

GE
Lighting

Roadway Lighting

M-400 with Cutoff Optics (MSCA & MSCL)



imagination at work

Product Features

From HID to LED, GE continues to push Roadway Lighting to new heights. Recognized for the highest quality and reliability in street, highway, parkway, and commercial applications, GE offers a wide selection of styles to meet the lighting needs of municipalities, utilities, DOT customers and more.

Applications

- For roadway, highway or parking lot applications where light trespass could be a problem

Housing

- Die-cast aluminum housing.
- External paddle type stainless steel bail latch

Finish

- Polyester powder gray paint finish

Rating

-  /  listed for wet location available

Mounting

- Universal two or four-bolt slipfitter
- Metal pest guard standard (not required for 2 in. pipe mounting)

Reflectors

- Standardized Reflector

Unique Features

- “Dead back” tunnel type, FRP terminal board
- Plug-in ignitor standard
- Cutoff photometrics
- True 90° cutoff – no light above 90° (meets RP8-2000 for full cutoff) with flat glass

Ordering Number Logic

M-400 with Cutoff Optics (MSCA & MSCL)



PROD. ID	WATTAGE	LIGHT SOURCE	VOLTAGE	BALLAST TYPE SELECTION	PE FUNCTION	IGNITOR MOUNTING	LENS TYPE	IES DISTRIBUTION TYPE	OPTIONS
MSCA = M-400 with 4-Bolt Slipfitter	07 = 70 10 = 100 15 = 150 (55V) 17 = 175 20 = 200 24 = 250/400	S = HPS Standard: HID lamp not included.	60Hz 0 = 120/208/240/ 277 Multivolt 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 7 = 120X240 8 = 240V Ballast 120V PE Receptacle not reconnectable D = 347 G = 200-277 T = 220 W = 230 50Hz 6 = 220 R = 230 Y = 240 NOTE: Dual voltage connected for lower voltage	See Ballast Selection Table A = Autoreg E = Induction Ballast G = Mag-Reg with Grounded Socket Shell H = HPF Reactor or Lag M = Mag-Reg N = NPF Reactor or Lag P = CWI with Grounded Socket Shell	1 =None 2 =PE Receptacle NOTE: Receptacle connected same voltage as unit except as noted. Order PE Control separately.	2 = Plug-in base and Ignitor	F = Flat Glass* G = Shallow Glass Globe L = Polycarbonate Clear Globe (250 watt Maximum) HPS only * = Previously IESNA Full Cutoff Optics	See Photometric Selection Table M = Medium C = Cutoff* 2 = Type II 3 = Type III * = Previously IESNA Full Cutoff Optics	C = Charcoal filter F = Fusing (Not available with multivolt or dual voltage) J = Line Surge Protector, Expulsion Type (UL not available) U = / listed with glass only (60Hz only)

**ALL METAL HALIDE VERSIONS AND
THEIR ASSOCIATED OPTIONS ARE
NO LONGER AVAILABLE
EFFECTIVE JANUARY 1, 2017**

Ballast Selection Table

Wattage	Light Source	Ballast Type/Voltage 60Hz											Ballast Type/Voltage 50Hz				
		Multivolt	120	208	240	277	480	120X240	347**	240/120	200-	220	230	277	220	230	240
150 (55V)	HPS	H,N,A	G,H,M,N	G,M	G,M	G,M	G,M	G,H,M,N	G*,H,M*,N	G,M	N/A	N/A	N/A	N/A	N/A	N/A	N/A
200	HPS	A,G,M,P	A,G,M,P	A,G,H,M,N,P	A,G,H,M,N,P	A,G,M,P	A,G,M	A,G,M	A,G,M,P	A,G,H,M,N	N/A	H	N/A	N/A	N/A	N/A	N/A
250	HPS	A,G,M,P	A,G,H,M,N,P	A,G,H,M,N,P	A,G,H,M,N,P	A,G,M,P	A,G,M,P	A,G,M,P	A,G,M,P	A,G,H,M,N	A,H	H	N/A	A,H,M,N	H	M	N/A
250/400	HPS	A	A	A	A	A	A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
400	HPS	A,M	A,G,M,N	A,G,H,M,N	A,G,H,M,N	A,G,M	A,G,M	A,G,M	A,G,M	A,G,H,M,N	H,A,N	H	N/A	A,H,M,N	N/A	A,H,M	N/A

NOTE: N/A = Not available. *Not available in 120 X 347. **Not available in 200 watt or 310 watt. C/F = Contact Manufacturer

Photometric Selection Table

CLEAR REFRACTORS.
All light sources are clear.

