

DESCRIPTION

The IMPACT Elite Trapezoid full cutoff wall luminaire makes an ideal complement to site design. Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding schools, office complexes, apartments, and recreational facilities. UL/cUL Listed for wet locations in down mount applications and damp locations in up mounted applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Durable two-piece die-cast aluminum housing and removable hinged door frame envelopes the optical enclosure from nature's elements. 1/8" clear, heat and impact resistant tempered flat glass lens combined with molded silicone gasket seals the integrated optical assembly to ensure peak optical performance. Captive stainless steel hardware secures the removable hinged door allowing for ease of installation and maintenance.

Electrical

Integral hard mount electrical components are safely secured and grounded within the die-cast aluminum housing for optimal heat sinking and extended component life. All wiring is extended through a silicone grommet at the back of the housing to prevent entry of debris, moisture, dust and insects. UL listed high power factor ballasts are Class H insulation rated [metal halide: 150, 175, 200, 250, 320, 350, 400W [-30°C / -20°F], [high pressure sodium: 250, 400W [-40°C / -40°F]].

High efficiency ballasts are available in a multitude of voltage configurations. Compact fluorescent high power factor ballasts are Class P insulation rated for 120V-277V and have a starting temperature of -18°C / 0°F.

Optical Systems

Custom engineered highly reflective anodized aluminum reflectors provide high efficiency Type II, Type III and Type IV distributions. All Impact Wall Series reflectors classify as IESNA full cutoff in downlight only applications. Optional silk screened house-side flat glass shield provides decreased wall brightness. Optical assemblies are offered standard with horizontal medium or mogul-based metal halide [MH/MP], high pressure sodium [HPS] or energy efficient 4-pin compact fluorescent [CF] lamps. Available 10% or 30% uplight options allow for architectural highlighting of building details.

Mounting

Impact Elite's "Hook-N-Lock" gasketed and zinc plated rigid universal mounting assembly fits directly to a 4" junction box or wall. The "Hook-N-Lock" system allows for fast installation and mounting in both traditional downlighting [wet location] or inverted uplighting [damp location only] mounting positions.

Finish

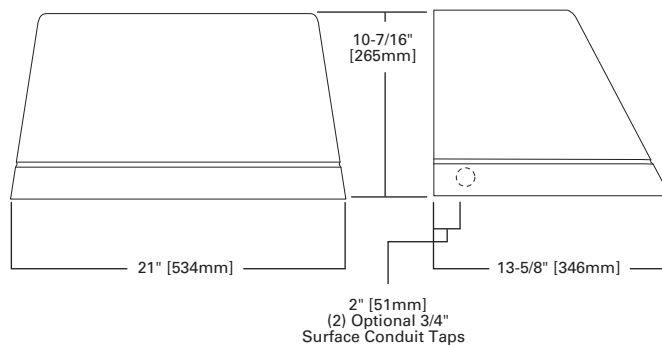
Housing and door are protected with 5-stage premium TGIC polyester powder coat paint. Premium TGIC powder coat finishes withstand extreme climate changes while providing optimal color and gloss retention over the fixture's installed life. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult McGraw-Edison Architectural Colors Brochure for complete selection.



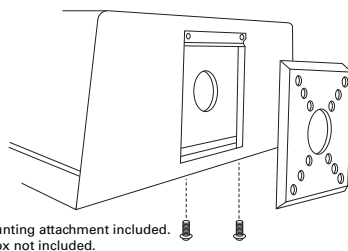
**IMT
IMPACT ELITE
MEDIUM
TRAPEZOID**

- 150 - 400W**
- Pulse Start Metal Halide
- Metal Halide
- High Pressure Sodium
- 32 - 120W**
- Compact Fluorescent

**FULL CUTOFF
WALL MOUNT LUMINAIRE**



HOOK-N-LOCK MOUNTING



IMPACT™

DARK SKY COMPLIANT FCO Full Cutoff

NOTE: In downlight applications only.

