

COOPER LIGHTING - LUMARK®

DESCRIPTION

The IMPACT Wedge 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.

Catalog #	Type
Project	Date
Comments	
Prepared by	

SPECIFICATION FEATURES

A ... Housing

The housing is a two-piece design of die-cast aluminum for precise control of tolerances and repeatability.

B ... Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" J-Box or wall with "Hook-N-Lock" mechanism for quick installation. Secured with two (2) captive corrosion resistant black oxide coated allen head set screws concealed but accessible from bottom.

C ... Optical Modules

All optical modules utilize high performance 95% reflective sheet. Strong Type II optical module is standard.

D ... Ballast

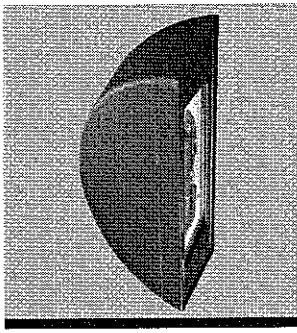
HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HPS and -30°C (-22°F) for MH. Compact Fluorescent luminaires feature electronic universal 120-277V high efficient 50/60Hz ballast with -18°C (0°F) minimum starting.

E ... Door

Die-cast door features, 1/8" heat- and impact-resistant clear tempered glass lens mounted with internal plated steel clips and sealed with EPDM gasketing. Hinged door secured in place via two (2) captive fasteners.

F ... Finish

Durable polyester powder coat finish. Standard color is bronze. Optional white and black colors available. Other finish colors available. Consult your Cooper Lighting Representative concerning special color requirements.

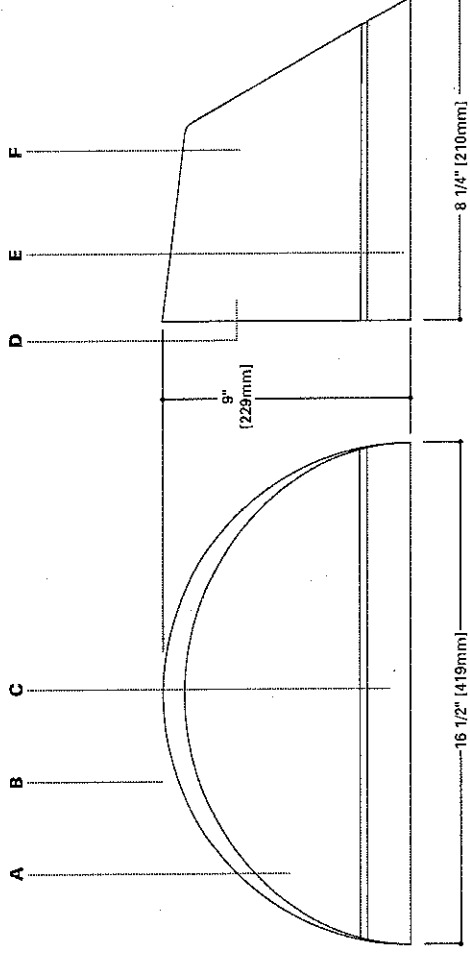


IP IMPACT WEDGE

50 - 175W
High Pressure Sodium
Metal Halide
26 - 52W
Compact Fluorescent

FULL CUTOFF
WALL MOUNT LUMINAIRE

IMPACT
Cutoff Wall Luminaires

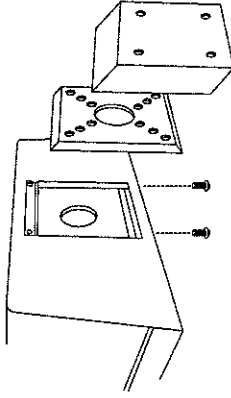


**DARK SKY
FCO**
COMPLIANT Full Cutoff

In downlight applications only.

HOOK-N-LOCK MOUNTING

(Mounting attachment included. J-Box not included.)



TECHNICAL DATA

25°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum
Down Mounted—Wet Location
Up Mounted—Damp Location

ENERGY DATA

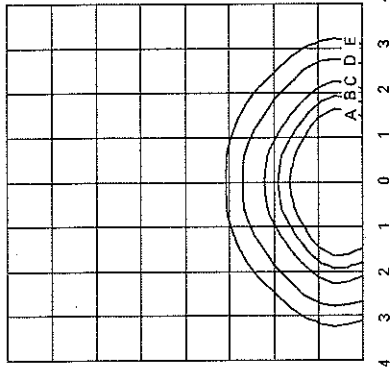
High Reactance Ballast Input Watts
50W HPS HPF (66 Watts)
50W MH HPF (72 Watts)
70W HPS HPF (91 Watts)
70W MH HPF (90 Watts)
100W HPS HPF (130 Watts)
100W MH HPF (129 Watts)
150W HPS HPF (190 Watts)
150W MH HPF (185 Watts)
CWA Ballast Input Watts
175W MH HPF (210 Watts)

Electronic Ballast Input Watts
26W PL HPF (29 Watts)
32W PL HPF (36 Watts)
42W PL HPF (46 Watts)
52W PL HPF (55 Watts)

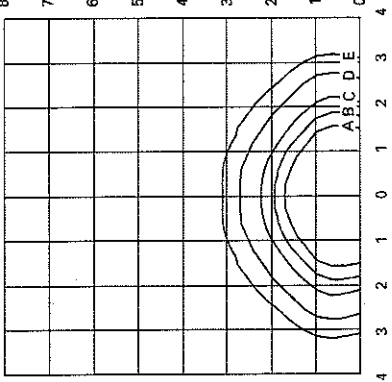
SHIPPING DATA

Approximate Net Weight:
18 lbs. (8 kgs.)





