THE BEST SOLUTION
Neptun’s Solar Lighting Systems feature long life LED & Induction lighting, LFP or GEL Battery Packs, Charge Controllers, and Polycrystalline Solar Panels. The off grid operation eliminates many of the high costs associated with standard lighting installations.
- No expensive trenching
- No expensive transformers
- No meters required.

BATTERY TYPES OFFERED
- LFP systems are estimated @ 5,000 life cycles / 365 days/year = 14 years estimated life
- GEL systems are estimated @ 1,800 life cycles / 365 days/year = 5 years estimated life

Incredible OFF GRID Operation

<table>
<thead>
<tr>
<th>Fixture Wattage</th>
<th>GEL Battery Needed</th>
<th>LFP Battery Needed</th>
<th>Solar Panel Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>40W</td>
<td>70Ah</td>
<td>70Ah</td>
<td>150W</td>
</tr>
<tr>
<td>50W</td>
<td>70Ah</td>
<td>70Ah</td>
<td>150W</td>
</tr>
<tr>
<td>60W</td>
<td>70Ah</td>
<td>70Ah</td>
<td>190W</td>
</tr>
<tr>
<td>70W</td>
<td>100Ah</td>
<td>100Ah</td>
<td>235W</td>
</tr>
<tr>
<td>80W</td>
<td>100Ah</td>
<td>100Ah</td>
<td>235W</td>
</tr>
<tr>
<td>90W</td>
<td>100Ah</td>
<td>100Ah</td>
<td>300W</td>
</tr>
<tr>
<td>100W</td>
<td>150Ah</td>
<td>100Ah</td>
<td>300W</td>
</tr>
<tr>
<td>110W</td>
<td>150Ah</td>
<td>100Ah</td>
<td>300W</td>
</tr>
<tr>
<td>120W</td>
<td>200Ah</td>
<td>180Ah</td>
<td>(2) 235W</td>
</tr>
<tr>
<td>150W</td>
<td>200Ah</td>
<td>180Ah</td>
<td>(2) 235W</td>
</tr>
<tr>
<td>175W</td>
<td>250Ah</td>
<td>180Ah</td>
<td>(2) 300W</td>
</tr>
</tbody>
</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. ©2002-2013 Neptun Light, Inc. All rights reserved.
THE BEST SOLUTION
Neptun’s Solar Lighting Systems feature long life LED & Induction lighting, LFP or GEL Battery Packs, Charge Controllers, and Polycrystalline Solar Panels. The off grid operation eliminates many of the high costs associated with standard lighting installations. No expensive trenching, transformers, or meters required. These systems are best for new construction or remote areas with needs for quality lighting systems.

APPLICATION
- Street Lighting
- Parking Lot & Area Lighting
- Walkway Lighting
- Park Lighting
- Billboard Lighting

HOW IT WORKS
During the day when the sun shines, the solar panel converts the sun’s energy into electricity and stores it in the battery system. At night time, the battery discharges and releases this stored energy to power the Induction or LED luminaire. Based on the smart charge controller system, the amount of sunlight that the panel detects will allow the system to turn on and off with no monitoring needed.
Incredible OFF GRID Operation

GENERAL DESCRIPTION
Neptun’s Solar Panels feature a robust solar module with 36 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications along side Neptun’s solar compatible lighting fixtures and battery systems. Solar Panel acts as photocell to turn fixtures on and off when used with Neptun Battery System and 24VDC Fixtures.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- 6” high-efficiency 180-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 25 Year Warranty on complete unit.

ORDERING INFORMATION
Sample Number: NE-PPV-150W-SF
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Module Type</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE</td>
<td>PPV</td>
<td>150W</td>
<td>SF</td>
</tr>
<tr>
<td>Neptun Energy</td>
<td>Polycrystalline Solar Panel</td>
<td>150 Watt</td>
<td>Slip Fitter Mount</td>
</tr>
</tbody>
</table>
DATA - AT STANDARD TEST CONDITIONS (STC)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Short-Circuit Voltage (A)</th>
<th>Module Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-150W</td>
<td>≥ 150</td>
<td>18.68</td>
<td>8.03</td>
<td>22.63</td>
<td>8.73</td>
<td>14.0</td>
</tr>
</tbody>
</table>

* STC (1,000 W/m², AM 1.5 cell temperature 25°C)
* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

DATA - AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-150W</td>
<td>≥ 108</td>
<td>15.6</td>
<td>6.5</td>
<td>20.0</td>
<td>45.5</td>
</tr>
</tbody>
</table>

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

DATA - TEMPERATURE COEFFICIENTS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power ( % / °C )</th>
<th>Open-Circuit Voltage ( % / °C )</th>
<th>Short-Circuit Current ( % / °C )</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-150W</td>
<td>-0.44</td>
<td>-0.32</td>
<td>+0.04</td>
</tr>
</tbody>
</table>

DATA - AT LOW IRRADIATION

* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

SPECIFICATIONS
- Cell Type: Poly-crystalline
- Cell Arrangement: 60 (6 x 10)
- System Voltage: 600 VDC
- Maximum Reverse Current: 15 A
- Operating Module Temperature: -40°C to +85°C
- Maximum Load: 75 lbs/ft²
- Total Harmonic Distortion: < 15%
- Weight: 30 lbs
- EPA Rating: 10.1 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- ARRA Compliant: Yes
- Warranty: 10 Year
- Performance Warranty: 25 Year @ 80% output

MOUNTING OPTIONS

Adjustable Slip Fitter Mount

2-1/2” I.D.
Accepts up to 2-3/8” Round Tenon or Pipe
GENERAL DESCRIPTION
Neptun’s Solar Panels feature a robust solar module with 48 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications along side Neptun’s solar compatible lighting fixtures and battery systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- 6" high-efficiency 80-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 5 Year Warranty on complete unit.

ORDERING INFORMATION
Sample Number: NE-PPV-190W-SF
Custom options and accessories available. Please consult factory
DATA - At Standard Test Conditions (STC)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Short-Circuit Voltage (A)</th>
<th>Module Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-190W</td>
<td>≥ 190</td>
<td>30.2</td>
<td>7.78</td>
<td>37.1</td>
<td>8.42</td>
<td>14.0</td>
</tr>
</tbody>
</table>

* STC (1,000 W/m², AM 1.5 cell temperature 25°C)
* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

DATA - At Normal Operating Cell Temperature (NOCT)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-190W</td>
<td>≥ 149</td>
<td>27.2</td>
<td>6.75</td>
<td>33.9</td>
<td>45.5</td>
</tr>
</tbody>
</table>

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

DATA - Temperature Coefficients

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power (% / °C)</th>
<th>Open-Circuit Voltage (% / °C)</th>
<th>Short-Circuit Current (% / °C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-190W</td>
<td>-0.44</td>
<td>-0.32</td>
<td>+0.04</td>
</tr>
</tbody>
</table>

DATA - At Low Irradiation

* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

SPECIFICATIONS

- Cell Type: Poly-crystalline
- Cell Arrangement: 60 (6 x 10)
- System Voltage: 600 VDC
- Maximum Reverse Current: 15 A
- Operating Module Temperature: -40°C to +85°C
- Maximum Load: 75 lbs/ft²
- Total Harmonic Distortion: < 15%
- Weight: 58 lbs
- EPA Rating: 16.8 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 5 Year
- Performance Warranty: 25 Year @ 80% output

MOUNTING OPTIONS

Adjustable Slip Fitter Mount

2-1/2" I.D. Accepts up to 2-3/8" Round Tenon or Pipe
GENERAL DESCRIPTION
Neptun’s Solar Panels feature a robust solar module with 60 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications alongside Neptun’s solar compatible lighting fixtures and battery systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- 6” high-efficiency 180-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 5 Year Warranty on complete unit.

ORDERING INFORMATION
Sample Number: NE-PPV-235W-SF
Custom options and accessories available. Please consult factory

Series | System | Module Type | Mounting
--- | --- | --- | ---
NE = Neptun Energy | PPV = Polycrystalline Solar Panel | 235W = 235 Watt | SF = Slip Fitter Mount
DATA - AT STANDARD TEST CONDITIONS (STC)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Short-Circuit Voltage (A)</th>
<th>Module Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-235W</td>
<td>≥ 235</td>
<td>30.2</td>
<td>7.78</td>
<td>37.1</td>
<td>8.42</td>
<td>14.0</td>
</tr>
</tbody>
</table>

* STC (1,000 W/m², AM 1.5 cell temperature 25°C)
* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

DATA - AT NORMAL OPERATING CELL TEMPERATURE (NOCT)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-235W</td>
<td>≥ 169</td>
<td>27.2</td>
<td>6.75</td>
<td>33.9</td>
<td>45.5</td>
</tr>
</tbody>
</table>

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

DATA - TEMPERATURE COEFFICIENTS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power (% / °C)</th>
<th>Open-Circuit Voltage (% / °C)</th>
<th>Short-Circuit Current (% / °C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-235W</td>
<td>-0.44</td>
<td>-0.32</td>
<td>+0.04</td>
</tr>
</tbody>
</table>

DATA - AT LOW IRRADIATION

* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

SPECIFICATIONS

- Cell Type: Poly-crystalline
- Cell Arrangement: 60 (6 x 10)
- System Voltage: 600 VDC
- Maximum Reverse Current: 15 A
- Operating Module Temperature: -40°C to +85°C
- Maximum Load: 75 lbs/ft²
- Total Harmonic Distortion: < 15%
- Weight: 58 lbs
- EPA Rating: 16.8 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 5 Year

MOUNTING OPTIONS

Adjustable Slip Fitter Mount

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

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.
©2002-2013 Neptun Light, Inc. All rights reserved.
Spec. Rev. 8-2012
GENERAL DESCRIPTION
Neptun’s Solar Panels feature a robust solar module with 60 solar cells. The meticulous design ensures a high-yield, long-term performance for every module produced. Can be used in a variety of applications along side Neptun’s solar compatible lighting fixtures and battery systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- 6” high-efficiency 180-200 micron thick silicon cells.
- Robust anodized aluminum frame to stand up to 5400 Pa load.
- Low-iron solar glass front panel with anti-reflective surface.
- Outstanding performance at low irradiance.
- High energy yield at Low NOCT.
- High module efficiency up to 15.85%.
- Positive power tolerance: 0 - +5W.
- Frame and slip-fitter mounting system included.
- Weather-tight whips provided for all connection cords.
- 5 Year Warranty on complete unit.

ORDERING INFORMATION
Sample Number: NE-PPV-300W-SF
Custom options and accessories available. Please consult factory

Series | System | Module Type | Mounting
--- | --- | --- | ---
NE = Neptun Energy | PPV = Polycrystalline Solar Panel | 300W = 300 Watt | SF = Slip Fitter Mount

lightinnovations@work™
**DATA - At Standard Test Conditions (STC)**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Short-Circuit Voltage (A)</th>
<th>Module Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-300W</td>
<td>≥ 300</td>
<td>45.1</td>
<td>8.94</td>
<td>35.2</td>
<td>8.52</td>
<td>15.3</td>
</tr>
</tbody>
</table>

* STC (1,000 W/m², AM 1.5 cell temperature 25°C)
* Power sorting tolerance (as measured by flasher): -0 Watts / +4.99 Watts

**DATA - At Normal Operating Cell Temperature (NOCT)**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Power (WP)</th>
<th>Voltage @ Nominal Power (V)</th>
<th>Current @ Nominal Power (A)</th>
<th>Open-Circuit Voltage (V)</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-300W</td>
<td>≥ 280</td>
<td>42.2</td>
<td>7.75</td>
<td>33.9</td>
<td>46.2</td>
</tr>
</tbody>
</table>

* NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C

**DATA - Temperature Coefficients**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power (% / °C)</th>
<th>Open-Circuit Voltage (% / °C)</th>
<th>Short-Circuit Current (% / °C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-PPV-300W</td>
<td>-0.44</td>
<td>-0.32</td>
<td>+0.04</td>
</tr>
</tbody>
</table>

**DATA - At Low Irradiation**

* At a low irradiation intensity of 200 W/m² (AM 1.5 and cell temperature 25°C) 97% of the STC module efficiency (1000 W/m²) will be achieved

**SPECIFICATIONS**

- Cell Type: Poly-crystalline
- Cell Arrangement: 60 (6 x 10)
- System Voltage: 600 VDC
- Maximum Reverse Current: 15 A
- Operating Module Temperature: -40°C to +85°C
- Maximum Load: 30 psf
- Weight: 65 lbs
- EPA Rating: 16.8 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Product Warranty: 10 Year
- Performance Warranty: 25 Year @ 80% output

**MOUNTING OPTIONS**

Adjustable Slip Fitter Mount

2-1/2” I.D. Accepts up to 2-3/8” Round Tenon or Pipe
GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24V lighting fixtures (40-50W).

ORDERING INFORMATION

Sample Number: NE-VLFP-70Ah-24VDC-RPM

Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE</td>
<td>VLFP</td>
<td>70Ah</td>
<td>24VDC</td>
<td>RPM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>70 Amp Hour</td>
<td>24 Volt DC</td>
<td>Round Pole Mount</td>
</tr>
</tbody>
</table>

**Light Innovations @ Work™**

service@neptunlight.com | www.NeptunLight.com | 888.735.8330
## PRODUCT INFORMATION - LFP 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-VLFP-70Ah-24VDC</td>
<td>70 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

## PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- **Battery Type**: Lithium Iron Phosphate
- **System Voltage**: 24 VDC
- **Charge Operating Temperature**: 0°C - 45°C
- **Discharge Operating Temperature**: -20°C - 60°C
- **Storage Temperature**: -20°C - 55°C
- **Storage Humidity**: < 85%
- **System Cycles**: 5,000
- **Weight**: 120 lbs
- **EPA Rating**: 1.33 ft²
- **FCC Compliance**: Part 18, Subp. C
- **UL Standard 1703**: Yes
- **Warranty**: 5 Year

## MOUNTING OPTIONS

- **Round Pole Mount (RPM)**
- **Square Pole Mount (SQPM)**

---

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. ©2002-2013 Neptun Light, Inc. All rights reserved.
GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Free standing mount.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24V lighting fixtures (40-50W).

ORDERING INFORMATION

Sample Number: NE-HLFP-70Ah-24VDC-FSM
Custom options and accessories available. Please consult factory

- Series: NE = Neptun Energy
- System: HLFP = Lithium Iron Phosphate
- Battery Size: 70Ah = 70 Amp Hour
- Voltage: 24VDC = 24 Volt DC
- Mounting: FSM = Free Standing Mount

service@neptunlight.com  www.NeptunLight.com  888.735.8330
### PRODUCT INFORMATION - LFP 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-HLFP-70Ah-24VDC</td>
<td>70 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

### PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- Battery Type: Lithium Iron Phosphate
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 5,000
- Weight: 120 lbs
- EPA Rating: 1.33 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 5 Year

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun’s LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications alongside Neptun’s solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures (60-80W).

ORDERING INFORMATION
Sample Number: NE-LFP-100Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE</td>
<td>VLFP</td>
<td>100Ah</td>
<td>24VDC</td>
<td>RPM</td>
</tr>
</tbody>
</table>

**NE** = Neptun Energy  
**VLFP** = Lithium Iron Phosphate  
**100Ah** = 100 Amp Hour  
**24VDC** = 24 Volt DC  
**RPM** = Round Pole Mount  
**SQPM** = Square Pole Mount
**PRODUCT INFORMATION - LFP 24V Battery**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-VLFP-100Ah-24VDC</td>
<td>100 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

**PRODUCT INFORMATION - PWM Solar Charge Controller**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Battery Type: Lithium Iron Phosphate
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 5,000
- Weight: 140 lbs
- EPA Rating: 2.0 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 5 Year

**MOUNTING OPTIONS**

- Round Pole Mount (RPM)
- Square Pole Mount (SQPM)
**Incredible OFF GRID Operation**

**GENERAL DESCRIPTION**
Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

**APPLICATION**
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

**STRUCTURE, MATERIALS, & FEATURES**
- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Free standing mount.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures (60-80W).

