PRODUCT DATA SHEETS
LED Street & Tunnel Lighting
GENERAL DESCRIPTION
Neptun's LED street light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-882 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The high output LED's and custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS Street Light fixtures up to 175W.

APPLICATION
· Street Lighting
· Walkway Lighting
· Area Lighting
· Security Lighting

STRUCTURE, MATERIALS, & FEATURES
· Heavy-gauge, die-cast aluminum housing with concealed cooling fins.
· Corrosion resistant electrocoat finish (custom colors available).
· Slim, state of the art, low profile design for minimum wind load resistance.
· Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
· Continuous silicone gasket surrounds lens for IP68 weather tight seal.
· Optional NEMA Twistlock photocell for increased energy savings.
· Tool-Less entry housing for easy maintenance and installation.
· High output COB LED's.
· Driver with built in Neptun Surge Protective Device (NSPD) protects single phase protection for Line/Neutral, Line/Neutral, and Neutral/Neutral in accordance with IEEE C62.41 C High (10kV & 10kA).
· 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>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Options</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-882 = Street Light</td>
<td>040-L2 = 40 W</td>
<td>UNV = 120-277 VAC</td>
<td>0-10VDim = 0-10V Dimming</td>
<td>835 = 3500°K</td>
<td>GRY = Grey</td>
<td>11.75”</td>
</tr>
<tr>
<td></td>
<td>050-L2 = 50 W</td>
<td>347V = 347 VAC</td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>841 = 4100°K</td>
<td>BRZ = Bronze</td>
<td>24.50”</td>
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<tr>
<td></td>
<td>060-L2 = 60 W</td>
<td>480V = 480 VAC</td>
<td>Includes Motion Sensor</td>
<td>850 = 5000°K *</td>
<td>* Custom Colors Available</td>
<td>6.00”</td>
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</tbody>
</table>
|        | 24VDC = 24 VDC | 24VDC = 24 VDC | ** Contact factory for dimming options | * Standard | ** Contact factory for product information | ** AVAILABLE **

Sample Number: LED-882040-L2-UNV-0-10VDim-850-LD-GRY
Custom options and accessories available. Please consult factory

lightinnovations@work™

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>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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<td>LED-882040-L2-UNV</td>
<td>Street Light Fixture</td>
<td>40</td>
<td>42</td>
<td>4,000</td>
<td>120-277</td>
<td>0.34 - 0.15</td>
<td>&lt;20%</td>
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<td>18 lbs</td>
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<td>LED-882050-L2-UNV</td>
<td>Street Light Fixture</td>
<td>50</td>
<td>52</td>
<td>5,000</td>
<td>120-277</td>
<td>0.43 - 0.18</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
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<tr>
<td>LED-882060-L2-UNV</td>
<td>Street Light Fixture</td>
<td>60</td>
<td>62</td>
<td>6,000</td>
<td>120-277</td>
<td>0.52 - 0.22</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 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 ............................... 5,000°K
- 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%<br>Nr. Current Peak ................................. < 10 Amp
- FCC Compliance .................................. Part 15, Subp. C
- EPA Rating ....................................... 1.00 ft.²
- Housing IP Rating ............................... IP65
- Driver IP Rating .................................. IP67
- Optics IP Rating .................................. IP68
- Warranty ......................................... 10 Year

MOUNTING OPTIONS

Adjustable Slip Fitter

Accepts 1-1/4" - 2-3/8" O.D. Tenon or Pipe

PHOTOMETRICS (See Complete IES File)

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Spec. Rev. 4-2015
GENERAL DESCRIPTION
Neptun's LED street light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-882 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The High output LED's and custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS Street Light fixtures up to 250W.

APPLICATION
- Street Lighting
- Walkway Lighting
- Area Lighting
- Security Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing with concealed cooling fins.
- Corrosion resistant electrocoat finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Tool-Less entry housing for easy maintenance and installation.
- High Output COB LED’s.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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
Sample Number: LED-882070-L3-UNV-0-10VDIM-850-LD-GRY
Custom options and accessories available. Please consult factory
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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<td>LED-882070-L3-UNV</td>
<td>Street Light Fixture</td>
<td>70</td>
<td>72</td>
<td>7,000</td>
<td>120-277</td>
<td>0.61 - 0.26</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
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<tr>
<td>LED-882080-L3-UNV</td>
<td>Street Light Fixture</td>
<td>80</td>
<td>82</td>
<td>8,000</td>
<td>120-277</td>
<td>0.69 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
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<tr>
<td>LED-882090-L3-UNV</td>
<td>Street Light Fixture</td>
<td>90</td>
<td>92</td>
<td>9,000</td>
<td>120-277</td>
<td>0.78 - 0.34</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

MOUNTING OPTIONS

Adjustable Slip Fitter
Accepts 1-1/4” - 2-3/8” O.D. Tenon or Pipe

PHOTOMETRICS (See Complete IES File)
GENERAL DESCRIPTION
Neptun’s LED street light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-882 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The high output LED’s and custom designed optics provide excellent uniformity and efficiency. It can replace existing HID & HPS Street Light fixtures up to 250W.

APPLICATION
- Street Lighting
- Walkway Lighting
- Area Lighting
- Security Lighting

ORDERING INFORMATION
Sample Number: LED-882100-L4-UNV-0-10VDIM-850-LD-GRY
Custom options and accessories available. Please consult factory

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<th>Series</th>
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<th>Voltage</th>
<th>Options</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>LED-882</td>
<td>Street Light</td>
<td>100-L4 = 100 W, 110-L4 = 110 W, 120-L4 = 120 W</td>
<td>UNV = 120-277 VAC, 347V = 347 VAC, 480V = 480 VAC, 24VDC = 24 VDC</td>
<td>0-10VDIM = 0-10V Dimming, BL-DIM = Bi-Level Dimming *, * Includes Motion Sensor, ** Contact factory for dimming options</td>
<td>835 = 3500°K, 841 = 4100°K, 850 = 5000°K *, * Standard</td>
<td>GRY = Grey, BRZ = Bronze, Custom Colors Available</td>
</tr>
</tbody>
</table>

| Light Innovations @ Work™ |

service@neptunlight.com  www.NeptunLight.com  888.735.8330
PRODUCT INFORMATION

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<th>Max Line Current (Amp)</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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<td>LED-882100-L4-UNV</td>
<td>Street Light Fixture</td>
<td>100</td>
<td>102</td>
<td>10,000</td>
<td>120-277</td>
<td>0.52 - 0.22</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<td>LED-882110-L4-UNV</td>
<td>Street Light Fixture</td>
<td>110</td>
<td>112</td>
<td>11,000</td>
<td>120-277</td>
<td>0.61 - 0.26</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-882120-L4-UNV</td>
<td>Street Light Fixture</td>
<td>120</td>
<td>122</td>
<td>12,000</td>
<td>120-277</td>
<td>0.69 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 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: 5,000°K
- 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: 1.54 ft²
- Housing IP Rating: IP65
- Optics IP Rating: IP68
- Warranty: 10 Year

MOUNTING OPTIONS

Adjustable Slip Fitter

Accepts 1-1/4" - 2-3/8" O.D. Tenon or Pipe

PHOTOMETRICS (See Complete IES File)

Horizontal Footcandles

Scale: 1 Hash = 35 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 12394.08
Mounting Height = 35.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 1.56 Fc
Arrangement: Single

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** AVAILABLE **

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** AVAILABLE **

Incredible 100,000 hrs

LED

STREET LIGHT / COBRA HEAD FIXTURES

L6

GENERAL DESCRIPTION

Neptun’s LED street light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-882 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The High output LED’s and custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS Street Light fixtures up to 400W.

