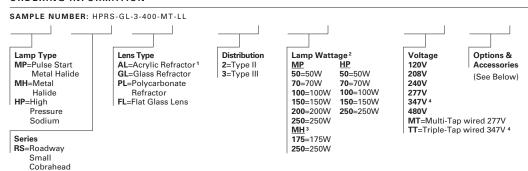
SITE/ROADWAY LIGHT

- UL Wet Location Listed. EISA Compliant
- Die-cast aluminum housing and integrally cast door hinge finished in durable grey polyester powder coat
- The reflector is precision hydroformed anodized aluminum with a Dacron polyester filter
- Die-cast aluminum door frame has two-position latch to ensure door stays fastened under extreme conditions
- Removable prismatic refractor for use with high pressure sodium and metal halide lamp sources
- Hard mounted ballast with encapsulated starter and plastic terminal block for protection from environmental abuse
- Two-bolt/one clamp slipfitter for 1 1/4" or 2" mounting arms
- Approximate net weight: 31 lbs. (14 kgs.)

EPA-Effected Projected Area: .85

For Pole Information Refer to Cooper Lighting Pole Section.

ORDERING INFORMATION



Options 5

F1=Single Fuse (120, 277 or 347V only)
F2=Double Fuse (208, 240 or 480V only)
LL=Lamp Included ⁶

H=Plug-In Starter⁷ K=Leveling Indicator

T=Swing-Down Ballast
PER=NEMA Twistlock Photocontrol Receptacle

PC=Button Type Photocontrol

Accessories⁸

OA/RA1016=Photoelectric Control, 105-285 Volt NEMA Type
OA/RA1201=Photoelectric Control, 347 Volt NEMA Type
OA/RA1027=Photoelectric Control, 480 Volt NEMA Type
OA1028=Field-installed Photocontrol Receptacle, NEMA Type
(Order Photocontrol Separately)

NOTES: 1 Acrylic refractor for 175W maximum. 2 100W and below MP is medium-base. All other lamps are mogul-base. Lamp not included. 3 175 and 250W MH for non-US markets only. 4 88% efficient EISA compliant fixtures not available in 347V or Triple-tap voltages. 5 Add as suffix in the order shown. 6 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 7 HPS only. 8 Order separately. 9 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100, 150, 200, 250W
Metal Halide (MH)	175, 250W
High Pressure Sodium (HP)	50, 70, 100, 150, 250W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
•	



ROADWAY LARGE CUTOFF COBRAHEAD

150-400W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

SITE/ROADWAY LIGHT

- UL Wet Location Listed. **EISA Compliant**
- Die-cast aluminum housing with stainless steel bail latch. Standard grey polyester powder coat finish
- The reflector is precision hydroformed anodized aluminum with a Dacron polyester filter
- Die-cast aluminum door frame has two-position latch to ensure door stavs fastened under extreme conditions
- · Removable tempered flat glass refractor for use with high pressure sodium, metal halide and mercury lamp sources. Optional drop lens available
- · Hard mounted ballast with encapsulated starter for protection from environmental abuse
- Two-bolt/one clamp slipfitter for 1 1/4" or 2" mounting arms
- Approximate net weight: 40 lbs. (18 kgs.)

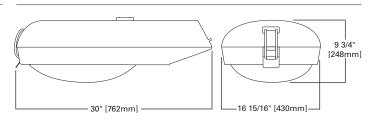
DESCRIPTION

Roadway Cobrahead fixtures feature durable die-cast aluminum construction and a computer-designed optical system for sturdiness and optimum photometric control.



NOTE: In all flat glass configurations only

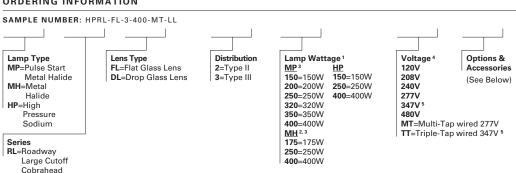
DIMENSIONS



EPA-Effected Projected Area: .87

For Pole Information Refer to Cooper Lighting Pole Section

ORDERING INFORMATION



F1=Single Fuse (120, 277 or 347V only) **F2**=Double Fuse (208, 240 or 480V only) LL=Lamp Included 7

H=Plug-In Starter

K=Leveling Indicator

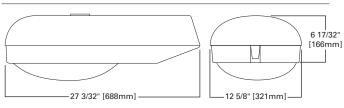
PER=NEMA Twistlock Photocontrol Receptacle

PC=Button Type Photocontrol

Accessories 8
OA/RA1016=Photoelectric Control, 105-285 Volt NEMA Type OA/RA1201=Photoelectric Control, 347 Volt NEMA Type OA/RA1027=Photoelectric Control, 480 Volt NEMA T OA1028=Field-installed Photocontrol Receptacle, NEMA Type (Order Photocontrol Separately)

NOTES: 1 All other lamps are mogul-base. Lamp not included. 2 175, 250 and 400W MP & MH for non-US markets only. 3 400W MH requires reduced envelope lamp (ED28). 4 Product also available in non-US voltages and 50Hz for international markets. 5 88% efficient EISA compliant fixtures not available in 347V or Triple-tap voltages. 6 Add as suffix in the order shown. 7 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 8 Order separately. 9 Specifications and dimensions subject to change without

DIMENSIONS

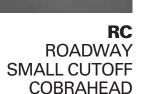


DESCRIPTION

Roadway Cobrahead fixtures feature durable die-cast [166mm] aluminum construction and a computer-designed optical system for sturdiness and optimum photometric control.



NOTE: In all flat glass configurations only



150-250W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

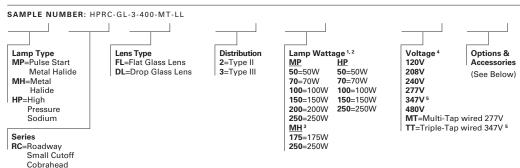
SITE/ROADWAY LIGHT

- UL Wet Location Listed. **EISA Compliant**
- Die-cast aluminum housing and integrally cast door hinge finished in durable grey polyester powder coat
- The reflector is precision hydroformed anodized aluminum with a Dacron polyester filter
- Die-cast aluminum door frame with integral hinges for toolless, relamping and maintenance
- Removable tempered flat glass for use with high pressure sodium, metal halide lamp sources. Optional clear drop glass lens available
- · Hard mounted ballast with encapsulated starter and plastic terminal block for protection from environmental abuse
- Two-bolt/one clamp slipfitter for 1 1/4" or 2" mounting arms
- Approximate net weight: 28 lbs. (13 kgs.)