**ORDERING INFORMATION**
Sample Number: NE-LFP-100Ah-24VDC-FSM
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE =  Neptun Energy</td>
<td>HLFP = Lithium Iron Phosphate</td>
<td>100Ah = 100 Amp Hour</td>
<td>24VDC = 24 Volt DC</td>
<td>FSM = Free Standing Mount</td>
</tr>
</tbody>
</table>
PRODUCT INFORMATION - LFP 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-HLFP-100Ah-24VDC</td>
<td>100 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Battery Type: Lithium Iron Phosphate
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 5,000
- Weight: 140 lbs
- EPA Rating: 2.0 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 5 Year
**Incredible OFF GRID Operation**

**GENERAL DESCRIPTION**
Neptun’s LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun’s solar compatible lighting fixtures and PV Solar Panel systems.

**APPLICATION**
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

**STRUCTURE, MATERIALS, & FEATURES**
- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

**ORDERING INFORMATION**
Sample Number: NE-LFP-180Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE = Neptun Energy</td>
<td>VLFP = Lithium Iron Phosphate</td>
<td>180Ah = 180 Amp Hour</td>
<td>24VDC = 24 Volt DC</td>
<td>RPM = Round Pole Mount SQPM = Square Pole Mount</td>
</tr>
</tbody>
</table>
PRODUCT INFORMATION - LFP 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-VLFP-180Ah-24VDC</td>
<td>180 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Battery Type: Lithium Iron Phosphate
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 5,000
- Weight: 170 lbs
- EPA Rating: 2.43 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 5 Year

MOUNTING OPTIONS

- Round Pole Mount (RPM)
- Square Pole Mount (SQPM)

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. ©2002-2013 Neptun Light, Inc. All rights reserved.
**GENERAL DESCRIPTION**

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

**APPLICATION**

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

**STRUCTURE, MATERIALS, & FEATURES**

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Square or Round pole mounting brackets included.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

**ORDERING INFORMATION**

Sample Number: NE-LFP-180Ah-24VDC-FSM

Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE = Neptun Energy</td>
<td>HLFP = Lithium Iron Phosphate</td>
<td>180Ah = 180 Amp Hour</td>
<td>24VDC = 24 Volt DC</td>
<td>FSM = Free Standing Mount</td>
</tr>
</tbody>
</table>
PRODUCT INFORMATION - LFP 24V BATTERY

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-HLFP-180Ah-24VDC</td>
<td>180 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Battery Type: Lithium Iron Phosphate
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 5,000
- Weight: 170 lbs
- EPA Rating: 2.43 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 5 Year
Neptun’s 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for up to 120 hours of use without a single recharge. It can be used in a variety of applications along side Neptun’s solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures

ORDERING INFORMATION
Sample Number: NE-GEL-70Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE</td>
<td>GEL</td>
<td>70Ah = 100 Amp Hour</td>
<td>24VDC = 24 Volt DC</td>
<td>RPM = Round Pole Mount SQPM = Square Pole Mount</td>
</tr>
</tbody>
</table>

RoHS

Incredible OFF GRID Operation

SOLAR

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

©2002-2013 Neptun Light, Inc. All rights reserved.

PRODUCT INFORMATION - GEL 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-GEL-70Ah-24VDC</td>
<td>70 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Battery Type: GEL
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 1,800
- Weight: 100 lbs
- EPA Rating: 2.43 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 2 Year

MOUNTING OPTIONS

Round Pole Mount (RPM)  Square Pole Mount (SQPM)

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004
GENERAL DESCRIPTION
Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for up to 120 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION
· Street Lighting
· Parking Lot Lighting
· Billboard & Sign Lighting
· Parking Garage Lighting
· Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
· Heavy-gauge, die-cast aluminum housing.
· Trojen GEL31 Batteries.
· Intelligent PWM Charge/Discharge Controller for MPPT operation.
· Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
· Corrosion resistant electrocoat gray finish (custom colors available).
· Hinged aluminum door frame incorporates stainless steel hardware.
· Continuous silicone gasketing surrounds housing for weather - tight seal.
· Square or Round pole mounting brackets included.
· 2 Year Warranty on complete unit.
· Compatible with Neptun LED & Induction 24VDC lighting fixtures

ORDERING INFORMATION
Sample Number: NE-GEL-100Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE = Neptun Energy</td>
<td>GEL = GEL</td>
<td>100Ah = 100 Amp Hour</td>
<td>24VDC = 24 Volt DC</td>
<td>RPM = Round Pole Mount SQPM = Square Pole Mount</td>
</tr>
</tbody>
</table>
PRODUCT INFORMATION - GEL 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-GEL-100Ah-24VDC</td>
<td>100 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Battery Type: GEL
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 1,800
- Weight: 100 lbs
- EPA Rating: 2.43 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 2 Year

MOUNTING OPTIONS

Round Pole Mount (RPM)
Square Pole Mount (SQPM)
Incredible OFF GRID Operation

GENERAL DESCRIPTION
Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for up to 120 hours of use without a single recharge. It can be used in a variety of applications alongside Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures

ORDERING INFORMATION
Sample Number: NE-GEL-150Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE = Neptun Energy</td>
<td>GEL = GEL</td>
<td>150Ah = 150 Amp Hour</td>
<td>24VDC = 24 Volt DC</td>
<td>RPM = Round Pole Mount SQPM = Square Pole Mount</td>
</tr>
</tbody>
</table>

light innovations@work™

service@neptunlight.com  www.NeptunLight.com  888.735.8330
PRODUCT INFORMATION - GEL 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-GEL-150Ah-24VDC</td>
<td>150 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Battery Type: GEL
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- System Cycles: 1,800
- Weight: 100 lbs
- EPA Rating: 2.43 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 2 Year

MOUNTING OPTIONS

- Round Pole Mount (RPM)
- Square Pole Mount (SQPM)

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.
©2002-2013 Neptun Light, Inc. All rights reserved.
Spec. Rev. 5-2013
Incredible OFF GRID Operation

GENERAL DESCRIPTION
Neptun’s 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun’s solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

ORDERING INFORMATION
Sample Number: NE-GEL-200Ah-24VDC-RPM
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE = Neptun Energy</td>
<td>GEL = GEL</td>
<td>200Ah = 200 Amp Hour</td>
<td>24VDC = 24 Volt DC</td>
<td>RPM = Round Pole Mount</td>
</tr>
</tbody>
</table>
PRODUCT INFORMATION - GEL 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-GEL-200Ah-24VDC</td>
<td>200 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Battery Type: GEL
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- Weight: 200 lbs
- EPA Rating: 2.43 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 2 Year

MOUNTING OPTIONS

- Round Pole Mount (RPM)
- Square Pole Mount (SQPM)
Incredible OFF GRID Operation

250Ah 24VDC GEL VERTICAL BATTERY PACK
WITH SOLAR CHARGE CONTROLLER

GENERAL DESCRIPTION
Neptun's 24VDC GEL battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Trojan GEL31 Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather-tight seal.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures.

ORDERING INFORMATION
Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

<table>
<thead>
<tr>
<th>Series</th>
<th>System</th>
<th>Battery Size</th>
<th>Voltage</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE</td>
<td>VGEL</td>
<td>250Ah</td>
<td>24VDC</td>
<td>RPM</td>
</tr>
<tr>
<td>Neptun Energy</td>
<td>Vertical mount GEL system</td>
<td>250 Amp Hour</td>
<td>24 Volt DC</td>
<td>Round Pole Mount</td>
</tr>
</tbody>
</table>

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.

Sample Number: NE-VGEL-250Ah-24VDC-RPM
Custom options and accessories available. Please consult factory.
PRODUCT INFORMATION - GEL 24V Battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Typical Capacity</th>
<th>Nominal Voltage</th>
<th>Discharge Cutoff</th>
<th>Max Charge Voltage</th>
<th>Max Discharge Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-GEL-250Ah-24VDC</td>
<td>250 Ah</td>
<td>24V</td>
<td>AUTO @ 20% CAPACITY</td>
<td>40V</td>
<td>20A</td>
</tr>
</tbody>
</table>

PRODUCT INFORMATION - PWM Solar Charge Controller

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Total Rated Charge Current (Max)</th>
<th>Total Rated Load Current (Max)</th>
<th>System Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE-CL10-20-24VDC</td>
<td>20A</td>
<td>20A</td>
<td>24V/12V AUTO</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
- Battery Type: GEL
- System Voltage: 24 VDC
- Charge Operating Temperature: 0°C - 45°C
- Discharge Operating Temperature: -20°C - 60°C
- Storage Temperature: -20°C - 55°C
- Storage Humidity: < 85%
- Weight: 200 lbs
- EPA Rating: 2.43 ft²
- FCC Compliance: Part 18, Subp. C
- UL Standard 1703: Yes
- Warranty: 2 Year

MOUNTING OPTIONS
- Round Pole Mount (RPM)
- Square Pole Mount (SQPM)

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.
©2002-2013 Neptun Light, Inc. All rights reserved.
Spec. Rev. 1-2013
**GENERAL DESCRIPTION**

Neptun's Induction U-Type Retrofit Kits are designed for replacing existing HID systems in indoor and outdoor lighting fixtures. The UT-26 series kit is offered in a variety of wattages and the universal mounting position makes it an excellent choice for a variety of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID lighting systems up to 200W.

**APPLICATION**
- Canopy Fixtures
- Gas Station Fixtures
- Decorative Acorn Fixtures
- Shoebox Fixtures
- High/Low-Bay Fixtures
- Can Lighting Fixtures

**STRUCTURE, MATERIALS, & FEATURES**
- Custom designed aluminum heat sink for superior thermal management.
- Supplied with medium (E26) or mogul base (E40).
- Teflon coated wiring protected from moisture, dust, heat, & cold.
- Inductively coupled u-type induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Amalgam technology with very low mercury content. (Less than 4 mg)
- High quality glare-free light with high CRI (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 5 Year System Warranty.

**ORDERING INFORMATION**

Sample Number: UT-26030RK-24VDC-850-E26
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Lamp Wattage</th>
<th>System</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>UT= U-Shape</td>
<td>26 = Bulb &amp; Ballast</td>
<td>050 = 50 W 065 = 65 W 080 = 80 W 100 = 100W</td>
<td>RK = Retrofit Kit * Bulb &amp; Ballast</td>
<td>24VDC = 24 VDC</td>
<td>830 = 3000°K 841 = 4100°K 850 = 5000°K * Standard</td>
<td>E26 = Medium Base E40 = Mogul Base FM = Flush Mount</td>
</tr>
</tbody>
</table>

---

**24VDC OPERATION**

<table>
<thead>
<tr>
<th>Wattage</th>
<th>A (E26)</th>
<th>A (E40)</th>
<th>A (FM)</th>
<th>B (Diameter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W</td>
<td>7.75 in.</td>
<td>8.50 in.</td>
<td>6.00 in.</td>
<td>5.00 in.</td>
</tr>
<tr>
<td>65W</td>
<td>8.50 in.</td>
<td>9.25 in.</td>
<td>6.75 in.</td>
<td>5.00 in.</td>
</tr>
<tr>
<td>80W</td>
<td>10.00 in.</td>
<td>10.75 in.</td>
<td>8.25 in.</td>
<td>5.00 in.</td>
</tr>
<tr>
<td>100W</td>
<td>10.00 in.</td>
<td>10.75 in.</td>
<td>8.25 in.</td>
<td>5.00 in.</td>
</tr>
</tbody>
</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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>UT-26050RK-24VDC</td>
<td>U-Type RetroFit Kit</td>
<td>50</td>
<td>52</td>
<td>4,000</td>
<td>24</td>
<td>2.18</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>UT-26065RK-24VDC</td>
<td>U-Type RetroFit Kit</td>
<td>65</td>
<td>67</td>
<td>5,200</td>
<td>24</td>
<td>2.84</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>UT-26080RK-24VDC</td>
<td>U-Type RetroFit Kit</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>UT-26100RK-24VDC</td>
<td>U-Type RetroFit Kit</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- ANSI Surge Protection: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- Warranty: 5 Year

BALLAST DIMENSIONS

Wattage | M.L. | W | L | H
---------|------|---|---|---
50W - 100W | 6.00 in. | 3.00 in. | 5.25 in. | 1.75 in.

RECOMMENDED APPLICATION FIXTURES

* Contact Factory for Application Verification.

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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun's Induction circle bulb retrofit kits are designed for replacing existing HID systems in indoor and outdoor lighting fixtures. The NICT series kit is offered in a variety of wattages and the universal mounting position makes it an excellent choice for a variety of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID lighting systems up to 250W.

APPLICATION
- Canopy Fixtures
- Shoebox Fixtures
- Area Lighting Fixtures

STRUCTURE, MATERIALS, & FEATURES
- Custom designed aluminum heat sink for superior thermal management.
- Supplied with medium 2 leg mounting arms.
- Teflon coated wiring protected from moisture, dust, heat, & cold.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Amalgam technology with very low mercury content. (Less than 4 mg)
- High quality glare-free light with high CRI (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 5 Year System Warranty.

ORDERING INFORMATION
Sample Number: NICT-040RK-24VDV-850
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Type</th>
<th>Lamp Wattage</th>
<th>System</th>
<th>Voltage</th>
<th>Color Temp</th>
</tr>
</thead>
</table>
| NICT = Circle Type | 040 = 40 W  
080 = 80 W  
100 = 100 W  
120 = 120 W  
150 = 150 W | RK = Retrofit Kit * Bulb & Ballast | 24VDC = 24 VDC | 830 = 3000°K  
841 = 4100°K  
850 = 5000°K *  
* Standard |
### 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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>NICT-040RK-24VDC</td>
<td>Circular RetroFit Kit</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NICT-080RK-24VDC</td>
<td>Circular RetroFit Kit</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NICT-100RK-24VDC</td>
<td>Circular RetroFit Kit</td>
<td>100</td>
<td>105</td>
<td>7,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NICT-120RK-24VDC</td>
<td>Circular RetroFit Kit</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NICT-150RK-24VDC</td>
<td>Circular RetroFit Kit</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>4 lbs</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- ANSI Surge Protection: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000 Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- Warranty: 5 Year

### BALLAST DIMENSIONS

<table>
<thead>
<tr>
<th>Wattage</th>
<th>M.L.</th>
<th>W</th>
<th>L</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>40W</td>
<td>6.00 in.</td>
<td>3.00 in.</td>
<td>5.25 in.</td>
<td>1.75 in.</td>
</tr>
<tr>
<td>80W</td>
<td>6.00 in.</td>
<td>3.00 in.</td>
<td>5.25 in.</td>
<td>1.75 in.</td>
</tr>
<tr>
<td>100W</td>
<td>6.00 in.</td>
<td>3.00 in.</td>
<td>5.25 in.</td>
<td>1.75 in.</td>
</tr>
<tr>
<td>120W</td>
<td>7.50 in.</td>
<td>4.50 in.</td>
<td>6.25 in.</td>
<td>2.00 in.</td>
</tr>
<tr>
<td>150W</td>
<td>7.50 in.</td>
<td>4.50 in.</td>
<td>6.25 in.</td>
<td>2.00 in.</td>
</tr>
</tbody>
</table>

### RECOMMENDED APPLICATION FIXTURES

* Contact Factory for Application Verification.
Incredible OFF GRID Operation

24VDC OPERATION

ORDERING INFORMATION

Sample Number: NIRT-040RK-24VDV-850
Custom options and accessories available. Please consult factory

GENERAL DESCRIPTION

Neptun's Induction rectangle bulb retrofit kits are designed for replacing existing HID systems in indoor and outdoor lighting fixtures. The NIRT series kit is offered in a variety of wattages and the universal mounting position makes it an excellent choice for a variety of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID lighting systems up to 250W.