Wattage	Light Source	IES Distribution Type Photometric Curve Number 35-									
		Flat Glass "F"				Polycarbonate		Sag Glass "G"			
		MC2	MC3	SC2	SC3	MC2	MC3	MC1	MC2	MC3	SC2
150 (55V)	HPS	450391	450392	N/A	N/A	C/F	C/F	N/A	450547	450546	N/A
200-400 HPS	HPS	451005	451006	N/A	N/A	451046**	451045**	N/A	450864	450863	N/A

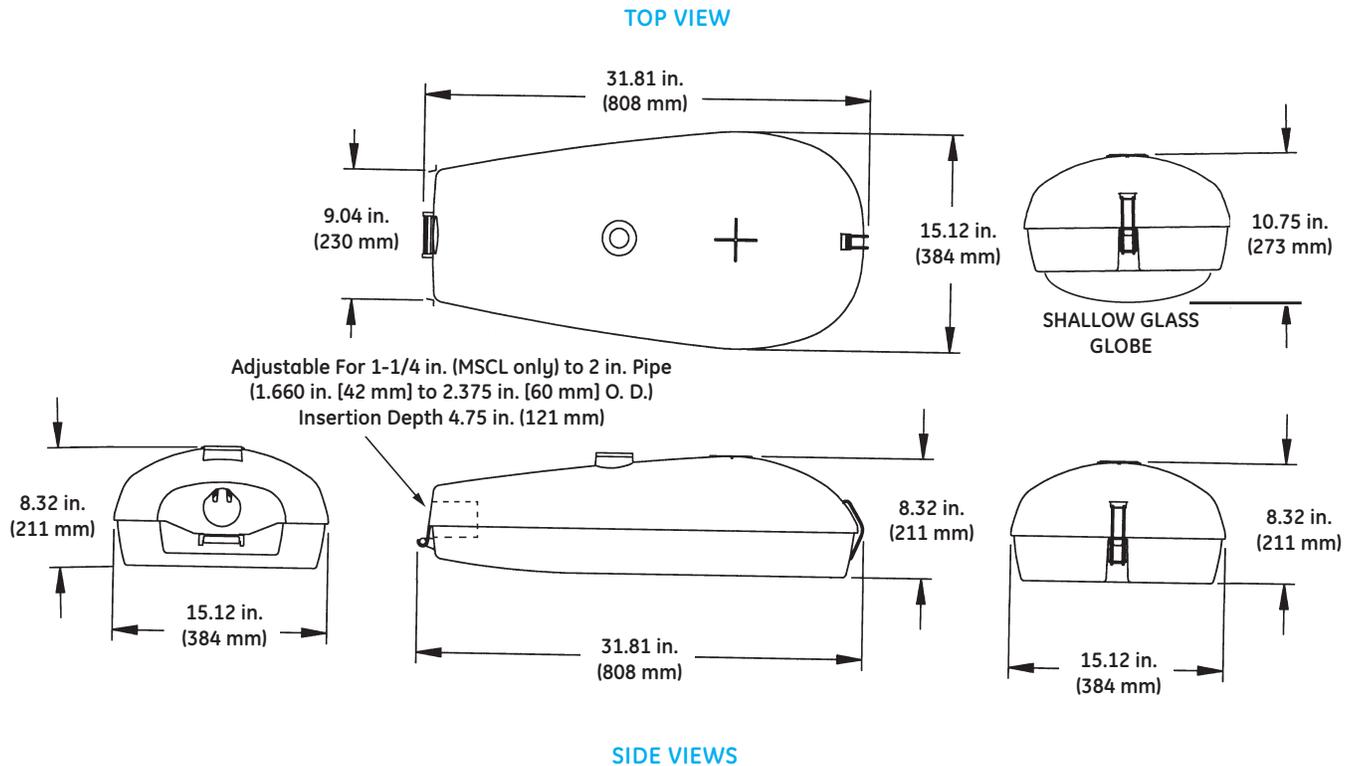
NOTE: N/A = Not Available C/F = Contact Manufacturer *Requires the use of ED-28 Lamp **250 watts maximum

MSCL – Suggested Catalog Ordering Numbers

Catalog Number	Wattage	Light Source	Voltage (60 Hz)	Ballast Type	Refractor Type	Photometric Distribution
MSCL25S0A22FMC3	250	HPS	Multivolt	Auto-Regulator	Glass	MC3
MSCL40S0A22FMC3	400	HPS	Multivolt	Auto-Regulator	Glass	MC3

All GE suggested catalog ordering numbers come with PE receptacle. PE control must be ordered separately. Order and install SCCL-PECTL if no PE is desired. Multivolt ballasts can be for either 120, 208, 240, or 277 volt incoming power supply.

Product Dimensions



DATA	<ul style="list-style-type: none"> • Approximate Net Weight: 33-39 lbs (15-18 kgs) • Effective Projected Area: 1.1 sq. ft. max. (0.1 sq. M max.) • Suggested Mounting Height: 30-50 ft. (9-15 M)
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OLP2932 (Rev 01/17/17)