

DESCRIPTION

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

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

HOUSING: Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a white polyester powder coat.

Electrical

BALLAST: High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HPS and -30°C (-20°F) for MH. **SOCKET:** Mogul-base porcelain socket standard for HPS.

For Metal Halide, protected socket standard, for use with "O" (Open) rated protected Metal Halide lamps only.

Optical

SEALED OPTICS: Enclosed and gasketed optics seal out dirt and other contaminants. **REFLECTOR:** Computer designed, faceted reflector provides maximum photometric performance. **HANDS-FREE RELAMPING:** Trunk latches secure the reflector to the housing,

allowing toolless entry, while internal hangers hold reflector/refractor for hands-free relamping. **LENS:** 100% virgin UV stabilized acrylic refractor.

Mounting

Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit.



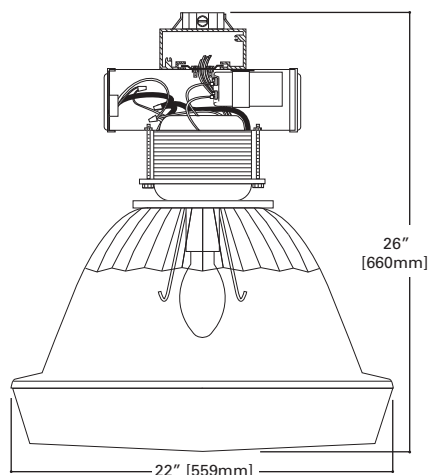
EP ENTERPRISE 22

70 - 450W

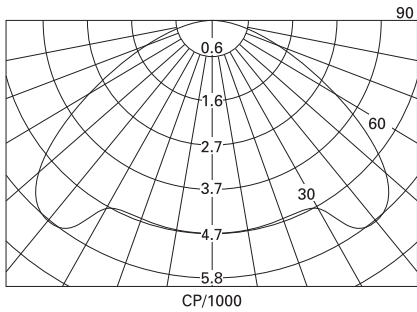
High Pressure Sodium
Pulse Start Metal Halide
Metal Halide

ALUMINUM LOW-BAY

DIMENSIONS



PHOTOMETRICS



HPEP-R22-250-MT-Q
250-Watt HPS
27,500-Lumen Clear Lamp

Coefficients Of Utilization															
Effective floor cavity reflectance															
20%															
80%															
rc	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
RCR															
1	75	72	69	67	73	70	68	65	67	65	63	64	63	61	
2	69	64	59	55	67	62	58	55	60	56	53	57	54	52	
3	63	56	51	46	61	55	50	46	53	48	45	51	47	44	
4	58	50	44	40	56	49	43	39	47	42	39	45	41	38	
5	53	44	38	34	51	43	38	33	42	37	33	40	36	32	
6	48	39	33	29	47	38	33	28	37	32	28	36	31	28	
7	44	35	28	24	43	34	28	24	33	27	24	32	27	23	
8	40	31	25	21	39	30	25	21	29	24	20	28	24	20	
9	37	28	22	18	36	27	21	18	26	21	17	25	21	17	
10	34	25	19	15	33	24	19	15	23	18	15	23	18	15	

Spacing Criterion 1.7			
Zone	%Lamp	Zone	%Lamp
0-30	14.6	0-90	67.9
0-40	27.3	90-180	1.3
0-60	55.1	Total	69.2

Candlepower	
Degree	CP
0	4793
5	4751
10	4695
15	4658
20	4687
25	4800
30	5139
35	5584
40	5757
45	5517
50	4862
55	3840
60	2763
65	1966
70	1388
75	989
80	700
85	454
90	281