APPLICATION

- Canopy Fixtures
- Shoebox Fixtures
- Wall Pack Fixtures
- Flood Light Fixtures
- Area Lighting Fixtures

STRUCTURE, MATERIALS, & FEATURES

- Custom designed aluminum heat sink for superior thermal management.
- Supplied with medium 2 leg mounting arms.
- Teflon coated wiring protected from moisture, dust, heat, & cold.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Amalgam technology with very low mercury content. (Less than 4 mg)
- High quality glare-free light with high CRI (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 5 Year System Warranty.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Type</th>
<th>Lamp Wattage</th>
<th>System</th>
<th>Voltage</th>
<th>Color Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIRT</td>
<td>040 = 40 W</td>
<td>RK = Retrofit Kit</td>
<td>24VDC = 24 VDC</td>
<td>830 = 3000°K</td>
</tr>
<tr>
<td></td>
<td>080 = 80 W</td>
<td>* Bulb &amp; Ballast</td>
<td></td>
<td>841 = 4100°K</td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td></td>
<td>850 = 5000°K *</td>
</tr>
<tr>
<td></td>
<td>120 = 120 W</td>
<td></td>
<td></td>
<td>* Standard</td>
</tr>
<tr>
<td></td>
<td>150 = 150 W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: NIRT-040RK-24VDV-850
Custom options and accessories available. Please consult factory
Neptun Light, Inc. reserves the right to change materials or modify the design of its products without notice as part of the company's continuing product improvement program.

©2002-2013 Neptun Light, Inc. All rights reserved.

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

service@neptunlight.com  www.NeptunLight.com  888.735.8330

Solar Compatible Induction
RECTANGLE LAMP RETROFIT KITS

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIRT-040RK-24VDC</td>
<td>Rectangle Retrofit Kit</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NIRT-080RK-24VDC</td>
<td>Rectangle Retrofit Kit</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NIRT-100RK-24VDC</td>
<td>Rectangle Retrofit Kit</td>
<td>100</td>
<td>105</td>
<td>7,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NIRT-120RK-24VDC</td>
<td>Rectangle Retrofit Kit</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>3 lbs</td>
</tr>
<tr>
<td>NIRT-150RK-24VDC</td>
<td>Rectangle Retrofit Kit</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>4 lbs</td>
</tr>
</tbody>
</table>

SPECSIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- ANSI Surge Protection: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- Warranty: 5 Year

BALLAST DIMENSIONS

RECOMMENDED APPLICATION FIXTURES

Spec. Rev. 1-2013
Incredible OFF GRID Operation

24VDC OPERATION

GENERAL DESCRIPTION
Neptun’s Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 90 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type Induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000˚K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 90050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>50 W</td>
<td>24VDC</td>
<td>830 = 3000˚K</td>
<td>BLK = Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>841 = 4100˚K * Custom Colors Available</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>850 = 5000˚K * Standard</td>
<td></td>
</tr>
</tbody>
</table>

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>90050-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>50</td>
<td>51</td>
<td>3,500</td>
<td>24</td>
<td>2.18</td>
<td>&gt;0.98</td>
<td>28 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumen per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

SLIP-FIT MOUNT

Accepts up to 2-7/8" O.D. Round Tenon or Pole

3.00” I.D.

IOP-RPTR (contact factory)

Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)

Type V Distribution

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

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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
**GENERAL DESCRIPTION**

Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 91 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

**APPLICATION**

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

**STRUCTURE, MATERIALS, & FEATURES**

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (Hardware included)
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled U-Type Induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

**ORDERING INFORMATION**

Sample Number: 91050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>91</td>
<td>Acorn / Post Top</td>
<td>050 = 50 W</td>
<td>24VDC</td>
<td>BLK = Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24VDC = 24VDC</td>
<td>830 = 3000°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>841 = 4100°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>850 = 5000°K *</td>
<td>Standard</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**24VDC OPERATION**

Incredible OFF GRID Operation

---

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>91050-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>50</td>
<td>51</td>
<td>3,500</td>
<td>24</td>
<td>2.18</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>91080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>91100-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000 Hrs: > 70%
- Color Temperature: 5000°K
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

### MOUNTING OPTIONS

- SLIP-FIT MOUNT
- Accepts up to 2-7/8" O.D. Round Tenon or Pole

- IOP-RPTR (contact factory)
- Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

### PHOTOMETRICS

(See Complete IES File)

- Type V Distribution

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

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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
NEPTUN LIGHT

Solar Compatible Induction
POST TOP - ACORN FIXTURES

24VDC OPERATION

GENERAL DESCRIPTION
Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 92 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- Custom designed anodized aluminum reflectors for superior illuminance.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 92050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>Acorn / Post Top</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>50 W</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td></td>
</tr>
<tr>
<td>080</td>
<td>80 W</td>
<td></td>
<td>841 = 4100°K</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>100 W</td>
<td></td>
<td>850 = 5000°K *</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>120 W</td>
<td></td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>150 W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Custom Colors Available

Incredible OFF GRID Operation

service@neptunlight.com  ■  www.NeptunLight.com  ■  888.735.8330
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.

©2002-2013 Neptun Light, Inc. All rights reserved.
GENERAL DESCRIPTION
Neptun’s Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 93 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled U-Type Induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000˚K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 93050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>93 = Acorn / Post Top</td>
<td>050 = 50 W</td>
<td>24VDC = 24 VDC</td>
<td>830 = 3000˚K</td>
<td>BLK = Black</td>
</tr>
<tr>
<td>080 = 80 W</td>
<td></td>
<td>841 = 4100˚K</td>
<td>* Custom Colors Available</td>
<td></td>
</tr>
<tr>
<td>100 = 100 W</td>
<td></td>
<td>850 = 5000˚K *</td>
<td>Standard</td>
<td></td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation
### 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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>93050-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>50</td>
<td>51</td>
<td>3,500</td>
<td>24</td>
<td>2.18</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>93080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>93100-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- **Ballast Type**: Electronic
- **Start Method**: InstantON
- **Hot Re-start**: InstantON
- **Input Line Voltage**: 24 VDC
- **Input Line Frequency**: 50/60 Hz
- **Lamp Operating Frequency**: 250 kHz
- **Ballast Off-State Draw**: 0 Watts
- **Sound Rating**: Class A
- **Lamp / Ballast System Life**: 100,000 Hrs.
- **Lumen Maintenance @75,000Hrs**: > 70%
- **Color Temperature**: 5000°K

- **Color Rendering Index (CRI)**: > 83
- **Minimum Starting Temperature**: -20°F
- **Maximum Starting Temperature**: 160°F
- **Initial Lumens per Watt**: 80
- **Shock / Vibration Resistant**: Yes
- **Power Factor**: > 0.98
- **ETL Listed / UL Standard 1598**: Yes
- **FCC Compliance**: Part 18, Subp. C
- **IP Rating**: IP65
- **Warranty**: 10 Year

### MOUNTING OPTIONS

- **SLIP-FIT MOUNT**
  - Accepts up to 2-7/8” O.D. Round Tenon or Pole

- **IOP-RPTR (contact factory)**
  - Round Pole Tenon Reducers available for 3”, 4”, & 5” O.D. Poles

### PHOTOMETRICS

(See Complete IES File)
24VDC OPERATION

GENERAL DESCRIPTION
Neptun’s Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 94 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing clear polycarbonate lens.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type Induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 94050-24VDC-850-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 = Acorn / Post Top</td>
<td>050 = 50 W</td>
<td>24 VDC</td>
<td>830 = 3000°K</td>
<td>BLK = Black</td>
</tr>
<tr>
<td>080 = 80 W</td>
<td></td>
<td></td>
<td>841 = 4100°K</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td>100 = 100 W</td>
<td></td>
<td></td>
<td>850 = 5000°K</td>
<td>* Standard</td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation
## 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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>94050-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>50</td>
<td>51</td>
<td>3,500</td>
<td>24</td>
<td>2.18</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>94080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>94100-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

### MOUNTING OPTIONS

- SLIP-FIT MOUNT: Accepts up to 2-7/8" O.D. Round Tenon or Pole
- IOP-RPTR (contact factory): Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

### PHOTOMETRICS

(See Complete IES File)

- Type V 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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun's Induction post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 95 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 200W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing clear polycarbonate globe and lens.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled U-Type Induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 95050-24VDC-850-BLK
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>95050-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>50</td>
<td>51</td>
<td>3,500</td>
<td>24</td>
<td>2.18</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>95080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>95100-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Ballast Type**: Electronic
- **Start Method**: InstantON
- **Hot Re-start**: InstantON
- **Input Line Voltage**: 24 VDC
- **Input Line Frequency**: 50/60 Hz
- **Lamp Operating Frequency**: 250 kHz
- **Ballast Off-State Draw**: 0 Watts
- **Sound Rating**: Class A
- **Lamp / Ballast System Life**: 100,000 Hrs.
- **Lumen Maintenance @75,000Hrs**: > 70%
- **Color Temperature**: 5000°K
- **Color Rendering Index (CRI)**: > 83
- **Minimum Starting Temperature**: -20°F
- **Maximum Starting Temperature**: 160°F
- **Initial Lumens per Watt**: 80
- **Shock / Vibration Resistant**: Yes
- **Power Factor**: > 0.98
- **ETL Listed / UL Standard 1598**: Yes
- **FCC Compliance**: Part 18, Subp. C
- **IP Rating**: IP65
- **Warranty**: 10 Year

**MOUNTING OPTIONS**

- **Globe**
- **Slip-Fitter**
- **Bolts**
- **Reflector**
- **Bulb**
- **Ballast**

Accepts up to 2-7/8" O.D. Round Tenon or Pole

**PHOTOMETRICS** (See Complete IES File)

- **Type V Distribution**
- **IOP-RPTR (contact factory)**

Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun’s Security Light Fixture is suitable for a variety of outdoor applications. The 20 series Security Light is offered in several wattages and features an integrated photocell for Dusk-to-Dawn On/Off control. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 175W.

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

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- 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.
- Inductively coupled U-Type Induction bulb.
- High power factor, 24 Volt DC ballast.
- NEMA Photocell for Dusk-to-Dawn On/Off control included.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 20050-24VDC-850-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 = Security Light</td>
<td>050 = 50 W</td>
<td>24VDC = 24 VDC</td>
<td>830 = 3000°K</td>
<td>GRY = Gray</td>
</tr>
<tr>
<td>065 = 65 W</td>
<td></td>
<td></td>
<td>841 = 4100°K</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td>080 = 80 W</td>
<td></td>
<td></td>
<td>850 = 5000°K</td>
<td>* Standard</td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation

Solar Compatible Induction
DUSK TO DAWN - SECURITY FIXTURES

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>20050-24VDC</td>
<td>Security Light Fixture</td>
<td>50</td>
<td>52</td>
<td>4,000</td>
<td>24</td>
<td>2.18</td>
<td>0.98</td>
<td>8 lbs</td>
</tr>
<tr>
<td>20065-24VDC</td>
<td>Security Light Fixture</td>
<td>65</td>
<td>67</td>
<td>5,200</td>
<td>24</td>
<td>2.84</td>
<td>0.98</td>
<td>8 lbs</td>
</tr>
<tr>
<td>20080-24VDC</td>
<td>Security Light Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>8 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP55
- Warranty: 10 Year

MOUNTING OPTIONS

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

PHOTOMETRICS (See Complete IES File)

Type V Distribution
GENERAL DESCRIPTION
Neptun's Induction 1/2" NPT Flood fixtures features classic form and durability to make it an excellent choice for new construction or retrofit applications. Uses a 1/2" NPT mount to fit into existing applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 175W.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Sign Lighting
- Solar Flag Pole Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- 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 lens for weather-tight seal.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 65040-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 = Flood Light - ½ NPT</td>
<td>040 = 40 W</td>
<td>24VDC = 24VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector / Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td>050 = 50 W</td>
<td>841 = 4100°K</td>
<td>850 = 5000°K *</td>
<td>MD = Motion Sensor Detector</td>
<td>* Standard</td>
<td>* Custom Colors Available</td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation
**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>65040-24VDC</td>
<td>NPT Flood Fixture</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>8 lbs</td>
</tr>
<tr>
<td>65050-24VDC</td>
<td>NPT Flood Fixture</td>
<td>50</td>
<td>52</td>
<td>4,000</td>
<td>24</td>
<td>2.18</td>
<td>0.98</td>
<td>8 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000 Hrs: > 70%
- Color Temperature: 5000°K
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

**PHOTOMETRICS** (See Complete IES File)

![Type V Distribution](image_url)

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. ©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
24VDC OPERATION

GENERAL DESCRIPTION
Neptun’s Induction Flood fixtures features classic form and durability to make it an excellent choice for new construction or retrofit applications. The 33 series flood uses a yoke bracket mounting arm and a variety of wattages to provide flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Sign Lighting
- Solar Flag Pole Lighting
- Solar Security Lighting
- Solar Area Lighting

ORDERING INFORMATION
Sample Number: 33040-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector / Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td>085</td>
<td>85 W</td>
<td></td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>100 W</td>
<td></td>
<td>850 = 5000°K *</td>
<td></td>
<td>* Custom Colors Available</td>
</tr>
</tbody>
</table>

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens.
- Yoke bracket mounting to allow for adjustable angles.
- Corrosion resistant electrocoat black finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>33040-24VDC</td>
<td>Flood Light Fixture</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>10 lbs</td>
</tr>
<tr>
<td>33085-24VDC</td>
<td>Flood Light Fixture</td>
<td>85</td>
<td>87</td>
<td>6,800</td>
<td>24</td>
<td>3.71</td>
<td>0.98</td>
<td>12 lbs</td>
</tr>
<tr>
<td>33100-24VDC</td>
<td>Flood Light Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>12 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

- Yoke Mount
- Mounting Arm Included
- Adjustable Tilt

PHOTOMETRICS (See Complete IES File)

Type V 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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
Neptun's 14" Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 100 Watts.

**APPLICATION**
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Lens Type</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 = Wall Pack</td>
<td>040 = 40 W</td>
<td>FLD = Flood Type</td>
<td>24VDC = 24 VDC</td>
<td>830 = 3000°K&lt;br&gt;841 = 4100°K&lt;br&gt;850 = 5000°K <em>&lt;br&gt;</em> Standard</td>
<td>LD = Light Detector / Photocell&lt;br&gt;MD = Motion Sensor Detector</td>
<td>BRZ = Dark Bronze&lt;br&gt;Custom Colors Available</td>
</tr>
</tbody>
</table>

Sample Number: 21040FLD-24VDC-850-LD-BRZ

Custom options and accessories available. Please consult factory.

**STRUCTURE, MATERIALS, & FEATURES**
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant borosilicate glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.
Solar Compatible Induction
14" WALL PACK - FLOOD FIXTURES

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>21040FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

(3) 5/16" (1) 1/2" NPT

PHOTOMETRICS (See Complete IES File)

Type IV 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.
©2002-2013 Neptun Light, Inc. All rights reserved.
Spec. Rev. 1-2013

service@neptunlight.com  www.NeptunLight.com  888.735.8330
GENERAL DESCRIPTION
Neptun’s 18” Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200 Watts

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant borosilicate glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Lens Type</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>080 = 80 W</td>
<td>FLD</td>
<td>24VDC</td>
<td>3000°K</td>
<td>LD</td>
<td>BRZ</td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td></td>
<td>4100°K</td>
<td>MD</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td>150 = 150 W</td>
<td></td>
<td></td>
<td>5000°K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: 21080FLD-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

Incredible OFF GRID Operation

service@neptunlight.com  www.NeptunLight.com  888.735.8330

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>21080FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>21100FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>21150FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

### MOUNTING OPTIONS

(2) 1/2" NPT (3) 5/16"

18.00"

### PHOTOMETRICS (See Complete IES File)

Type IV Distribution

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

service@neptunlight.com  www.NeptunLight.com  888.735.8330

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun's 14” Semi Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 100 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant flat frosted glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 21040SCT-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Lens Type</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>040 = 40 W</td>
<td>SCT</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD</td>
<td>BRZ</td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation

24VDC OPERATION

Solar Compatible Induction
14" WALL PACK - SEMI CUT-OFF FIXTURES

service@neptunlight.com  www.NeptunLight.com  888.735.8330
Solar Compatible Induction
14" WALL PACK - SEMI CUT-OFF FIXTURES

**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>21040SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

**MOUNTING OPTIONS**

(3) 5/16"  (1) 1/2" NPT

13.00"

**PHOTOMETRICS** (See Complete IES File)

Type IV 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.
©2002-2013 Neptun Light, Inc. All rights reserved.
Spec. Rev. 1-2013

Service@neptunlight.com  www.NeptunLight.com  888.735.8330
**24VDC OPERATION**

**GENERAL DESCRIPTION**

Neptun’s 18" Semi Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200 Watts.