APPLICATION

· Street Lighting
· Walkway Lighting
· Area Lighting
· Security Lighting

STRUCTURE, MATERIALS, & FEATURES

· Heavy-gauge, die-cast aluminum housing with concealed cooling fins.
· Corrosion resistant electrocoat finish (custom colors available).
· Slim, state of the art, low profile design for minimum wind load resistance.
· Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
· Continuous silicone gasket surrounds lens for IP68 weather tight seal.
· Optional NEMA Twistlock Photocell for increased energy savings.
· Tool-Less entry housing for easy maintenance and installation.
· High Output COB LED’s.
· Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
· 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

Sample Number: LED-882120-L6-UNV-0-10VDIM-850-LD-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>Color</th>
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</thead>
<tbody>
<tr>
<td>LED-882</td>
<td>Street Light</td>
<td>130-L6 = 130 W</td>
<td>UNV = 120-277 VAC</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>835 = 3500°K</td>
<td>GRY = Grey</td>
</tr>
<tr>
<td></td>
<td></td>
<td>140-L6 = 140 W</td>
<td>347V = 347 VAC</td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>841 = 4100°K</td>
<td>BRZ = Bronze</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150-L6 = 150 W</td>
<td>480V = 480 VAC</td>
<td>* Includes Motion Sensor</td>
<td>850 = 5000°K *</td>
<td>* Custom Colors Available</td>
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<tr>
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<td>160-L6 = 160 W</td>
<td></td>
<td>** Contact factory for dimming</td>
<td>850 = 5000°K *</td>
<td>** Contact factory for product Information</td>
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<tr>
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<td>170-L6 = 170 W</td>
<td></td>
<td>options</td>
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<td>180-L6 = 180 W</td>
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PRODUCT INFORMATION

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<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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<td>LED-882130-L6-UNV</td>
<td>Street Light Fixture</td>
<td>130</td>
<td>132</td>
<td>13,000</td>
<td>120-277</td>
<td>1.13 - 0.49</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<td>LED-882140-L6-UNV</td>
<td>Street Light Fixture</td>
<td>140</td>
<td>142</td>
<td>14,000</td>
<td>120-277</td>
<td>1.22 - 0.53</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<tr>
<td>LED-882150-L6-UNV</td>
<td>Street Light Fixture</td>
<td>150</td>
<td>152</td>
<td>15,000</td>
<td>120-277</td>
<td>1.31 - 0.56</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<tr>
<td>LED-882160-L6-UNV</td>
<td>Street Light Fixture</td>
<td>160</td>
<td>162</td>
<td>16,000</td>
<td>120-277</td>
<td>1.39 - 0.60</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<tr>
<td>LED-882170-L6-UNV</td>
<td>Street Light Fixture</td>
<td>170</td>
<td>172</td>
<td>17,000</td>
<td>120-277</td>
<td>1.48 - 0.64</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<tr>
<td>LED-882180-L6-UNV</td>
<td>Street Light Fixture</td>
<td>180</td>
<td>182</td>
<td>18,000</td>
<td>120-277</td>
<td>1.57 - 0.68</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 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: 5,000°K
- 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: 1.54 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

MOUNTING OPTIONS

Adjustable Slip Fitter

Accepts 1-1/4" - 2-3/8" O.D. Tenon or Pipe

PHOTOMETRICS (See Complete IES File)

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**APPLICATION**
- Street Lighting
- Walkway Lighting
- Area Lighting
- Security Lighting

**GENERAL DESCRIPTION**

Incredible 100,000 hrs

**AVAILABLE**

Bi-Level Dimming
0-10V Dimming

**STRUCTURE, MATERIALS, & FEATURES**
- Heavy-gauge, die-cast aluminum housing with concealed cooling fins.
- Corrosion resistant electrocoat finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Optional NEMA Twistlock Photocell for increased energy savings.
- Continuous silicone gasket surrounds lens for IP66 weather tight seal.
- Tool-Less entry housing for easy maintenance and installation.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- High Output Cree LED’s
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 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

Sample Number: LED-883030-UNV-0-10VDIM-850-LD-GRY

Custom options and accessories available. Please consult factory

**ORDERING INFORMATION**

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<tr>
<th>Series</th>
<th>Wattage</th>
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<tbody>
<tr>
<td>LED-883</td>
<td></td>
<td></td>
<td>030 = 30 W</td>
<td>835 = 3500°K</td>
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<td>GRY</td>
</tr>
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<td>040 = 40 W</td>
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</tr>
<tr>
<td></td>
<td>080 = 80 W</td>
<td>480V = 480 VAC</td>
<td>* Includes Motion Sensor</td>
<td>* Standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24VDC = 24 VDC</td>
<td>** Contact factory for dimming options</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* * * Contact factory for product Information

RoHS

lightinnovations@work™

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>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-883030-UNV</td>
<td>Street Light Fixture</td>
<td>30</td>
<td>32</td>
<td>3,000</td>
<td>120-277</td>
<td>0.26 - 0.11</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-883040-UNV</td>
<td>Street Light Fixture</td>
<td>40</td>
<td>42</td>
<td>4,000</td>
<td>120-277</td>
<td>0.34 - 0.15</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-883060-UNV</td>
<td>Street Light Fixture</td>
<td>60</td>
<td>62</td>
<td>6,000</td>
<td>120-277</td>
<td>0.52 - 0.22</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-883080-UNV</td>
<td>Street Light Fixture</td>
<td>80</td>
<td>82</td>
<td>8,000</td>
<td>120-277</td>
<td>0.69 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 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 .................. 5,000°K
- 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 .......... 1.00 ft.²
- Housing IP Rating ...... IP65
- Driver IP Rating .......... IP67
- Optics IP Rating .......... IP66
- Warranty .......... 5 Year

**MOUNTING OPTIONS**

Adjustable Slip Fitter

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

**PHOTOMETRICS** (See Complete IES File)

Horizontal Footcandles
Scale: 1 Hash = 25 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 8001.45
Mounting Height = 30.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 2.20 Fc
Arrangement: Single

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Spec. Rev. 4-2015
**GENERAL DESCRIPTION**
Neptun’s LED street light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-884 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The High output LED’s and custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS Street Light fixtures up to 400W.

**APPLICATION**
- Street Lighting
- Walkway Lighting
- Area Lighting
- Security Lighting

**STRUCTURE, MATERIALS, & FEATURES**
- Heavy-gauge, die-cast aluminum housing with concealed cooling fins.
- Corrosion resistant electrocoat finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Optional NEMA Twistlock Photocell for increased energy savings.
- Continuous silicone gasket surrounds lens for IP66 weather tight seal.
- Tool-Less entry housing for easy maintenance and installation.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- High Output Cree LED’s
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 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**
Sample Number: LED-884120-UNV-0-10VDIM-850-LD-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>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-884</td>
<td>100</td>
<td>120-277 VAC</td>
<td>0-10VDIM 0-10V Dimming</td>
<td>3500°K</td>
<td>LD</td>
<td>GRY</td>
</tr>
<tr>
<td>120</td>
<td>120</td>
<td>347 VAC</td>
<td>BL-DIM Bi-Level Dimming</td>
<td>4100°K</td>
<td>NEMA</td>
<td>BRZ</td>
</tr>
<tr>
<td>150</td>
<td>150</td>
<td>480 VAC</td>
<td>* Includes Motion Sensor</td>
<td>5000°K</td>
<td>MD</td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>180</td>
<td>24 VDC</td>
<td>** Contact factory for dimming options</td>
<td>Standard</td>
<td>LGN</td>
<td></td>
</tr>
</tbody>
</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>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-884100-UNV</td>
<td>LED Street Light Fixture</td>
<td>100</td>
<td>102</td>
<td>10,000</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-884120-UNV</td>
<td>LED Street Light Fixture</td>
<td>120</td>
<td>122</td>
<td>12,000</td>
<td>120-277</td>
<td>1.05 - 0.45</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-884150-UNV</td>
<td>LED Street Light Fixture</td>
<td>150</td>
<td>152</td>
<td>15,000</td>
<td>120-277</td>
<td>1.31 - 0.56</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
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<tr>
<td>LED-884180-UNV</td>
<td>LED Street Light Fixture</td>
<td>180</td>
<td>182</td>
<td>18,000</td>
<td>120-277</td>
<td>1.57 - 0.70</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 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 ...................................... 5,000°K
- 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 .............................................. 1.54 ft²
- Housing IP Rating ..................................... IP65
- Driver IP Rating ....................................... IP67
- Optics IP Rating ........................................ IP66
- Warranty .................................................... 5 Year

MOUNTING OPTIONS

Adjustable Slip Fitter

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

PHOTOMETRICS (See Complete IES File)

Horizontal Footcandles
Scale: 1 Hash = 30 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 18002.32
Mounting Height = 30.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 5.08 Fc
Arrangement: Single

