# 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 175W.

## 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, DC 24V Operation - Solar Compatible

# ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Sample Number: LED-89050-M2-UNV-0-10VDIM-850-LD-T2-GRY</th>
<th>Custom options and accessories available. Please consult factory</th>
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<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>
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<tbody>
<tr>
<td><strong>LED-89</strong></td>
<td><strong>050-M2</strong></td>
<td>50 W</td>
<td><strong>UNV</strong></td>
<td><strong>0-10VDIM</strong></td>
<td>0-10V Dimming</td>
<td><strong>BL-DIM</strong></td>
<td><strong>0-10VDIM</strong></td>
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<td><strong>060-M2</strong></td>
<td>60 W</td>
<td><strong>UNV</strong></td>
<td><strong>0-10VDIM</strong></td>
<td>Bi-Level Dimming *</td>
<td>* Includes Motion Sensor * Contact Factory for dimming options</td>
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<td><strong>080-M2</strong></td>
<td>80 W</td>
<td><strong>UNV</strong></td>
<td><strong>0-10VDIM</strong></td>
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<td>347 VAC</td>
<td><strong>347V</strong></td>
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<td>3500°K</td>
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<td>4100°K</td>
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<td>NEMA Twist-Lock Photocell &amp; Receptical</td>
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* Contact factory for product Information

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**AVAILABLE**

service@neptunlight.com www.NeptunLight.com 888.735.8330
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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<tr>
<td>LED-89050-M2-UNV</td>
<td>LED Street Light</td>
<td>50</td>
<td>52</td>
<td>6,000</td>
<td>120-277</td>
<td>0.43 - 0.18</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<td>LED Street Light</td>
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<td>&gt;0.90</td>
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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: 0.58 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year
- 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: 0.58 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

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)

Horizontal Footcandles
Scale: 1 Hash = 30 Ft
Light Loss Factor = 1.00
Total Lamp Lumens = 9102.32
Mounting Height = 25.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 2.65 Fc
Arrangement: Single

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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