**APPLICATION**

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

**STRUCTURE, MATERIALS, & FEATURES**

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant flat frosted glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

---

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Lens Type</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>080 = 80 W</td>
<td>SCT</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector / Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td>24VDC</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td></td>
</tr>
<tr>
<td></td>
<td>150 = 150 W</td>
<td></td>
<td></td>
<td>850 = 5000°K*</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: 21080SCT-24VDC-850-LD-BRZ

Custom options and accessories available. Please consult factory.

---

Incredible OFF GRID Operation
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>21080SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>21100SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>21150SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

(2) 1/2" NPT  (3) 5/16"

PHOTOMETRICS (See Complete IES File)

Type IV Distribution
24VDC OPERATION

GENERAL DESCRIPTION
Neptun’s Full Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The full cut-off wall packs are suitable for dark sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 100 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector / Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>850 = 5000°K * Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: 21040FCT-24VDC-850-LD-BRZ
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>21040FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

- (3) 5/16" NPT
- (1) 1/2" NPT

PHOTOMETRICS (See Complete IES File)

Type IV 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.

©2002-2013 Neptun Light, Inc. All rights reserved.
GENERAL DESCRIPTION
Neptun's Full Cut-Off Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's Induction Wall Pack fixtures feature a high CRI and bright white 5000°K color temperature for increased safety and security. The full cut-off wall packs are suitable for dark sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Lens Type</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 = Wall Pack</td>
<td>080 = 80 W</td>
<td>FCT = Full Cut-Off</td>
<td>24VDC = 24 VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector / Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td>100 = 100 W</td>
<td>150 = 150 W</td>
<td></td>
<td></td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td>Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>850 = 5000°K *</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: 21080FCT-24VDC-850-LD-BRZ
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>21080FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>21100FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>21150FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

(2) 1/2" NPT  (3) 5/16"

PHOTOMETRICS (See Complete IES File)

Type IV 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. ©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
Incredible OFF GRID Operation

24VDC OPERATION

ORDERING INFORMATION

Sample Number: 12040-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

GENERAL DESCRIPTION
Neptun’s 12” square Induction canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 12 series canopy fixture features excellent optics for increased visibility and security with horizontal and vertical footcandles to evenly illuminate parking garages. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Easy removal lens with (4) stainless steel screws.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

APPLICATION
- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector / Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td>080 = 80 W</td>
<td>24VDC</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td></td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td>24VDC</td>
<td>850 = 5000°K*</td>
<td></td>
<td>* Custom Colors Available</td>
</tr>
</tbody>
</table>

* Standard
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.

©2002-2013 Neptun Light, Inc. All rights reserved.

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. ©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
24VDC OPERATION

GENERAL DESCRIPTION
Neptun's 15" cone Induction canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 13 series canopy fixture features excellent optics for increased visibility and security with horizontal and vertical footcandles to evenly illuminate parking garages. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION
· Solar Parking Garage Lighting
· Solar Canopy Lighting
· Solar Gas Station Lighting
· Solar Indoor Lighting
· Solar Storage Lighting
· Solar Security Lighting
· Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES
· Heavy-gauge, die-cast aluminum housing.
· High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
· Custom designed anodized aluminum reflectors for superior illuminance.
· Corrosion resistant electrocoat dark bronze finish (custom colors available).
· Easy removal lens with (4) stainless steel screws.
· Continuous silicone gasketing surrounds lens for weather - tight seal.
· Inductively coupled circular induction bulb.
· High power factor, 24 Volt DC ballast.
· Instant-On flicker-free Cold Start and Hot Re-Start.
· High quality glare-free light with high CRI above (83).
· Advance phosphors for high lumen output and high lumen maintenance.
· Up to 20 year maintenance free operation.
· 10 Year Warranty.

ORDERING INFORMATION

Sample Number: 13040-24VDC-850-LD-120V-BRZ
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>15&quot; Conical Canopy</td>
<td>040 = 40 W</td>
<td>24VDC = 24 VDC</td>
<td>830 = 3000°K</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>841 = 4100°K</td>
<td>LD = Light Detector / Photocell</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td>850 = 5000°K</td>
<td>MD = Motion Sensor Detector</td>
<td></td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation

lightinnovations@work™

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

Spec. Rev. 1-2013

Solar Compatible Induction
15" CONICAL CANOPY FIXTURES

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>13040-24VDC</td>
<td>15&quot; Conical Canopy</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>10 lbs</td>
</tr>
<tr>
<td>13080-24VDC</td>
<td>15&quot; Conical Canopy</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>12 lbs</td>
</tr>
<tr>
<td>13100-24VDC</td>
<td>15&quot; Conical Canopy</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>12 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

PHOTOMETRICS (See Complete IES File)

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

service@neptunlight.com  www.NeptunLight.com  888.735.8330
GENERAL DESCRIPTION
Neptun's 16" Induction shoebox combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 16 series shoebox fixture is offered in a variety of wattages and mounting options to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W.

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

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- 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 lens for weather-tight seal.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 16040-24VDC-SA6-850-LD-BRZ
Custom options and accessories available. Please consult factory.

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Mounting</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 = 16&quot; Shoebox</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>SA6 = 6&quot; Side Arm</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector</td>
<td>BRZ</td>
</tr>
<tr>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>SA12 = 12&quot; Side Arm</td>
<td>841 = 4000°K</td>
<td>MD = Motion Sensor Detector</td>
<td>Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td>WM6 = 6&quot; Wall Mount</td>
<td>850 = 5000°K *</td>
<td>* Standard</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120 = 120 W</td>
<td></td>
<td>WM12 = 12&quot; Wall Mount</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150 = 150 W</td>
<td></td>
<td>SA6R = 6&quot; Side Arm - Round Pole Adapter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SA12R = 12&quot; Side Arm - Round Pole Adapter</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* See Pg. 2 for suggested mounting options
**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>16040-24VDC</td>
<td>16” Shoebox Fixture</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>16080-24VDC</td>
<td>16” Shoebox Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
<tr>
<td>16100-24VDC</td>
<td>16” Shoebox Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
<tr>
<td>16120-24VDC</td>
<td>16” Shoebox Fixture</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
<tr>
<td>16150-24VDC</td>
<td>16” Shoebox Fixture</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 10 Year

**MOUNTING CONFIGURATION**

- Wall Mount (WM6, WM12)
- Arm Mount Single (SA6, SA12)
- Arm Mount 2 @ 180° (SA6, SA12)
- Arm Mount 2 @ 90° (SA6, SA12)
- Arm Mount 3 @ 120° (SA6R, SA12R)
- Arm Mount 3 @ 90° (SA6, SA12)
- Arm Mount 4 @ 90° (SA6, SA12)

**DRILLING PATTERNS**

- SA6, SA12, SA6R, SA12R
- WM6, WM12

**PHOTOMETRICS** (See Complete IES File)

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
Neptun’s 16” Induction flood fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 38 series flood fixture is offered in a variety of wattages and mounting options to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W.

APPLICATION
- Solar Parking Lot Lighting
- Solar Car Lot Lighting
- Solar Area & Storage Lighting
- Solar Street Lighting
- Solar Walkway Lighting
- Solar Building Accent Lighting
- Solar Sign / Monument Lighting

GENERAL DESCRIPTION

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- 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 lens for weather-tight seal.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION

Sample Number: 38080-24VDC-SF-850-LD-BRZ
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Mounting</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>SF</td>
<td>830 = 3000°K</td>
<td>LD = Light Detector/Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>YK</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector *</td>
<td>Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td></td>
<td>850 = 5000°K*</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>120 = 120 W</td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150 = 150 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation

Solar Compatible Induction 16” FLOOD FIXTURES

24VDC OPERATION

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>38040-24VDC</td>
<td>16&quot; Flood Fixture</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>38080-24VDC</td>
<td>16&quot; Flood Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
<tr>
<td>38100-24VDC</td>
<td>16&quot; Flood Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
<tr>
<td>38120-24VDC</td>
<td>16&quot; Flood Fixture</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
<tr>
<td>38150-24VDC</td>
<td>16&quot; Flood Fixture</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>28 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 0.78
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

- Slip Fitter (SF)
- Yoke Bracket (YK)

PHOTOMETRICS (See Complete IES File)

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.
©2002-2013 Neptun Light, Inc. All rights reserved.
GENERAL DESCRIPTION

Neptun's Induction Round Post-top fixtures combines architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The 35 series post-top fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 400W.

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

ORDERING INFORMATION

Sample Number: 35080-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>080 = 80 W</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Sensor /Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td>100</td>
<td>100 = 100 W</td>
<td></td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>120 = 120 W</td>
<td></td>
<td>850 = 5000°K *</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>150 = 150 W</td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation

24VDC OPERATION

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered bubbled glass lens.
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Corrosion resistant electrocoat dark bronze finish. (custom colors available)
- Aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.
**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>35080-24VDC</td>
<td>Round Post Top Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>45 lbs</td>
</tr>
<tr>
<td>35100-24VDC</td>
<td>Round Post Top Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>45 lbs</td>
</tr>
<tr>
<td>35120-24VDC</td>
<td>Round Post Top Fixture</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>45 lbs</td>
</tr>
<tr>
<td>35150-24VDC</td>
<td>Round Post Top Fixture</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>45 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K

- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 1.30
- IP Rating: IP65
- Warranty: 10 Year

**MOUNTING OPTIONS**

- 3.00" ID
- 3.125" OD
- Accepts up to 2-7/8" O.D.
- Round Tenon or Pole
- Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

**PHOTOMETRICS** (See Complete IES File)

- Type V Distribution

---

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

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun's 18” Induction Square Post-Top fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 64 series square post-top fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 400W.

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

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Corrosion resistant electrocoat dark bronze finish. (custom colors available)
- Aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled circular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION
Sample Number: 64080-24VDC-850-LD-BRZ
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>64</td>
<td>80 W</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD = Light Sensor /Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td>100</td>
<td>100 W</td>
<td></td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td>120</td>
<td>120 W</td>
<td></td>
<td>850 = 5000°K</td>
<td>* Standard</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>150 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>64080-24VDC</td>
<td>Square Post Top Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>64100-24VDC</td>
<td>Square Post Top Fixture</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>64120-24VDC</td>
<td>Square Post Top Fixture</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>64150-24VDC</td>
<td>Square Post Top Fixture</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 1.21
- IP Rating: IP65
- Warranty: 10 Year

MOUNTING OPTIONS

- Accepts up to 2-7/8" Round Tenon or Pole
- Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)

IOP-RPTR (contact factory)
GENERAL DESCRIPTION

Neptun’s Induction cobra head fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The 82 series fixture is offered in a variety of wattages and mounting options to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 200W.

APPLICATION

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

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered glass lens.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Toolless entry housing for easy installation and maintenance.
- Hinged aluminum door frame incorporates stainless steel hardware.
- Adjustable leveling for desired fixture tilt.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled rectangle induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.

ORDERING INFORMATION

Sample Number: 82040-24VDC-850-LD-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>82</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>830 = 3000°K</td>
<td>LD = NEMA Twist-Lock Photocell</td>
<td>GRY = Grey</td>
</tr>
<tr>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>841 = 4100°K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td>850 = 5000°K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>120 = 120 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation

Solar Compatible Induction
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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013

**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>82040-24VDC</td>
<td>Street Light Fixture</td>
<td>40</td>
<td>41</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>0.98</td>
<td>22 lbs</td>
</tr>
<tr>
<td>82080-24VDC</td>
<td>Street Light Fixtures</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>82100-24VDC</td>
<td>Street Light Fixtures</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>82120-24VDC</td>
<td>Street Light Fixtures</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>25 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 0.78
- IP Rating: IP65
- Warranty: 10 Year

**MOUNTING OPTIONS**

- Mounts to 1-1/4" - 2-3/8" Pipe

**PHOTOMETRICS**

(See Complete IES File)

Type II Distribution

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

GENERAL DESCRIPTION
Neptun’s 36” Induction cobra head fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The 85 series street light fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W.

APPLICATION
- Street Lighting
- Alley Lighting
- Parking Lot Lighting
- Car Lot Lighting
- Area & Storage Lighting
- Walkway Lighting

24VDC OPERATION

Sample Number: 85080-24VDC-850-LD-DGRY
Custom options and accessories available. Please consult factory

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>85</td>
<td>80 W</td>
<td>24VDC</td>
<td>830 °K</td>
<td>LD = NEMA Twistlock Photocell</td>
<td>DGRY = Dark Grey</td>
</tr>
<tr>
<td>100</td>
<td>100 W</td>
<td></td>
<td>841 °K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>120 W</td>
<td></td>
<td>850 °K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>150 W</td>
<td></td>
<td>850 °K</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Standard

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Heat and impact resistant tempered glass lens.
- Integral structural support plate for mounting arm ensures strength.
- Corrosion resistant electrocoat dark grey finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Inductively coupled rectangular induction bulb.
- High power factor, 24 Volt DC ballast.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 20 year maintenance free operation.
- 10 Year Warranty.
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>85080-24VDC</td>
<td>Street Light Fixtures</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>85100-24VDC</td>
<td>Street Light Fixtures</td>
<td>100</td>
<td>105</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>85120-24VDC</td>
<td>Street Light Fixtures</td>
<td>120</td>
<td>125</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>85150-24VDC</td>
<td>Street Light Fixtures</td>
<td>150</td>
<td>158</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>0.98</td>
<td>32 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- Ballast Type: Electronic
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Lamp Operating Frequency: 250 kHz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- Lamp / Ballast System Life: 100,000 Hrs.
- Lumen Maintenance @75,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 83
- Minimum Starting Temperature: -20°F
- Maximum Starting Temperature: 160°F
- Initial Lumens per Watt: 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 2.00
- IP Rating: IP65
- Warranty: 10 Year

PHOTOMETRICS (See Complete IES File)

MOUNTING OPTIONS

Accepts 2" - 2-3/8" Round Pipe

(4) 3/4" Bolts
(2) Stainless Steel Brackets
2-1/2" I.D.
Incredible OFF GRID Operation

24VDC OPERATION

UP TO 75% ENERGY SAVINGS

GENERAL DESCRIPTION
Neptun’s LED retrofit lamp is designed for use in decorative acorn and bollard style fixtures in retrofit or new fixture applications. The LED-148 series retrofit lamp features excellent optics for increased visibility and security with a 360° light engine to evenly illuminate area. Offered in a variety of color temperatures to closely resemble HID style bulbs. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Can replace existing HID lamps up to 100 Watts.

APPLICATION
- Solar Post Top Fixtures
- Solar Acorn Fixtures
- Solar Bollard Fixtures

STRUCTURE, MATERIALS, & FEATURES
- Cast aluminum heat sink.
- Internally driven (self-ballasted) driver for easy installation.
- 380 PCS High Output LED’s.
- High power factor, 24 Volt DC driver.
- 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
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-148020-24VDC-750-E26
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>148</td>
<td>020 20W</td>
<td>24VDC</td>
<td>730 3000°K</td>
<td>E26</td>
</tr>
<tr>
<td></td>
<td></td>
<td>025 25W</td>
<td></td>
<td>741 4100°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>750 5000°K</td>
<td></td>
</tr>
</tbody>
</table>

E26 = Medium Base
E40 = Mogul Base
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-148020-24VDC</td>
<td>LED Acorn Retrofit Lamp</td>
<td>20</td>
<td>21</td>
<td>1,700</td>
<td>24</td>
<td>0.87</td>
<td>&gt;0.98</td>
<td>1 lb</td>
</tr>
<tr>
<td>LED-148025-24VDC</td>
<td>LED Acorn Retrofit Lamp</td>
<td>25</td>
<td>26</td>
<td>2,125</td>
<td>24</td>
<td>1.09</td>
<td>&gt;0.98</td>
<td>1 lb</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver .................................................. Constant Current
- Power Supply ........................................... 350mA
- Start Method ........................................... InstantON
- Hot Re-start ........................................... InstantON
- Universal Input Line Voltage .......... 24 VDC
- Input Line Frequency ....................... 50/60 Hz
- Driver Off-State Draw .................... 0 Watts
- Sound Rating ........................................ Class A
- LED / Driver System Life .................. 70,000 Hrs.
- Lumen Maintenance @50,000 Hrs ........ >70%
- Color Temperature ............................. 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI) ............ >70
- Minimum Starting Temperature ........... -35°C
- Maximum Starting Temperature ........... 40°C
- Lumens per Watt ................................. >79
- Shock / Vibration Resistant ............. Yes
- Power Factor ...................................... >0.98
- ETL Listed / UL Standard 1598 .......... Yes
- FCC Compliance ................................. Part 18, Subp. C
- Warranty ........................................... 5 Year

RECOMMENDED APPLICATION FIXTURES

* Contact Factory for Application Verification.
Incredible OFF GRID Operation

24VDC OPERATION

UP TO 75% ENERGY SAVINGS

GENERAL DESCRIPTION
Neptun’s LED retrofit lamp is designed for use in decorative acorn style fixtures in retrofit or new fixture applications. The LED-48 series retrofit lamp features excellent optics for increased visibility and security with a 360° light engine to evenly illuminate area. Offered in a variety of color temperatures to closely resemble HID style bulbs. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Can replace existing HID lamps up to 250 Watts.