TECHNICAL DATA

UL1598 Listed, CUL Listed
Down Mounted - Wet Location
Up Mounted - Damp Location
25°C Ambient Temperature,
40°C w/HA Option
EISA Compliant ©

ENERGY DATA

High Reactance Ballast Input Watts

150W MP HPF (185 Watts)
250W HPS HPF (300 Watts)
400W HPS HPF (465 Watts)

CWA Ballast Input Watts

200W MP CWA (227 Watts) ©
250W MP CWA (283 Watts) ©
320W MP CWA (365 Watts) ©
350W MP CWA (400 Watts) ©
400W MP CWA (452 Watts) ©

Electronic Ballast Input Watts

32W CF HPF (36 Watts)
42W CF HPF (46 Watts)
57W CF HPF (59 Watts)
60W CF HPF (70 Watts)
70W CF HPF (75 Watts)
85W CF HPF (98 Watts)
120W CF HPF (139 Watts)

SHIPPING DATA

Approximate Net Weight:
42 lbs. (19 kgs.)

ORDERING INFORMATION

Sample Number: IMT-250-MP-MT-3S-GM

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Product Family

IMT=Impact Elite Medium Trapezoid

Lamp Wattage ¹

MP

- 150=150W
 - 200=200W
 - 250=250W**
 - 320= 320W
 - 350= 350W
 - 400= 400W
- HPS**
- 250= 250W
 - 400= 400W
- MH ²**
- 175= 175W²
 - 250= 250W²
 - 400= 400W²
- CF**
- 57= (1) 57W
 - 60= (1) 60W
 - 64= (2) 32W
 - 70= (1) 70W
 - 84=(2) 42W
 - 85=(1) 85W
 - 96=(3) 32W
 - 114=(2) 57W
 - 120=(1) 120W
 - 126=(3) 42W

Lamp Type

- MP**=Pulse Start Metal Halide
 - HPS**=High Pressure Sodium
 - MH**=Metal Halide²
 - CF**= Compact Fluorescent
- Voltage ³**
- 120= 120V
 - 208= 208V
 - 240= 240V
 - 277= 277V
 - 347= 347V³
 - 480= 480V
- DT**= Dual-Tap⁴
- MT**= Multi-Tap⁴
- TT**= Triple-Tap^{3, 4}
- E1**= Electronic 120-277V³

Distribution

- HID**
- 3S**=Type III Segmented
 - 4S**=Type IV Segmented
- CF**
- 2S**= Type II Segmented⁵
 - 4S**= Type IV Segmented⁵

Color ⁶

- AP**: Grey
- BZ**: Bronze
- BK**: Black
- WH**: White
- DP**: Dark Platinum
- GM**: Graphite Metallic

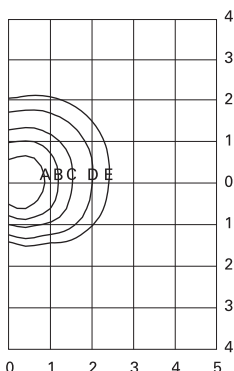
Options

- F**=Single Fuse, Specify Voltage (120, 277 or 7 347V)
- FF**=Double Fuse, Specify Voltage (208, 240⁷ or 480V)
- L**= Lamp Included
- HA**= 40 Degrees C High Ambient⁸
- SC**= Surface Conduit entry Taps (2) 3/4" NPT⁹
- CSW**= Circuit Switching¹⁰
- FR**= Frosted Lens¹¹
- P**= Button Type Photocontrol (120V, 208, 7, 12 240, or 277V)
- TR**= Tamper Resistant Fasteners
- UPL10**= 10% Uplight
- UPL30**= 30% Uplight¹³
- DIM**= CF Dimming Ballast (CF Lamp/Must¹⁴ Specify Number of Lamps)
- HS**= House Side Shield Glass¹⁵
- Q**= Quartz Restrike T4 Lamp^{16, 17}
- EM**= Emergency Quartz Restrike T4 Lamp^{16, 17} w/ Time Delay Relay
- EM/SC**=Emergency Separate Circuit^{16, 17, 18} T4 Lamp
- QMR**=Quartz Restrike MR16 Lamp^{17, 19}
- 2QMR**=Quartz Restrike w/ (2) MR16^{17, 19} Lamps
- 2QMR/SC**=Quartz Restrike (1) MR16^{17, 18, 19} Lamp and (1) Emergency Separate Circuit MR16 Lamp
- EMMR**=Emergency Quartz Restrike ^{17, 19} MR16 Lamp w/ Time Delay Relay
- 2EMMR**=Emergency Quartz Restrike with ^{17, 19} (2) MR16 Lamps w/Time Delay Relay
- 2EMMR/SC**=Emergency Quartz ^{17, 18, 19} Restrike with Time Delay Relay (1) MR16 and (1) MR16 Emergency Separate Circuit Lamp
- EM/SC/MR**=Emergency Separate ^{17, 18, 19} Circuit MR16 Lamp
- 2EM/SC/MR**=Emergency Separate ^{17, 18, 19} Circuit with (2) MR16 Lamps
- EM/SC/12V**=Emergency Separate ^{17, 18, 20} Circuit 12V Low Voltage (1) MR16 Lamp
- 2EM/SC/12V**=(2) Emergency ^{17, 18, 20} Separate Circuit MR16 Lamps (12V)
- EMI40B**=Emergency Cold Temperature ^{7, 21} (UL924 Listed) Power Pack -18 degrees C / 0 degrees F, (1) CF Lamp
- 2EIM40B**=Emergency Cold Temperature ^{7, 22} (UL924 Listed) Power Pack -18 degrees C/0 degrees F, (2) CF lamps with Back Box matching housing finish.
- CFEMB**: Emergency CF Power Pack ^{7, 23} (UL924 Listed) (1) CF Lamps, 0 Degrees C/32 Degrees F
- 2CFEMB**: Emergency CF Power Pack ^{7, 24} (UL924 Listed) , 0 Degrees C/32 Degrees F, (2) CF Lamps, with Back Box matching housing finish.

