

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE

Ideal for lighting roadways, residential streets, storage areas, parking lots, 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 for 70S and up, and 175M and up. 50S must be ordered with a RHP, RNP or XHP ballast. 150M must be ordered with an XHP, XNP or SCWA ballast. 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 175-250W (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

Two-bolt mast-arm mount with integral stepped leveling system provides secure mounting and ease of leveling.

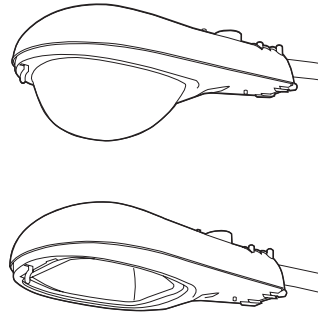
LISTING

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

Roadway Lighting

CHL

50-250W HIGH PRESSURE SODIUM
150-250W METAL HALIDE



Standard dimensions

(dimensions do not include mounting arm)

Flat Lens EPA: .74 ft² (.07m²)

Drop Lens EPA: .90 ft² (.08 m²)

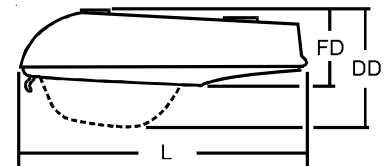
Length: 27 (66.6)

Width: 13 (33.0)

Flat Lens Depth: 6-1/2 (16.5)

Drop Lens Depth: 10-1/8 (25.7)

Weight: 29 lbs. (13.2 kg)



All dimensions are inches (centimeters) unless otherwise noted.

ORDERING INFORMATION

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

Example: CHL 150S R2 DLG 120 PER LPI

CHL								Options	
Series	Distribution	Voltage	Ballast						
CHL	R2 R3	120 208 240 277 480	(blank) Standard ballast (see above) RNP Reactor normal power factor ⁷ RHP Reactor high power factor ⁷ 50HZ 50 hertz. MRB Mag reg ballast CWI CWI ballast CWA Constant wattage autotransformer XHP High reactance (lag) high power factor ⁷ XNP High reactance (lag) normal power factor ⁷						
Wattage/lamp source	Lens	TB ^{3,4} TB ^{3,4} TB ^{3,4} L/E ⁵							
High pressure sodium	DLG Drop lens glass (standard) DLA Drop lens acrylic DLP Drop lens polycarbonate ¹ FL Flat tempered glass lens ² FLX Flat tempered glass lens, high performance ² SLG Sag lens glass								
50S 70S 100S 150S 250S 100/150S 150/100S									
Metal halide									
150M 175M 250M									
				NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA. SCWA SCWA pulse-start					
				<u>Shipped installed in fixture</u> LPI Lamp included L/LP Less lamp PER NEMA twist-lock receptacle only (photocontrol not included) PEU NEMA twist-lock PE CF Charcoal filter BLV Bubble level 4BM 4-bolt mounting 2EF External fitter (2-bolt only) MA2 2-bolt internal 2" pipe setting OPS Open plug-in starter ⁷ ENP Encapsulated plug-in starter ⁷ DPL Distribution pattern label		T2P Terminal block-two position wired L1 L2 T3P Terminal block-three position wired L1, N, L2 UL UL Listed ⁸ CSA CSA listed ⁸ INTL Available for MH probe start shipping outside the U.S. HSS Stainless steel external hardware LSA Single lightning surge arrester ⁹ SF Single fuse ⁹ DF Double fuse ¹⁰ DDB Dark bronze finish DBL Black finish <u>Shipped separately</u> ¹¹ SC Shorting cap for PER option			

NOTES:

- 150S, 175M max.
- HPS only. 150-watt max with R3. 250-watt max with R2.
- Optional multi-tap ballast (120, 208, 240, 277V). TB prewired to 277V. Others are: 1=120V; 2=208V; 3=240V.
- N/A with RNP or RHP.
- Shipped without ballast/electrical components.
- Pulse start MH only.
- For 250S, only 208V and 240V are available with these ballast options.
- Consult factory.
- 120, 277V only. Not available in TB.
- 208, 240, 480V only. Not available in TB.
- May be ordered as an accessory.

