GENERAL DESCRIPTION
Neptun's 16" LED shoebox combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-16 series shoebox fixture is offered in a variety of wattages and mounting options to provide maximum flexibility in all types of applications. It can replace existing HID & HPS fixtures up to 400W.

APPLICATION
- Parking Lot Lighting
- Car Lot Lighting
- Area & Storage Lighting
- Street Lighting
- Walkway Lighting
- Building Accent Lighting

ORDERING INFORMATION
Sample Number: LED-16100-UNV-0-10VDIM-SA6-850-LD-T3-BRZ
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-16</td>
<td>080 = 80 W</td>
<td>UNV = 120-277 VAC</td>
<td>SA6 = 6&quot; Side Arm</td>
<td>SA6 = 6&quot; Side Arm</td>
<td>3500°K</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td>347V = 347 VAC</td>
<td>SA12 = 12&quot; Side Arm</td>
<td>SA6 = 6&quot; Side Arm</td>
<td>4100°K</td>
<td></td>
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<tr>
<td></td>
<td>120 = 120 W</td>
<td>480V = 480 VAC</td>
<td>SA12R = 12&quot; Side Arm</td>
<td>WM6 = 6&quot; Wall Mount</td>
<td>5000°K</td>
<td></td>
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<tr>
<td></td>
<td>150 = 150 W</td>
<td>24VDC = 24 VDC</td>
<td>(round pole adapter)</td>
<td>WM12 = 12&quot; Wall Mount</td>
<td>* Standard</td>
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<td></td>
<td></td>
<td>* Includes Motion Sensor</td>
<td>* See Pg. 2 for mounting options</td>
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<tr>
<td>0-10VDIM</td>
<td>0-10V Dimming</td>
<td>835 = 3500°K</td>
<td>LD = Twillock Photocell</td>
<td>T3 = Type 3</td>
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<td></td>
<td>BL-DIM = Bi-Level Dimming *</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor</td>
<td>T5 = Type 5</td>
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<tr>
<td></td>
<td>* Includes Motion Sensor</td>
<td>850 = 5000°K</td>
<td>ON/OFF</td>
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<td></td>
<td></td>
<td></td>
<td>FSGS = Front Side Glare Shield</td>
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<td></td>
<td></td>
<td></td>
<td>BSFG = Front Side Glare Shield</td>
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<td>LGN = Light Genie Node **</td>
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<td>* Contact factory for product information</td>
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</tbody>
</table>

Please check latest update for complete information:
http://www.designlights.org/ssl/about/QualifiedProductsList_Publicv2.php

Incredible 75,000 hrs

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds optics for weather-tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High Output COB 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.
- 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
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-16080-UNV</td>
<td>LED Parking Lot 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-16100-UNV</td>
<td>LED Parking Lot Fixture</td>
<td>100</td>
<td>102</td>
<td>9,486</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>25 lbs</td>
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<tr>
<td>LED-16120-UNV</td>
<td>LED Parking Lot Fixture</td>
<td>120</td>
<td>122</td>
<td>11,590</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>
<tr>
<td>LED-16150-UNV</td>
<td>LED Parking Lot Fixture</td>
<td>150</td>
<td>153</td>
<td>13,770</td>
<td>120-277</td>
<td>1.31 - 0.56</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 I
- 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 @50,000 Hrs: > 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: 0.96 ft²
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

MOUNTING CONFIGURATION

- Wall Mount (WM6, WM12)
- Arm Mount Single (SA6, SA12)
- Arm Mount 2 @ 90° (SA6, SA12)
- Arm Mount 3 @ 120° (SA6, SA12)
- Arm Mount Single (SA6, SA12)
- Arm Mount 2 @ 90° (SA6, SA12)
- Arm Mount 4 @ 90° (SA6, SA12)

DRILLING PATTERNS

- SA6, SA12, SA6R, SA12R
- 3/4” dia. hole (middle)
- 5/16” dia. holes (2)
- WM6, WM12
- 3/4” dia. hole
- 5/16” dia. holes (4)

PHOTOMETRICS (See Complete IES File)

Type 3 Distribution
Type 5 Distribution

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