MODULAR - STREET/ROADWAY LIGHT FIXTURES

LED M4

GENERAL DESCRIPTION
Neptun's Modular LED Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-89 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 400W.

APPLICATION
- Street Lighting
- Pathway Lighting
- Parking Lot Lighting
- Security Lighting
- Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing with excellent thermal management.
- Corrosion resistant polyester powder finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Tool-Less entry housing for easy installation and maintenance.
- Internal Bubble Level for easy installation.
- Optional NEMA Twistlock Photocell for increased energy savings.
- High Output COB LED’s with borocilicate glass lens optics.
- High power factor, low THD driver with 6kV/3kA surge protection.
- Optional 20kV/10kA surge protector available.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED’s, Driver, & Housing)
- Optional: 0-10V Dimming, Bi-Level Dimming, Wi-Fi Control, Remote Monitoring and ON/OFF Control

ORDERING INFORMATION

Sample Number: LED-89140-M4-UNV-0-10VDIM-850-LD-T2-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Options</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Optics</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-89</td>
<td>Modular</td>
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<tr>
<td>140-M4</td>
<td>140 W</td>
<td>UNV</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>830 = 3000°K</td>
<td>LD = NEMA Twist-Lock Photocell &amp; Receptical</td>
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<tr>
<td>150-M4</td>
<td>150 W</td>
<td>347 V</td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>835 = 3500°K</td>
<td>LDR-3P = 3-Pin Photocell Receptical</td>
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<tr>
<td>160-M4</td>
<td>160 W</td>
<td>480 V</td>
<td>* Includes Motion Sensor</td>
<td>841 = 4100°K</td>
<td>LDR-7P = 7-Pin Photocell Receptical</td>
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<tr>
<td></td>
<td></td>
<td>140-277 V</td>
<td>* Contact Factory for dimming options</td>
<td>850 = 5000°K</td>
<td>MD = Motion Sensor ON/OFF</td>
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<td></td>
<td>SP = 20kV/10kA surge protector</td>
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<td></td>
<td></td>
<td>HSGS = House Side glare shield</td>
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<td></td>
<td></td>
<td>LGN = Light Genie Node *</td>
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<td>* Contact factory for product Information</td>
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<td></td>
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<td>GRY = Grey *</td>
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<td></td>
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<td>BRZ = Bronze</td>
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<td>* Custom Colors Available</td>
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</table>

Incredible 100,000 hrs
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Delivered Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp)</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>LED-89140-M4-UNV</td>
<td>LED Roadway Fixture</td>
<td>140</td>
<td>142</td>
<td>16,800</td>
<td>120-277</td>
<td>1.22 - 0.53</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-89140-M4-UNV</td>
<td>LED Roadway Fixture</td>
<td>150</td>
<td>152</td>
<td>18,000</td>
<td>120-277</td>
<td>1.31 - 0.56</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>35 lbs</td>
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<tr>
<td>LED-89160-M4-UNV</td>
<td>LED Roadway Fixture</td>
<td>160</td>
<td>162</td>
<td>19,200</td>
<td>120-277</td>
<td>1.39 - 0.60</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Driver: Constant Current
- Start Method: InstantON
- Hot Re-start: InstantON
- Power Supply: 350mA
- Driver UL Rating: Class 1
- Driver UL Outdoor Rated: Wet Location
- Sound Rating: Class A
- ANSI Surge Protection: IEEE C62.41 C High
- Current Crest Factor: 1.5 maximum
- Load Regulation: 5% output current variation across load range
- Line Regulation: 1% output voltage variation across voltage range
- Driver Off-State Draw: 0 Watts
- Vibration Compliance: 3G
- Universal Input Line Voltage: 120-277 VAC
- Input Line Frequency: 50/60 Hz
- Projected (L70) @ 25°C: > 100,000 hrs.
- Color Temperature: Multiple
- Color Rendering Index (CRI): > 80
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: +50°C
- Lumens per Watt: > 100
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.90
- Total Harmonic Distortion: < 20%
- Inrush Current Peak: < 10 Amp
- FCC Compliance: Part 15, Subp. C
- EPA Rating: 0.70 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year
- Driver Off - State Draw: 0 Watts
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MOUNTING OPTIONS

Accepts 1-1/4” - 2-3/4” O.D. Tenon or Pipe

(2) Mounting Clamps
(4) Stainless Steel Fastening Bolts

PHOTOMETRICS (See Complete IES File)

Neptun Light, Inc. reserves the right to change materials or modify the design of its product without notification as part of the company’s continuing product improvement program.

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