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** AVAILABLE **

service@neptunlight.com  www.NeptunLight.com  888.735.8330

LED
MODULAR - STREET LIGHT FIXTURES
M2

Incredible 100,000 hrs

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

ORDERING INFORMATION

Sample Number: LED-89080-M2-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>
</table>
| LED-89 = Modular Street Light | 080-M2 = 80 W | UNV = 120-277 VAC 347 V = 347 VAC | 0-10VDIM = 0-10V Dimming BL-DIM = Bi-Level Dimming * Includes Motion Sensor * Contact Factory for dimming options | 835 = 3500°K 841 = 4100°K 850 = 5000°K * Standard | LD = NEMA Photocell MD = Motion Sensor ON/OFF LGN = Light Genie Node ** Contact factory for product information | T2 = Type 2 Distribution T2N = Type 2 Narrow Distribution | GRY = Grey BRZ = Bronze * Custom Colors Available
| 090-M2 = 90 W | 100-M2 = 100 W | 110-M2 = 110 W | 480V = 480 VAC | 24VDC = 24 VDC

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.
· Tool-Less entry housing for easy maintenance and installation.
· Continuous silicone gasket surrounds lens for IP68 weather tight seal.
· Optional NEMA Twistlock Photocell for increased energy savings.
· Modular High Output design with Cree LED Chips.
· Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
· 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

lightinnovations@work™

RoHS
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp)</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-89080-M2-UNV</td>
<td>LED Street Light</td>
<td>80</td>
<td>82</td>
<td>8,000</td>
<td>120-277</td>
<td>0.69 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-89090-M2-UNV</td>
<td>LED Street Light</td>
<td>90</td>
<td>92</td>
<td>9,000</td>
<td>120-277</td>
<td>0.78 - 0.34</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<tr>
<td>LED-89100-M2-UNV</td>
<td>LED Street Light</td>
<td>100</td>
<td>102</td>
<td>10,000</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-89110-M2-UNV</td>
<td>LED Street Light</td>
<td>110</td>
<td>112</td>
<td>11,000</td>
<td>120-277</td>
<td>0.96 - 0.41</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</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 .................................... 5,000°K
- 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 = 11303.32
Mounting Height = 25.00 Ft , Tilt = 5 Degrees
Maximum Calculated Value = 2.65 Fc
Arrangement: Single

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Spec. Rev. 4-2015

service@neptunlight.com www.NeptunLight.com 888.735.8330

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004
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 250W.

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.
· Tool-Less entry housing for easy maintenance and installation.
· Continuous silicone gasket surrounds lens for IP68 weather tight seal.
· Optional NEMA Twistlock Photocell for increased energy savings.
· Modular High Output design with Cree LED Chips.
· Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
· 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
Sample Number: LED-89120-M3-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 Street Light</td>
<td>120-W</td>
<td>120-277 VAC</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>835 = 3500°K</td>
<td>LD = NEMA Photocell</td>
<td>GRY = Grey</td>
</tr>
<tr>
<td>120-M3</td>
<td>120 W</td>
<td>347 V</td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor ON/OFF</td>
<td>BRZ = Bronze</td>
<td></td>
</tr>
<tr>
<td>130-M3</td>
<td>130 W</td>
<td>480 V</td>
<td>* Includes Motion Sensor</td>
<td>850 = 5000°K *</td>
<td>LGN = Light Genie Node **</td>
<td></td>
<td>* Custom Colors Available</td>
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<tr>
<td>140-M3</td>
<td>140 W</td>
<td>24VDC</td>
<td>* Contact Factory for dimming options</td>
<td></td>
<td>** Contact factory for product information</td>
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<tr>
<td>150-M3</td>
<td>150 W</td>
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PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp)</th>
<th>THD</th>
<th>Power Factor</th>
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<tr>
<td>LED-89120-M3-UNV</td>
<td>LED Roadway Fixture</td>
<td>120</td>
<td>122</td>
<td>12,000</td>
<td>120-277</td>
<td>1.05 - 0.45</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-89130-M3-UNV</td>
<td>LED Roadway Fixture</td>
<td>130</td>
<td>132</td>
<td>13,000</td>
<td>120-277</td>
<td>1.13 - 0.49</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-89140-M3-UNV</td>
<td>LED Roadway Fixture</td>
<td>140</td>
<td>142</td>
<td>14,000</td>
<td>120-277</td>
<td>1.22 - 0.53</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-89150-M3-UNV</td>
<td>LED Roadway Fixture</td>
<td>150</td>
<td>152</td>
<td>15,000</td>
<td>120-277</td>
<td>1.31 - 0.56</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-89165-M3-UNV</td>
<td>LED Roadway Fixture</td>
<td>165</td>
<td>167</td>
<td>16,500</td>
<td>120-277</td>
<td>1.44 - 0.62</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>30 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 .................................. 5,000°K
- 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 ........................................ IP66
- Housing IP Rating .................................. IP67
- Driver IP Rating .................................. IP68
- 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

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

PHOTOMETRICS (See Complete IES File)

Horizontal Footcandles
Scale: 1 Hash = 40 Fc
Light Loss Factor = 1.00
Total Lamp Lumens = 16767.8
Mounting Height = 30.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 2.73 Fc
Arrangement: Single

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** 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.
- Tool-Less entry housing for easy maintenance and installation.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Modular High Output design with Cree LED Chips.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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-89170-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 Street Light</td>
<td>170-M4 = 170 W</td>
<td>UNV = 120-277 VAC 347V = 347 VAC 480V = 480 VAC 24VDC = 24 VDC</td>
<td>0-10VDIM = 0-10V Dimming BL-DIM = Bi-Level Dimming * * Includes Motion Sensor * Contact Factory for dimming options</td>
<td>835 = 3500°K 841 = 4100°K 850 = 5000°K * * Standard</td>
<td>LD = NEMA Photocell MD = Motion Sensor ON/OFF LGN = Light Genie Node ** ** Contact Factory for product information</td>
<td>T2 = Type 2 Distribution T2N = Type 2 Narrow Distribution</td>
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<tr>
<td>180-M4</td>
<td>= 180 W</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>190-M4</td>
<td>= 190 W</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200-M4</td>
<td>= 200 W</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>210-M4</td>
<td>= 210 W</td>
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<td></td>
<td></td>
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<tr>
<td>220-M4</td>
<td>= 220 W</td>
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</table>
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.
** AVAILABLE **

LED

** MODULAR - STREET/ROADWAY LIGHT FIXTURES **
M5

Sample Number:
LED-89230-M5-UNV-0-10VDIM-850-LD-T2-GRY

Custom options and accessories available. Please consult factory.

** AVAILABLE **

Dark Sky
FRIENDLY

0 - 10V
FULL DIMMING

Incredible 100,000 hrs

** 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.
- Tool-Less entry housing for easy maintenance and installation.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Modular High Output design with Cree LED Chips.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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 **

<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>LED-89</td>
<td>Modular Street Light</td>
<td>230-M5 = 230 W</td>
<td>UNV = 120-277 VAC</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>835 = 3500°K</td>
<td>LD = NEMA Photocell</td>
<td>GRY = Grey</td>
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<tr>
<td>240-M5</td>
<td>240 W</td>
<td>347V = 347 VAC</td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor ON/OFF</td>
<td>BRZ = Bronze</td>
<td></td>
</tr>
<tr>
<td>250-M5</td>
<td>250 W</td>
<td>480V = 480 VAC</td>
<td>Includes Motion Sensor</td>
<td>850 = 5000°K *</td>
<td>LGN = Light Genie Node **</td>
<td>* Custom Colors Available</td>
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<tr>
<td>260-M5</td>
<td>260 W</td>
<td>24VDC = 24 VDC</td>
<td>Contact factory for dimming options</td>
<td>* Standard</td>
<td>** Contact factory for product information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>275-M5</td>
<td>275 W</td>
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Sample Number: LED-89230-M5-UNV-0-10VDIM-850-LD-T2-GRY

service@neptunlight.com www.NeptunLight.com 888.735.8330

lightinnovations@work™
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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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<tbody>
<tr>
<td>LED-89230-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>230</td>
<td>232</td>
<td>23,000</td>
<td>120-277</td>
<td>2.01 - 0.87</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>40 lbs</td>
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<tr>
<td>LED-89240-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>240</td>
<td>242</td>
<td>24,000</td>
<td>120-277</td>
<td>2.10 - 0.90</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>40 lbs</td>
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<tr>
<td>LED-89250-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>250</td>
<td>252</td>
<td>25,000</td>
<td>120-277</td>
<td>2.18 - 0.94</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>40 lbs</td>
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<tr>
<td>LED-89260-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>260</td>
<td>262</td>
<td>26,000</td>
<td>120-277</td>
<td>2.27 - 0.98</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>40 lbs</td>
</tr>
<tr>
<td>LED-89275-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>275</td>
<td>277</td>
<td>27,500</td>
<td>120-277</td>
<td>2.40 - 1.04</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>40 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: 5,000°K
- 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: 0.77 ft²
- 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)

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 Spec. Rev. 4-2015
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 750W.