EPA-Effected Projected Area: .80

For Pole Information Refer to Cooper Lighting Pole Section

ORDERING INFORMATION



Options 6

F1=Single Fuse (120, 277 or 347V only) **F2**=Double Fuse (208, 240 or 480V only) LL=Lamp Included 7 H=Plug-In Starter K=Leveling Indicator PER=NEMA Twistlock Photocontrol Receptacle

PC=Button Type Photocontrol

Accessories 8
OA/RA1016=Photoelectric Control, 105-285 Volt NEMA Type OA/RA1201=Photoelectric Control, 347 Volt NEMA Type OA/RA1027=Photoelectric Control, 480 Volt NEMA Type
OA1028=Field-installed Photocontrol Receptacle, NEMA Type (Order Photocontrol Separately)

NOTES: 1 150W available in HP only. All HP and MP lamps 150W and above are mogul-base. Lamp not included. 2 All lamps are mogul-base except 150W MP and below are medium-base. Lamp not included. 3 175 and 250W MH for non-US markets only. 4 Products also available in non-US voltages and 50Hz for international markets. 5 88% efficient EISA compliant fixtures not available in 347V or Triple-tap voltages. 6 Add as suffix in the order shown. 7 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 8 Order separately. 9 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	50, 70, 100, 150, 200, 250W
Metal Halide (MH)	175, 250W
High Pressure Sodium (HP)	50, 70, 100, 150, 250W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)



MC **HIGH MAST INDUSTRIAL AREA** LUMINAIRE

400-1000W

High Pressure Sodium Pulse Start Metal Halide Metal Halide

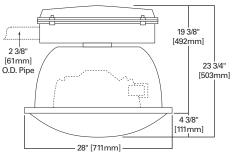
INDUSTRIAL AREA LUMINAIRE

- UL Wet Location Listed. CSA Certified. EISA Compliant
- Die-cast aluminum housing and cover. Standard bronze polyester powder coat finish
- Clamp type internal slipfitter for 2 3/8" O.D. pipe
- · Anodized spun aluminum outer reflector housing. Light pattern can be oriented by rotating optical assembly (360°). A degree indicator is provided to identify the aiming position
- · Inner hydroformed and anodizéd reflector
- · Die-cast aluminum door with tempered convex glass lens, silicone rubber gasket and hinged and latched door assembly for easy maintenance
- Approximate net weight: 68 lbs. (30 kgs.)

DESCRIPTION

The MC high mast area luminaire's asymmetric optics can be oriented by rotating the optical assembly 360°. The MC is ideal for use on areas requiring maximum spacing, such as areas below tall industrial mezzanines and interstate highways.

DIMENSIONS



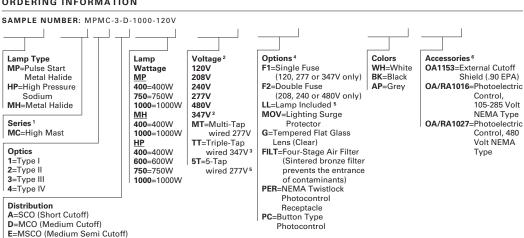
Horizontal Lamp Configuration

EPA-Effected Projected Area: 1.46

For Pole Information Refer to Cooper Lighting Pole Section.

ORDERING INFORMATION

L=LMCO (Long Semi Cutoff)

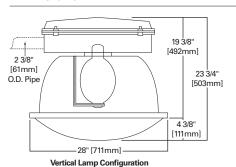


NOTES: 1 Standard color is bronze, other finish colors available. Consult your Cooper Lighting Representative. 2 Products also available in non-US voltages and 50Hz for international markets, 3 88% efficient EISA complaint MP fixtures not available in 347V and Triple-tap voltages, 4 Add suffix in the order shown. 5 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item. 6 Order separately. 7 400W MH available in non-US markets only. 5T available in 400W MH only. 8 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	400, 750, 1000W
Metal Halide (MH)	400, 1000W
High Pressure Sodium (HP)	400, 600, 750, 1000W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
T=5-Tap	120/208/240/277/480V (wired 480V

DIMENSIONS



DESCRIPTION

The MX high mast area luminaire is ideal for use on areas requiring maximum spacing, such as areas below tall industrial mezzanines and interstate highways.



MX **HIGH MAST INDUSTRIAL AREA** LUMINAIRE

400-1000W **High Pressure Sodium** Pulse Start Metal Halide Metal Halide

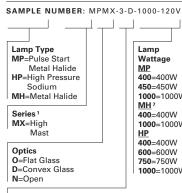
> INDUSTRIAL AREA LUMINAIRE

- UL Wet Location Listed. CSA Certified. EISA Compliant
- Die-cast aluminum housing and cover. Standard bronze polyester powder coat finish. Other finish colors available
- Clamp type internal slipfitter for 2 3/8" O.D. pipe
- Anodized spun aluminum reflector housing
- Die-cast aluminum door with tempered convex glass lens, silicone rubber gasket and hinged and latched door assembly for easy maintenance
- Approximate net weight: 64 lbs. (29 kgs.)

EPA-Effected Projected Area: 1.46

For Pole Information Refer to Cooper Lighting Pole Section.

ORDERING INFORMATION



1000=1000W 1000=1000W 1000=1000W Voltage 2 120V 208V 240V **277**V **480**V 347\/3 MT=Multi-Tap wired 277V TT=Triple-Tap wired 347V³ **5T**=5-Tap wired 277V 5

Options 4 F1=Single Fuse (120, 277 or 347V only) **F2**=Double Fuse (208, 240 or 480V only) LL=Lamp Included ⁵
MOV=Lighting Surge Protector FILT=Four-Stage Air Filter (Sintered bronze filter prevents the entrance of contaminants) PER=NEMA Twistlock Photocontrol

Receptacle

Photocontrol

PC=Button Type

Colors Accessories 6 WH=White OA1153=External Cutoff **BK**=Black Shield (.90 EPA)
OA/RA1016=Photoelectric AP=Grey Control, 105-285 Volt NEMA Type OA/RA1027=Photoelectric Control, 480 Volt NEMA Type

Distribution M=Type V Medium S=Type V Short W=Type V Wide

NOTES: 1 Standard color is bronze, other finish colors available, Consult your Cooper Lighting Representative, 2 Products also available in non-US voltages and 50Hz for international markets. 3 88% efficient EISA complaint MP fixtures not available in 347V and Triple-tap voltages. 4 Add suffix in the order shown. 5 Lamp is shipped separate from luminaire. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item, 6 Order separately, 7 400W MH available in non-US markets only, 5T available in 400W MH only, 8 Specifications and dimensions subject to change without notice.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	400, 450, 1000W
Metal Halide (MH)	400, 1000W
High Pressure Sodium (HP)	400, 600, 750, 1000W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 480V)







MS254R, MS245RW, MS35, MS37 MS240

(2) 150W Incandescent

WATCH GUARD MOTION ACTIVATED FLOODLIGHTS AND RETROFIT MOTION SENSORS

DESCRIPTION

The Lumark MS35 and MS37 are ideal security lights for any residential motion activated lighting application. Lights can be used as standard floodlights. High impact weatherproof non-metallic construction. Infrared motion sensor with 110° coverage up to 70 feet. Adjustable time and sensitivity settings for precise control (no tools required). U.L. listed and CSA certified for wet locations.