MHIP-W-175-MT-LL
175-Watt MH
14,000-Lumen Clear Lamp



HPIP-W-150-MT-LL
150-Watt HPS
16,000-Lumen Clear Lamp

Footcandle Table
Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
10'	4.50	2.25	1.13	0.45	0.23
15'	2.00	1.00	0.50	0.20	0.10
20'	1.12	0.56	0.28	0.11	0.06

ORDERING INFORMATION

Sample Number: MHIP-W-150-MT-LL



Lamp Type
HP= High Pressure Sodium
MH= Metal Halide
PL= Compact Fluorescent

Series
IP= IMPACT
Fixture Shape
IW= Wedge

Lamp Wattage
HID 1
50= 50W2
70= 70W3
100= 100W
150= 150W
175= 175W4
Compact Fluorescent
26/32/42= 26, 32, or 42W
52= (2) 26W5

Voltage a
120V
208V
240V
277V
347V
480V
DT 7
TT 8
MT 9
E 10

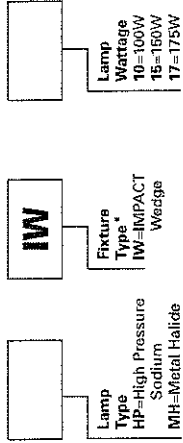
Standard Color
= Bronze (Standard)
WH= White
BK= Black

- Options 11**
- Q= Quartz Restrike T4 Lamp^{12, 13, 14, 15}
 - EM= Emergency Quartz Restrike T4 Lamp w/12, 13, 14, 15 Time Delay Relay
 - EM14-XXX= CFL Cold Weather Emergency Battery 16, 17 Pack (Must Specify 120V or 277V)
 - CFEM-XXX= Emergency Battery Pack (Must Specify^{16, 18} 120V or 277V)
 - QMR= Quartz Restrike MR16 Lamp^{14, 15, 19}
 - EMMR= Emergency Quartz Restrike MR16 Lamp w/^{14, 15, 18} Time Delay Relay
 - EM/SC= Emergency Separate Circuit T4 Lamp^{13, 15, 20}
 - EM/SC/MR= Emergency Separate Circuit MR16 Lamp^{19, 20}
 - EM/SC/12V= Emergency Separate Circuit (12V)²¹
 - 2QMIR= (2) Quartz Restrike MR16 Lamp^{14, 15, 19}
 - 2EMMR= (2) Emergency Quartz Restrike MR16^{14, 15, 19} Lamp w/ Time Delay Relay
 - 2EM/SC/MR= (2) Emergency Separate Circuit MR16^{19, 20} Lamps
 - 2EM/SC/12V= (2) Emergency Separate Circuit (12V)²¹
 - 2QM/SC= (1) Quartz Restrike MR16 Lamp and (1)^{15, 19, 22} Emergency Separate Circuit MR16 Lamp
 - 2EMMR/SC= (1) Emergency Quartz Restrike MR16^{15, 18, 22} Lamp w/ Time Delay Relay and (1) Emergency Separate Circuit MR16 Lamp
- F1= Single Fuse (120, 277 or 347V)
F2= Double Fuse (208, 240 or 480V)
LL= Lamp Included (Must Specify Wattage on PL)²³
TR= Tamper Resistant Screw (Door and Mounting Plate)
PE= Factory Installed Internal Photocontrol (Specify Voltage)

- Notes:**
- All HID lamps are medium-base.
 - Available in 120V, 277V and Dual-Tap.
 - Not available in 480V.
 - Metal Halide only.
 - (2) 26W quad tube lamps only.
 - Products also available in non-US voltages and frequencies for international markets. Consult your Cooper Lighting Representative for availability and ordering information.
 - Dual-Tap ballast is 120/277V wired 277V.
 - Triple-Tap ballast is 120/277/347V wired 347V.
 - Multi-Tap ballast is 120/208/240/277V wired 277V.
 - Supplied with 120V through 277V 50/60Hz for Compact Fluorescent.
 - Add as suffix in the order shown and separated by a dash.
 - The power might need to cycle and allow HID lamp to cool in warm climates. Available up to 175W HID.
 - For use with T4 double contact bayonet base, 100W maximum, 120V halogen lamp by others.
 - Lamps wired to quartz restrike relay.
 - Not available with CFL.
 - Battery pack will operate up to 42W CFL lamp for 90 minutes.
 - CFLamps only, rated for minimum temperatures of 0°F (-18°C), (1) 42W CFL maximum, heater rated for 300W with thermostat control.
 - CF lamps only, rated for minimum temperature of 32°F (0°C), (1) 42W CFL maximum.
 - For use with MR16, GU10 base, 50W maximum, 120V halogen lamp by others.
 - Leads run out back for connection to auxiliary 120V circuit.
 - Supplied with 12V Bi-pin socket for connection to emergency battery pack (supplied by others). For use with MR16, GBU3 base, 35W maximum, 12V halogen lamp by others.
 - Lamp wired quartz restrike, (1) lamp wired emergency separate circuit, leads run separate out back. Lamp is shipped separate from luminaires. Lamp is Cooper designated product based on luminaire requirements. Specified lamps must be ordered as a separate line item.
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STOCK SAMPLE NUMBER (Lamp Included)

SAMPLE NUMBER: MHIW17



Lamp Type
HP=High Pressure Sodium
MH=Metal Halide

Fixture Type
IW=IMPACT Wedge

Lamp Wattage
10=100W
15=150W
17=175W

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.
* Painted bronze. Supplied with lamp and Multi-Tap RFL ballast wired 277V.