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.
- Tool-Less entry housing for easy maintenance and installation.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Modular High Output design with Cree LED Chips.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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-89280-M6-UNV-0-10VDIM-850-LD-T2-GRY
Custom options and accessories available. Please consult factory

- ** AVAILABLE **
  - Bi-Level Dimming 100%
  - 0 - 10V Dimming 50%

Incredible **100,000 hrs**
### LED SPECIFICATIONS

**Spec. Rev. 4-2015**

#### MODULAR - STREET/ROADWAY LIGHT FIXTURES

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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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<tbody>
<tr>
<td>LED-89280-M6-UNV</td>
<td>LED Roadway Fixture</td>
<td>280</td>
<td>282</td>
<td>28,000</td>
<td>120-277</td>
<td>2.44 - 1.06</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>45 lbs</td>
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<tr>
<td>LED-89290-M6-UNV</td>
<td>LED Roadway Fixture</td>
<td>290</td>
<td>292</td>
<td>29,000</td>
<td>120-277</td>
<td>2.53 - 1.09</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>45 lbs</td>
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<tr>
<td>LED-89300-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>300</td>
<td>302</td>
<td>30,000</td>
<td>120-277</td>
<td>2.62 - 1.13</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>45 lbs</td>
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<tr>
<td>LED-89310-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>310</td>
<td>312</td>
<td>31,000</td>
<td>120-277</td>
<td>2.71 - 1.17</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>45 lbs</td>
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<tr>
<td>LED-89320-M5-UNV</td>
<td>LED Roadway Fixture</td>
<td>320</td>
<td>322</td>
<td>32,000</td>
<td>120-277</td>
<td>2.79 - 1.21</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>45 lbs</td>
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<tr>
<td>LED-89330-M6-UNV</td>
<td>LED Roadway Fixture</td>
<td>330</td>
<td>332</td>
<td>33,000</td>
<td>120-277</td>
<td>2.88 - 1.25</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>45 lbs</td>
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</table>

#### PRODUCT INFORMATION

- **Model No.**
- **Description:** LED Roadway Fixture
- **Rated Watts:** 280 - 330
- **Input Watts:** 282 - 332
- **Initial Lumens:** 28,000 - 33,000
- **Universal Line Voltage (VAC):** 120 - 277
- **Max Line Current (Amp):** 2.44 - 2.88
- **THD:** <20%
- **Power Factor:** >0.90
- **Weight:** 45 lbs

#### 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:** 5,000°K
- **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:** 0.84 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**
- **Tool-Less Entry Latch**
- **(2) Mounting Clamps**
- **(4) Stainless Steel Fastening Bolts**

#### PHOTOMETRICS (See Complete IES File)

- **Horizontal Footcandles**
- **Scale:** 1 Hash = 50 Ft.
- **Light Loss Factor:** > 1.00
- **Total Lamp Lumens:** > 33156.18
- **Mounting Height:** > 40.00 Ft., Tilt = 5 Degrees
- **Maximum Calculated Value:** > 3.01 Fc
- **Arrangement:** Single

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Spec. Rev. 4-2015
**KOMETATM MINI STREET LIGHT FIXTURES**

**LED**

Incredible 100,000 hrs

---

**GENERAL DESCRIPTION**

Neptun's Kometa™ Mini LED Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The Kometa fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type II & III Asymmetrical 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 cooling fins.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Toolless entry gear box for easy maintenance and installation.
- Continuous silicone gasket surrounds lens for IP66 weather tight seal.
- Optional NEMA Twist lock Photocell for increased energy savings.
- High Output Cree LED’s.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 5 Year Warranty on complete fixture. (LED’s, Driver, & Housing)
- Optional: 0-10V Dimming, Bi-Level Dimming, Remote Monitoring and ON/OFF Control, DC 24V Operation - Solar Compatible

---

**ORDERING INFORMATION**

Sample Number: LED-451040-UNV-0-10VDIM-850-LD-T2A-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-451</td>
<td>040 = 40W</td>
<td>120-277V</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>835 = 3500°K</td>
<td>LD = NEMA Photocell</td>
<td>T2A = Type 2</td>
<td>GRY = Grey</td>
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<tr>
<td></td>
<td>050 = 50W</td>
<td>347V</td>
<td>BL-DIM = Bi-Level Dimming</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor</td>
<td>T3A = Type 3</td>
<td>* Custom Colors Available</td>
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<tr>
<td></td>
<td>060 = 60W</td>
<td>480V</td>
<td>* Includes Motion Sensor</td>
<td>850 = 5000°K</td>
<td>LGN = Light Genie Node</td>
<td>** Contact factory for product information</td>
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<td></td>
<td>080 = 80W</td>
<td>24VDC</td>
<td>* Contact factory for dimming options</td>
<td>Standard</td>
<td>** Contact factory for product information</td>
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Please check latest update for complete information:
http://www.designlights.org/formodifiedQualifiedProductsList_Publicv2.php
PRODUCT INFORMATION

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<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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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<td>LED Street Light Fixture</td>
<td>40</td>
<td>42</td>
<td>3,800</td>
<td>120-277</td>
<td>0.34 - 0.15</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
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<tr>
<td>LED-451050-UNV</td>
<td>LED Street Light Fixture</td>
<td>50</td>
<td>52</td>
<td>4,500</td>
<td>120-277</td>
<td>0.43 - 0.18</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
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<td>LED-451060-UNV</td>
<td>LED Street Light Fixture</td>
<td>60</td>
<td>62</td>
<td>5,300</td>
<td>120-277</td>
<td>0.52 - 0.22</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-451080-UNV</td>
<td>LED Street Light Fixture</td>
<td>80</td>
<td>82</td>
<td>6,100</td>
<td>120-277</td>
<td>0.69 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</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: 5,000°K
- Color Rendering Index (CRI): > 80
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: +50°C
- Lumens per Watt: > 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.90
- Total Harmonic Distortion: < 20%
- Inrush Current Peak: < 10 Amp
- FCC Compliance: Part 15, Subp. C
- ETL Listed / UL Standard 1598: Yes
- EPA Rating: 0.47 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP66
- Warranty: 5 Year
- Lumens per Watt: > 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.90
- Total Harmonic Distortion: < 20%
- Inrush Current Peak: < 10 Amp
- FCC Compliance: Part 15, Subp. C
- ETL Listed / UL Standard 1598: Yes
- EPA Rating: 0.47 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP66
- Warranty: 5 Year

MOUNTING OPTIONS

Accepts 1-1/4" - 2-3/8" O.D. Tenon or Pipe

(2) 5-16" Stainless Steel Bolts

PHOTOMETRICS (See Complete IES File)

Horizontal Footcandles
Scale: 1 Hash = 20 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 6292.1
Mounting Height = 25.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 3.83 Fc
Arrangement: Single

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Spec. Rev. 4-2015
GENERAL DESCRIPTION

Neptun’s Kometa™ LED Roadway fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The Kometa fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The 150 PCS High output LED’s and custom engineered optics provide excellent uniformity and efficiency. Used in applications replacing up to 400W HID & HPS Fixtures on Major Roadways & Highways.