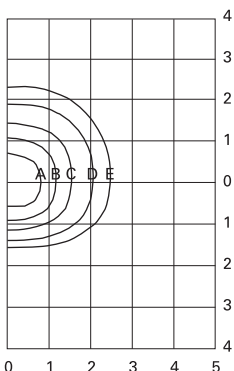
- Notes:**
- 1 All HID Metal Halide lamps are mogul-base, reduced envelope ED-28 except 200W Pulse Start Metal Halide is T15. All HID High Pressure Sodium lamps are mogul-base ED-18.
 - 2 175, 250 and 400W MH available for non-US markets only.
 - 3 Products also available in non-US voltages and 50HZ for international markets. 88% Efficient EISA Compliant MP Fixtures not available in 347V and TT Voltages. Electronic E1 only available with CF source. Consult your Cooper Representative for availability and ordering information.
 - 4 Dual-Tap ballast is 120/277V wired 277V. Multi-Tap ballast is 120/208/240/277V wired 277V. Triple-Tap ballast is 120/277/347V wired 347V.
 - 5 Type II - 60, 64, 70, 84, 85, 96, 114 or 126W CF only. Type IV - 60, 85, 120W CF only. In cold temperatures, compact fluorescent lamps produce lower illumination levels.
 - 6 Add as suffix.
 - 7 Must specify voltage.
 - 8 Rated for 40°C for 250W and below fixture. Not available with CF lamps.
 - 9 Not available in Type IV 320V through 400W. Not available in Type III with PE 320W through 400W. 175-250W requires thru-wire rating of 120°C, 320-400W requires rating of 140°C
 - 10 Each ballast independently wired. Available on 96, 114, or 126W CF wattages.
 - 11 Not available with 320W thru 400W or 114 or 126W CF options.
 - 12 Not available with SC option teamed with 320-400W. Not available with 480V.
 - 13 Type III only. Not available with CF lamps.
 - 14 Specify CF option 96 or 126W, not available with HS, FR, or VS options. Must specify number of lamps.
 - 15 Not available with 320 thru 400W.
 - 16 (1) 120W Lamp, 150W maximum quartz lamp. Utility power may need to cycle to allow HID lamp to cool in warm climates.
 - 17 Emergency lamps supplied by others.
 - 18 Leads out of the back of the unit for auxillary power.
 - 19 (1) or (2) 120V Lamps. GU10 base, 50W maximum each. Lamps supplied by others.
 - 20 Power supplied by low voltage DC source (supplied by others). (1) or (2) 12V bi-pin socket GU5.3 base. 12V 35W maximum.
 - 21 Specify 120 or 277V, (-18°C) minimum temperature, not available with UP10 or CSW option, 57W CF maximum.
 - 22 Specify 120 or 277V, (-18°C minimum, operates (2) 32W 4-pin lamps or less, not available with UPL10 or CSW option, (lamps supplied by others).
 - 23 Specify 120 or 277V, (0°C) minimum temperature, not available with UPL10 or CSW option, 57W CF maximum.
 - 24 Specify 120 or 277V, (0°C minimum, operates (2) 32W 4-pin lamps or less, not available with UPL10 or CSW option, (lamps supplied by others).
 - 25 Order separately.
 - 26 Not available with VS option.
 - 27 Not available with 320 thru 400W. Not available with wire guard.

