



Project:

Type:

Catalog #:

Prepared by:

Date:

Notes:

Applications Include

Residential streets, driveways and entranceways.

Specification Features

Construction

The die-cast aluminum construction provides both durability and superior heat management. The uniquely shaped housing manages the heat of the LED array through external cooling fins integrated above the diodes. The wet location rated construction features tool-less entry via slotted thumb screws for easy installation. The power door with quick driver disconnects allows for quick and easy driver replacement in the field. The IP65 rated optical compartment completely seals the LED array from the intrusion of water, insects and dust in harsh outdoor environments and allows routine maintenance and cleaning. Silicone gaskets and a UV stabilized acrylic lens ensure long life and consistent performance over time.

Mounting

The internal mount accepts 1-3/4" (44.5 mm) to 2-3/8" (60.3 mm) O.D. mounting arms and a 2-bolt clamping mechanism secures the arm to the luminaire. Cast-in leveling guides provide 2.5° step increments for +/-5° vertical leveling adjustment. Arm mount assemblies are also available for mounting to round or square poles. Captive screws and dual bubble levels are standard features. A terminal block is also standard for easy wiring in any application.

Optics

The luminaire provides IES Type II Medium and III Medium distribution patterns. The one-piece UV stabilized acrylic optic seals the LED board, protecting it from water and dirt ingress, to provide long life and consistent performance throughout the lifetime of the luminaire.

Electrical

Separate electrical and optical chambers protect components from overheating and maintains operating efficiency. The LED driver features 0-10VDC dimming and mounts to the die-cast aluminum door for optimal heat management. A replaceable surge protector is built to withstand 10kV/10kA of transient line surge. A 7-pin NEMA photocell receptacle for optional wireless control is standard. Shorting cap provided. The GR Series LED Streetlight is suitable in -40°C to 50°C ambient conditions.

Finish

EYE Lighting utilizes a multi-stage cleaning, pretreatment and chemical conversion coating process. A durable polyester powdercoat is then electrostatically applied to a 2 to 3 mil thickness. This process ensures protection from impact, UV and salt spray damage.

Warranty

5 Year Limited LED Luminaire Warranty to the original purchaser that the luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the fixture, LED driver and LEDs when installed and operated according to manufacturer's instructions. See EYE Lighting's full Warranty and Terms & Conditions of Sale at www.eyelighting.com.

Listings and Ratings

UL Listed in the U.S.A. and Canada to U.L. 1598 wet location standards. IP65 rated optics. Tested to IESNA LM-79-08 test standards at 25°C ambient. IES files are available at www.eyelighting.com.



Intertek

Optics

Bridges + Overpasses

* Consult factory for recognized products

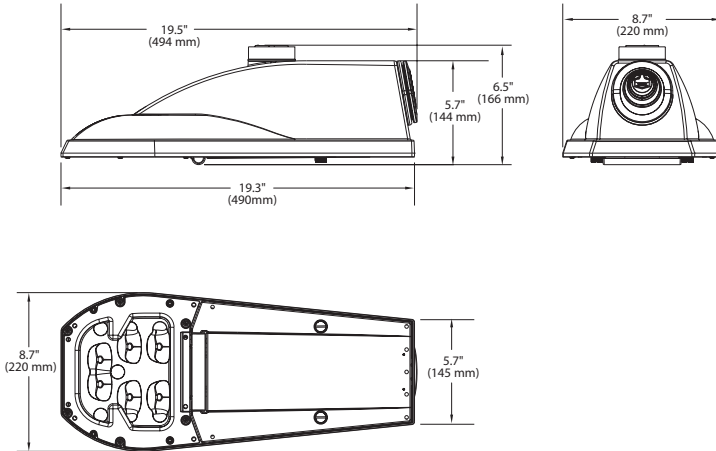
**Check the latest update at www.DesignLights.org for listed product catalog numbers. Not all versions are listed.

Order Guide

SAMPLE NUMBER : GR1-L4-740-2M-U-010-SV-TR-E1S1

| FAMILY | LUMENS | CRI | CCT | DISTRIBUTION | VOLTAGE | DIMMING | FINISH | ACCESS | PHOTOCELL RECEPTACLE | WIRING | SURGE PROTECTION |
|--------|------------------------|---------------|---|---|-----------------|-------------------|----------------|-------------------------|---|---|------------------------|
| GR1 | L4 | 7 | | | U | 010 | SV | T | R | E1 | S1 |
| GR1 | L4 = 4,500 @ 41W | 7 = 70 CRI | 30 = 3000K 40 = 4000K 50 = 5000K | 2M = Type II Medium 3M = Type III Medium | U = 120-277V | 010 = 0-10V DC | SV = Silver | T = Tool- Less Entry | R = 7-Pin Photocell Receptacle | E1 = Terminal Block #2 - #14 AWG | S1 = Standard Surge |