APPLICATION
· Street Lighting
· Roadway Lighting
· Highway Lighting

ORDERING INFORMATION

<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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<tr>
<td>LED-452</td>
<td>Street</td>
<td>100 W</td>
<td>UNV = 120-277 VAC</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>735 = 3500°K</td>
<td>T2A = Type 2</td>
<td>GRY = Grey</td>
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<td></td>
<td>Light</td>
<td>110 W</td>
<td>347 V = 347 VAC</td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>741 = 4100°K</td>
<td>MD = Motion Sensor</td>
<td>* Custom Colors Available</td>
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<td></td>
<td></td>
<td>120 W</td>
<td>480 V = 480 VAC</td>
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<td>750 = 5000°K *</td>
<td>LGN = Light Genie Node **</td>
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<td></td>
<td></td>
<td>130 W</td>
<td>24VDC = 24 VDC</td>
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<td>T3A = Type 3</td>
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<td></td>
<td></td>
<td>140 W</td>
<td></td>
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<td></td>
<td></td>
<td>150 W</td>
<td></td>
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<td></td>
<td></td>
<td>160 W</td>
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Sample Number: LED-452100-UNV-0-10VDIM-750-LD-T2A-GRY

Custom options and accessories available. Please consult factory.
PRODUCT INFORMATION

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<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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-452100-UNV</td>
<td>LED Roadway Fixture</td>
<td>100</td>
<td>102</td>
<td>8,000</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
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<td>LED-452110-UNV</td>
<td>LED Roadway Fixture</td>
<td>110</td>
<td>112</td>
<td>8,800</td>
<td>120-277</td>
<td>0.96 - 0.41</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
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<td>LED-452120-UNV</td>
<td>LED Roadway Fixture</td>
<td>120</td>
<td>122</td>
<td>9,600</td>
<td>120-277</td>
<td>1.05 - 0.45</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
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<tr>
<td>LED-452130-UNV</td>
<td>LED Roadway Fixture</td>
<td>130</td>
<td>132</td>
<td>10,400</td>
<td>120-277</td>
<td>1.13 - 0.49</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
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<td>LED-452140-UNV</td>
<td>LED Roadway Fixture</td>
<td>140</td>
<td>142</td>
<td>11,200</td>
<td>120-277</td>
<td>1.22 - 0.53</td>
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<td>&gt;0.90</td>
<td>32 lbs</td>
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<tr>
<td>LED-452150-UNV</td>
<td>LED Roadway Fixture</td>
<td>150</td>
<td>152</td>
<td>12,400</td>
<td>120-277</td>
<td>1.31 - 0.56</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
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<tr>
<td>LED-452160-UNV</td>
<td>LED Roadway Fixture</td>
<td>160</td>
<td>162</td>
<td>13,900</td>
<td>120-277</td>
<td>1.39 - 0.60</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 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: 5,000°K
- Color Rendering Index (CRI): > 80
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: +50°C
- Lumens per Watt: > 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.90
- Total Harmonic Distortion: < 20%
- Inrush Current Peak: < 10 Amp
- FCC Compliance: Part 15, Subp. C
- ETL Listed / UL Standard 1598: Yes
- EPA Rating: 0.86 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

MOUNTING OPTIONS

Accepts 1-1/4" - 2-3/8” O.D. Tenon or Pipe

(2) 5-16” Stainless Steel Bolts

PHOTOMETRICS (See Complete IES File)

Horizontal Footcandles
Scale: 1 Hash = 30 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 14281.5
Mounting Height = 30.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 4.08 Ft.
Arrangement: Single

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GENERAL DESCRIPTION
Neptun's Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-81-L1 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical 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 webbed cooling design.
- Corrosion resistant electrocoat grey 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.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 1 COB High Output LED's.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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
Sample Number: LED-81040-L1-UNV-0-10VDIM-850-LD-GRY
Custom options and accessories available. Please consult factory
**PRODUCT INFORMATION**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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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<td>LED-81040-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>40</td>
<td>42</td>
<td>4,400</td>
<td>120-277</td>
<td>0.34 - 0.15</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>14 lbs</td>
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<tr>
<td>LED-81050-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>50</td>
<td>52</td>
<td>5,500</td>
<td>120-277</td>
<td>0.43 - 0.18</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>14 lbs</td>
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<tr>
<td>LED-81060-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>60</td>
<td>62</td>
<td>6,600</td>
<td>120-277</td>
<td>0.52 - 0.22</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>14 lbs</td>
</tr>
<tr>
<td>LED-81080-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>80</td>
<td>83</td>
<td>8,800</td>
<td>120-277</td>
<td>0.70 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>14 lbs</td>
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</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: 5,000°K
- 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
- ETL Listed / UL Standard 1598: Yes
- EPA Rating: 0.51 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

**MOUNTING OPTIONS**

- (2) 5-16" Stainless Steel Hex-head Bolts

Accepts 1" - 2" O.D. Tenon or Pipe

**PHOTOMETRICS** (See Complete IES File)

**TYPE III ASYMMETRICAL**

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GENERAL DESCRIPTION
Neptun’s Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-81-L2 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical optics provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 250W.

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

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing with webbed cooling design.
- Corrosion resistant electrocoat grey 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.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 2 COB High Output LED’s.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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
Sample Number: LED-81100-L2-UNV-0-10VDIM-850-LD-GRY
Custom options and accessories available. Please consult factory

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<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Options</th>
<th>Color Temp</th>
<th>Accessories</th>
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<tr>
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<td>Street Light</td>
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<tr>
<td>100-L2</td>
<td>100 W</td>
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<td>Motion Sensor ON/OFF</td>
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** AVAILABLE **

Incredible 100,000 hrs

light innovations @ work™
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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<td>LED Street Light Fixture</td>
<td>100</td>
<td>102</td>
<td>11,000</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>16 lbs</td>
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<tr>
<td>LED-81120-L2-UNV</td>
<td>LED Street Light Fixture</td>
<td>120</td>
<td>122</td>
<td>13,200</td>
<td>120-277</td>
<td>1.05 - 0.45</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>16 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: 5,000°K
- 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
- ETL Listed / UL Standard 1598: Yes
- EPA Rating: 0.61 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

MOUNTING OPTIONS

Accepts 1" - 2" O.D. Tenon or Pipe

(2) 5-16" Stainless Steel Hex-head Bolts

PHOTOMETRICS (See Complete IES File)

TYPE III ASYMMETRICAL
NEPTUN LIGHT

LED STREET LIGHT / COBRA HEAD FIXTURES L3

Incredible 100,000 hrs

GENERAL DESCRIPTION
Neptun’s Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-81-L3 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical 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 webbed cooling design.
· Corrosion resistant electrocoat grey 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.
· Correlated Color Temperature of (5000°K) for greater visibility and safety.
· 3 COB High Output LED’s.
· Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
· 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-81140-L3-UNV-0-10VDIM-850-LD-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>Color</th>
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<tbody>
<tr>
<td>LED-81</td>
<td>Street Light</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>140-L3</td>
<td>140 W</td>
<td>UNV = 120-277 VAC</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>835 = 3500°K</td>
<td>LD = Light Sensor/Photocell</td>
<td>GRY = Grey</td>
</tr>
<tr>
<td>160-L3</td>
<td>160 W</td>
<td>347V = 347 VAC</td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>841 = 4100°K</td>
<td>NEMA Twistlock</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td>480V = 480 VAC</td>
<td>* Includes Motion Sensor</td>
<td>850 = 5000°K *</td>
<td>**Contact factory for dimming options</td>
<td>** Contact factory for product Information</td>
<td>MD = Motion Sensor ON/OFF</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LGN = Light Genie Node</td>
<td></td>
</tr>
</tbody>
</table>

** AVAILABLE **

Bi-Level 100%
Dimming 50%
0 - 10V FULL DIMMING

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>Initial 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-81140-L3-UNV</td>
<td>LED Street Light Fixture</td>
<td>140</td>
<td>142</td>
<td>15,400</td>
<td>120-277</td>
<td>1.22 - 0.53</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-81160-L3-UNV</td>
<td>LED Street Light Fixture</td>
<td>160</td>
<td>162</td>
<td>17,600</td>
<td>120-277</td>
<td>1.39 - 0.60</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>18 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: 5,000°K
- 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
- ETL Listed / UL Standard 1598: Yes
- EPA Rating: 0.97 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

MOUNTING OPTIONS

Accepts (2) 5-16" Stainless Steel Hex-head Bolts

PHOTOMETRICS (See Complete IES File)