ORDERING INFORMATION

Sample Number: MPEP-R22-250-MT-Q

Lamp Type MP =Pulse Start Metal Halide MH =Metal Halide ^{1, 2} HP =High Pressure Sodium Series EP = Enterprise		Reflector Diameter R22 =22" Reflector Diameter Reflector Type _ =Acrylic PL =Polycarbonate ³		Lamp Wattage MP 100 =100W 175 =175W 250 =250W 320 =320W 400 = 400W MH ² 175 = 175W 250 = 250W 400 = 400W HP 100 = 100W 250 = 250W 400 = 400W		Voltage ⁴ 120V =120V 208V =208V 240V =240V 277V =277V 347V =347V 480V =480V MT = Multi-Tap, ⁵ wired 277V TT = Triple-Tap, ⁶ wired 347V 5T = 5-Tap ⁷ Socket OR = Open Rated ⁸ Socket for Metal Halide Lamps _ = Non Applicable (HPS or Not compatible with OR Socket)		Options C3 =3' Cord with no plug (Specify Voltage) ⁹ PC3 =3' Cord with NEMA Plug (120V-L5-15P, ⁹ 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. 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. 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). 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) F1 = Single Fuse (120, 277 or 347V only) F2 =Double Fuse (208, 240 or 480V only) SCF =3' Aircraft Safety Cable secures Housing to Ceiling (Alternative lengths available. Example: SCF6 = 6' Cable) 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 ¹⁰ L/TCB =Less Top Connector Box (Housing shipped less top connector box. (Specify when using TWMBBS accessory) LL =Lamp Included ¹¹ SCR =Aircraft Safety Cable-Housing to Reflector WMWS =MWS Industrial components attached to the fixture at the factory. (Standard cord length is 3 ft. 6 ft. and 11 ft. also available. Please refer to MWS Modular Wiring System section for additional information. HC =LumaWatt Fixture Control Module ^{12, 13} (Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit) HL =LumaWatt Fixture Control Module ¹³ (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) QLL =Quartz Lamp Included (Lamp is Cooper designated product based on luminaire requirements. Lamp is shipped separate from luminaire unless otherwise noted) FILT =Sintered Bronze filter (Sintered bronze filter prevents the entrance of contaminants)		Accessories ¹⁴ C3 =3' Cord-No Plug - Requires FH-1, FL-1, or ⁹ SHK PC3 =3' Cord with NEMA Plug - (120V-L5, ⁹ 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 = Power Hook Cord and Non-NEMA plug configuration. Must be used with FL-1 and TPPH (Thru-Way Pendant Power Hook) 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) WG22/EP = Wire Guard MBT = Twin Mount Bracket (Fixtures must be same voltage and without hooks, loops or plugs.) TPPH = Thru-Way Pendant Power Hook. Requires FL-1 and PHC. Specify Voltage. TPPH-F = Thru-Way Pendant Power Hook Single Fuse, 120, 277 or 347 Volt. Requires FL-1 and PHC. Specify Voltage. TPPH-F2 = Thru-Way Pendant Power Hook - Double Fused, 208, 240, or 480 Volt. Requires FL-1 and PHC. Specify Voltage. TPPH-F-QD = Thru-Way Pendant Power Hook Single Fuse, Quick Disconnect. Requires FL-1 and PHC. Specify Voltage (120, 277, or 347V) TPPH-F2-QD =Thru-Way Pendant Power Hook Double Fuse, Quick Disconnect. Requires FL-1 and PHC. Specify Voltage (208, 240, or 480V) TPPH-NEMA =Thru-Way Pendant Power Hook. Requires FL-1 and PHC-XXXV-NEMA. (Specify FH-1 =Fixture Hook FL-1 =Fixture Loop SHK =Hook with Safety Screw TWMBBS =Thru-Way Mounting Box ¹⁵	
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- Notes:**
- 1 Open Rated socket and lamp must be used.
 - 2 MH available in non-U.S. markets only.
 - 3 Not recommended for use with Metal Halide lamps due to rapid yellowing typical of polycarbonate material.
 - 4 Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Representative for availability and ordering information. 88% Efficient EISA Compliant MP Fixtures not available in 347V and TT Voltages.
 - 5 Multi-Tap ballast 120/208/240/277V wired 277V.
 - 6 Triple-Tap ballast 120/277/347V wired 347V.
 - 7 5-Tap ballast 120/208/240/277/480V wired 277V. 400W Metal Halide only. 88% efficient EISA Compliant MP fixtures not available in 5-Tap Voltages.
 - 8 Not applicable for HPS.
 - 9 Requires FH-1 or FL-1 or SHK.
 - 10 Not available with HL or HC options.
 - 11 Lamp is shipped separately.
 - 12 Not available with PC3, C3, PHC or MWS. Not available with single circuit MWS special order.
 - 13 30 second time delay when switching from bright to dim. Consult individual lamp manufacturers recommendations for compatible lamps. For use with CWA ballast only.
 - 14 Order separately.
 - 15 Specify L/TCB when using thru-way mounting box (TWMBBS) accessory.