SPECIFICATION FEATURES

- Durable metal lamp covers add a decorative look and help protect lamps from outside elements
- Durable die-cast aluminum lampholders and mounting plate for extra long life
- Large adjustment knobs for easy setup
- Wall or eaves mount
- Motion sensor turns lights on automatically when motion is detected and off after a preselected time delay (4 or 12 minutes) Night time-on setting allows lights to come on automatically at dusk (3 time settings). Lights can be turned on manually and reset at dawn. Photocell design prevents lights from turning on during daylight hours. Power outage protection resets at dawn
- Maximum (2)150W PAR 38 incandescent lamps. Lamps not included

ORDERING INFORMATION

					Master	Master	Unit	Master
Catalog	Lamp	Lamp			Net Wt.	Carton	Wt.	Cube
Number	Type	Wattage	Voltage	Color	(lbs.)—Kg	Qty.	(lbs.)—Kg	(lbs.)-Kg
MS35	Incandescent	(2) 150	120V-127V	Bronze	(1.12) - 0.51	2	0.56 - 0.26	0.24 - 0.07
MS37	Incandescent	(2) 150	120V-127V	White	(1.12) — 0.51	2	0.56 - 0.26	0.24 - 0.07

DESCRIPTION

The Lumark MS245R is the ideal security lighting for any commercial or residential application. Durable die-cast aluminum lampholders and mounting plate for extra long life. Night time ON setting allows light to come on automatically at dusk. 240° infrared sensor with extra wide design for maximum coverage. Lights can be turned on manually and reset at dawn. U.L. listed and CSA certified for wet locations.

SPECIFICATION FEATURES

- Maximum (2)150W PAR 38 incandescent lamps. Lamps not included
- Durable high-impact nonmetallic construction is weather resistant
- Wall or eaves mount

 Convenient toolless lamp and sensor head adjustment with adjustable time and sensitivity settings. Detects motion at 110° and up to 70'. 23 motion detection zones

ORDERING INFORMATION

Catalog Number	Lamp Type	Voltage	Color	Master Pack	Net Weight	Shipping Volume (cu. ft.)	Package Dimensions (D x W x L)
MS245R	(2) 150W PAR38 Incandescent	120V	Bronze	2	2.3 lbs (1.0 kg)	0.21	11 1/4" x 6 1/16" x 4 15/16"
MS245RW	(2) 150W PAR38 Incandescent	120V	White	2	2.3 lbs (1.0 kg)	0.21	11 1/4" x 6 1/16" x 4 15/16"

DESCRIPTION

The Retrofit Lumark MS240 provides long range light control up to 70' and 240° degrees of coverage. Finished in bronze or bright white. Adjustable 4-12 minute time delay. Handles up to 300W of switching capacity. Motion sensor turns lights on automatically when motion is detected and off after a preselected time delay (4 or 12 minutes). Night time-on setting allows lights to come on automatically at dusk (3 time settings). Lights can be turned on manually and reset at dawn

SPECIFICATION FEATURES

- 240° coverage fully adjustable down to 180° for exacting coverage pattern
- Adjustable 4-12 minute time delay
- Handles up to 300W of switching capacity
- Motion sensor turns lights on automatically when motion is detected and off after a preselected time delay (4 or 12 minutes).
 Nighttime-on setting

allows lights to come on automatically at dusk (3 time settings). Lights can be turned on manually and reset at dawn

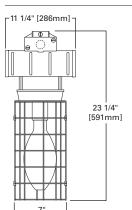
 Finished in bronze or bright white

ORDERING INFORMATION

Catalog Number	Switching Capacity	Voltage	Color	Master Pack	Net Weight	Shipping Volume (cu. ft.)	Package Dimensions (D x W x L)
MS240	300W	120V	Bronze	4	.56 lbs (0.2kg)	0.03	6" x 3 3/8" x 2 7/8"
MS240W	300W	120V	White	4	.56 lbs (0.2kg)	0.03	6" x 3 3/8" x 2 7/8"

NOTES: 1 Products also available in non-US voltages and frequencies for international markets. 2 Consult your Cooper Lighting Representative for availability and ordering information. 3 Specifications and dimensions subject to change without notice.

DIMENSIONS



DESCRIPTION

The Steeler Worklight combines a durable cold-rolled steel housing and a construction wire guard to help protect the lamp at any construction site. U.L. listed and labeled for damp location. CSA Certified.



STEELER WORKLIGHT

320-400W Pulse Start Metal Halide Metal Halide

CONSTRUCTION

- U.L. listed and CSA certified
- Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit
- Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a white polyester paint
- High power factor ballast with class H insulation. U.L. listed for 65°C (149°F) ambient temperature operation. Minimum starting temperature is -40°C (-40° F) for HP and -30°C (-20° F) for MH. CSA certified
- Mogul-base porcelain socket
- Durable formed and welded steel wire coated with a safety yellow polyester paint for easy visibility and safety
- Great replacement for temporary string lighting where mounting heights exceed 15'
- Approximate net weight: 30 lbs. (13 kgs.)

ORDERING INFORMATION

[178mm]

Reflector Type

CW=Worklight

SAMPLE NUMBER: MHSS-CW-400-MT Lamp Type Lamp Voltage 1 MT=Multi-Tap MP=Pulse Wattage **320**=320W **5T**=5-Tap ² Start Metal 350=350W Halide 400=400W MH=Metal Halide Series SS=Steeler

Option

LL=Coated Lamp Included

OR=Open Rated Socket for Metal Halide Lamps

FH-1=Die-cast Aluminum Fixture Hook (with 3/4" threads for easy installation)

FL-1=Malleable Iron Plated Fixture Loop (with 3/4" threads for easy installation) SHK=Die-cast Aluminum Fixture Hook (with safety screw and 3/4" threads for

easy installation)
C3=3' Cord-No Plug (Must use with FH-1, FL-1, or SHK)

PC3-XXXV=3' Cord with NEMA Plug (120V-L5-15P, 208V-L6-15P, 347V-L37-20P, and 480V-L8-20P). Other cord lengths are available by specifying length (PC6 for 6' Cord). Requires FH-1 or FL-1, or SHK. Example: PC3-120V. Use with TPPH-NEMA.

PHC=Power Cord and Plug (18" Power Cord and Non-NEMA plug configuration. Must be used with FL-1 and TPPH (Thru-Way Pendant Power Hook). Must specify single voltage.

Accessories 4

C3=3' Cord-No Plug-Requires FH-1, FL-1, or SHK

PC3-XXXV=3" Cord for with NEMA Plugs (120V-L5-15F, 208V-L6-15F, 240V-L6-15F, 277V-L7-15F, 347V-L37-20P and 480V-L8-20P). Other Lengths Available. Requires Fh-1 or FL-1, or SHK. Use with TPPH-NEMA. Specify Voltage.

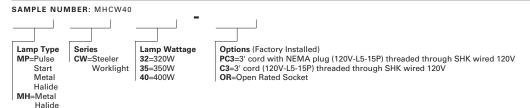
PHC=Power Cord and Plug (18" cord, non-NEMA plug requires FL-1 and TPPH).

FH-1=Fixture Hook FL-1=Fixture Loop

SHK=Hook with Safety Screw
LL=Coated Lamp Included

NOTES: 1 Products also available in non-US voltages and frequencies for international markets. 2 88% efficient EISA compliant MP fixtures not available in 5-Tap voltages. 3 Add as suffix in order shown. 4 Order separately. 5 Specifications and dimensions subject to change without notice.

STOCK SAMPLE SAMPLE (Coated Lamp Included)



NOTES: Options not available with stock products. Order Accessories as separate items for field installation.

Refer to standard ordering information to add options and accessories.

