

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE

Ideal for lighting roadways, residential streets, storage areas, parking lots, shopping centers, apartment and condo complexes, campuses and parks. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

CONSTRUCTION

Die-cast trigger latch located on lower housing, enables easy opening with one hand for relamping and servicing. Large surface area "breathing-seal" polyester gasketing protects reflector and lens from contaminants; maintains maximum optical efficiency. Die-cast low copper aluminum alloy for light weight, strength and reliable service. Gray polyester powder paint finish is electrostatically applied for superior corrosion resistance. **Twist-lock photocontrol receptacle NOT included as standard (To order specify PER option, SEE BELOW)**

ELECTRICAL

Constant wattage autotransformer standard. Two- or three-position (L1, L2, N) tunnel type compression terminal block standard. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 175-400W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US.

OPTICAL SYSTEMS

Ovate refractor or full cut-off flat lens styles provide a choice of efficient light distributions for every application. Optics are computer designed for maximum performance. One-piece screw shell socket provides positive retention of lamp under vibration.

INSTALLATION

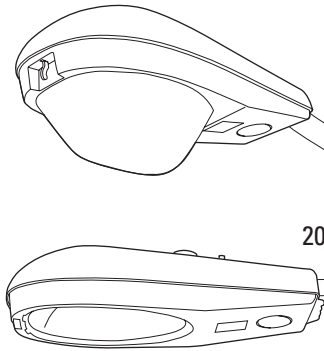
Four bolt mast arm mount for the most secure mounting in the industry.

LISTING

IP64 rated optical assembly. IP65 rating is available, see options. Standard product is NOT listed by UL, CSA or NOM.

Roadway Lighting

CHM



200-400W HIGH PRESSURE SODIUM
175-400W METAL HALIDE

Standard dimensions

(dimensions do not include mounting arm)

Flat lens EPA: 1.14 ft² (.11m²)

Drop lens EPA: 1.3 ft² (.12 m²)

Length: 31-1/2 (80.0)

Width: 14-3/4 (37.5)

Flat lens depth: 7-1/2 (19.1)

Drop lens depth: 14 (35.6)

Weight: 41 lbs. (18.6 kg)

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: CHM 400S R2 DLG 120 PER LPI

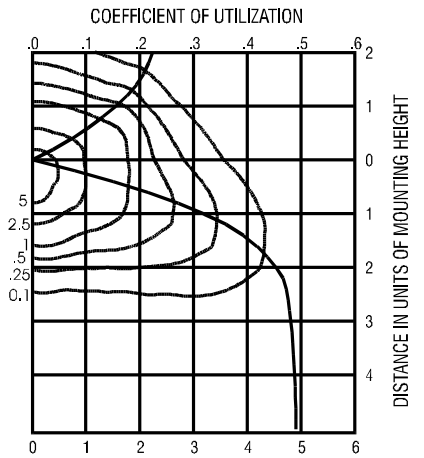
CHM		Voltage		Ballast		Options	
Series	Distribution						
CHM	R2 R3	120 208 240 277 480	TB ⁵ TB1 ⁵ TB2 ⁵ TB3 ⁵ L/E ⁶	(blank) Constant wattage autotransformer		Shipped installed in fixture	
Wattage/lamp source	Lens			RNP Reactor normal power factor ⁷		LPI Lamp included	T3P Terminal block-three position wired L1, N, L2
<u>High pressure sodium</u>	DLG Drop lens glass (standard)			RHP Reactor high power factor ^{4,7}		L/LP Less lamp	UL UL Listed ⁸
200S				50HZ 50 hertz		PER NEMA twist-lock receptacle only (photocontrol not included)	CSA CSA listed ⁸
250S	DLA Drop lens acrylic			MRB Mag Reg ballast		PEU NEMA twist-lock PE	INTL Available for MH probe start shipping outside the U.S.
310S				CWI CWI ballast		CF Charcoal filter	HSS Stainless steel external hardware
250/400S	DLP Drop lens polycarbonate ³			XHP High reactance (lag) high power factor ⁷		BLV Bubble level	LSA Single lightning surge arrestor ⁹
400S/250S				XNP High reactance (lag) normal power factor ⁷		2BM 2-bolt mounting	SF Single 5-amp fuse ⁹
400S	FL Flat tempered glass lens ³			NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.		OPS Open plug-in starter ⁴	DF Double 5-amp fuse ¹⁰
<u>Metal halide</u>	FLX Flat tempered glass lens, high performance ⁴			SCWA SCWA pulse-start		ENP Encapsulated plug-in starter ⁴	DBB Dark bronze finish
175M ^{1,2}	SLG Sag lens glass					DPL Distribution pattern label	DBL Black finish
250M ^{1,2}						T2P Terminal block-two position wired L1 L2	Shipped Separately ¹¹
250/400M ^{1,2}							SC Shorting cap for PER option
400/250M ^{1,2}							
320M ²							
350M ^{2,12}							
400M ^{1,12}							

NOTES:

- May be ordered with SCWA.
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- 250-watt max MH 400-watt max HPS
- HPS only.
- Optional multi-tap ballast (120, 208, 240, 277V). TB prepwired to 277V. Others are: 1=120V; 2=208V; 3=240V.
- Shipped without ballast/electrical components.
- For 250S, only 208V or 240V are available with these ballast options.
- Consult factory.
- Available in 120 and 277 volt only.
- Available in 208, 240, 480 volt only.
- May be ordered as an accessory
- These wattages do not comply with California Title 20 regulations..

CHM High Pressure Sodium and Metal Halide Roadway Lighting

CHM/CHMD 400S R3 DLG Test No. LTL9852



400W High Pressure Sodium lamp, 50000 rated lumens. Footcandle values based on 35' mounting height, Distribution R3, cutoff.