

FEATURES & SPECIFICATIONS

INTENDED USE — Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast, top-access doorframe has impact-resistant, tempered, glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone. U.S. Patent No. D553,779.

FINISH: Standard finish is dark bronze corrosion-resistant polyester powder finish. Other architectural colors are available.

OPTICAL SYSTEM — MIRO[®] finish, segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fastener and are rotatable and interchangeable in 90-degree increments. Reflector tray accommodates an additional 15-degree slide adjustment to fine-tune light distribution. Four full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV sharp cutoff (forward throw) and Type V (symmetric square).

ELECTRICAL SYSTEM — 50W-150W utilizes a high-reactance, high-power-factor ballast. 175W metal halide utilizes a constant-wattage auto transformer ballast. CSA, NOM or INTL required for probe start shipments outside of the US for 175M. Not available with 175M SCWA. Ballasts are 100% factory tested. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired.

Socket: Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact.

INSTALLATION — Post top mounts to a 4" OD open pole top (round pole only).

LISTING — Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards (see Options). NOM Certified (see Options).

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



Specifications

Fixture height: 6-3/8 (16.2)

Overall height: 32 (81.3)

Dia: 18 (45.7)

*Weight: 33 lbs (15.0 kg)

EPA: 1.125 ft²

All dimensions are inches (centimeters) unless otherwise specified.

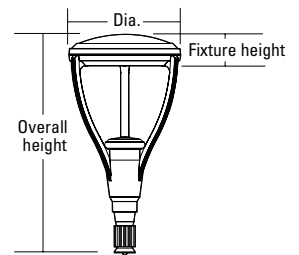
*Weight as configured in example below.



Architectural Area & Roadway Lighting

MRP

METAL HALIDE 70W-175W
HIGH PRESSURE SODIUM 50W - 150W



ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: MRP 150M SR3 TB LPI

| MRP | Wattage | | | Distribution | Voltage | Ballast | Mounting |
|------------|---------------------|---|-----------------------------|---|---|--|--|
| MRP | Metal halide | Ceramic metal halide³ | High pressure sodium | SR2 Segmented type II roadway | 120 208 ⁴ | (blank) Magnetic CWI Constant wattage isolated | Shipped included (blank) 4" round open-top pole |
| | 70M ¹ | 70MHC ¹ | 50S | SR3 Segmented type III asymmetric | 240 ⁴ | Pulse Start <small>MRP Ballast Technology System</small> | Optional mounting; shipped separately^{8,9} |
| | 100M | 100MHC | 70S | SR4SC Segmented type IV forward throw, sharp cutoff | 277 347 480 ⁴ | SCWA Super CWA pulse start ballast ⁷ | MRPT20 MRP tenon slipfitter or 2-2/8" tenon |
| | 150M | 150MHC | 100S | SR5S Segmented type V symmetric square | TB⁵ 23050HZ ⁶ | Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA. | MRPT25 MRP tenon slipfitter for 2-7/8" tenon |
| | 175M ² | 150MHC | 150S | | | | MRPT30 MRP tenon slipfitter for 3-1/2" tenon |
| | | | | | | | MRPT35 MRP tenon slipfitter 4" tenon |
| | | | | | | | MRPF3 MRP pole adaptor for 3" round, open-top pole |
| | | | | | | | MRPF5 MRP pole adaptor for 5" round, open-top pole ¹⁰ |

| Options | | Shipped separately ⁵ | Finish ¹⁶ | Lamp ¹⁷ |
|---|---|---|----------------------------------|--------------------------|
| Shipped installed in fixture | QRS Quartz restrrike system ^{12,13} | PE1 NEMA twist-lock PE (120, 208, 240V) | (blank) Dark bronze | LPI Lamp included |
| SF Single fuse (120, 277, 347V) ^{11,12} | HS Houseside shield ¹⁴ | PE3 NEMA twist-lock PE (347V) | DBL Black | L/LP Less lamp |
| DF Double fuse (208, 240, 480V) ^{11,12} | CSA Listed and labeled to comply with Canadian Standards | PE4 NEMA twist-lock PE (480V) | DGC Charcoal gray | |
| EC Emergency circuit ^{12,13} | NOM NOM certified ⁶ | PE7 NEMA twist-lock PE (277V) | DMB Medium bronze | |
| PER NEMA twist-lock receptacle only (no photocell) | INTL International shipment for 175M | SC Shorting cap for PER option | DWH White | |
| | | VG Vandal guard ¹⁵ | DNA Natural aluminum | |
| | | | CR Corrosion-resistant finish | |
| | | | CRT Non-stick protective coating | |

