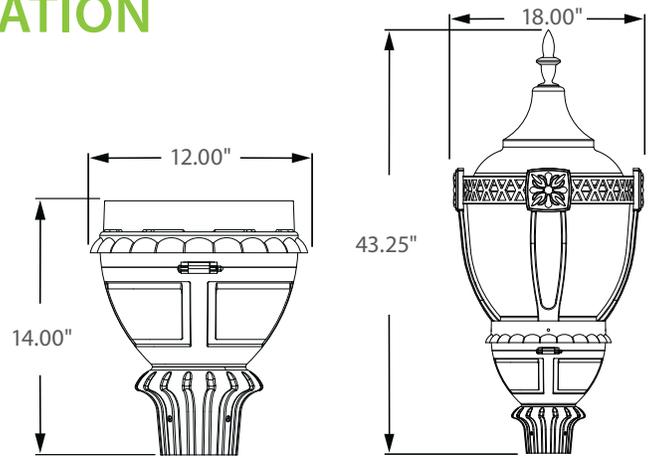


## 24VDC OPERATION



## Incredible OFF GRID 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

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



### PRODUCT INFORMATION

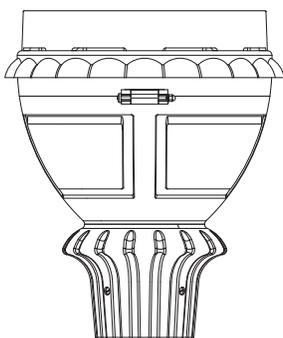
| Model No.   | Description            | Rated Watts | Input Watts | Initial Lumens | Input Line Voltage (VDC) | Max Line Current (Amp) | Power Factor | Weight |
|-------------|------------------------|-------------|-------------|----------------|--------------------------|------------------------|--------------|--------|
| 94050-24VDC | Post Top Acorn Fixture | 50          | 51          | 3,500          | 24                       | 2.18                   | >0.98        | 38 lbs |
| 94080-24VDC | Post Top Acorn Fixture | 80          | 82          | 6,400          | 24                       | 3.49                   | >0.98        | 38 lbs |
| 94100-24VDC | Post Top Acorn Fixture | 100         | 105         | 8,000          | 24                       | 4.37                   | >0.98        | 38 lbs |

### 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

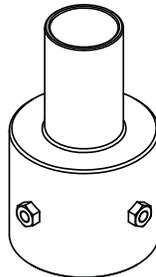
### MOUNTING OPTIONS

#### SLIP-FIT MOUNT



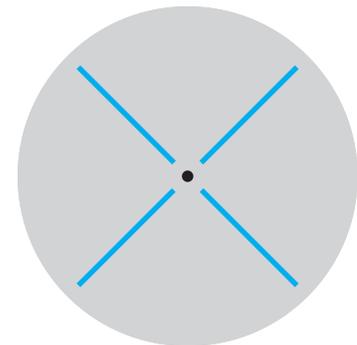
Accepts up to 2-7/8" O.D.  
Round Tenon or Pole

#### IOP-RPTR (contact factory)



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

### PHOTOMETRICS (See Complete IES File)



Type V Distribution

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Neptun Light, Inc. reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.  
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Spec. Rev. 1-2013