Dimensions



Weight 10.4 LBS. (4.7 KG)
EPA .54 ft² (0.05 m²)

Accessories (Ordered Separately)

(please refer to the individual spec sheet for ordering information, other finishes available)

-  **MAPWM1-15-SV-FS-06⁴**
Flat Mount 2-3/8" O.D. Arm Assembly (Square Pole or Wall Mount)
-  **MARPC1-15-SV-30-02⁴**
Coped Mount 2-3/8" O.D. Arm Assembly (Round Pole)⁵
-  **VSR100-18-SV-23⁵**
Single 2-3/8" O.D. Arm Tenon Adapter (Round Pole)⁶
-  **VSR218-18-SV-23⁵**
(2) 2-3/8" O.D. Arms @ 180° Tenon Adapter (Round Pole)⁶
-  **VSR290-18-SV-23⁵**
(2) 2-3/8" O.D. Arms @ 90° Tenon Adapter (Round Pole)⁶
-  **VSR312-18-SV-23⁵**
(3) 2-3/8" O.D. Arms @ 120° Tenon Adapter (Round Pole)⁶
-  **VSR390-18-SV-23⁵**
(3) 2-3/8" O.D. Arms @ 90° Tenon Adapter (Round Pole)⁶
-  **VSR490-18-SV-23⁵**
(4) 2-3/8" O.D. Arms @ 90° Tenon Adapter (Round Pole)⁶
-  **VSS100-18-SV-40-011⁵**
Single 2-3/8" O.D. Arm Pole Adapter (Square Pole)⁷
-  **VSS218-18-SV-40-011⁵**
(2) 2-3/8" O.D. Arms @ 180° Pole Adapter (Square Pole)⁷
-  **VSS290-18-SV-40-011⁵**
(2) 2-3/8" O.D. Arms @ 90° Pole Adapter (Square Pole)⁷
-  **VSS390-18-SV-40-011⁵**
(3) 2-3/8" O.D. Arms @ 90° Pole Adapter (Square Pole)⁷
-  **VSS490-18-SV-40-011⁵**
(4) 2-3/8" O.D. Arms @ 90° Pole Adapter (Square Pole)⁷

⁴ Custom arm lengths from 6" to 15" available
⁵ Custom arm lengths from 9" to 18" available

⁶ Existing pole or tenon O.D. must be specified
⁷ Existing pole O.D. and wall thickness must be specified

EYESHORT Shorting Cap (provided)

Performance Data

Wattage Summary

| Model | LED Qty. | Drive Current | Luminaire Wattage | Average Lumens | Lumen Maintenance (L70 At 25°C) | |
|-------|----------|---------------|-------------------|----------------|---------------------------------|--------------|
| L4 | 6 | 1050 mA | 41 | 4,300 | 152,000 hrs. | 130,000 hrs. |

Ambient Data

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 15°C | 1.02 |
| 25°C | 1.00 |
| 40°C | 0.97 |
| 50°C | 0.96 |

Photometric Data

GR1-L4-730-2M-U-010-SV-TR-E1S1
 System Wattage = 42 Lumens = 3,909
 Color Temperature = 3000K Distribution = Type IIM

Optical Height = 20' (6.1 m) Grid Spacing = 20' (6.1 m)

GR1-L4-740-2M-U-010-SV-TR-E1S1
 System Wattage = 41 Lumens = 4,430
 Color Temperature = 4000K Distribution = Type IIM

Optical Height = 20' (6.1 m) Grid Spacing = 20' (6.1 m)

GR1-L4-750-2M-U-010-SV-TR-E1S1
 System Wattage = 41 Lumens = 4,618
 Color Temperature = 5000K Distribution = Type IIM

Optical Height = 20' (6.1 m) Grid Spacing = 20' (6.1 m)

GR1-L4-750-3M-U-010-SV-TR-E1S1
 System Wattage = 42 Lumens = 4,732
 Color Temperature = 5000K Distribution = Type IIM

Optical Height = 20' (6.1 m) Grid Spacing = 20' (6.1 m)

- Results may vary from test due to power, ambient conditions and individual component performance variations
- Data is provided to estimate typical performance
- Engineering estimates and data based on initial absolute lumens
- Lumen output may vary 10% due to LED manufacturer flux specification

- Predicted performance calculated from LED manufacturer data and engineering estimates based on test methodologies of IESNA LM-80, LM-79 and TM-21
- L70 Hours is the predicted time when LED performance depreciates to 70% of initial lumen output
- EYE Lighting reserves the right to change materials or modify the design of its product without notification

- Consult factory for lead-time and availability
- Other modes of failure could occur after the 60,000 hour period
- Reference photometric data sheet for lumen levels based on color temperature and distribution type

EYE Lighting International of North America, Inc.

a division of Iwasaki Electric of Japan

9150 Hendricks Road
 Mentor, Ohio 44060

Tel: (888) 665-2677
 Fax: (440) 350-7001

www.eyelighting.com