TYPE III ASYMMETRICAL
GENERAL DESCRIPTION
Neptun's Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-81-L1 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical 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 cooling design.
- Corrosion resistant electrocoat grey 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.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 1 COB High Output LED’s.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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
Sample Number: LED-83040-L1-UNV-0-10VDIM-850-LD-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>Color</th>
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<tbody>
<tr>
<td>LED-83</td>
<td>40 W</td>
<td>UNV</td>
<td>0-10VDIM</td>
<td>3500°K *</td>
<td>LD= Light Sensor/Photocell</td>
<td>GRY</td>
</tr>
<tr>
<td>040-L1</td>
<td>50 W</td>
<td>347V</td>
<td>BL-DIM</td>
<td>4100°K</td>
<td>NEMA Twistlock</td>
<td>Grey</td>
</tr>
<tr>
<td>050-L1</td>
<td>60 W</td>
<td>480V</td>
<td>* Includes Motion Sensor</td>
<td>5000°K *</td>
<td>MD = Motion Sensor ON/OFF</td>
<td>Custom Colors Available</td>
</tr>
<tr>
<td>060-L1</td>
<td>80 W</td>
<td>24VDC</td>
<td>** Contact factory for dimming options</td>
<td>Standard</td>
<td>LGN = Light Genie Node **</td>
<td>Available</td>
</tr>
<tr>
<td>080-L1</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

lightinnovations@work™

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>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>LED-83040-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>40</td>
<td>42</td>
<td>4,400</td>
<td>120-277</td>
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<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>9 lbs</td>
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<tr>
<td>LED-83050-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>50</td>
<td>52</td>
<td>5,500</td>
<td>120-277</td>
<td>0.43 - 0.18</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>9 lbs</td>
</tr>
<tr>
<td>LED-83060-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>60</td>
<td>62</td>
<td>6,600</td>
<td>120-277</td>
<td>0.52 - 0.22</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>9 lbs</td>
</tr>
<tr>
<td>LED-83080-L1-UNV</td>
<td>LED Street Light Fixture</td>
<td>80</td>
<td>82</td>
<td>8,800</td>
<td>120-277</td>
<td>0.70 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>9 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 ............................................ 5,000°K
- 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
- ETL Listed / UL Standard 1598 ............................. Yes
- EPA Rating ...................................................... 0.55 ft.²
- Housing IP Rating ............................................. IP65
- Driver IP Rating ............................................... IP67
- Optics IP Rating ............................................... IP68
- Warranty .......................................................... 10 Year

### MOUNTING OPTIONS

- (2) 5-16" Stainless Steel Hex-head Bolts

### PHOTOMETRICS

- (See Complete IES File)

**TYPE III ASYMMETRICAL**
GENERAL DESCRIPTION
Neptun’s Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-83-L2 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical optics provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 250W.

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

STRUCTURE, MATERIALS, & FEATURES
· Heavy-gauge, die-cast aluminum housing with cooling design.
· Corrosion resistant electrocoat grey 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.
· Correlated Color Temperature of (5000°K) for greater visibility and safety.
· 2 COB High Output LED’s.
· Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
· 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)

Sample Number: LED-83100-L2-UNV-0-10VDIM-850-LD-GRY
Custom options and accessories available. Please consult factory
## PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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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<td>LED-83100-L2-UNV</td>
<td>LED Street Light Fixture</td>
<td>100</td>
<td>102</td>
<td>11,000</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>12 lbs</td>
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<td>LED-83120-L2-UNV</td>
<td>LED Street Light Fixture</td>
<td>120</td>
<td>122</td>
<td>13,200</td>
<td>120-277</td>
<td>1.05 - 0.45</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>12 lbs</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: 5,000°K
- Color Rendering Index (CRI): > 80
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: +50°C
- Lumens per Watt: 120-277
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.90
- Total Harmonic Distortion: < 20%
- Inrush Current Peak: < 10 Amp
- FCC Compliance: Part 15, Subp. C
- ETL Listed / UL Standard 1598: Yes
- EPA Rating: 0.64 ft.²
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

## MOUNTING OPTIONS

- (2) 5-16” Stainless Steel Hex-head Bolts
- Accepts 1-1/4” - 2-3/8” O.D. Tenon or Pipe

## PHOTOMETRICS

(See Complete IES File)

- Type III Asymmetrical

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Spec. Rev. 4-2015
LED STREET LIGHT / COBRA HEAD FIXTURES

GENERAL DESCRIPTION
Neptun’s Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-83-L3 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type III Asymmetrical 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 cooling design.
• Corrosion resistant electrocoat grey 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.
• Correlated Color Temperature of (5000°K) for greater visibility and safety.
• 3 COB High Output LED’s.
• Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
• 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

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Options</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
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<td>140L3</td>
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<td>0-10VDIM</td>
<td>3500°K</td>
<td>LD</td>
<td>GRY</td>
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<td>160L3</td>
<td>347V</td>
<td>BL-DIM</td>
<td>4000°K</td>
<td>NEMA</td>
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<tr>
<td></td>
<td>180L3</td>
<td>480V</td>
<td>**</td>
<td>5000°K*</td>
<td>MD</td>
<td></td>
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<tr>
<td></td>
<td>140W</td>
<td>120-277V</td>
<td>**</td>
<td>Standard</td>
<td>LGN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>160W</td>
<td>347V</td>
<td>**</td>
<td>**</td>
<td>* Custom Colors Available</td>
<td></td>
</tr>
<tr>
<td></td>
<td>180W</td>
<td>480V</td>
<td>**</td>
<td>**</td>
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<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp)</th>
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<td>LED Street Light Fixture</td>
<td>140</td>
<td>142</td>
<td>15,400</td>
<td>120-277</td>
<td>1.22 - 0.53</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>17 lbs</td>
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<tr>
<td>LED-83160-L3-UNV</td>
<td>LED Street Light Fixture</td>
<td>160</td>
<td>162</td>
<td>17,600</td>
<td>120-277</td>
<td>1.39 - 0.60</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>17 lbs</td>
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<tr>
<td>LED-83180-L3-UNV</td>
<td>LED Street Light Fixture</td>
<td>180</td>
<td>182</td>
<td>19,800</td>
<td>120-277</td>
<td>1.57 - 0.68</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>17 lbs</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** ..................................... 5,000°K
- **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
- **ETL Listed / UL Standard 1598** .................... Yes
- **EPA Rating** ................................................ 0.55 ft²
- **Housing IP Rating** ..................................... IP65
- **Driver IP Rating** ...................................... IP67
- **Optics IP Rating** ...................................... IP68
- **Warranty** .................................................. 10 Year
- **Type III Asymmetrical**

## MOUNTING OPTIONS

(2) 5-16” Stainless Steel Hex-head Bolts

Accepts 1-1/4” - 2-3/8” O.D. Tenon or Pipe

## PHOTOMETRICS (See Complete IES File)

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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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Spec. Rev. 4-2015
GENERAL DESCRIPTION
Neptun’s Security/Barn Light Fixture is suitable for a variety of outdoor applications. The LED 20 series Security Light features an integrated photocell for Dusk-to-Dawn On/Off control. It can replace existing HID & HPS fixtures up to 150W.

APPLICATION
· Street Lighting
· Alley Lighting
· Work Yard Lighting
· Parking Lot Lighting
· Security Lighting
· Barn Lighting
· Area Lighting
· Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES
· Heavy-gauge, die-cast aluminum housing.
· Heat and impact resistant, UV protected, non yellowing lens.
· Corrosion resistant electrocoat grey finish (custom colors available).
· Slip Fitter mount accepts 1-1/4" - 2" Round Pipe or Tenon (arm included)
· NEMA Photocell for Dusk-to-Dawn On/Off control included.
· High Output COB LED’s
· Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
· Instant-On flicker-free Cold Start and Hot Re-Start.
· Bright white light (5000°K) for greater visibility and safety.
· Up to 15 year maintenance free operation.
· 5 Year Warranty.
· Optional: 0-10V Dimming, Remote Monitoring and ON/OFF Control, DC 24V Operation – Solar Compatible

ORDERING INFORMATION
Sample Number: LED-20035-UNV-0-10VDIM-850-DL-T3-GRY
Custom options and accessories available. Please consult factory

<table>
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<th>Voltage</th>
<th>Options</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Distribution</th>
<th>Color</th>
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<tbody>
<tr>
<td>LED-20</td>
<td>035 = 35 W</td>
<td>UNV = 120-277 VAC 24VDC = 24V DC</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>830 = 3000°K 841 = 4100°K 850 = 5000°K*</td>
<td>DL = Drop Lens</td>
<td>T3 = Type 3</td>
<td>GRY = Grey</td>
</tr>
</tbody>
</table>

