NEPTÜN LIGHT

MODULAR PARKING LOT FIXTURES

M2

LED

GENERAL DESCRIPTION

Neptun’s LED parking lot 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 250W

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: 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-31100-M2-UNV-0-10VDIM-SF-850-LD-T3-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>Mounting</th>
<th>CCT</th>
<th>Accessories</th>
<th>Optics</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-31</td>
<td>Area/Parking Fixture</td>
<td>100-M2 = 100 W</td>
<td>UNV = 120-277 VAC 480V = 480 VAC 24VDC = 24 VDC</td>
<td>0-10VDIM = 0-10V Dimming BL-DIM = Bi-Level Dimming * Includes Motion Sensor S46 = 4&quot; Side Arm S46R = 4&quot; Side Arm (round pole adapter) WMO = 0&quot; Wall Mount WM6 = 6&quot; Wall Mount SF = Slip Fitter YK = Yoke Bracket * See Pg. 2 for mounting options</td>
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<tr>
<td></td>
<td>120-M2 = 120 W</td>
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<td></td>
<td>835 = 3500°K 841 = 4100°K 850 = 5000°K * Standard</td>
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<td>LD = Twistlock Photocell MD = Motion Sensor ON/OFF LGN = Light genie Node **</td>
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<td></td>
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<td>T3 = Type 3 T5 = Type 5</td>
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<td>GRY = Grey BRZ = Bronze * Custom Colors Available</td>
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</tbody>
</table>

Incredible 75,000 hrs

REPLACEMENT FOR 250W HID

Please check latest update for complete information:

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>
</tr>
</thead>
<tbody>
<tr>
<td>LED-31100-M2-UNV</td>
<td>LED Area Fixture</td>
<td>100</td>
<td>102</td>
<td>10,200</td>
<td>120-277</td>
<td>1.02 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-31120-M2-UNV</td>
<td>LED Area Fixture</td>
<td>120</td>
<td>122</td>
<td>11,590</td>
<td>120-277</td>
<td>1.22 - 0.45</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
- LED / Driver System Life .................................. 75,000 Hrs.
- Lumen Maintenance @50,000Hrs ............................. > 70%
- 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
- ETL Listed / UL Standard 1598 ........................... Yes
- EPA Rating ....................................................... 0.71 ft.²
- Housing IP Rating ............................................. IP65
- Driver IP Rating ............................................... IP67
- Optics IP Rating ............................................... IP68
- Warranty ........................................................ 10 Year

MOUNTING CONFIGURATION

- Wall Mount (WM6)
- Arm Mount Single (SA6, SA10)
- Slip Fitter Mount (SF)
- Yoke Mount (YK)

2-1/2" I.D. Accepts up to 2-3/8" Tenon or Pipe

DRILLING PATTERNS

SA6, SA6R

1/2" dia. hole (middle)
7/16" dia. holes (2)

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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