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	320, 350, 400W
Metal Halide (MH)	400W

Voltage Chart	
MT=Multi-Tap	120/208/240/277V (wired 277V)
5T=5-Tap	120/208/240/277/480V (wired 480V)



SD/DD/IR DOCKLIGHT

40W Compact Fluorescent

200-300W Incandescent

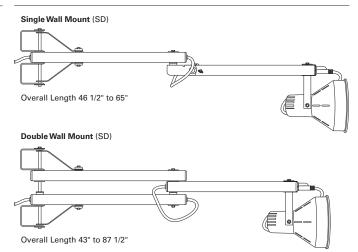
WALL OR CEILING
MOUNTED DOCKLIGHT

- Maximum (1) 300W PAR 38 incandescent lamp or (1) 40W Compact Fluorescent lamp
- Strong durable high impact composite material also available in polished chrome
- Available in single and double wall mount and ceiling mount configurations
- Finish on the arm is safety yellow polyester powder coat. Struts and brackets are black zinc. Composite lamp heads are black.
 Polycarbonate lamp heads are yellow and fluorescent lamp heads are polished chrome
- Approximate net weight: 17 lbs. (7.73 kgs.)

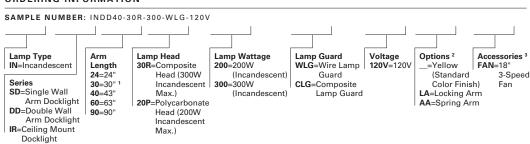
DESCRIPTION

The Lumark Docklight is ideal for illuminating the interior of tractor trailers during loading or unloading. The arms and struts are constructed of 1 1/2" cross section 12-gauge steel tubing. Arms and strut ends are provided with injection-molded end caps. Electrical cord is secured and allows for easy adjustment.

DIMENSIONS



ORDERING INFORMATION



NOTES: 1 Available with IR only. 2 Add as suffix in the order shown. 3 Order separately. 4 Specifications and dimensions subject to change without notice.



	Probe Start Metal Halide (MH)	Pulse Start Metal Halide (MP)	EISA
Product	Cat Logic Prefix String	Cross Reference	Compliant
AIM/AIL Avid Series	AIM-250-MH	AIM-250-MP	E
p. 7 & 8	AIL-250-MH	AIL-250-MP	E
	AIL-320-MH	AIL-320-MP	E
	AIL-350-MH	AIL-350-MP	E
	AIL-400-MH	AIL-400-MP	E



SS Steeler MHSS-SA 150 MPSS-SA 175 E p. 9 MHSS-SA 175 MPSS-SA 175 E MHSS-SA 250 MPSS-SA 250 E MPSS-SA 320 Œ MPSS-SA 350 (E) MHSS-SA 400 MPSS-SA 400 (E) MPSS-SA 450 E MHSS-SA-40 MPSS32 E MPSS35 E MPSS40 E



HB Benchmark MHHB-SA 150 MPHB-SA 175 E p. 10 MHHB-SA 175 MPHB-SA 175 E MHHB-SA 250 MPHB-SA 250 E E MPHB-SA 320 E MPHB-SA 350 MHHB-SA 400 MPHB-SA 400 E MPHB-SA 450 (E)



MHSE-ENSA 150 MPSE-ENSA 175 SE E&G Steeler E p. 11 MHSE-ENSA 175 MPSE-ENSA 175 E MHSE-ENSA 250 MPSE-ENSA 250 E MPSE-ENSA 320 E MPSE-ENSA 350 Œ MHSE-ENSA 400 (E) MPSE-ENSA 400 MPSE-ENSA 450 E



p. 12

p. 13

UB Benchmark Uplight

EB E&G Benchmark MHEB-ENSA 150 MPEB-ENSA 175 E MPEB-ENSA 175 MHEB-ENSA 175 E MHEB-ENSA 250 MPEB-ENSA 250 E MPEB-ENSA 320 E MPEB-ENSA 350 E MHEB-ENSA 400 MPEB-ENSA 400 Œ E MPEB-ENSA 450



MHUB-ENSA 150 MPUB-ENSA 175 E MHUB-ENSA 175 MPUB-ENSA 175 (E) MHUB-ENSA 250 MPUB-ENSA 250 E MPUB-ENSA 320 Œ MPUB-ENSA 350 E MHUB-ENSA 400 E MPUB-ENSA 400 MPUB-ENSA 450 E

Product SS Econoliter p. 14

SS VertX p. 15

HB VertX

EB E&G VertX

EP Enterprise

p. 19

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Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
MHSS-EL 150	MPSS-EL 175	E
MHSS-EL 175	MPSS-EL 175	E
MHSS-EL 250	MPSS-EL 250	(E)
	MPSS-EL 320	E
	MPSS-EL 350	E
MHSS-EL 400	MPSS-EL 400	E
	MPSS-EL 450	E



MHSS-AV 150	MPSS-AV 175	E
MHSS-AV 175	MPSS-AV 175	E
MHSS-AV 250	MPSS-AV 250	E
	MPSS-AV 320	E
	MPSS-AV 350	E
MHSS-AV 400	MPSS-AV 400	E
	MPSS-AV 450	E



MHHB-AV 150 MPHB-AV 175 E MHHB-AV 175 MPHB-AV 175 Œ MHHB-AV 250 MPHB-AV 250 E MPHB-AV 320 E MPHB-AV 350 E MHHB-AV 400 MPHB-AV 400 E MPHB-AV 450 E



SE E&G VertX MHSE-ENAV 150 MPSE-ENAV 175 E MPSE-ENAV 175 MHSE-ENAV 175 Œ p. 17 MHSE-ENAV 250 MPSE-ENAV 250 Œ MPSE-ENAV 320 E MPSE-ENAV 350 E MHSE-ENAV 400 MPSE-ENAV 400 E MPSE-ENAV 450 E



MHEB-ENAV 150 MPEB-ENAV 175 E MPEB-ENAV 175 MHEB-ENAV 175 Œ E MHEB-ENAV 250 MPEB-ENAV 250 MPEB-ENAV 320 Œ MPEB-ENAV 350 E MHEB-ENAV 400 E MPEB-ENAV 400 MPEB-ENAV 450 Œ



MHEP 150 MPEP 175 Œ MPEP 175 **MHEP 175** Œ MHEP 250 MPEP 250 (E) MPEP 320 E MPEP 350 Œ **MHEP 400** MPEP 400 E MPEP 450 E FM25 FP25 Œ FP32 E FM40 FP40 E



Product RB Benchmark Low-Bay p. 20

Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
MHRB 150	MPRB 175	(E)
MHRB 175	MPRB 175	(E)
MHRB 250	MPRB 250	(E)
	MPRB 320	(E)
	MPRB 350	(E)
MHRB 400	MPRB 400	(E)
	MPRB 450	(E)



VF Vertimark p. 21

MPVF-AL 175	E
MPVF-AL 175	E
MPVF-AL 250	E
MPVF-AL 320	E
MPVF-AL 350	E
MPVF-AL 400	E
	MPVF-AL 175 MPVF-AL 250 MPVF-AL 320 MPVF-AL 350