RoHS

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PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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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<tbody>
<tr>
<td>LED-20035-UNV</td>
<td>LED Security Fixture</td>
<td>35</td>
<td>36</td>
<td>3,500</td>
<td>120-277</td>
<td>0.30-0.13</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>8 lbs</td>
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<tr>
<td>LED-20050-UNV</td>
<td>LED Security Fixture</td>
<td>50</td>
<td>51</td>
<td>5,000</td>
<td>120-277</td>
<td>0.43-0.18</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>8 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 ................................ 5,000°K
- Color Rendering Index (CRI) ...................... > 80
- Minimum Starting Temperature .................... -40°C
- Maximum Starting Temperature .................... +50°C
- Lumens per Watt ................................... > 90
- Shock / Vibration Resistant ....................... Yes
- Power Factor ..................................... > 0.90
- Total Harmonic Distortion ....................... < 20%<sup>2</sup>
- Inrush Current Peak ............................ < 10 Amp
- FCC Compliance .................................. Part 15, Subp. C
- EPA Rating ....................................... 0.56 ft.²
- Housing IP Rating ................................ IP65
- Driver IP Rating .................................. IP67
- Optics IP Rating .................................. IP68
- Warranty ......................................... 10 Year

MOUNTING OPTIONS

- Pole Mount
  - Accepts 1-1/4" - 2" Round Tenon or Pole (Arm Included)
  - (Hardware Not included)

- Wall Mount

PHOTOMETRICS (See Complete IES File)

Type 3 Distribution

Type 5 Distribution

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GENERAL DESCRIPTION
Neptun's LED tunnel/viaduct fixtures feature a sleek architectural design and durability to be used in new construction or retrofit applications. The LED-27 L6 series fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. It can replace existing HID & HPS fixtures up to 250 Watts.

APPLICATION
- Tunnel Lighting
- Viaduct Lighting
- Freezer Lighting
- Storage Lighting
- Security Lighting
- Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Heat and impact resistant tempered glass lens with anti-glare diffuser.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Continuous silicone gasket surrounds lens for weather-tight seal.
- Adjustable angle mounting brackets included.
- 6 PCS High Output COB LED's.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- Instant-On flicker-free Cold Start and Hot Re-Start.
- LED engine design with Advanced Thermal Management.
- Up to 15 year maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)
- Optional: Bi-Level Dimming, 0-10V Dimming, Remote Monitoring and ON/OFF Control

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Options</th>
<th>Mounting</th>
<th>CCT</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-27</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>080-L6</td>
<td>80 W</td>
<td>120-277V</td>
<td>0-10VDIM = 0-10V Dimming</td>
<td>ASM =</td>
<td>835</td>
<td></td>
<td>GRY</td>
</tr>
<tr>
<td>100-L6</td>
<td>100 W</td>
<td>347 V</td>
<td>BL-DIM = Bi-Level Dimming</td>
<td>Adjustable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120-L6</td>
<td>120 W</td>
<td>480 V</td>
<td>* Includes Motion Sensor</td>
<td>Surface</td>
<td>841</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 VDC</td>
<td>** Contact Factory for dimming options</td>
<td>Mount</td>
<td>850</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 VDC</td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
<td></td>
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</table>

Sample Number: LED-27080-L6-UNV-0-10VDIM-850-LD-120V-DGRY
Custom options and accessories available. Please consult factory.

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>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) @ 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-27080-L6-UNV</td>
<td>Tunnel/Viaduct Fixture</td>
<td>80</td>
<td>82</td>
<td>8,200</td>
<td>120-277</td>
<td>0.69 - 0.30</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-27100-L6-UNV</td>
<td>Tunnel/Viaduct Fixture</td>
<td>100</td>
<td>102</td>
<td>10,200</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-27120-L6-UNV</td>
<td>Tunnel/Viaduct Fixture</td>
<td>120</td>
<td>122</td>
<td>12,200</td>
<td>120-277</td>
<td>1.05 - 0.45</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 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: 5,000°K
- Color Rendering Index (CRI): > 80
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: +50°C
- Lumens per Watt: > 100
- Shock / Vibration Resistant: Yes
- Total Harmonic Distortion: < 20%
- Inrush Current Peak: < 10 Amp
- FCC Compliance: Part 15, Subp. C
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year
- Power Factor: > 0.90
- Total Harmonic Distortion: < 20%
- Inrush Current Peak: < 10 Amp
- FCC Compliance: Part 15, Subp. C
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

MOUNTING OPTIONS

Adjustable Yoke Mount
Adjustable Surface Mount
Surface Mount
GENERAL DESCRIPTION

Neptun’s LED tunnel/viaduct fixtures feature a sleek architectural design and durability to be used in new construction or retrofit applications. The LED-27 L12 series fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. It can replace existing HID & HPS fixtures up to 400 Watts.

APPLICATION

- Tunnel Lighting
- Viaduct Lighting
- Freezer Lighting
- Storage Lighting
- Security Lighting
- Area Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Heat and impact resistant tempered glass lens with anti-glare diffuser.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Continuous silicone gasket surrounds lens for weather-tight seal.
- Adjustable angle mounting brackets included.
- 12 PCS High Output COB LED’s.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- Instant-On flicker-free Cold Start and Hot Re-Start.
- LED engine design with Advanced Thermal Management.
- Up to 15 year maintenance free operation.
- 10 Year Warranty on complete fixture. (LED’s, Driver, & Housing)
- Optional: Bi-Level Dimming, 0-10V Dimming, Remote Monitoring and ON/OFF Control

ORDERING INFORMATION

Sample Number: LED-27150-L12-UNV-0-10VDIM-850-LD-120V-DGRY

Custom options and accessories available. Please consult factory.
## PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) @ 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-27150-L12-UNV</td>
<td>Tunnel/Viaduct Fixture</td>
<td>150</td>
<td>152</td>
<td>15,200</td>
<td>120-277</td>
<td>1.31 - 0.56</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
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<tr>
<td>LED-27180-L12-UNV</td>
<td>Tunnel/Viaduct Fixture</td>
<td>180</td>
<td>182</td>
<td>18,200</td>
<td>120-277</td>
<td>1.57 - 0.68</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-27200-L12-UNV</td>
<td>Tunnel/Viaduct Fixture</td>
<td>200</td>
<td>202</td>
<td>20,200</td>
<td>120-277</td>
<td>1.74 - 0.75</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-27220-L12-UNV</td>
<td>Tunnel/Viaduct Fixture</td>
<td>220</td>
<td>222</td>
<td>22,000</td>
<td>120-277</td>
<td>1.92 - 0.83</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>32 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 .................................. 5,000°K
- 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
- Housing IP Rating .................................. IP65
- Driver IP Rating .................................. IP67
- Optics IP Rating .................................. IP68
- Warranty ......................................... 10 Year

## MOUNTING OPTIONS

- Adjustable Yoke Mount
- Adjustable Surface Mount
- Surface Mount

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GENERAL DESCRIPTION
Neptun’s modular LED high-mast fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-31 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The High output LED’s and custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 1000W

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

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Continuous silicone gasket surrounds lens for weather tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High Output COB LED’s.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- 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: Bi-Level Dimming, 0-10V Dimming, WI-Fi Control, Remote Monitoring and ON/ OFF Control

ORDERING INFORMATION
Sample Number: LED-31400-M5-UNV-0-10VDIM-SF-850-LD-T3-GRY
Custom options and accessories available. Please consult factory
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial 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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<tbody>
<tr>
<td>LED-31400-M5-UNV</td>
<td>High-Mast Fixture</td>
<td>400</td>
<td>405</td>
<td>40,000</td>
<td>120-277</td>
<td>4.08 - 1.51</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>50 lbs.</td>
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</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 ............................................. 5,000°K
- 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
- ETL Listed / UL Standard 1598 .............................. Yes
- EPA Rating ........................................................ 0.68 ft.²
- Housing IP Rating .............................................. IP65
- Driver IP Rating ................................................ IP67
- Optics IP Rating ............................................... IP68
- Warranty ........................................................ 10 Year

MOUNTING CONFIGURATION

- Slip Fitter Mount (SF)........................................
  2-1/2" I.D. Accepts up to 2-3/8" Tenon or Pipe
- Yoke Mount (YK)................................................