APPLICATION
- Decorative Post Top Fixtures
- Decorative Acorn Fixtures

STRUCTURE, MATERIALS, & FEATURES
- Cast aluminum heat sink.
- High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
- Internally driven (self-ballasted) driver for easy installation.
- 960 PCS High Output LED’s.
- High power factor, 24 Volt DC driver.
- 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
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-48040-24VDC-750-E40
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>48</td>
<td>040 = 40 W</td>
<td>24VDC = 24 VDC</td>
<td>730 = 3000°K</td>
<td>E40 = Mogul Base</td>
</tr>
<tr>
<td></td>
<td></td>
<td>060 = 60 W</td>
<td></td>
<td>741 = 4100°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>750 = 5000°K</td>
<td></td>
</tr>
</tbody>
</table>
RECOMMENDED APPLICATION FIXTURES

* Recommended for Base Down Applications.
* Contact Factory for Application Verification.
GENERAL DESCRIPTION

Neptun’s LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 90 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

ORDERING INFORMATION

Sample Number: LED-90020-24VDC-750-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED = LED</td>
<td>90 = Acorn / Post Top</td>
<td>020 = 20 W</td>
<td>24VDV = 24 VDC</td>
<td>730 = 3000°K</td>
<td>BLK = Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>025 = 25 W</td>
<td></td>
<td>741 = 4100°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>040 = 40 W</td>
<td></td>
<td>750 = 5000°K</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>060 = 60 W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-90020-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>20</td>
<td>21</td>
<td>1,700</td>
<td>24</td>
<td>0.87</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-90025-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>25</td>
<td>26</td>
<td>2,275</td>
<td>24</td>
<td>1.09</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-90040-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>40</td>
<td>42</td>
<td>3,600</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-90060-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>60</td>
<td>62</td>
<td>4,800</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-90080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

PHOTOMETRICS (See Complete IES File)

- Type V Distribution

Mounting Options

- SLIP-FIT MOUNT
  - 3.00" I.D.
  - Accepts up to 2-7/8" O.D. Round Tenon or Pole

- IOP-RPTR (contact factory)
  - Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

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.
©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
Incredible OFF GRID Operation

24VDC OPERATION

GENERAL DESCRIPTION
Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 91 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- High efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather-tight seal.
- Supplied with 360° LED self-ballasted lamp.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

Sample Number: LED-91040-24VDC-750-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>91</td>
<td>LED-91040</td>
<td>24VDC</td>
<td>730</td>
<td>BLK</td>
</tr>
<tr>
<td>040</td>
<td>060</td>
<td>080</td>
<td>24VDC</td>
<td>741</td>
<td>BLK</td>
</tr>
<tr>
<td>060</td>
<td>040</td>
<td>080</td>
<td>24VDC</td>
<td>750</td>
<td>BLK</td>
</tr>
</tbody>
</table>

LED = LED
91 = Acorn / Post Top
040 = 40 W
060 = 60 W
080 = 80 W
24VDV = 24 VDC
730 = 3000°K
741 = 4100°K
750 = 5000°K
BLK = Black
* Custom Colors Available
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-91040-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>40</td>
<td>42</td>
<td>3,600</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-91060-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>60</td>
<td>62</td>
<td>4,800</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-91080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS

- SLIP-FIT MOUNT
  - Accepts up to 2-7/8" O.D. Round Tenon or Pole

- IOP-RPTR (contact factory)
  - Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)

Type V Distribution
Incredible OFF GRID Operation

24VDC OPERATION

GENERAL DESCRIPTION

Neptun’s LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 92 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather-tight seal.
- Supplied with 360° LED self-ballasted lamp.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000˚K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>92</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>730 = 3000˚K</td>
<td>BLK = Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>060 = 60 W</td>
<td></td>
<td>741 = 4100˚K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>750 = 5000˚K</td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: LED-92040-24VDC-750-BLK

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-92040-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>40</td>
<td>42</td>
<td>3,600</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>LED-92060-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>60</td>
<td>62</td>
<td>4,800</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
<tr>
<td>LED-92080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>38 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS

- Accepts up to 2-7/8" O.D. Round Tenon or Pole
- Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

PHOTOMETRICS (See Complete IES File)

- Type V Distribution

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

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.
©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
Incredible OFF GRID Operation

ORDERING INFORMATION

Sample Number: LED-93040-24VDC-750-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>93</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>730 = 3000°K</td>
<td>BLK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>060 = 60 W</td>
<td></td>
<td>741 = 4100°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>750 = 5000°K</td>
<td></td>
</tr>
</tbody>
</table>

LED = LED
93 = Acorn / Post Top
040 = 40 W
060 = 60 W
080 = 80 W
24VDC = 24 VDC
730 = 3000°K
741 = 4100°K
750 = 5000°K
BLK = Black
* Custom Colors Available

GENERAL DESCRIPTION

Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 93 series offers excellent illumination and uniformity. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

APPLICATION

- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

STRUCTURE, MATERIALS, & FEATURES

- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self-ballasted lamp.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 15 year maintenance free operation.
- 5 Year Warranty.
**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-93040-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>40</td>
<td>42</td>
<td>3,600</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-93060-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>60</td>
<td>62</td>
<td>4,800</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-93080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

**PHOTOMETRICS** (See Complete IES File)

**MOUNTING OPTIONS**

- SLIP-FIT MOUNT
- Accepts up to 2-7/8" O.D. Round Tenon or Pole

- IOP-RPTR (contact factory)
- Round Pole TenonReducers available for 3", 4", & 5" O.D. Poles

- Type V Distribution

---

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

service@neptunlight.com  ■  www.NeptunLight.com  ■  888.735.8330

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. ©2002-2013 Neptun Light, Inc. All rights reserved.
### GENERAL DESCRIPTION
Neptun's LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 94 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 250W.

### APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

### STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3" I.D. Slip Fitter Accepts up to 2-7/8" Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Supplied with 360° LED self-ballasted lamp.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000˚K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>94</td>
<td>040 = 40 W</td>
<td>24VDV = 24 VDC</td>
<td>730 = 3000°K</td>
<td>BLK = Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>060 = 60 W</td>
<td></td>
<td>741 = 4100°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td>750 = 5000°K</td>
<td>* Custom Colors Available</td>
</tr>
</tbody>
</table>

Sample Number: LED-94040-24VDC-750-BLK
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-94040-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>40</td>
<td>42</td>
<td>3,600</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-94060-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>60</td>
<td>62</td>
<td>4,800</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-94080-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

**PHOTOMETRICS** (See Complete IES File)

**MOUNTING OPTIONS**

- SLIP-FIT MOUNT
  - Accepts up to 2-7/8" O.D. Round Tenon or Pole

- IOP-RPTR (contact factory)
  - Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

- Type V Distribution

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

service@neptunlight.com  ■  www.NeptunLight.com  ■  888.735.8330

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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun’s LED post top fixture features a traditional decorative style to make it an excellent choice for new construction or retrofit applications. The 95 series offers excellent illumination and uniformity. The cut-off hood allows for use in Dark Sky applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Offered in a variety of wattages, it can replace existing HID fixtures up to 100W.

APPLICATION
- Street Lighting
- Parking Lot Lighting
- Security Lighting
- Decorative Post-Top Lighting
- Area Lighting
- Walkway Lighting

ORDERING INFORMATION

Sample Number: LED-95020-24VDC-750-BLK
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Lamp Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>95</td>
<td>020 = 20 W</td>
<td>24VDV</td>
<td>730 = 3000°K</td>
<td>BLK = Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>025 = 25 W</td>
<td></td>
<td>741 = 4100°K</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>750 = 5000°K</td>
<td></td>
</tr>
</tbody>
</table>

*Custom Colors Available

Sample Numbers are 4 digits length with the first two numbers representing the Series number. LED-95020-24VDC-750-BLK

STRUCTURE, MATERIALS, & FEATURES
- Fiberglass reinforced composite housing for excellent durability and strength.
- High Efficiency, heat and impact resistant, UV protected, non-yellowing polycarbonate refractor.
- Corrosion resistant electrocoat black finish (custom colors available).
- 3” I.D. Slip Fitter Accepts up to 2-7/8” Pipe or Tenon. (hardware included)
- Continuous silicone gasket surrounds lens for weather-tight seal.
- Supplied with 360° LED self-ballasted lamp.
- High power factor, 24 Volt DC driver.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- High quality glare-free light with high CRI above (83).
- Bright white light (5000°K) for greater visibility and safety.
- Advance phosphors for high lumen output and high lumen maintenance.
- Up to 15 year maintenance free operation.
- 5 Year Warranty.

light innovations @ 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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-95020-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>20</td>
<td>21</td>
<td>1,700</td>
<td>24</td>
<td>0.87</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
<tr>
<td>LED-95025-24VDC</td>
<td>Post Top Acorn Fixture</td>
<td>25</td>
<td>26</td>
<td>2,275</td>
<td>24</td>
<td>1.09</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 3000°K, 4100°K, 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

PHOTOMETRICS (See Complete IES File)

TYPE V DISTRIBUTION

MOUNTING OPTIONS

Accepts up to 2-7/8" O.D. Round Tenon or Pole

IOP-RPTR (contact factory)

Round Pole Tenon Reducers available for 3", 4", & 5" O.D. Poles

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

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.©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
**GENERAL DESCRIPTION**

Neptun's LED Flood fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's 50 series fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Can replace existing HID fixtures up to 150 Watts.

**APPLICATION**

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

**STRUCTURE, MATERIALS, & FEATURES**

- Heavy-gauge, die-cast aluminum housing.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Heat and impact resistant frosted flat glass lens.
- Aluminum door frame incorporates stainless steel hardware.
- Adjustable yoke bracket mounting.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 1 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- 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)

**24VDC OPERATION**

**ORDERING INFORMATION**

Sample Number: LED-50030-24VDC-750-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>50</td>
<td>030</td>
<td>24VDC</td>
<td>735</td>
<td>GRY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>050</td>
<td></td>
<td>741</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>750</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
</tr>
</tbody>
</table>

---

*Custom Colors Available*
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-50030-24VDC</td>
<td>LED Flood Fixture</td>
<td>30</td>
<td>32</td>
<td>2,400</td>
<td>24</td>
<td>1.31</td>
<td>&gt;0.98</td>
<td>12 lbs</td>
</tr>
<tr>
<td>LED-50050-24VDC</td>
<td>LED Flood Fixture</td>
<td>50</td>
<td>52</td>
<td>4,000</td>
<td>24</td>
<td>2.18</td>
<td>&gt;0.98</td>
<td>12 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

PHOTOMETRICS

(Mounting Options)

- Accepts 3/8" Bolts

(Mounting Options Diagram)

Yoke Mount

Accepts 3/8" Bolts

Type V 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.

Spec. Rev. 1-2013
24VDC OPERATION

GENERAL DESCRIPTION
Neptun's LED Flood fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's 50 series fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

APPLICATION
- Building Accent Lighting
- Landscape Lighting
- Security Lighting
- Parking Lot Lighting
- Area Lighting
- Storage Area Lighting
- Sign Lighting

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
</table>
| LED = LED | 50 = Flood Light | 080 = 80 W
100 = 100 W
120 = 120 W
150 = 150 W | 24VDC = 24VDC | 735 = 3500°K
741 = 4100°K
750 = 5000°K
* Standard | GRY = Grey
* Custom Colors Available |
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-50080-24VDC</td>
<td>LED Flood Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-50100-24VDC</td>
<td>LED Flood Fixture</td>
<td>100</td>
<td>102</td>
<td>7,800</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-50120-24VDC</td>
<td>LED Flood Fixture</td>
<td>120</td>
<td>122</td>
<td>9,000</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-50150-24VDC</td>
<td>LED Flood Fixture</td>
<td>150</td>
<td>152</td>
<td>10,800</td>
<td>24</td>
<td>6.56</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000 Hrs: >70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): >70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: >70
- Power Factor: >0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS

- Yoke Mount
- Accepts 3/8” Bolts

PHOTOMETRICS (See Complete IES File)
Incredible OFF GRID Operation

GENERAL DESCRIPTION
Neptun's Low Profile Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Silicone potted heat sink for increased life.
- Heat and impact resistant, UV protected, non yellowing polycarbonate refractor / lens.
- Corrosion resistant electrocoat black finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED’s
- High power factor, 24 Volt DC driver.
- 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)

ORDERING INFORMATION
Sample Number: LED-43040FLD-24VDC-750-LD-BLK
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-43040FLD-24VDC</td>
<td>Low Profile Wall Pack</td>
<td>40</td>
<td>42</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
<tr>
<td>LED-43060FLD-24VDC</td>
<td>Low Profile Wall Pack</td>
<td>60</td>
<td>62</td>
<td>4,800</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

**MOUNTING OPTIONS**

(4) Pre-Drilled Mounting Holes

10.25"

**PHOTOMETRICS** (See Complete IES File)

Type IV Distribution
GENERAL DESCRIPTION
Neptun’s 14” Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

ORDERING INFORMATION
Sample Number: LED-21040FLD-24VDC-750-LD-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Type</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>21</td>
<td>040</td>
<td>FLD</td>
<td>24VDC</td>
<td>750</td>
<td>MD</td>
<td>BRZ</td>
</tr>
<tr>
<td></td>
<td></td>
<td>055</td>
<td></td>
<td></td>
<td>741</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>070</td>
<td></td>
<td></td>
<td>735</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Standard

structure, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant borosilicate glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED’s
- High power factor, 24 Volt DC driver.
- 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)
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-21040FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>40</td>
<td>42</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-21055FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>55</td>
<td>57</td>
<td>4,400</td>
<td>24</td>
<td>2.40</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-21070FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>70</td>
<td>72</td>
<td>5,600</td>
<td>24</td>
<td>3.06</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS
(3) 5/16" (1) 1/2" NPT

13.00"
GENERAL DESCRIPTION
Neptun’s 18” Flood Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant borosilicate glass lens.
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED’s
- High power factor, 24 Volt DC driver.
- 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)

ORDERING INFORMATION
Sample Number: LED-21080FLD-24VDC-750-LD-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Type</th>
<th>Color Temp</th>
<th>Voltage</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>21</td>
<td>080</td>
<td>FLD</td>
<td>24VDC</td>
<td>735</td>
<td>LD</td>
<td>BRZ</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td></td>
<td></td>
<td>741</td>
<td>MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>750</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation
### 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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-21080FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>80</td>
<td>82</td>
<td>6,000</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
<tr>
<td>LED-21000FLD-24VDC</td>
<td>Wall Pack - Flood Type</td>
<td>100</td>
<td>102</td>
<td>7,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

### MOUNTING OPTIONS

- (2) 1/2" NPT
- (3) 5/16"

### PHOTOMETRICS (See Complete IES File)

![Type IV Distribution](image)

**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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013**
Incredible OFF GRID Operation

24VDC OPERATION

GENERAL DESCRIPTION
Neptun's 14" Semi Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun's LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

ORDERING INFORMATION
Sample Number: LED-21040SCT-24VDC-750-LD-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Type</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>21 = Wall Pack</td>
<td>040 = 40W</td>
<td>SCT = Semi Cut-Off</td>
<td>24VDC = 24 VDC</td>
<td>735 = 3500°K</td>
<td>LD = Photocell/Light Detector</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td></td>
<td>055 = 55W</td>
<td></td>
<td></td>
<td>741 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td>* Custom Colors available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>070 = 70W</td>
<td></td>
<td></td>
<td>750 = 5000°K *</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant flat glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED's
- High power factor, 24 Volt DC driver.
- 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)
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.

