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-435 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 400W.

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 bronze finish (custom colors available).
· 3.125” I.D. Slip Fitter Accepts up to 3” Pipe or Tenon.
· Adjustable tilt mounting arm allows for desired angle of fixture.
· 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, Remote Monitoring and ON/OFF Control, DC 24V Operation - Solar Compatible

ORDERING INFORMATION
Sample Number: LED-435100-UNV-0-10VDIM-850-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>Color Temp</th>
<th>Accessories</th>
<th>Optics</th>
<th>Color</th>
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<tbody>
<tr>
<td>LED-435</td>
<td>080</td>
<td>120-277 VAC</td>
<td>UNV = 120-277 VAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>347 VAC</td>
<td>347V = 347VAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>120</td>
<td>480 VAC</td>
<td>480V = 480VAC</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>150</td>
<td>24VDC</td>
<td>24VDC = 24VDC</td>
<td></td>
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<tr>
<td></td>
<td>835</td>
<td>3500°K</td>
<td>835 = 3500°K</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>841</td>
<td>4100°K</td>
<td>841 = 4100°K</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>850</td>
<td>5000°K</td>
<td>850 = 5000°K *</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>** Includes Pole Mounted Motion Sensor**</td>
<td></td>
<td>MDP = Pole Mounted Motion Sensor</td>
<td>T3 = Type 3</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>** Contact factory for dimming options**</td>
<td></td>
<td></td>
<td>T5 = Type 5</td>
<td>BRZ = Bronze</td>
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* Standard
* Custom Colors Available

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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) @ 120 - 277</th>
<th>THD</th>
<th>Power Factor</th>
<th>Weight</th>
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<tbody>
<tr>
<td>LED-435080-UNV</td>
<td>LED Area Fixture</td>
<td>80</td>
<td>81</td>
<td>8,000</td>
<td>120-277</td>
<td>0.34 - 0.15</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>35 lbs</td>
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<tr>
<td>LED-435100-UNV</td>
<td>LED Area Fixture</td>
<td>100</td>
<td>101</td>
<td>10,000</td>
<td>120-277</td>
<td>0.52 - 0.22</td>
<td>&lt;20%</td>
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<tr>
<td>LED-435120-UNV</td>
<td>LED Area Fixture</td>
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<td>121</td>
<td>12,000</td>
<td>120-277</td>
<td>0.69 - 0.30</td>
<td>&lt;20%</td>
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<tr>
<td>LED-435150-UNV</td>
<td>LED Area Fixture</td>
<td>150</td>
<td>151</td>
<td>15,000</td>
<td>120-277</td>
<td>0.87 - 0.37</td>
<td>&lt;20%</td>
<td>&gt;0.90</td>
<td>35 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
- 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
- EPA Rating 1.57 ft²
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

MOUNTING OPTIONS

- Post-Top Mount
  - Accepts up to 3" O.D. Round Tenon or Pole

- Arm Mount
  - Accepts up to 3" O.D. Round Tenon or Pole

- Post-Top Tenon Mount
  - Accepts up to 3" O.D. Round Tenon or Pole
  - (Standard)
  - 90° Tenon Mount
  - (90DTM) Sold Separately

PHOTOMETRICS

Type 3 Distribution

Type 5 Distribution

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. 1-2015