BE Vertimark II p. 22

MHBE 150	MPBE 175	Œ
MHBE 175	MPBE 175	Œ
MHBE 250	MPBE 250	Œ



SG Glass Steeler p. 23

MHSG-GR 175 MPSG-GR 175 E MHSG-GR 250 MPSG-GR 250 E MPSG-GR 320 Œ MPSG-GR 350 E MHSG-GR 400 MPSG-GR 400 E MPSG-GR 450 E

MHSG-GR 150



GB Glass Benchmark

p. 24

MHGB-GR 150	MPGB-GR 175	E	
MHGB-GR 175	MPGB-GR 175	E	
MHGB-GR 250	MPGB-GR 250	E	
	MPGB-GR 320	E	
	MPGB-GR 350	E	
MHGB-GR 400	MPGB-GR 400	E	
	MPGB-GR 450	E	

MPSG-GR 175



SE E&G Glass Steeler

p. 25

MHSE-ENGR 150	MPSE-ENGR 175	Œ	
MHSE-ENGR 175	MPSE-ENGR 175	(E)	
MHSE-ENGR 250	MPSE-ENGR 250	(E)	
	MPSE-ENGR 320	E	
	MPSE-ENGR 350	(E)	
MHSE-ENGR 400	MPSE-ENGR 400	E	
	MPSE-ENGR 450	E	

E



Product EB E&G Glass Benchmark

Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
MHEB-ENGR 150	MPEB-ENGR 175	E
MHEB-ENGR 175	MPEB-ENGR 175	(E)
MHEB-ENGR 250	MPEB-ENGR 250	(E)
	MPEB-ENGR 320	(E)
	MPEB-ENGR 350	(E)
MHEB-ENGR 400	MPEB-ENGR 400	(E)
	MPEB-ENGR 450	(E)



SS Prismatic High-Bay

MHSS-PD 150	MPSS-PD 175	E
MHSS-PD 175	MPSS-PD 175	E
MHSS-PD 250	MPSS-PD 250	E
	MPSS-PD 320	E
	MPSS-PD 350	E
MHSS-PD 400	MPSS-PD 400	E
	MPSS-PD 450	E



HB Prismatic Benchmark p. 28

MHHB-PD 150	MPHB-PD 175	(E)
MHHB-PD 175	MPHB-PD 175	Œ
MHHB-PD 250	MPHB-PD 250	E
	MPHB-PD 320	(E)
	MPHB-PD 350	(E)
MHHB-PD 400	MPHB-PD 400	(E)
	MPHB-PD 450	E



SE E&G Prismatic Acrylic Steeler p. 29

MHSE-ENPD 150	MPSE-ENPD 175	Œ	
MHSE-ENPD 175	MPSE-ENPD 175	E	
MHSE-ENPD 250	MPSE-ENPD 250	E	
	MPSE-ENPD 320	E	
	MPSE-ENPD 350	E	
MHSE-ENPD 400	MPSE-ENPD 400	E	
	MPSE-ENPD 450	E	



EB E&G Prismatic Acrylic Benchmark p. 30

MHEB-ENPD 150	MPEB-ENPD 175	E
MHEB-ENPD 175	MPEB-ENPD 175	(E)
MHEB-ENPD 250	MPEB-ENPD 250	(E)
	MPEB-ENPD 320	E
	MPEB-ENPD 350	E
MHEB-ENPD 400	MPEB-ENPD 400	(E)
	MPEB-ENPD 450	E



SS Enhanced Refractor High-Bay Steeler p. 31

MHSS-ER 150	MPSS-ER 175	(E)	
MHSS-ER 175	MPSS-ER 175	Œ	
MHSS-ER 250	MPSS-ER 250	E	
	MPSS-ER 320	(E)	
	MPSS-ER 350	(E)	
MHSS-ER 400	MPSS-ER 400	(E)	
	MPSS-ER 450	(E)	



Product
HB Enhanced Refractor
High-Bay Benchmark
p. 32

Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
MHHB-ER 150	MPHB-ER 175	(E)
MHHB-ER 175	MPHB-ER 175	E
MHHB-ER 250	MPHB-ER 250	(E)
	MPHB-ER 320	(E)
	MPHB-ER 350	(E)
MHHB-ER 400	MPHB-ER 400	(E)
	MPHB-ER 450	(E)



LX Prismatic Direct-Mount Steeler p. 33

MHLX 150	MPLX 175	(E)
MHLX 175	MPLX 175	E
MHLX 250	MPLX 250	(E)
	MPLX 320	E
	MPLX 350	(E)
MHLX 400	MPLX 400	(E)



XB Prismatic Direct-Mount Benchmark p. 34

MHXB 150	MPXB 175	(E)	
MHXB 175	MPXB 175	Œ	
MHXB 250	MPXB 250	(E)	
	MPXB 320	(E)	
	MPXB 350	(E)	
MHXB 400	MPXB 400	(E)	



VL Large Vaportight p. 38

MHVL 150	MPVL 175	E
MHVL 175	MPVL 175	E



QC Quadra-Mark p. 47

MHQC 175	MPQC 175	E
MHQC 250	MPQC 250	E
	MPQC 320	E
	MPQC 350	E
MHQC 400	MPQC 400	E



QP Quadra-Lume **p. 48**

MHQP 175	MPQP 175	(E)
MHQP 250	MPQP 250	E
	MPQP 320	E
	MPQP 350	(E)
MHQP 400	MPQP 400	E



Product

OF Quadra-Lume
w/ Flat Lens
p. 49

Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
MHQF 175	MPQF 175	E
MHQF 250	MPQF 250	E
	MPQF 320	(E)
	MPQF 350	E
MHQF 400	MPQF 400	(E)



QD Quadra-Lume w/ Drop Lens p. 50

MHQD 175	MPQD 175	E	
MHQD 250	MPQD 250	(E)	
	MPQD 320	(E)	
	MPQD 350	(E)	
MHQD 400	MPQD 400	(E)	



CL/CS Canopy Light p. 51

MHCL 100	MPCL 100	
MHCL 150	MPCL 150	
MHCL 175	MPCL 150	
	MPCL 200	(E)
MHCL 250	MPCL 250	(E)
	MPCL 320	E
	MPCL 350	(E)
MHCL 400	MPCL 400	(E)
MHCS 150	MPCS 150	
MHCS 175	MPCS 150	
	MPCS 200	(E)
MHCS 250	MPCS 250	(E)
	MPCS 320	E
	MPCS 350	(E)
MHCS 400	MPCS 400	(E)



PR Parker p. 52

MHPR 70	MPPR 70	

MHPR 100	MPPR 100	
ועוחרת וטט	IVIFFN 100	
141100 450	14000 400	
MHPR 150	MPPR 150	
MHPR 175	MDDD 150	
ואוחרת ו / ס	MPPR 150	



PD Park-King p. 53

MHPD 50	MPPD 50
MHPD 70	MPPD 70
MHPD 100	MPPD 100
MHPD 150	MPPD 150
MHPD 175	MPPD 150



Product	Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
SF Falcon	MHSF 50	MPSF 50	
p. 55	MHSF 70	MPSF 70	
	MHSF 100	MPSF 100	
	MHSF 150	MPSF 150	
	MHSF 175	MPSF 150	
	MHSF50	MPSF50	
	MHSF70	MPSF70	
	MHSF10	MPSF10	
	MHSF17	MPSF15	



