

Merak Series LED Roadway Street Light

LED Roadway Streetlight



Our Merak Series energy saving LED Roadway Street Light utilizes LM-80 LEDs to ensure long life and high thermal endurance. The Merak fixture comes with a shorting photocell receptacle cap that allows for optional NEMA photocells. This very low EPA fixture also features a high impact lens over a series of LED modules, sealed in a durable aluminum die cast housing.

FEATURES:

- Durable, die-cast aluminum housing
- Sealed high impact polycarbonate lens
- Stainless steel latches for tool-less maintenance
- Sustainable LED module arrays, each with an independent heat sink
- Types I through IV distributions
- Available in NEMA photocell-ready configuration
- Universal (120 to 277) volt operation with no re-strike delay; 347- and 480-volt models available by custom order
- Precise aiming with mast installation toggle and arm sleeve pivots
- 10 Kv surge protection and dimmable
- IP66 rating

CONSTRUCTION:

- Optics are designed to reduce glare
- Aluminum die cast 6082 alloy
- Corrosion resistant polyester powdercoat finish
- High shock and vibration resistance
- 5 year limited warranty

| |
|----------------|
| PROJECT NAME |
| CATALOG NUMBER |
| NOTES |
| FIXTURE TYPE |



Photocell shown for reference only, not included



MERAK ROADWAY ORDERING

TYPICAL ORDER EXAMPLE: MELR120U350

| Series | Technology | Type | Wattage | Voltage | Distribution | CCT | Finish* | Photo-control |
|------------|------------|--------------------------|---|--|---|------------|---|-------------------------------|
| ME = Merak | L = LED | R = Roadway Street Light | 30 = 30W; 2550 lm 60 = 60W; 5380 lm 90 = 90W; 7930 lm 120 = 120W; 10570 lm 150 = 150W; 13200 lm 180 = 180W; 15860 lm 210 = 210W; 18500 lm 240 = 240W; 21000 lm 270 = 270W; 23760 lm 300 = 300W; 26400 lm | U = 120-277V 3* = 347V 4* = 480V | 1 = Type I 2 = Type II 3 = Type III | 50 = 5000K | Blank = Standard Gray Finish B = Bronze BL = Black W = White | PC = Photo-control Receptacle |

MAX12114

*For 347V and 480V special order only, contact MaxLite for MOQ

When ordering beam type, add 1, 2 or 3 for IES beam type to end of model number as indicated

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SPECIFICATIONS:

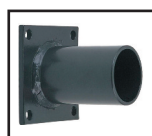
| Item | Specification | Details |
|---------------------|-------------------------|--|
| General Performance | Spacing Criteria | Available upon request |
| | Color Temperature (CCT) | 5000K |
| | Lumens | As noted on pg. 1 |
| | Efficacy | See pg. 1 |
| | Beam Type Avail. | Type I, II or III |
| | CRI | >75 |
| | Lumen Maintenance (L70) | 60,500 hours |
| Electrical | Power Factor | Over 96% @120v |
| | Input Voltage | 120V-277V 50/60 Hz |
| | Power Consumption | See pg. 1 for nominal |
| | Input Current | 700MA |
| | Working Voltage | DC 53-210V |
| Physical | Dimensions | See chart below |
| | Weight | See chart below |
| | Housing | Aluminum die cast, extruded alum rails |
| | Lens | Polycarbonate X 2.3 mm thick |
| | Mounting | 1.96-2.36 in. pipe (50mm-60mm) |
| | Mounting Heights | 15-80FT |
| | Operating Temperature | -40°C~50°C |
| | Humidity | 10% - 95% RH, non condensing |
| Certification | Certification | cULus, FCC, LM79, LM80 |
| | Material Usage | RoHS compliant; no mercury |
| | Environment | Outdoor / IP66 |
| | Warranty | 5 years |

| Model | Fixture Weight Lbs. (Kg) | Fixture Equivalent | EPA (Sq. Ft.) | Dimensions L" x W" x H" |
|-------------|--------------------------|--------------------|---------------|-------------------------|
| MELR30Ux50 | 10.8 (4.9) | 70W HPS/MH | 1.17 | 19.8" x 13.6" x 4" |
| MELR60Ux50 | 13.9 (6.3) | 100-150W HPS/MH | 1.31 | 22.2" x 13.6" x 4" |
| MELR90Ux50 | 16.9 (7.7) | 175-250W HPS/MH | 1.45 | 24.6" x 13.6" x 4" |
| MELR120Ux50 | 20 (9.1) | 250W HPS/MH | 1.59 | 27.1" x 13.6" x 4" |
| MELR150Ux50 | 23.1 (10.5) | 300-400W HPS/MH | 1.72 | 29.5" x 13.6" x 4" |
| MELR180Ux50 | 24.2 (11) | 400W HPS/MH | 1.86 | 31.9" x 13.6" x 4" |
| MELR210Ux50 | 25.3 (11.5) | 500-600W HPS/MH | 2.01 | 34.4" x 13.6" x 4" |
| MELR240Ux50 | 26.4 (12) | 600W HPS/MH | 2.21 | 36.9" x 13.6" x 4" |
| MELR270Ux50 | 30.6 (13.9) | 750W HPS/MH | 2.34 | 39.3" x 13.6" x 4" |
| MELR300Ux50 | 32.3 (14.6) | 750-1000W HPS/MH | 2.48 | 41.7" x 13.6" x 4" |

ACCESSORIES:



6390LBK



WMB1HBZ

A wide assortment of mounting accessories are available.