DRILLING PATTERNS

- SA6, SA6R
  1/2" dia. hole (middle)
  7/16" dia. holes (2)
- WM6
  1/2" dia. hole (middle)
  7/16" dia. holes (4)

PHOTOMETRICS (See Complete IES File)

- Type 3 Distribution
- Type 5 Distribution

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GENERAL DESCRIPTION
Neptun’s LED High-Mast fixture features classic form and durability to be used in new construction or retrofit applications. The LED-HM62 series fixture features excellent optics and its rugged design allows for use in a variety outdoor applications. It can replace existing HID & HPS fixtures up to 1500 Watts.

APPLICATION
- High-Mast Lighting
- Sports Field Lighting
- Yard Lighting
- Area & Storage Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Heat and impact resistant tempered glass lens with anti-glare diffuser.
- Continuous silicone gasket surrounds lens for weather-tight seal.
- Adjustable yoke mount or pole mount available.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- LED engine design with Advanced Thermal Management.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- High Output LED’s.
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED’s, Driver, & Housing)
- Optional: 0-10V Dimming, Wi-Fi Control, Remote Monitoring and ON/OFF Control

ORDERING INFORMATION
Sample Number: LED-HM62-500-UNV-0-10VDIM-850-B06
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>
</tr>
</thead>
<tbody>
<tr>
<td>LED-HM62 = High-Mast</td>
<td>500 = 500 W</td>
<td>UNV = 120-277 VAC 347V = 347 VAC 480V = 480 VAC</td>
<td>0-10VDIM = 0-10V Dimming * Contact Factory for dimming options.</td>
<td>835 = 3500°K 841 = 4100°K 850 = 5000°K * Standard</td>
<td>LD = Twist-Lock Photocell</td>
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</table>
## Product Information

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Universal Line Voltage (VAC)</th>
<th>Max Line Current (Amp) @ 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-HM62-500-UNV</td>
<td>High-Mast Fixture</td>
<td>500</td>
<td>502</td>
<td>45,000</td>
<td>120-277</td>
<td>4.37 - 1.89</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>60 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**: 5,000°K
- **Color Rendering Index (CRI)**: > 80
- **Minimum Starting Temperature**: -40°C
- **Maximum Starting Temperature**: +50°C
- **Lumens per Watt**: > 90
- **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**: 2.47 ft.²
- **Housing IP Rating**: IP65
- **Driver IP Rating**: IP67
- **Optics IP Rating**: IP65
- **Warranty**: 5 Year

## Mounting Options

- **216° Adjustable Yoke Bracket**
- **Pole Mount**

## Photometrics (See Complete IES File)

- **60° Beam**

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Spec. Rev. 4-2015
LED Lighting Limited Warranty

NEPTUN Light, Inc (“NEPTUN”), 13950 Business Center Dr, Lake Forest, IL 60045 warrants that it’s LED (Light Emitting Diodes) light bulbs and LED lighting systems will be free from defect in material and workmanship from the date of installation for 5 years.

This warranty is conditioned upon proper storage, installation, use and maintenance. This warranty is not applicable to any Neptun LED lighting products which are not installed and operated in accordance with the current edition of the National Electric Code (NEC), the Standards for Safety of Underwriter’s Laboratories, INC (UL), the Standards of the American National Standards Institute (ANSI), and with NEPTUN’s instructions and guidelines for LED bulb and LED lighting systems. This warranty is not applicable to any Neptun LED lighting products subjected to abnormal stresses and operating conditions.

NEPTUN shall correct any defects, at NEPTUN’s option, by either repairing any defective part or parts or by replacing any defective part or parts or by making available a new replacement part at no charge.

The conditions of any test concerning any Neptun LED products which are claimed to have not performed to the warranty shall be mutually agreed upon in writing and NEPTUN shall be notified of, and may be represented at any such tests. This express limited warranty is extended by NEPTUN only to original or first end-user purchaser.

This warranty is valid only if registered by end-user, purchaser, upon receipt by NEPTUN of the WARRANTY REGISTRATION FORM with specific information about the LED light bulb and LED lighting system installation. Product Warranty only valid once invoice is paid in full according to terms.

NO IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY BEYOND THE AFOREMENTIONED WARRANTY PERIOD. The foregoing warranty is exclusive of all other statutory, written or oral warranties, and no other warranties of any kind, statutory or otherwise, are given or herein expressed. This warranty sets forth NEPTUN’s responsibilities regarding the Neptun LED lighting systems and claimant’s exclusive remedy.

LIMITATION OF LIABILITY. NEPTUN will not under any circumstances whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise be liable for consequential, incidental, special or exemplary damages including but not limited to, loss of profits or revenues, loss of use of Neptun LED products or any other goods or associated equipment or damage to any associated equipment, cost of capital, cost of substitute products, facilities of services, down time cost, or claims of claimant’s customers.

NEPTUN’s liability or any claim of any kind for any loss or damages arising out of, resulting from or concerning any aspect of this agreement of from the product or services furnished hereunder shall not exceed the price of the specific LED product which gives rise to the claim.

This warranty gives the claimant specific legal rights. The claimant may also have other rights which vary from state to state.

NOTE: For more information please call Customer Service at 1-888-735-8330 or email: orders@neptunlight.com

Revision Date: February, 2015
LED Lighting Limited Warranty

NEPTUN Light, Inc ("NEPTUN"), 13950 Business Center Dr., Lake Forest, IL 60045 warrants that its LED (Light Emitting Diodes) Fixtures utilizing COB (Chip on Board) technology with Glass Lens design will be free from defect in material and workmanship from the date of installation for 10 years.

This warranty is conditioned upon proper storage, installation, use and maintenance. This warranty is not applicable to any Neptun LED COB lighting products which are not installed and operated in accordance with the current edition of the National Electrical Code (NEC), the Standards for Safety of Underwrites’ Laboratories, INC. (UL), the Standards of the American National Standards Institute (ANSI), and with NEPTUN’s instruction and guidelines for the LED COB lighting systems. This warranty is not applicable to any Neptun LED COB lighting products subjected to abnormal stresses and operating conditions.

NEPTUN shall correct any defects, at NEPTUN’s option, by either repairing any defective part or parts or by replacing any defective part or parts or by making available a new replacement part at no charge.

The conditions of any tests concerning any NEPTUN LED COB products which are claimed to have not performed to this warranty shall be mutually agreed upon in writing and NEPTUN shall be notified of, and may be represented at any such tests. This express limited warranty is extended by NEPTUN only to be the original or first end-user purchaser.

This warranty is valid only if registered by end-user, purchaser, upon receipt by NEPTUN of the WARRANTY REGISTRATION FORM with specific information about the LED COB lighting system installation. Product Warranty only valid once invoice is paid in full according to terms.

NO IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY BEYOND THE AFOREMENTIONED WARRANTY PERIOD. The foregoing warranty is exclusive of all other statutory, written or oral warranties, and no other warranties of any kind, statutory or otherwise, are given or herein expressed. This warranty sets forth NEPTUN’s responsibilities regarding the Neptun LED COB lighting system and claimant’s exclusive remedy.

LIMITATION OF LIABILITY. NEPTUN will not under any circumstances whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise be liable for consequential, incidental, special or exemplary damages including but not limited to, loss of profits or revenues, loss of use of NEPTUN LED COB products or any other goods or associated equipment or damage to any associated equipment, cost of capital, cost of substitute products, facilities of services, down time cost, or claims or claimant’s customers.

NEPTUN’s liability on any claim of any kind for any loss or damages arising out of, resulting from or concerning any aspect of this agreement of from the product or services furnished hereunder shall not exceed the price of the specific LED COB product which gives rise to the claim.

This warranty gives the claimant specific legal rights. The claimant may also have other rights which vary from state to state.

NOTE: For more information please call Customer Service at 1-888-735-8330 or email: orders@neptunlight.com
Neptun Light is a leader in the manufacture of energy efficient retrofit products and light fixtures in the fields of LED, Induction, and Solar technology. We boast a highly diversified product portfolio of indoor and outdoor products. Additionally, our products span a wide range of commercial, industrial, government, and utility infrastructure applications. Neptun Light achieves its level of success through timely development of new technology that caters to a constantly evolving marketplace. Among Neptun Light’s core values are continuous innovation, high quality products, a focus on energy conservation, and an uncompromised commitment to customer service.