XF Falcon MHXF25 MPXF25 E p. 56 MPXF32 E MPXF35 Œ MHXF40 MPXF40 Œ



MS Impact Flood Small MHMS 50 MPMS50 p. 57 MHMS 70 MPMS70 MHMS 10 MPMS100 MHMS 150 MPMS150 MHMS 175 MPMS150 MHMS70 MPMS70 MHMS10 MPMS10 MHMS17 MPMS15



MM Impact Flood Medium p. 58

MHMM 150	MPMM 150		
MHMM 175	MPMM 150		
	MPMM 200	(E)	
MHMM 250	MPMM 250	(E)	
	MPMM 320	(E)	
MHMM 400	MPMM 400	Œ	
MHMM25	MPMM25	E	
	MPMM32	Œ	
MHMM40	MPMM40	Œ	



WR Warrior p. 59

MHWR 100	MPWR 100	
MHWR 150	MPWR 150	
MHWR 175	MPWR 150	
	MPWR 200	E
MHWR 250	MPWR 250	E
	MPWR 320	E
	MPWR 350	E
MHWR 400	MPWR 400	E
XM17	XP15	
XM25	XP25	(E)
	XP32	E
XM40	XP40	E
WM17	WP15	
WM25	WP25	E
	WP32	E
WM40	WP40	E



Product	Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
NK Nighthawk III	MHNK 150	MPNK 150	
p. 60	MHNK 175	MPNK 150	
	MHNK 250	MPNK 250	E
		MPNK 320	E
	MHNK 400	MPNK 400	E
	MHNK 25	MPNK 25	(E)
		MPNK 32	E
	MHNK 40	MPNK 40	(E)



LP Low-Profile Floodlight
p. 61

MHLP 250

MPLP 250

MPLP 320

MPLP 350

MPLP 350

MHLP 400

MPLP 400

MPLP 400

©



IP Impact Wedge
p. 66
MHIP-W 50
MHIP-W 70
MHIP-W 70
MHIP-W 100
MHIP-W 150
MHIP-W 150
MHIP-W 150
MHIP-W 175
MPIP-W 150





IPTM Impact Trapezoid Medium MHIP-TM 150 MPIP-TM 150 MHIP-TM 175 MPIP-TM 150 p. 68 MPIP-TM 200 E MHIP-TM 250 MPIP-TM 250 E MPIP-TM 320 (E) MPIP-TM 350 Œ MHIP-TM 400 MPIP-TM 400 E MHIPITM25 MPIPITM25 E MPIPITM32 Œ MHIPITM40 MPIPITM40 E



Product
IP Impact Cylinder
p. 69

Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
MHIP-C 50	MPIP-C 50	
MHIP-C 70	MPIP-C 70	
MHIP-C 100	MPIP-C 100	
MHIP-C 150	MPIP-C 150	
MHIP-C 175	MPIP-C 150	



IPCM Impact Cylinder Medium
p. 70

MHIP-CM 150	MPIP-CM 150	
MHIP-CM 175	MPIP-CM 150	
	MPIP-CM 200	E
MHIP-CM 250	MPIP-CM 250	E
	MPIP-CM 320	E
	MPIP-CM 350	E
MHIP-CM 400	MPIP-CM 400	Œ
MHIPICM25	MPIPICM25	Ē
	MPIPICM32	E
MHIPICM40	MPIPICM40	E



IP Impact Quarter Sphere p. 71

MHIP-S 50	MPIP-S 50
MHIP-S 70	MPIP-S 70
MHIP-S 100	MPIP-S 100
MHIP-S 150	MPIP-S 150
MHIP-S 175	MPIP-S 150



WL Wal-Pak p. 72

MHWL 50	MPWL 50	
MHWL 70	MPWL 70	
MHWL 100	MPWL 100	
MHWL 150	MPWL 150	
MHWL 175	MPWL 150	
	MPWL 200	E
MHWL 250	MPWL 250	E
	MPWL 320	E
	MPWL 350	E
MHWL 400	MPWL 400	E
MHPL 150	MPPL 150	
MHPL 175	MPPL 150	
	MPPL 200	E
MHPL 250	MPPL 250	E
	MPPL 320	E
	MPPL 350	E
MHPL 400	MPPL 400	E
MHWE 150	MPWE 150	
MHWE 175	MPWE 150	
	MPWE 200	E
MHWE 250	MPWE 250	E
	MPWE 320	E
	MPWE 350	E
MHWE 400	MPWE 400	E
PM17	PM15	
PM25	PM25	
	PM32	
PM40	PM40	

Product

p. 73

MN Mon-2

GP Glass-Pak

GS Super Smokey

p. 78

p. 79



 Probe Start
 Pulse Start

 Metal Halide (MH)
 Metal Halide (MP)
 EISA

 Cat Logic Prefix String
 Cross Reference
 Compliant

 MHMN 50
 MPMN 50

 MHMN 70
 MPMN 70

 MHMN 100
 MPMN 100



M4 Mon-4 MHM4 70 MPM4 70 p. 74 MHM4 100 MPM4 100 MHM4 150 MPM4 150 MHM4 175 MPM4 150 MPM4 200 E MHM4 250 MPM4 250 E MPM4 320 Œ MPM4 350 Œ MHM4 400 MPM4 400 Œ



 WM Wal-Lite
 MHWM50G
 MPWM50G

 p. 75
 MHWM70G
 MPWM70G

 MHWM10G
 MPWM10G



 WP Wal-Eye
 MHWP 70
 MPWP 70

 p. 77
 MHWP 100
 MPWP 100

 MHWP 150
 MPWP 150

 MHWP 175
 MPWP 150

 MHWC 150
 MPWC 150

 MHWC 175
 MPWC 150



MHGP 50 MPGP 50 MHGP 70 MPGP 70 MHGP 100 MPGP 100 MHGP 150 MPGP 150 MHGP 175 MPGP 150



 MHGS 50
 MPGS 50

 MHGS 70
 MPGP 70

 MHGS 100
 MPGS 100

 MHGS 150
 MPGS 150

 MHGS 175
 MPGS 150

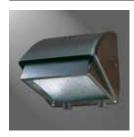


Product	Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
VR Smokey	MHVR 50	MPVR 50	
р. 80	MHVR 70	MPVR 70	
	MHVR 100	MPVR 100	



MP Micro-Pak M p. 81 M

MHMP 50	MPMP 50
MHMP 70	MPMP 70
MHMP 100	MPMP 100



Wally Cutoff p. 82

LM10C LP10C	LM70C	LP70C	
200	LM10C	LP10C	



Wally **p. 82**

LM70G	LP70G
LM10G	LP10G



Z-Pak Cutoff p. 83

MHFZ17C MPFZ15C



Z-Pak **p. 83** MHFZ17 MPFZ15

EL Eternalume

Product

p. 85



 Probe Start
 Pulse Start

 Metal Halide (MH)
 Metal Halide (MP)
 EISA

 Cat Logic Prefix String
 Cross Reference
 Compliant

 MHEL10
 MPEL10

 MHEL70
 MPEL70



TR Tribute p. 86

MHTR 70 MPTR 70 **MHTR 100 MPTR 100** MHTR 150 MPTR 150 **MHTR 175** MPTR 150 MPTR 200 E MHTR 250 MPTR 250 E MPTR 320 E **MPTR 350** E MHTR 400 MPTR 400 Œ MHTR2317 MPTR2315 E MHTR2325 MPTR2325 MPTR2332 (E) MHTR2340 MPTR2340 E