Notes

- Not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- Not available with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada).
- Consult factory for available wattage.
- Available with 150M or 150MHC only.

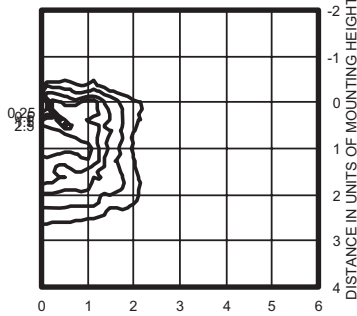
- May be ordered as an accessory.
- Must specify finish when ordered as an accessory.
- Maximum wall thickness is 0.156".
- Must specify voltage. Not available with TB.
- EC, SF, DF or QRS options cannot be ordered together.
- Maximum allowable wattage lamp included.
- Order MR1SR2/3HS U as an accessory.
- Order MR1VG as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Must be specified.



Consistent with LEED[®] goals & Green Globes[™] criteria for light pollution reduction

MRP 150 MHC SR4SC TEST NO: LTL15726

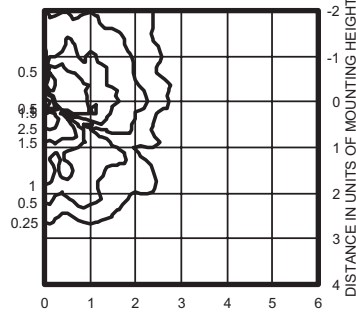
ISOILLUMINANCE PLOT (Footcandle)



175W lamp, rated 13500 lumens.
Footcandle values based on 20' mounting height.
Classification: Type III, Short, Cutoff

MRP 150MHC SR5S TEST NO: LTL15729

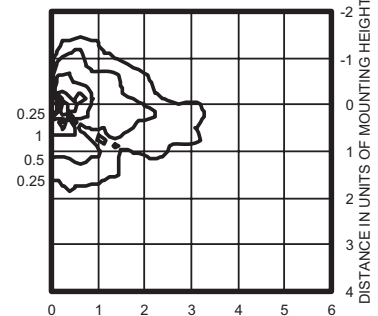
ISOILLUMINANCE PLOT (Footcandle)



175W lamp, rated 13500 lumens.
Footcandle values based on 20' mounting height.
Classification: Type IV, Short, Cutoff

MRP 70M SR2 TEST NO: LTL15720

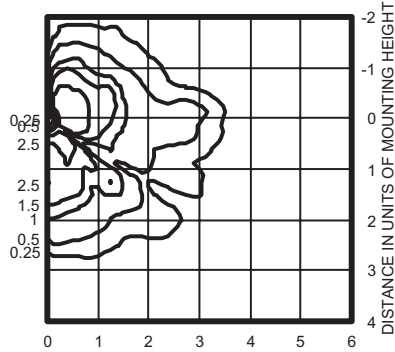
ISOILLUMINANCE PLOT (Footcandle)



70W lamp, rated 6000 lumens.
Footcandle values based on 20' mounting height.
Classification: Type II, Medium, Cutoff

MRP 150S SR3 TEST NO: LTL15725

ISOILLUMINANCE PLOT (Footcandle)



150W lamp, rated 16000 lumens.
Footcandle values based on 20' mounting height.
Classification: Type III, Medium, Cutoff

Notes

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting web site (www.lithonia.com).
- 2 For electrical characteristics consult outdoor technical data specification sheets on www.lithonia.com.
- 3 Tested to current IESNA and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current data and are subject to change.