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 ⁸	120/208/240/277/480V (wired 277V)

STOCK SAMPLE NUMBER

Stock Sample #: FS25-NL

F		
Series F =Enterprise	Lamp Type S =High Pressure Sodium M =Metal Halide P =Pulse Start Metal Halide	Lamp Wattage 25 =250W 32 =320W 35 =350W 40 =400W 40Q =400W and Quartz Restrike 258 =250W (Canada, Triple-Tap Ballast) 408 =400W (Canada, Triple-Tap Ballast)

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.

DESCRIPTION

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

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

HOUSING: Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a white polyester powder coat.

Electrical

BALLAST: High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40°F) for HPS and -30°C (-20°F) for MH. **SOCKET:** Mogul-base porcelain socket standard for HPS.

For Metal Halide, protected socket standard, for use with "0" (Open) rated protected Metal Halide lamps only.

Optical

SEALED OPTICS: Enclosed and gasketed optics seal out dirt and other contaminants. **REFLECTOR:** Computer designed, faceted reflector provides maximum photometric performance. **HANDS-FREE RELAMPING:** Trunk latches secure the reflector to the housing,

allowing toolless entry, while internal hangers hold reflector/refractor for hands-free relamping. **LENS:** 100% virgin UV stabilized acrylic refractor.

Mounting

Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit.



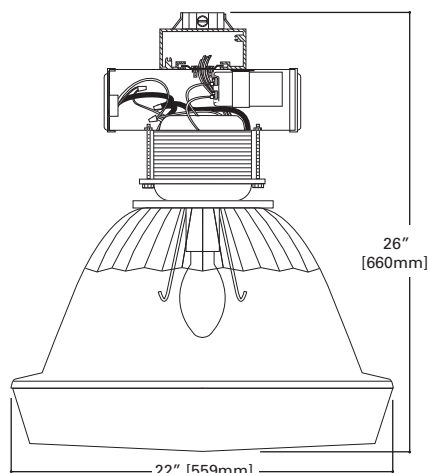
EP ENTERPRISE 22

70 - 450W

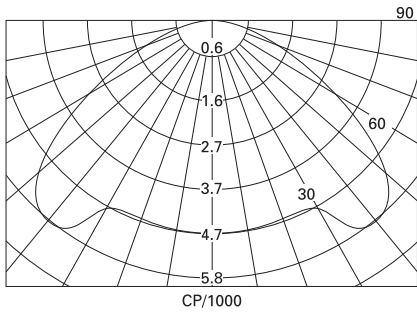
High Pressure Sodium
Pulse Start Metal Halide
Metal Halide

ALUMINUM LOW-BAY

DIMENSIONS



PHOTOMETRICS



HPEP-R22-250-MT-Q
250-Watt HPS
27,500-Lumen Clear Lamp

Coefficients Of Utilization															
Effective floor cavity reflectance															
80%				70%				50%				30%			
rc	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
RCR															
1	75	72	69	67	73	70	68	65	67	65	63	64	63	61	
2	69	64	59	55	67	62	58	55	60	56	53	57	54	52	
3	63	56	51	46	61	55	50	46	53	48	45	51	47	44	
4	58	50	44	40	56	49	43	39	47	42	39	45	41	38	
5	53	44	38	34	51	43	38	33	42	37	33	40	36	32	
6	48	39	33	29	47	38	33	28	37	32	28	36	31	28	
7	44	35	28	24	43	34	28	24	33	27	24	32	27	23	
8	40	31	25	21	39	30	25	21	29	24	20	28	24	20	
9	37	28	22	18	36	27	21	18	26	21	17	25	21	17	
10	34	25	19	15	33	24	19	15	23	18	15	23	18	15	
Spacing Criterion 1.7															
Zone	%Lamp				Zone	%Lamp									
0-30	14.6				0-90	67.9									
0-40	27.3				90-180	1.3									
0-60	55.1				Total	69.2									

Candlepower	
Degree	CP
0	4793
5	4751
10	4695
15	4658
20	4687
25	4800
30	5139
35	5584
40	5757
45	5517
50	4862
55	3840
60	2763
65	1966
70	1388
75	989
80	700
85	454
90	281