PFT Tribute and Pole Combo **p. 87-88**



RY Roadway Cobrahead p. 89

MHRY 50	MPRY 50	
MHRY 70	MPRY 70	
MHRY 100	MPRY 100	
MHRY 150	MPRY 150	
MHRY 175	MPRY 150	
	MPRY 200	E
MHRY 250	MPRY 250	(E)
	MPRY 320	(E)
	MPRY 350	(E)
MHRY 400	MPRY 400	(E)



RS Roadway Small Cobrahead p. 90

MHRS 50	MPRS 50	
MHRS 70	MPRS 70	
MHRS 100	MPRS 100	
MHRS 150	MPRS 150	
MHRS 175	MPRS 150	
	MPRS 200	(E)
MHRS 250	MPRS 250	(E)



Product
RL Roadway Large
Cutoff Cobrahead
p. 91

Probe Start Metal Halide (MH) Cat Logic Prefix String	Pulse Start Metal Halide (MP) Cross Reference	EISA Compliant
MHRL 150	MPRL 150	
MHRL 175	MPRL 150	
	MPRL 200	(E)
MHRL 250	MPRL 250	(E)
	MPRL 320	(E)
	MPRL 350	E
MHRL 400	MPRL 400	E



RC Roadway Small Cutoff Cobrahead p. 92

MHRC 50	MPRC 50	
MHRC 70	MPRC 70	
MHRC 100	MPRC 100	
MHRC 150	MPRC 150	
MHRC 175	MPRC 150	
	MPRC 200	Œ
MHRC 250	MPRC 250	E
-		



MC High Mast p. 93

MHMC 400 MPMC 400 ©



MX High Mast p. 94

MHMX 400	MPMX 400	E		
	MPMX 450	E		



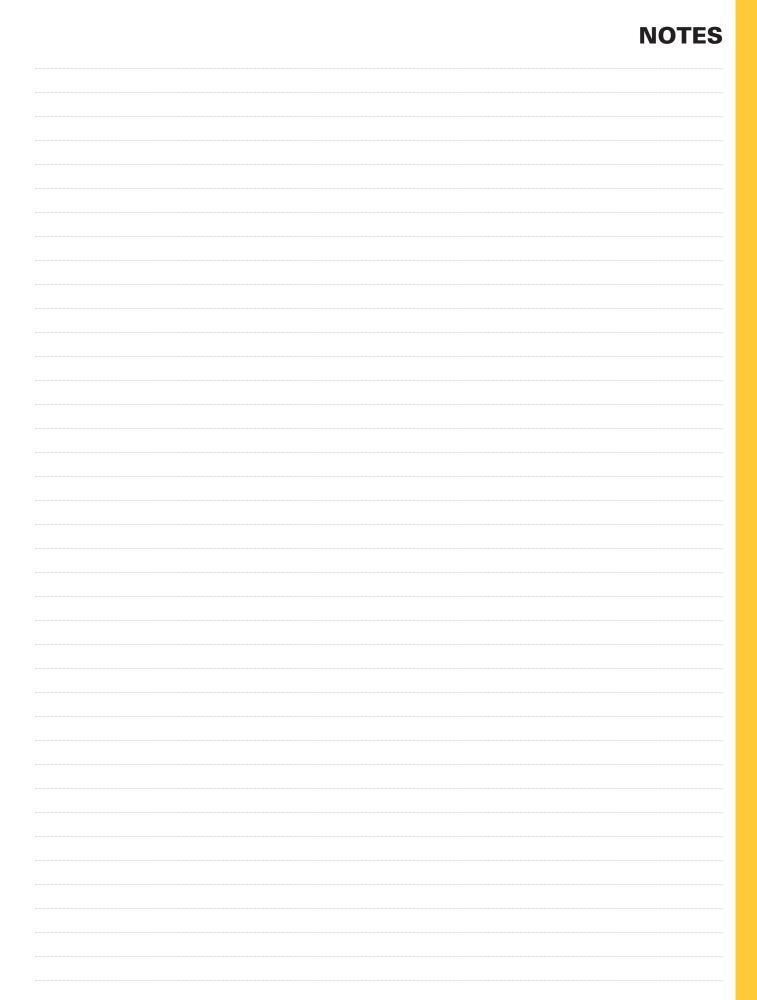
SS Steeler Worklight p. 96

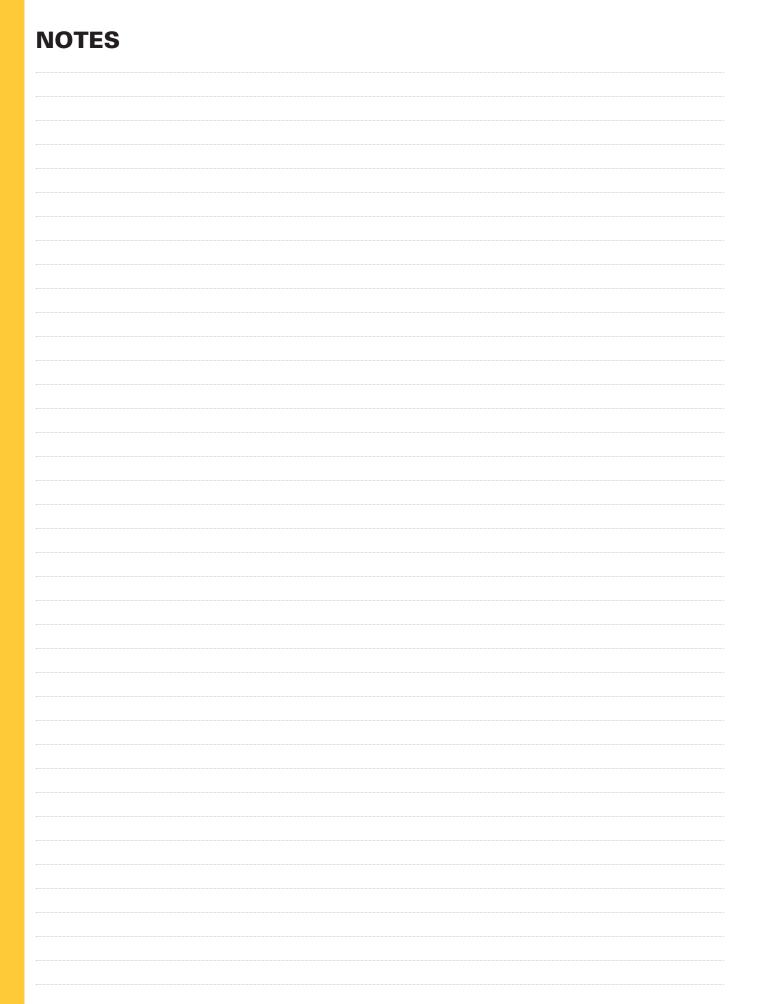
	MPSS-CW 320	(E)
	MPSS-CW 350	(E)
	MPSS-CW 400	(E)
MHCW40	MPCW32	(E)
	MPCW40	E