©2002-2013 Neptun Light, Inc. All rights reserved.

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

service@neptunlight.com  www.NeptunLight.com  888.735.8330

PHOTOMETRICS  (See Complete IES File)

MOUNTING OPTIONS

14" WALL PACK - SEMI CUT-OFF FIXTURES

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-21040SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>40</td>
<td>42</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-21055SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>55</td>
<td>57</td>
<td>4,400</td>
<td>24</td>
<td>2.40</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-21070SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>70</td>
<td>72</td>
<td>5,600</td>
<td>24</td>
<td>3.06</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

PHOTOMETRICS

Type IV Distribution
Incredible OFF GRID Operation

24VDC OPERATION

GENERAL DESCRIPTION
Neptun’s 18” Semi Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant flat glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 40 PCS High Output LED’s
- High power factor, 24 Volt DC driver.
- 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)

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

ORDERING INFORMATION
Sample Number: LED-21080SCT-24VDC-750-LD-BRZ
Custom options and accessories available. Please consult factory

Source | Series | Wattage | Type | Voltage | Color Temp | Accessories | Color
---|---|---|---|---|---|---|---
LED | 21 = Wall Pack | 080 = 80 W 100 = 100 W | SCT = Semi Cut-Off | 24VDC = 24 VDC | 735 = 3500°K 741 = 4100°K 750 = 5000°K * | LD = Photocell /Light Detector MD = Motion Sensor Detector | BRZ = Dark Bronze * Custom Colors available

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-21080SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>80</td>
<td>82</td>
<td>6,000</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
<tr>
<td>LED-2100SCT-24VDC</td>
<td>Wall Pack - Semi Cut-Off</td>
<td>100</td>
<td>102</td>
<td>7,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS

(2) 1/2" NPT
(3) 5/16"

PHOTOMETRICS (See Complete IES File)

Type IV Distribution
24VDC OPERATION

ORDERING INFORMATION

Sample Number: LED-21040FCT-24VDC-750-LD-GRAY
Custom options and accessories available. Please consult factory.

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Type</th>
<th>Color Temp</th>
<th>Voltage</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>21 = Wall Pack</td>
<td>040 = 40W</td>
<td>055 = 55W</td>
<td>070 = 70W</td>
<td>24VDC = 24 VDC</td>
<td>735 = 3500°K</td>
<td>741 = 4100°K</td>
</tr>
</tbody>
</table>

GENERAL DESCRIPTION
Neptun’s 14” Full Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150 Watts.

APPLICATION
- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Silicone potted heat sink for increased life.
- Heat and impact resistant flat glass lens.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- Correlated Color Temperature of 5000°K for greater visibility and safety.
- 40 PCS High Output LED’s
- High power factor, 24 Volt DC driver.
- 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)
**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-21040FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>40</td>
<td>42</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-21055FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>55</td>
<td>57</td>
<td>4,400</td>
<td>24</td>
<td>2.40</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
<tr>
<td>LED-21070FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>70</td>
<td>72</td>
<td>5,600</td>
<td>24</td>
<td>3.06</td>
<td>&gt;0.98</td>
<td>18 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- LED Driver .................................. Constant Current
- Power Supply ............................... 350mA
- Start Method ................................ InstantON
- Hot Re-start ................................ InstantON
- Input Line Voltage .......................... 24 VDC
- Input Line Frequency ......................... 50/60 Hz
- Driver Off-State Draw ......................... 0 Watts
- Sound Rating ................................ Class A
- LED / Driver System Life ...................... 70,000 Hrs.
- Lumen Maintenance @50,000Hrs .................. > 70%
- Color Temperature ............................ 5000°K
- Color Rendering Index (CRI) .................. > 70
- Minimum Starting Temperature ............... -40°C
- Maximum Starting Temperature ............... 50°C
- Lumens per Watt ................................ > 70
- Power Factor .................................. > 0.98
- Shock / Vibration Resistant .................. Yes
- ETL Listed / UL Standard 1598 ............... Yes
- FCC Compliance .............................. Part 18, Subp. C
- IP Rating ..................................... IP65
- Warranty ...................................... 5 Year

**MOUNTING OPTIONS**

(3) 5/16" (1) 1/2" NPT

**PHOTOMETRICS** (See Complete IES File)

Type IV 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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
GENERAL DESCRIPTION

Neptun's 18" Full Cut-Off Type Wall Pack fixtures feature classic form and durability to make it an excellent choice for new construction or retrofit applications. Neptun’s LED Wall Pack fixtures feature a bright white 5000°K color temperature for increased safety and security. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250 Watts.

APPLICATION

- Solar Building Accent Lighting
- Solar Landscape Lighting
- Solar Security Lighting
- Solar Parking Lot Lighting
- Solar Area Lighting
- Solar Storage Area Lighting

ORDERING INFORMATION

Sample Number: LED-21080FCT-24VDC-750-LD-BRZ

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-21080FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>80</td>
<td>82</td>
<td>6,000</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
<tr>
<td>LED-2100FCT-24VDC</td>
<td>Wall Pack - Full Cut-Off</td>
<td>100</td>
<td>102</td>
<td>7,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>20 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- LED Driver ............................................. Constant Current
- Power Supply ........................................... 350mA
- Start Method .......................................... InstantON
- Hot Re-start ........................................... InstantON
- Input Line Voltage ................................... 24 VDC
- Input Line Frequency ................................. 50/60 Hz
- Driver Off-State Draw ............................... 0 Watts
- Sound Rating ........................................... Class A
- LED / Driver System Life ............................. 70,000 Hrs.
- Lumen Maintenance @50,000Hrs ....................... > 70%
- Color Temperature .................................... 5000°K
- Color Rendering Index (CRI) ......................... > 70
- Minimum Starting Temperature ....................... -40°C
- Maximum Starting Temperature ....................... 50°C
- Lumens per Watt ....................................... > 70
- Power Factor ........................................... > 0.98
- Shock / Vibration Resistant ........................ Yes
- ETL Listed / UL Standard 1598 ....................... Yes
- FCC Compliance ........................................ Part 18, Subp. C
- IP Rating ............................................... IP65
- Warranty ............................................... 5 Year

**PHOTOMETRICS** (See Complete IES File)

**MOUNTING OPTIONS**

- (2) 1/2" NPT
- (3) 5/16"

18.00"

Solar Compatible LED
18" WALL PACK - FULL CUT-OFF FIXTURES

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun’s 12” square canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 12 series canopy fixture features excellent optics for increased visibility and security with horizontal and vertical footcandles to evenly illuminate parking garages. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION
- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- High efficiency, heat and impact resistant, UV protected, non yellowing polycarbonate lens / refractor.
- Custom designed anodized aluminum reflectors for superior illuminance.
- Corrosion resistant electrocoat dark bronze finish (custom colors available).
- Easy removal lens with (4) stainless steel screws.
- Continuous silicone gasketing surrounds lens for weather - tight seal.
- 260 PCS High Output LED’s.
- High power factor, 24 Volt DC driver.
- 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
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED’s, Driver, & Housing)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Color Temp</th>
<th>Voltage</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>12</td>
<td>040=40</td>
<td>755=3500°K</td>
<td>24VDC</td>
<td>LD</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td></td>
<td>060=60</td>
<td>741=4100°K</td>
<td></td>
<td>MD</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>080=80</td>
<td>750=5000°K*</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: LED-12040-24VDC-750-BRZ
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-12040-24VDC</td>
<td>LED Canopy Fixture</td>
<td>40</td>
<td>42</td>
<td>3,500</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>12 lbs</td>
</tr>
<tr>
<td>LED-12060-24VDC</td>
<td>LED Canopy Fixture</td>
<td>60</td>
<td>62</td>
<td>5,000</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>12 lbs</td>
</tr>
<tr>
<td>LED-12080-24VDC</td>
<td>LED Canopy Fixture</td>
<td>80</td>
<td>82</td>
<td>6,800</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>12 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Universal Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): >70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 79
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS

- Pendant Mount
- Surface Mount

PHOTOMETRICS (See Complete IES File)

Type V Distribution

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

service@neptunlight.com www.NeptunLight.com 888.735.8330
GENERAL DESCRIPTION
Neptun’s 14” low-profile LED canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 49 series canopy fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION
• Solar Parking Garage Lighting
• Solar Canopy Lighting
• Solar Gas Station Lighting
• Solar Indoor Lighting
• Solar Storage Lighting
• Solar Security Lighting
• Solar Area Lighting

24VDC OPERATION

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 dark grey finish (custom colors available).
• Continuous silicone gasketing surrounds lens for weather-tight seal.
• 72 PCS High Output LED’s.
• High power factor, 24 Volt DC driver.
• 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
• Up to 15 year maintenance free operation.
• 5 Year Warranty on complete fixture. (LED’s, Driver, & Housing)

ORDERING INFORMATION
Sample Number: LED-49040-14-24VDC-750-DGRY
Custom options and accessories available. Please consult factory

Source | Series | Wattage | Size | Voltage | Color Temp | Accessories | Color
--- | --- | --- | --- | --- | --- | --- | ---
LED | 49 = Low-Profile | 040 = 40 W 055 = 55 W 070 = 70 W | 14 = 14” Housing | 24VDC = 24 VDC | 735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard | LD = Photocell /Light Detector MD = Motion Sensor Detector | DGRY = Dark Grey * Custom Colors available

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

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Rated Watts</th>
<th>Input Watts</th>
<th>Initial Lumens</th>
<th>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-49040-14-24VDC</td>
<td>LED Low-Profile Fixture</td>
<td>40</td>
<td>42</td>
<td>3,200</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
<tr>
<td>LED-49055-14-24VDC</td>
<td>LED Low-Profile Fixture</td>
<td>55</td>
<td>57</td>
<td>4,400</td>
<td>24</td>
<td>2.40</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
<tr>
<td>LED-49070-14-24VDC</td>
<td>LED Low-Profile Fixture</td>
<td>70</td>
<td>72</td>
<td>5,600</td>
<td>24</td>
<td>3.06</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Universal Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): >70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 79
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS

- Surface Mount
- Adjustable Mounting Brackets (Standard)
- Hanging Mount
- Supplied with Gripple Hangers (GPPL)
- Pendant Mount 3/4" K.O. (PDM)

PHOTOMETRICS (See Complete IES File)

Type V Distribution
24VDC OPERATION

Incredible OFF GRID Operation

GENERAL DESCRIPTION
Neptun’s 14” low-profile LED canopy fixture features classic design and durability to be used in new construction or retrofit applications. The 49 series canopy fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID canopy or parking garage fixtures up to 200 Watts.

APPLICATION
- Solar Parking Garage Lighting
- Solar Canopy Lighting
- Solar Gas Station Lighting
- Solar Indoor Lighting
- Solar Storage Lighting
- Solar Security Lighting
- Solar Area Lighting

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Size</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>49 = Low-Profile</td>
<td>075 = 75 W</td>
<td>14 = 14&quot; Housing</td>
<td>24VDC = 24 VDC</td>
<td>735 = 3500°K</td>
<td>LD = Photocell /Light Detector</td>
<td>DGRY = Dark Grey</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td></td>
<td>741 = 4100°K</td>
<td>MD = Motion Sensor Detector</td>
<td>* Custom Colors available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120 = 120 W</td>
<td></td>
<td></td>
<td>750 = 5000°K *</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: LED-49040-14-24VDC-750-DGRY

Custom options and accessories available. Please consult factory.

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 dark grey finish (custom colors available).
- Continuous silicone gasketing surrounds lens for weather-tight seal.
- 108 PCS High Output LED’s.
- High power factor, 24 Volt DC driver.
- 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
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED’s, Driver, & Housing)
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-49075-18-24VDC</td>
<td>LED Low-Profile Fixture</td>
<td>75</td>
<td>77</td>
<td>6,000</td>
<td>24</td>
<td>3.28</td>
<td>&gt;0.98</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-49100-18-24VDC</td>
<td>LED Low-Profile Fixture</td>
<td>100</td>
<td>102</td>
<td>8,200</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-49120-18-24VDC</td>
<td>LED Low-Profile Fixture</td>
<td>120</td>
<td>122</td>
<td>9,840</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>30 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Universal Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): >70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 79
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP65
- Warranty: 5 Year

MOUNTING OPTIONS

- Surface Mount
- Hanging Mount
- Adjustable Mounting Brackets (Standard)
- Supplied with Gripple Hangers (GPPL)
- Pendant Mount 3/4" K.O. (PDM)

PHOTOMETRICS (See Complete IES File)

Type V Distribution
GENERAL DESCRIPTION
Neptun’s 16” LED shoebox fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-16 series fixture is offered in a variety of wattages and mounting options to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID & HPS fixtures up to 250W.

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

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- 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 lens for weather-tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High Output COB Cree LED’s.
- High power factor, 24 Volt DC driver.
- 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)

ORDERING INFORMATION
Sample Number: LED-16100-24VDC-SA6-850-LD-BRZ
Custom options and accessories available. Please consult factory.

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Mounting</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>16 = 16” Shoebox</td>
<td>080 = 80 W</td>
<td>24VDC = 24VDC</td>
<td>SA6 = 6” Side Arm</td>
<td>830 = 3000°K</td>
<td>LD = Twistlock Photocell</td>
<td>BRZ = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 = 100 W</td>
<td></td>
<td>SA12 = 12&quot; Side Arm</td>
<td>841 = 4100°K</td>
<td>MD = Motion Sensor</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120 = 120 W</td>
<td>WM6 = 6&quot; Wall Mount</td>
<td>WM12 = 12&quot; Wall Mount</td>
<td>850 = 5000°K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 = 150 W</td>
<td>SA6R = 6” Side Arm - Round Pole Adapter</td>
<td>SA12R = 12” Side Arm - Round Pole Adapter</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* See Pg. 2 for suggested mounting options
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-16080-24VDC</td>
<td>LED Shoebox Fixture</td>
<td>80</td>
<td>82</td>
<td>7,200</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
<tr>
<td>LED-16100-24VDC</td>
<td>LED Shoebox Fixture</td>
<td>100</td>
<td>102</td>
<td>9,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
<tr>
<td>LED-16120-24VDC</td>
<td>LED Shoebox Fixture</td>
<td>120</td>
<td>122</td>
<td>10,800</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
<tr>
<td>LED-16150-24VDC</td>
<td>LED Shoebox Fixture</td>
<td>150</td>
<td>152</td>
<td>13,500</td>
<td>24</td>
<td>6.56</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 80
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 90
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 0.78
- Housing IP Rating: IP65
- Warranty: 5 Year

MOUNTING CONFIGURATION

- Wall Mount (WM6, WM12)
- Arm Mount Single (SA6, SA12)
- Arm Mount 2 @ 180° (SA6, SA12)
- Arm Mount 2 @ 90° (SA6, SA12)
- Arm Mount 3 @ 120° (SA6R, SA12R)
- Arm Mount 3 @ 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)
- 3/4” dia. hole
- 5/16” dia. holes (4)

PHOTOMETRICS (See Complete IES File)

Type V 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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 4-2014
GENERAL DESCRIPTION
Neptun's 16" LED flood light fixture combines classic form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-38 series flood fixture is offered in a variety of wattages and mounting options to provide maximum flexibility in all types of applications. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID & HPS fixtures up to 250W.

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

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing.
- Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
- 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 lens for weather-tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High power factor, 24 Volt DC driver.
- 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)

ORDERING INFORMATION
Sample Number: LED-38100-24VDC-SF-750-LD-BRZ
Custom options and accessories available. Please consult factory.