Accessories ²⁵

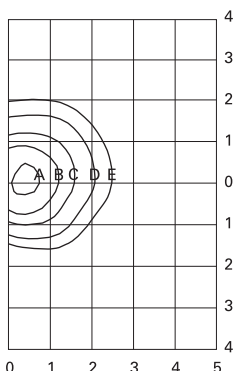
- WG/ITM**= Wire Guard²⁶
- VS/ITM**= Vandal Resistant Shield²⁷



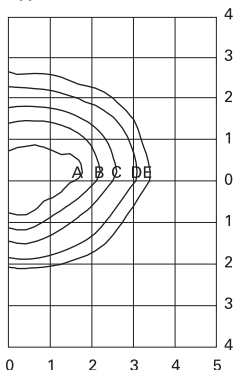
IMT-126-CF-XX-2S
126-Watt CF
[3] 9,600-Lumen Clear Lamp
Type II



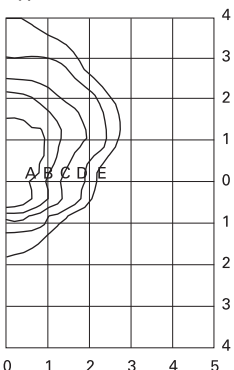
IMT-114-CF-XX-2S
114-Watt CF
[2] 8,600-Lumen Clear Lamp
Type II



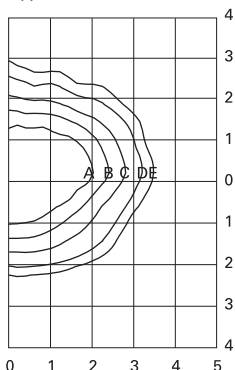
IMT-85-CF-XX-2S
85-Watt CF
6,000-Lumen Clear Lamp
Type II



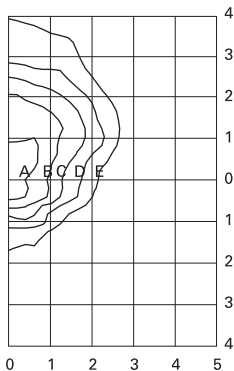
IMT-150-MP-XX-3S
150-Watt MP
14,000-Lumen Clear Lamp
Type III



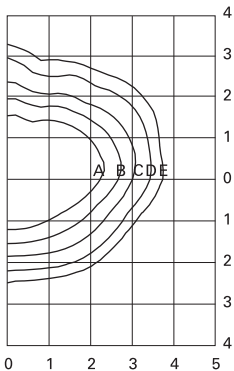
IMT-150-MP-XX-4S
150-Watt MP
14,000-Lumen Clear Lamp
Type IV



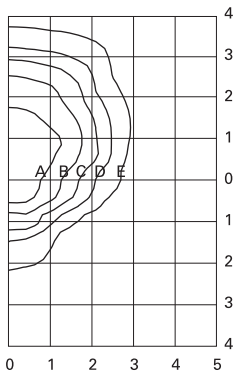
IMT-250-MP-XX-3S
250-Watt MP
23,750-Lumen Clear Lamp
Type III



IMT-250-MP-XX-4S
250-Watt MP
23,750-Lumen Clear Lamp
Type IV



IMT-400-MP-XX-3S
400-Watt MP
40,000-Lumen Clear Lamp
Type III



IMT-400-MP-XX-4S
400-Watt MP
40,000-Lumen Clear Lamp
Type IV

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
126-CF-2S / 114-CF-2S / 85-CF-2S					
18'	2.46	1.23	0.62	0.25	0.12
20'	2.00	1.00	0.50	0.20	0.10
25'	1.28	0.64	0.32	0.13	0.06

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
150-MP-3S / 150-MP-4S / 250-MP-3S					
18'	2.46	1.23	0.62	0.25	0.12
20'	2.00	1.00	0.50	0.20	0.10
25'	1.28	0.64	0.32	0.13	0.06

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
400-MP-3S					
18'	2.46	1.23	0.62	0.25	0.12
20'	2.00	1.00	0.50	0.20	0.10
25'	1.28	0.64	0.32	0.13	0.06

250-MP-4S / 400-MP-4S

18'	6.15	2.46	1.23	0.62	0.25
20'	5.00	2.00	1.00	0.50	0.20
25'	3.20	1.28	0.64	0.32	0.13