ORDERING INFORMATION

Sample Number: MPEP-R22-250-MT-Q

Lamp Type

MP=Pulse Start Metal¹ Halide

MH=Metal Halide^{1, 2}

HP=High Pressure Sodium

Series

EP= Enterprise

Reflector Diameter

R22=22" Reflector Diameter

Reflector Type

__=Acrylic

PL=Polycarbonate³

Lamp Wattage

MP

100=100W

175=175W

250=250W

320=320W

400= 400W

MH ²

175= 175W

250= 250W

400= 400W

HP

100= 100W

250= 250W

400= 400W

Voltage ⁴

120V=120V

208V=208V

240V=240V

277V=277V

347V=347V

480V=480V

MT= Multi-Tap, ⁵ wired 277V

TT= Triple-Tap, ⁶ wired 347V

5T= 5-Tap⁷

Socket

OR= Open Rated ⁸ Socket for Metal Halide Lamps

__= Non Applicable (HPS or Not compatible with OR Socket)

Options

C3=3' Cord with no plug (Specify Voltage)⁹

PC3=3' Cord with NEMA Plug (120V-L5-15P, ⁹ 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.

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.

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).

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)

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

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

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

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 Circuit¹⁰

L/TCB=Less Top Connector Box (Housing shipped less top connector box. (Specify when using TWMBBS accessory)

LL=Lamp Included¹¹

SCR=Aircraft Safety Cable-Housing to Reflector

WMWS=MWS Industrial components attached to the fixture at the factory. (Standard cord length is 3 ft. 6 ft. and 11 ft. also available. Please refer to MWS Modular Wiring System section for additional information.

HC=LumaWatt Fixture Control Module ^{12, 13} (Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit)

HL=LumaWatt Fixture Control Module ¹³ (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)

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

FILT=Sintered Bronze filter (Sintered bronze filter prevents the entrance of contaminants)

Accessories ¹⁴

C3=3' Cord-No Plug - Requires FH-1, FL-1, or ⁹ SHK

PC3=3' Cord with NEMA Plug - (120V-L5, ⁹ 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= Power Hook Cord and Non-NEMA plug configuration. Must be used with FL-1 and TPPH (Thru-Way Pendant Power Hook)

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)

WG22/EP= Wire Guard

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

TPPH= Thru-Way Pendant Power Hook. Requires FL-1 and PHC. Specify Voltage.

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

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

TPPH-F-QD= Thru-Way Pendant Power Hook Single Fuse, Quick Disconnect. Requires FL-1 and PHC. Specify Voltage (120, 277, or 347V)

TPPH-F2-QD=Thru-Way Pendant Power Hook Double Fuse, Quick Disconnect. Requires FL-1 and PHC. Specify Voltage (208, 240, or 480V)

TPPH-NEMA=Thru-Way Pendant Power Hook. Requires FL-1 and PHC-XXXV-NEMA. (Specify

FH-1=Fixture Hook

FL-1=Fixture Loop

SHK=Hook with Safety Screw

TWMBBS=Thru-Way Mounting Box¹⁵

Notes: ¹ Open Rated socket and lamp must be used.

² MH available in non-U.S. markets only.

³ Not recommended for use with Metal Halide lamps due to rapid yellowing typical of polycarbonate material.

⁴ Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Representative for availability and ordering information. 88% Efficient EISA Compliant MP Fixtures not available in 347V and TT Voltages.

⁵ Multi-Tap ballast 120/208/240/277V wired 277V.

⁶ Triple-Tap ballast 120/277/347V wired 347V.

⁷ 5-Tap ballast 120/208/240/277/480V wired 277V. 400W Metal Halide only. 88% efficient EISA Compliant MP fixtures not available in 5-Tap Voltages.

⁸ Not applicable for HPS.

⁹ Requires FH-1or FL-1or SHK.

¹⁰ Not available with HL or HC options.

¹¹ Lamp is shipped separately.

¹² Not available with PC3, C3, PHC or MWS. Not available with single circuit MWS special order.

¹³ 30 second time delay when switching from bright to dim. Consult individual lamp manufacturers recommendations for compatible lamps. For use with CWA ballast only.

¹⁴ Order separately.

¹⁵ Specify L/TCB when using thru-way mounting box (TWMBBS) accessory.

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 ⁸	120/208/240/277/480V (wired 277V)

STOCK SAMPLE NUMBER

Stock Sample #: FS25-NL

F

Series

F=Enterprise

Lamp Type

S=High Pressure Sodium

M=Metal Halide

P=Pulse Start Metal Halide

Lamp Wattage

25=250W

32=320W

35=350W

40=400W

40Q=400W and Quartz Restrike

258=250W (Canada, Triple-Tap Ballast)

408=400W (Canada, Triple-Tap Ballast)

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.

EATON

Powering Business Worldwide

Eaton

1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

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