Source | Series | Wattage | Voltage | Mounting | Color Temp | Accessories | Color
--- | --- | --- | --- | --- | --- | --- | ---
LED = LED | 38 = 16" Flood | 080 = 80 W 100 = 100 W 120 = 120 W 150 = 150 W | 24VDC = 24VDC | SF = Slip Fitter  YK = Yoke Bracket  * See Pg. 2 for mounting options | 730 = 3000°K 741 = 4100°K 750 = 5000°K *  * Standard | LD = Twistlock Photocell  MD = Motion Sensor | BRZ = Dark Bronze  * Custom Colors Available

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-38080-24VDC</td>
<td>LED Flood Fixture</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
<tr>
<td>LED-38100-24VDC</td>
<td>LED Flood Fixture</td>
<td>100</td>
<td>102</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
<tr>
<td>LED-38120-24VDC</td>
<td>LED Flood Fixture</td>
<td>120</td>
<td>122</td>
<td>9,000</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
<tr>
<td>LED-38150-24VDC</td>
<td>LED Flood Fixture</td>
<td>150</td>
<td>152</td>
<td>10,400</td>
<td>24</td>
<td>6.56</td>
<td>&gt;0.98</td>
<td>40 lbs</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: Instant ON
- Hot Re-start: Instant ON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: >0.98
- Shock / Vibration Resistant: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 0.78
- Housing IP Rating: IP65
- Warranty: 5 Year

**MOUNTING OPTIONS**

- **Slip Fitter (SF)**
  - 2-1/2” I.D.
  - Accepts up to 2-3/8” Tenon or Pipe

- **Yoke Bracket (YK)**
  - 5.50”
  - 2.50”
  - 2.75”
  - 1.125”

**PHOTOMETRICS** (See Complete IES File)

Type V 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. ©2002-2013 Neptun Light, Inc. All rights reserved.
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 47 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The 120 PCS High output LED’s and custom engineered optics provide excellent uniformity and efficiency. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W.

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

ORDERING INFORMATION

Sample Number: LED-47100-24VDC-750-SF-BLK
Custom options and accessories available. Please consult factory.

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Mounting</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED = LED</td>
<td>47 = Parking Lot Fixture</td>
<td>100 = 100 W, 120 = 120 W, 150 = 150 W</td>
<td>24VDC = 24 VDC</td>
<td>735 = 3500°K, 741 = 4100°K, 750 = 5000°K*</td>
<td>SF = Slip Fitter *, SPA = Square Pole Adapter * Standard</td>
<td>BLK = Black, BRZ = Dark Bronze * Custom Colors Available</td>
</tr>
</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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-47100-24VDC</td>
<td>LED Parking Lot Fixture</td>
<td>100</td>
<td>102</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-47120-24VDC</td>
<td>LED Parking Lot Fixture</td>
<td>120</td>
<td>122</td>
<td>9,000</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>30 lbs</td>
</tr>
<tr>
<td>LED-47150-24VDC</td>
<td>LED Parking Lot Fixture</td>
<td>150</td>
<td>152</td>
<td>10,400</td>
<td>24</td>
<td>6.56</td>
<td>&gt;0.98</td>
<td>30 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 1.0
- Housing IP Rating: IP65
- Warranty: 5 Year

MOUNTING CONFIGURATION

| Wall Mount (SPA) | Arm Mount Single (SF, SA12) | Arm Mount 2 @ 180° (SF, SPA) | Arm Mount 2 @ 90° (SF, SPA) | Arm Mount 3 @ 120° (SF, SPA) | Arm Mount 3 @ 90° (SF, SPA) | Arm Mount 4 @ 90° (SF, SPA) |

MOUNTING OPTIONS

- Slip Fitter Mount (SF): Accepts 1-1/4" - 2-3/8" O.D. Tenon or Pipe
- Square Pole Adapter: Available for Pole or Wall Mount (SPA)

PHOTOMETRICS (See Complete IES File)

TYPE III ASYMMETRICAL
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. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

APPLICATION

- Solar Street Lighting
- Solar Pathway Lighting
- Solar Parking Lot Lighting
- Solar Security Lighting
- Solar 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 gasketing surrounds lens for IP66 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 40 PCS High Output LED's.
- High power factor, 24 Volt DC driver.
- 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)

ORDERING INFORMATION

Sample Number: LED-451040-24VDC-750-T2A-LD-DGRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Optics</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>451</td>
<td>040 = 40 W</td>
<td>24VDC</td>
<td>750 = 5000°K</td>
<td>T2A = Type II Asymmetrical</td>
<td>LD = Light Sensor/Photocell</td>
<td>GRY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>050 = 50 W</td>
<td></td>
<td>741 = 4100°K</td>
<td>T3A = Type III Asymmetrical</td>
<td>NEMA Twistlock</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>060 = 60 W</td>
<td></td>
<td>750 = 5000°K</td>
<td>GRY = Grey</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>070 = 70 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-451040-24VDC</td>
<td>LED Mini Street Light</td>
<td>40</td>
<td>42</td>
<td>3,280</td>
<td>24</td>
<td>1.74</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
<tr>
<td>LED-451050-24VDC</td>
<td>LED Mini Street Light</td>
<td>50</td>
<td>52</td>
<td>4,000</td>
<td>24</td>
<td>2.18</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
<tr>
<td>LED-451060-24VDC</td>
<td>LED Mini Street Light</td>
<td>60</td>
<td>62</td>
<td>4,800</td>
<td>24</td>
<td>2.62</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
<tr>
<td>LED-451070-24VDC</td>
<td>LED Mini Street Light</td>
<td>70</td>
<td>72</td>
<td>5,600</td>
<td>24</td>
<td>3.06</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
<tr>
<td>LED-451080-24VDC</td>
<td>LED Mini Street Light</td>
<td>80</td>
<td>82</td>
<td>6,400</td>
<td>24</td>
<td>3.49</td>
<td>&gt;0.98</td>
<td>26 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 0.71
- Housing IP Rating: IP65
- 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)

- TYPE II
- TYPE II ASYMMETRICAL
- TYPE III ASYMMETRICAL

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. ©2002-2013 Neptun Light, Inc. All rights reserved.
Spec. Rev. 1-2013
Incredible OFF GRID Operation

**GENERAL DESCRIPTION**
Neptun’s Kometa™ 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. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 250W.

**APPLICATION**
- Solar Street Lighting
- Solar Pathway Lighting
- Solar Parking Lot Lighting
- Solar Security Lighting
- Solar 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 gasketing surrounds lens for IP66 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 150 PCS High Output LED’s.
- High power factor, 24 Volt DC driver.
- 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)

**ORDERING INFORMATION**
Sample Number: LED-45100-24VDC-750-T2A-LD-GRY
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>45</td>
<td>100 W</td>
<td>24VDC</td>
<td>3500°K</td>
<td>NEMA Twistlock</td>
<td>GRY</td>
</tr>
<tr>
<td></td>
<td>110 W</td>
<td>24VDC</td>
<td></td>
<td>4100°K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>120 W</td>
<td></td>
<td></td>
<td>5000°K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>130W</td>
<td></td>
<td></td>
<td>750</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-45100-24VDC</td>
<td>LED Street Light</td>
<td>100</td>
<td>102</td>
<td>7,500</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-45110-24VDC</td>
<td>LED Street Light</td>
<td>110</td>
<td>112</td>
<td>8,250</td>
<td>24</td>
<td>4.81</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-45120-24VDC</td>
<td>LED Street Light</td>
<td>120</td>
<td>122</td>
<td>9,000</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-45130-24VDC</td>
<td>LED Street Light</td>
<td>130</td>
<td>132</td>
<td>9,750</td>
<td>24</td>
<td>5.68</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver ................................................. Constant Current
- Power Supply ............................................. 350mA
- Start Method ............................................. InstantON
- Hot Re-start ............................................. InstantON
- Input Line Voltage ................................. 24 VDC
- Input Line Frequency .......................... 50/60 Hz
- Driver Off-State Draw .......................... 0 Watts
- Sound Rating .............................................. Class A
- LED / Driver System Life ..................... 70,000 Hrs.
- Lumen Maintenance @50,000Hrs. ........... > 70%
- Color Temperature .............................. 5000°K
- Color Rendering Index (CRI) .............. > 70
- Minimum Starting Temperature .......... -40°C
- Maximum Starting Temperature .......... 50°C
- Lumens per Watt ................................. > 70
- Power Factor ............................................. > 0.98
- Shock / Vibration Resistant .............. Yes
- FCC Compliance ......................................... Part 18, Subp. C
- EPA Rating ............................................. 0.77
- Housing IP Rating ..................................... IP65
- 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)

TYPE II

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
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. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Used in applications replacing up to 400W HID Fixtures on Major Roadways & Highways.

APPLICATION
- Solar Street Lighting
- Solar Pathway Lighting
- Solar Parking Lot Lighting
- Solar Security Lighting
- Solar 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 Twistlock Photocell for increased energy savings.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High power factor, 24 Volt DC driver.
- 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)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Optics</th>
<th>Accessories</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>452</td>
<td>100</td>
<td>24VDC</td>
<td>735</td>
<td>T2A</td>
<td>LD</td>
<td>GRY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120</td>
<td></td>
<td>741</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>150</td>
<td></td>
<td>750</td>
<td>T3A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NEMA Twistlock</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: LED-452100-24VDC-750-T2A-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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-452100-24VDC</td>
<td>LED Street Light</td>
<td>100</td>
<td>102</td>
<td>8,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-452120-24VDC</td>
<td>LED Street Light</td>
<td>120</td>
<td>122</td>
<td>9,600</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
<tr>
<td>LED-452150-24VDC</td>
<td>LED Street Light</td>
<td>150</td>
<td>152</td>
<td>12,000</td>
<td>24</td>
<td>6.56</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver ................................................. Constant Current
- Power Supply ........................................... 350mA
- Start Method ............................................ InstantON
- Hot Re-start ............................................ InstantON
- Input Line Voltage .................................. 24 VDC
- Input Line Frequency ............................... 50/60 Hz
- Driver Off-State Draw .............................. 0 Watts
- Sound Rating ........................................... Class A
- LED / Driver System Life ......................... 70,000 Hrs.
- Lumen Maintenance @50,000Hrs .................. > 70%
- Color Temperature .................................. 5000°K
- Color Rendering Index (CRI) ................. > 70
- Minimum Starting Temperature .............. -40°C
- Maximum Starting Temperature .............. 50°C
- Lumens per Watt ..................................... > 70
- Power Factor ........................................... > 0.98
- Shock / Vibration Resistant .................. Yes
- FCC Compliance ........................................ Part 18, Subp. C
- EPA Rating ............................................. 0.77
- Housing IP Rating .................................. IP65
- 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)

TYPE II ASYMMETRICAL

TYPE III ASYMMETRICAL
Incredible **OFF GRID** Operation

---

### 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. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

### 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 IP66 weather tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 1 COB High Output LED’s.
- High power factor, 24 Volt DC driver.
- 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)

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Wattage</th>
<th>Lens</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>81</td>
<td>040 = 40 W</td>
<td>L1 = 1 Optic Lens</td>
<td>12VDC = 12 VDC</td>
<td>835 = 3500°K</td>
<td>GRY = Grey</td>
</tr>
<tr>
<td></td>
<td></td>
<td>050 = 50 W</td>
<td></td>
<td></td>
<td>841 = 4100°K</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>060 = 60 W</td>
<td></td>
<td></td>
<td>850 = 5000°K *</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>080 = 80 W</td>
<td></td>
<td></td>
<td>* Standard</td>
<td></td>
</tr>
</tbody>
</table>

Sample Number: LED-81040-L1-24VDC-850-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>Input Line Voltage (VDC)</th>
<th>Max Line Current 12/24VDC (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-81040-L1-24VDC</td>
<td>LED COB Street Light</td>
<td>40</td>
<td>42</td>
<td>4,000</td>
<td>12 / 24</td>
<td>3.49 - 1.74</td>
<td>&gt;0.98</td>
<td>14 lbs</td>
</tr>
<tr>
<td>LED-81050-L1-24VDC</td>
<td>LED COB Street Light</td>
<td>50</td>
<td>52</td>
<td>5,000</td>
<td>12 / 24</td>
<td>4.37 - 2.18</td>
<td>&gt;0.98</td>
<td>14 lbs</td>
</tr>
<tr>
<td>LED-81060-L1-24VDC</td>
<td>LED COB Street Light</td>
<td>60</td>
<td>62</td>
<td>6,000</td>
<td>12 / 24</td>
<td>5.25 - 2.62</td>
<td>&gt;0.98</td>
<td>14 lbs</td>
</tr>
<tr>
<td>LED-81080-L1-24VDC</td>
<td>LED COB Street Light</td>
<td>80</td>
<td>82</td>
<td>8,000</td>
<td>12 / 24</td>
<td>6.99 - 3.49</td>
<td>&gt;0.98</td>
<td>14 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 12 / 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 75,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 80
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 100
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- FCC Compliance: Part 18, Subp. C
- ETL Listed / UL Standard 496: Yes
- CE / IEC60598: Yes
- EPA Rating: 0.51
- Housing IP Rating: IP65
- Optics IP Rating: IP68
- Warranty: 10 Year

Unique COB design with lens optics for excellent uniformity and efficiency.

Webbed fin cooling design for excellent thermal management.

MOUNTING OPTIONS

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

Accepts 1” - 1.75” O.D. Tenon or Pipe

PHOTOMETRICS (See Complete IES File)

TYPE III ASYMMETRICAL

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.

©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2014
**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. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID fixtures up to 150W.

**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 IP66 weather tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- 2 COB High Output LED's.
- High power factor, 24 Volt DC driver.
- 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)

**ORDERING INFORMATION**

Sample Number: LED-81100-L2-24VDC-750-GRY

Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Wattage</th>
<th>Lens</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>81</td>
<td>100 W</td>
<td>L2</td>
<td>24VDC</td>
<td>735 = 3500°K</td>
<td>GRY = Grey</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120 W</td>
<td>L2</td>
<td></td>
<td>741 = 4100°K</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24VDC</td>
<td>750 = 5000°K</td>
<td>* Standard</td>
</tr>
</tbody>
</table>

**24VDC OPERATION**

Sample Number: LED-81100-L2-24VDC-750-GRY

Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Wattage</th>
<th>Lens</th>
<th>Voltage</th>
<th>Color Temp</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>81</td>
<td>100 W</td>
<td>L2</td>
<td>24VDC</td>
<td>735 = 3500°K</td>
<td>GRY = Grey</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120 W</td>
<td>L2</td>
<td></td>
<td>741 = 4100°K</td>
<td>* Custom Colors Available</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24VDC</td>
<td>750 = 5000°K</td>
<td>* Standard</td>
</tr>
</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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-81100-L2-24VDC</td>
<td>LED COB Street Light</td>
<td>100</td>
<td>102</td>
<td>10,000</td>
<td>24</td>
<td>4.37</td>
<td>&gt;0.98</td>
<td>16 lbs</td>
</tr>
<tr>
<td>LED-81120-L2-24VDC</td>
<td>LED COB Street Light</td>
<td>120</td>
<td>122</td>
<td>12,000</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>16 lbs</td>
</tr>
</tbody>
</table>

## SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 70,000 Hrs.
- Lumen Maintenance @50,000 Hrs.: > 70%
- Color Temperature: 5000°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 100
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- FCC Compliance: Part 18, Subp. C
- EPA Rating: 0.51
- Housing IP Rating: IP65
- Optics IP Rating: IP66
- Warranty: 5 Year

## MOUNTING OPTIONS

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

Accepts 1" - 1.75" O.D. Tenon or Pipe

## PHOTOMETRICS

(See Complete IES File)

Unique COB design with lens optics for excellent uniformity and efficiency.

Webbed fin cooling design for excellent thermal management.