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BS10	80	FP40Q	19	HPIP-T	67	HPSS-40	9
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CFIP-C	69	FS32-NL	19	HPIW10	66	HPSS-PD22	27
CFIP-CM	70	FS35	19	HPIW15	66	HPSS-PD25	27
CFIP-S	71	FS35-NL	19	HPLP	61	HPSS-SA15	9
CFIP-T	67	FS40	19	HPLX-DB22	33	HPSS-SA18	9
CFIP-TM	68	FS408	19	HPLX-DB25	33	HPSS-SA23	9
CFIP-W	66	FS408-NL	19	HPLX-PD22	33	HPTR	86
CFMM	58	FS40-NL	19	HPLX-PD25	33	HPTR2315	86
CFMP	81	FS40Q	19	HPM4	74	HPTR2325	86
CFMS	57	FS40Q-NL	19	HPMC	93	HPTR2340	86
CFMS	57	HPBE-2A	22	HPMM	58	HPUB-ENSA18	13
CFSF	55	HPBE-2P	22	HPMN	73	HPVF-AL	21
CFSF-K-42	55	HPBE-5A	22	HPMN15	73	HPVL-C	38
CFVR	80	HPBE-5P	22	HPMN70	73	HPVR	80
CFWM42	75	HPCL	51	HPMP	81	HPVS-C	37
CML-120/277V	39	HPCS	51	HPMX	94	HPVS-W	37
CML-208V	39	HPEB-ENAV19	18	HPNK	60	HPWC	77
CML-240V	39	HPEB-ENGR16	26	HPPD	53	HPWE	72
CML-347V	39	HPEB-ENGR21	26	HPPL	72	HPWL	72
CML-480V	39	HPEB-ENPD22	30	HPPR	52	HPWM35	75
FM25	19	HPEB-ENSA18	12	HPQD	50	HPWM50	75
FM258	19	HPEB-ENSA23	12	HPQF	49	HPWM70	75
FM258-NL	19	HPEL10	85	HPQP	48	HPWP	77
FM25-NL	19	HPEL15	85	HPRB-RA22	20	HPWR	59
FM32	19	HPEL70	85	HPRB-RA28	20	HPXB-DB22	34
FM32-NL	19	HPEP-R22	19	HPRB-RA28PL	20	HPXB-DB25	34
FM35	19	HPEP-R28	19	HPRB-RP22	20	HPXB-PD22	34
FM35-NL	19	HPFZ15	83	HPRB-RP28	20	HPXB-PD25	34
FM40	19	HPFZ15C	83	HPRB-RP28PL	20	HPXF25T	56
FM408	19	HPGB-GR16	24	HPRC	92	HPXF25T	56
FM408-NL	19	HPGB-GR21	24	HPRL	91	HPXL	58
FM40-NL	19	HPGP	78	HPRS	90	ICVC1G	36
FM40Q	19	HPGS	79	HPRY	89	ICVC2G	36
FM40Q-NL	19	HPHB-AV19	16	HPSE-ENAV19	17	ICVP1G	36
FP25	19	HPHB-ER22	32	HPSE-ENGR16	25	ICVP2G	36
FP258	19	HPHB-PD16	28	HPSE-ENGR21	25	ICVW1G	36
FP258-NL	19	HPHB-PD22	28	HPSE-ENPD22	29	ICVW2G	36
FP25-NL	19	HPHB-PD25	28	HPSE-ENSA18	11	INDD	97
FP32	19	HPHB-SA15	10	HPSE-ENSA23	11	INIR	97
FP32-NL	19	HPHB-SA18	10	HPSF	55	INSD	97
FP35	19	HPHB-SA23	10	HPSF35K	55	INVL-C	38
FP35-NL	19	HPIC10	69	HPSF35T	55	INVS-C	37

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IRMD-W-24V	40	MHLX-DB22	33	MHSS-AV19	15	MLRB-RP28PL	20
IRMS	41	MHLX-DB25	33	MHSS-CW	96	MLSE-ENAV19	17
LC42C	82	MHLX-PD22	33	MHSS-EL18	14	MLSE-ENGR16	25
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LP10C	82	MHM4	74	MHSS-PD16	27	MLSE-ENPD22	29
LP10G	82	MHMC	93	MHSS-PD22	27	MLSE-ENSA18	11
LP70C	82	MHMM	58	MHSS-PD25	27	MLSE-ENSA23	11
LP70G	82	MHMS	57	MHSS-SA15	9	MLSG-GR16	23
LQL1500	54	MHMX	94	MHSS-SA18	9	MLSG-GR21	23
LS10C	82	MHNK	60	MHSS-SA23	9	MLSS-AV19	15
LS10G	82	MHNKS1K	60	MHTR	86	MLSS-EL18	14
LS15C	82	MHNKS25	60	MHUB-ENSA18	13	MLSS-ER22	31
LS15G	82	MHNKS40	60	MHVF-AL	21	MLSS-PD16	27
LS50C	82	MHPD	53	MHWC	77	MLSS-PD22	27
LS50G	82	MHPL	72	MHWE	72	MLSS-PD25	27
LS70C	82	MHPR	52	MHWL	72	MLSS-SA15	9
LS70G	82	MHQC	47	MHWP	77	MLSS-SA18	9
MHAS	63	MHQD	50	MHWR	59	MLSS-SA23	9
MHBE-2A	22	MHQF	49	MHXB-DB22	34	MLUB-ENSA18	13
MHBE-2P	22	МНОР	48	MHXB-DB25	34	MLXB-DB22	34
MHBE-5A	22	MHRB-RA22	20	MHXB-PD22	34	MLXB-DB25	34
MHBE-5P	22	MHRB-RA28	20	MHXB-PD25	34	MLXB-PD22	34
MHCL	51	MHRB-RA28PL	20	MHXF25T	56	MLXB-PD25	34
MHCS	51	MHRB-RP22	20	MHXF40T	56	MM/4V	64
MHCW40	96	MHRB-RP28	20	MHXL	58	MM/BD	64
MHEB-ENAV19	18	MHRB-RP28PL	20	MLEB-ENAV19	18	MM/SMT	64
MHEB-ENGR16	26	MHRC	92	MLEB-ENGR16	26	MM/ST	64
MHEB-ENGR21	26	MHRL	91	MLEB-ENGR21	26	MM/TMT	64
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MHGS	79	MHSF	55	MLHB-ER22	32	MPBE-5P	22
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MHHB-PD22	28	MHSF15T	55	MLHB-SA15	10	MPEB-ENGR16	26
MHHB-PD25	28	MHSF50K	55	MLHB-SA18	10	MPEB-ENGR21	26
MHHB-SA15	10	MHSF50T	55	MLHB-SA23	10	MPEB-ENPD22	30
MHHB-SA18	10	MHSF70K	55	MLLX-DB22	33	MPEB-ENSA18	12
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MHIP-C	69	MHSG-GR16	23	MLLX-PD22	33	MPEL10	85
MHIP-CM	70	MHSG-GR21	23	MLLX-PD25	33	MPEL15	85
MHIP-S	70	MHSS-25	9	MLRB-RA22	20	MPEL70	85
MHIP-T	67	MHSS-32	9	MLRB-RA28	20	MPEP-R22	19
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The **Source** for Lighting Solutions



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Impact Flood Series [MS + MM]



Tribute [TR]

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