TYPE III ASYMMETRICAL
24VDC OPERATION

UP TO 75% ENERGY SAVINGS

Incredible OFF GRID Operation

GENERAL DESCRIPTION
Neptun’s Ad-Poster™ II LED billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 100 PCS, High Output LED’s, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION
- 24’W x 15’H Billboard Requires 1 Unit
- 36’W x 15’H Billboard Requires 2 Units
- 48’W x 15’H Billboard Requires 3 Units

STRUCTURE, MATERIALS, & FEATURES
- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat gray 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.
- Continuous silicone gasketing surrounds lens for IP67 weather tight seal.
- 1-1/2” I.D. Slip Fitter Accepts up to 1-1/4” Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- High power factor, 24VDC driver.
- 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)

ORDERING INFORMATION
Sample Number: LED-84085-24VDC
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>84</td>
<td>085</td>
<td>24VDC</td>
</tr>
<tr>
<td></td>
<td>Billboard Fixture</td>
<td>85 W</td>
<td>24 VDC</td>
</tr>
<tr>
<td></td>
<td>120</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-84085-24VDC</td>
<td>LED Billboard Fixture</td>
<td>85</td>
<td>87</td>
<td>6,800</td>
<td>24</td>
<td>3.71</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-84120-24VDC</td>
<td>LED Billboard Fixture</td>
<td>120</td>
<td>122</td>
<td>9,000</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24 VDC
- Input Line Frequency: 50/60 Hz
- Driver Off-State Draw: 0 Watts
- Sound Rating: Class A
- LED / Driver System Life: 75,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5700°K
- Color Rendering Index (CRI): > 70
- Minimum Starting Temperature: -35°C
- Maximum Starting Temperature: 40°C
- Lumens per Watt: > 70
- Power Factor: > 0.98
- Shock / Vibration Resistant: Yes
- FCC Compliance: Part 18, Subp. C
- IP Rating: IP67
- Warranty: 5 Year

36' x 15' BILLBOARD

- (2) Ad-Poster II Units
- (3) Solar Panels
- (1) Battery System

FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at least 1 ft. from the bottom or top of the board

MOUNTING OPTIONS

Slip Fitter
Hex Nuts
1-1/2" I.D. Accepts up to 1-1/4" Round or Square Pole
GENERAL DESCRIPTION

Neptun's Ad-Bulletin™ LED billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 150 PCS, High Output LED's, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION

- 48'W x 15'H Billboard Requires 2 Units

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Corrosion resistant electrocoat gray 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.
- Continuous silicone gasketing surrounds lens for IP67 weather tight seal.
- 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- High power factor, 24VDC driver.
- 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)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>84</td>
<td>175</td>
<td>24VDC</td>
</tr>
</tbody>
</table>

Source = LED  
Series = Billboard Fixture  
Wattage = 175 W  
Voltage = 24VDC

Sample Number: LED-84175-24VDC  
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-84175-24VDC</td>
<td>LED Billboard Fixture</td>
<td>175</td>
<td>177</td>
<td>14,000</td>
<td>24</td>
<td>7.34</td>
<td>&gt;0.98</td>
<td>50 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver ........................................... Constant Current
- Power Supply ...................................... 350mA
- Start Method ....................................... InstantON
- Hot Re-start ....................................... InstantON
- Input Line Voltage ................................ 24 VDC
- Input Line Frequency .............................. 50/60 Hz
- Driver Off-State Draw ............................ 0 Watts
- Sound Rating ....................................... Class A
- LED / Driver System Life ....................... 75,000 Hrs.
- Lumen Maintenance @50,000Hrs .................. > 70%
- Color Temperature ................................... 5700°K
- Color Rendering Index (CRI) ..................... > 70
- Minimum Starting Temperature .................. -35°C
- Maximum Starting Temperature .................. 40°C
- Lumens per Watt .................................... > 70
- Power Factor ....................................... > 0.98
- Shock / Vibration Resistant ................. Yes
- FCC Compliance ................................... Part 18, Subp. C
- IP Rating .......................................... IP67
- Warranty .......................................... 5 Year

48' x 15' BILLBOARD

- (2) Ad-Bulletin Units
- (4) Solar Panels
- (2) Battery Systems

FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at least 1 ft. from the bottom or top of the board

MOUNTING OPTIONS

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. ©2002-2013 Neptun Light, Inc. All rights reserved.

Spec. Rev. 1-2013
GENERAL DESCRIPTION

Neptun’s LED retrofit billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard and sign applications. The 80 PCS, High Output Cree LED’s, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Direct replacement for Holophane HID fixtures up to 400W provides uniform billboard illumination of 17’ x 17’.

APPLICATION

- (2) 120W units replace (2) 400W HID fixtures on 11’x25’ billboard.
- (3) 100W-120W units replace (3) 400W HID fixtures on 14’x36’ billboard.
- (4) 80W-120W units replaces (4) 400W HID fixtures on 17’x48’ billboard.

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.
- Continuous silicone gasketing surrounds fixture for IP66 weather tight seal.
- 1-1/2” I.D. Slip Fitter Accepts up to 1-1/4” Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, 24VDC driver.
- 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)

ORDERING INFORMATION

Source | Series | Wattage | Voltage
--- | --- | --- | ---
LED = LED | 86 = Retrofit Billboard Fixture | 80 = 80 W 100 = 100 W 120 = 120 W | 24VDC = 24 VDC

Sample Number: LED-86080-24VDC
Custom options and accessories available. Please consult factory
Solar Compatible LED

LED BILLBOARD RETROFIT FIXTURES
17’ X 17’ ILLUMINATION

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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-86080-24VDC</td>
<td>LED Billboard Fixture</td>
<td>80</td>
<td>82</td>
<td>8,000</td>
<td>24</td>
<td>3.49</td>
<td>0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-86100-24VDC</td>
<td>LED Billboard Fixture</td>
<td>100</td>
<td>102</td>
<td>10,000</td>
<td>24</td>
<td>4.37</td>
<td>0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-86120-24VDC</td>
<td>LED Billboard Fixture</td>
<td>120</td>
<td>122</td>
<td>12,000</td>
<td>24</td>
<td>5.25</td>
<td>0.98</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver - Constant Current
- Power Supply - 350mA
- Start Method - InstantON
- Hot Re-start - InstantON
- Universal Input Line Voltage - 24VDC
- Input Line Frequency - 50/60 Hz
- Ballast Off-State Draw - 0 Watts
- Sound Rating - Class A
- ANSI Surge Protection - Class A
- LED / Driver System Life - 75,000 Hrs.
- Lumen Maintenance @50,000Hrs. - > 70%
- Color Temperature - 5,000°K
- Color Rendering Index (CRI) - >70

- Minimum Starting Temperature - -40°C
- Maximum Starting Temperature - 50°C
- Lumens per Watt - > 80
- Shock / Vibration Resistant - Yes
- Power Factor - > 0.98
- Inrush Current Peak - < 10 Amp
- ETL Listed / UL Standard 1598 - Yes
- FCC Compliance - Part 18, Subp. C
- Housing IP Rating - IP66
- Driver IP Rating - IP67
- Optics IP Rating - IP66
- Warranty - 10 Year

COVERAGE RECOMMENDATIONS

- 25’ Billboard (2) 120W Units
- 36’ Billboard (3) 100W-120W Units
- 48’ Billboard (4) 80W-120W Units

MOUNTING OPTIONS

Slip Fitter

1-1/2” I.D. Accepts up to 1-1/4” Round or Square Pole

FOR BEST RESULTS

- Fixtures should be mounted at least 5 to 5-1/2 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.
- 1 for 1 replacement of existing 400W HID Holophane fixtures.

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. ©2002-2013 Neptun Light, Inc. All rights reserved. Spec. Rev. 1-2013
GENERAL DESCRIPTION
Neptun’s LED retrofit billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard and sign applications. The 100 PCS, High Output Cree LED’s, and custom engineered optics, provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. Direct replacement for Holophane HID fixtures up to 400W provides uniform billboard illumination of 17’ x 25’.

APPLICATION
• (4) units replaces (4) 400W HID fixtures on 17’ x 48’ billboard.

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.
• Continuous silicone gasketing surrounds fixture for IP66 weather tight seal.
• 1-1/2” I.D. Slip Fitter Accepts up to 1-1/4” Pipe or Tenon. (hardware included)
• Correlated Color Temperature of (5700°K) for greater visibility.
• Patented constant light control output over 75,000 hrs. life.
• High power factor, 24VDC driver.
• 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)

ORDERING INFORMATION
Sample Number: LED-86130-24VDC
Custom options and accessories available. Please consult factory

Source | Series | Wattage | Voltage
--- | --- | --- | ---
LED = LED | 86 = Retrofit Billboard Fixture | 130 = 130 W 140 = 140 W 150 = 150 W | 24VDC = 24 VDC

Incredible **OFF GRID** Operation
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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-86130-24VDC</td>
<td>LED Billboard Fixture</td>
<td>130</td>
<td>132</td>
<td>13,000</td>
<td>24</td>
<td>5.68</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-86140-24VDC</td>
<td>LED Billboard Fixture</td>
<td>140</td>
<td>142</td>
<td>14,000</td>
<td>24</td>
<td>6.12</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
<tr>
<td>LED-86150-24VDC</td>
<td>LED Billboard Fixture</td>
<td>150</td>
<td>152</td>
<td>15,000</td>
<td>24</td>
<td>6.56</td>
<td>&gt;0.98</td>
<td>35 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Universal Input Line Voltage: 24VDC
- Input Line Frequency: 50/60 Hz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- ANSI Surge Protection: Class A
- LED Driver System Life: 75,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5,000°K
- Color Rendering Index (CRI): >70
- Minimum Starting Temperature: -40°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 80
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- Inrush Current Peak: < 10 Amp
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- Housing IP Rating: IP66
- Driver IP Rating: IP67
- Optics IP Rating: IP66
- Warranty: 10 Year

COVERAGE RECOMMENDATIONS

- 48' Billboard
- (4) 130W-150W Units

MOUNTING OPTIONS

- Slip Fitter
- 1-1/2" I.D. Accepts up to 1-1/4" Round or Square Pole

FOR BEST RESULTS

- Fixtures should be mounted at least 5 to 5-1/2 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.
- 1 for 1 replacement of existing 400W HID Holophane fixtures.
GENERAL DESCRIPTION
Neptun's LED Ad-Poster™ Modular M2 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 60 PCS, High Output Cree LED's and custom engineered optics provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION
• 25' Billboard requires 1 Unit

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.
• Continuous silicone gasketing surrounds optics for IP68 weather tight seal.
• 1-1/2" I.D. Slip Fitter Accepts up to 1-1/4" Pipe or Tenon. (hardware included)
• Correlated Color Temperature of (5700°K) for greater visibility.
• Patented constant light control output over 75,000 hrs. life.
• High power factor, 24VDC driver.
• 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)

ORDERING INFORMATION
Sample Number: LED-87090-M2-24VDC
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Module</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED = LED</td>
<td>87 = Modular Billboard Fixture</td>
<td>090 = 90 W</td>
<td>M2 = 2 Modules</td>
<td>24VDC = 24 VDC</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS**

- **LED Driver**: Constant Current
- **Power Supply**: 350mA
- **Start Method**: InstantON
- **Hot Re-start**: InstantON
- **Input Line Voltage**: 24VDC
- **Input Line Frequency**: 50/60 Hz
- **Ballast Off-State Draw**: 0 Watts
- **Sound Rating**: Class A
- **ANSI Surge Protection**: Class A
- **LED / Driver System Life**: 75,000 Hrs.
- **Lumen Maintenance @50,000Hrs**: > 70%
- **Color Temperature**: 5,700°K
- **Color Rendering Index (CRI)**: >70
- **Minimum Starting Temperature**: -35°C
- **Maximum Starting Temperature**: 50°C
- **Lumens per Watt**: > 90
- **Shock / Vibration Resistant**: Yes
- **Power Factor**: > 0.98
- **Inrush Current Peak**: < 10 Amp
- **ETL Listed / UL Standard 1598**: Yes
- **FCC Compliance**: Part 18, Subp. C
- **Housing IP Rating**: IP65
- **Driver IP Rating**: IP67
- **Optics IP Rating**: IP68
- **Warranty**: 10 Year

**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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-87090-M2-24VDC</td>
<td>LED Billboard Fixture</td>
<td>90</td>
<td>92</td>
<td>9,000</td>
<td>24</td>
<td>3.93</td>
<td>&gt;0.98</td>
<td>25 lbs</td>
</tr>
</tbody>
</table>

**COVERAGE RECOMMENDATIONS**

- 25' Billboard (1 Unit)

**MOUNTING OPTIONS**

- Slip Fitter
  - 1-1/2" I.D.
  - Accepts up to 1-1/4" Round or Square Pole

**FOR BEST RESULTS**

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.
GENERAL DESCRIPTION

Neptun’s LED Ad-Bulletin™ Modular M3 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 90 PCS, High Output Cree LED's and custom engineered optics provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION
- 25' Billboard requires 1 Unit
- 36' Billboard requires 2 Units

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.
- Continuous silicone gasketing surrounds optics for IP68 weather tight seal.
- 1-1/2” I.D. Slip Fitter Accepts up to 1-1/4” Pipe or Tenon. (hardware included)
- Correlated Color Temperature of (5700°K) for greater visibility.
- Patented constant light control output over 75,000 hrs. life.
- High power factor, 24VDC driver.
- 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)

ORDERING INFORMATION

Sample Number: LED-87120-M3-24VDC
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Module</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>87</td>
<td>120 W</td>
<td>M3</td>
<td>24VDC</td>
</tr>
</tbody>
</table>

light innovations @ 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>Input Line Voltage (VDC)</th>
<th>Max Line Current (Amp)</th>
<th>Power Factor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-87120-M3-24VDC</td>
<td>LED Billboard Fixture</td>
<td>120</td>
<td>122</td>
<td>12,000</td>
<td>24</td>
<td>5.25</td>
<td>&gt;0.98</td>
<td>32 lbs</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24VDC
- Input Line Frequency: 50/60 Hz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- ANSI Surge Protection: Class A
- LED / Driver System Life: 75,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5,700°K
- Color Rendering Index (CRI): >70
- Minimum Starting Temperature: -35°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 90
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- Inrush Current Peak: < 10 Amp
- ETL Listed / UL Standard: 1598, Yes
- FCC Compliance: Part 18, Subp. C
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year
- Lumens per Watt: > 90
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- Inrush Current Peak: < 10 Amp
- ETL Listed / UL Standard: 1598, Yes
- FCC Compliance: Part 18, Subp. C
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

COVERAGE RECOMMENDATIONS

- 25' Billboard (1 Unit)
- 36' Billboard (2 Units)

MOUNTING OPTIONS

Slip Fitter

1-1/2" I.D.
Accepts up to 1-1/4"
Round or Square Pole

FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory.

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.

Spec. Rev. 1-2013
GENERAL DESCRIPTION

Neptun's LED Ad-Bulletin™ Modular M4 billboard fixtures combine architectural form and patented design to make it an excellent choice for retrofit or new billboard applications. The 120 PCS, High Output Cree LED's and custom engineered optics provide highly uniform illumination of various billboard sizes. The 24 Volt DC driver allows for compatible use with Solar or Wind powered systems. It can replace existing HID billboard fixtures up to 400W.

APPLICATION

- 48' Billboard requires 2 Unit

ORDERING INFORMATION

Sample Number: LED-87160-M4-24VDC
Custom options and accessories available. Please consult factory

<table>
<thead>
<tr>
<th>Source</th>
<th>Series</th>
<th>Wattage</th>
<th>Module</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>87</td>
<td>160</td>
<td>M4</td>
<td>24VDC</td>
</tr>
</tbody>
</table>

Incredible OFF GRID Operation
SPECIFICATIONS

- LED Driver: Constant Current
- Power Supply: 350mA
- Start Method: InstantON
- Hot Re-start: InstantON
- Input Line Voltage: 24VDC
- Input Line Frequency: 50/60 Hz
- Ballast Off-State Draw: 0 Watts
- Sound Rating: Class A
- ANSI Surge Protection: Class A
- LED / Driver System Life: 75,000 Hrs.
- Lumen Maintenance @50,000Hrs: > 70%
- Color Temperature: 5,700°K
- Color Rendering Index (CRI): >70
- Minimum Starting Temperature: -35°C
- Maximum Starting Temperature: 50°C
- Lumens per Watt: > 90
- Shock / Vibration Resistant: Yes
- Power Factor: > 0.98
- Inrush Current Peak: < 10 Amp
- ETL Listed / UL Standard 1598: Yes
- FCC Compliance: Part 18, Subp. C
- Housing IP Rating: IP65
- Driver IP Rating: IP67
- Optics IP Rating: IP68
- Warranty: 10 Year

COVERAGE RECOMENDATIONS

48' Billboard
(2 Units)

MOUNTING OPTIONS

Slip Fitter

1-1/2" I.D.
Accepts up to 1-1/4"
Round or Square Pole

FOR BEST RESULTS

- Fixtures should be mounted at least 6 ft. from the surface of the board
- Fixtures should be mounted at 30° pre-adjusted at factory