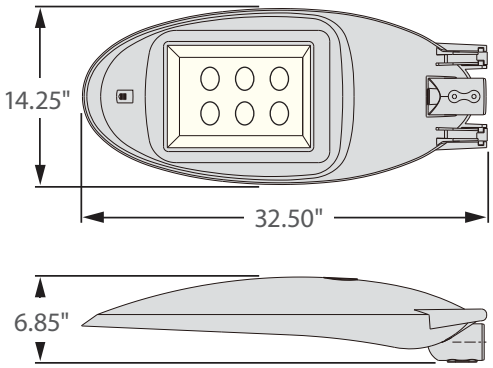
NEPTUN
LIGHT

LED
STREET LIGHT / COBRA HEAD FIXTURES
L6



Dark Sky FRIENDLY

** AVAILABLE **

Bi-Level 100% | Dimming 50%

0 - 10V FULL DIMMING

Incredible 75,000 hrs

GENERAL DESCRIPTION

Neptun's LED street light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-882 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The High output LED's and custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS Street Light fixtures up to 400W.

APPLICATION

- Street Lighting
- Walkway Lighting
- Area Lighting
- Security Lighting

STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with concealed cooling fins.
- Corrosion resistant electrocoat 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)
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Tool-Less entry housing for easy maintenance and installation.
- High Output COB LED's.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)
- **Optional**: 0-10V Dimming, Bi-Level Dimming, Wi-Fi Control, Remote Monitoring and ON/ OFF Control, DC 24V Operation - Solar Compatible

ORDERING INFORMATION

Sample Number: LED-882120-L6-UNV-0-10VDIM-850-LD-GRY
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Accessories	Color
LED-882 = Street Light	**130-L6** = 130 W **140-L6** = 140 W **150-L6** = 150 W **160-L6** = 160 W **170-L6** = 170 W **180-L6** = 180 W	**UNV** = 120-277 VAC **347V** = 347 VAC **480V** = 480 VAC	**0-10VDIM** = 0-10V Dimming **BL-DIM** = Bi-Level Dimming * * Includes Motion Sensor ** Contact factory for dimming options	**835** = 3500°K **841** = 4100°K **850** = 5000°K * * Standard	**LD** = Light Sensor/Photocell **NEMA** Twistlock **MD** = Motion Sensor ON/OFF **LGN** = Light Genie Node ** ** Contact factory for product Information	**GRY** = Grey **BRZ** = Bronze * Custom Colors Available

RoHS COMPLIANT

lightinnovations@work™

NEPTUN LIGHT

LED
STREET LIGHT / COBRA HEAD FIXTURES
L6

PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-882130-L6-UNV	Street Light Fixture	130	132	13,000	120-277	1.13 - 0.49	<20%	>0.90	25 lbs
LED-882140-L6-UNV	Street Light Fixture	140	142	14,000	120-277	1.22 - 0.53	<20%	>0.90	25 lbs
LED-882150-L6-UNV	Street Light Fixture	150	152	15,000	120-277	1.31 - 0.56	<20%	>0.90	25 lbs
LED-882160-L6-UNV	Street Light Fixture	160	162	16,000	120-277	1.39 - 0.60	<20%	>0.90	25 lbs
LED-882170-L6-UNV	Street Light Fixture	170	172	17,000	120-277	1.48 - 0.64	<20%	>0.90	25 lbs
LED-882180-L6-UNV	Street Light Fixture	180	182	18,000	120-277	1.57 - 0.68	<20%	>0.90	25 lbs

SPECIFICATIONS

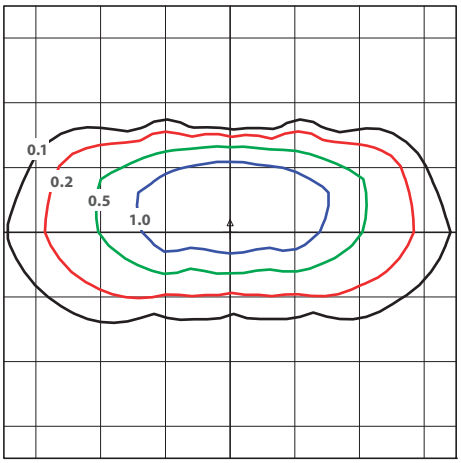
- Driver ..... Constant Current
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Power Supply 350mA
- Driver UL Rating ..... Class 1
- Driver UL Outdoor Rated ..... Wet Location
- Sound Rating ..... Class A
- ANSI Surge Protection ..... IEEE C62.41 C High
- Current Crest Factor ..... 1.5 maximum
- Load Regulation: 5% output current variation across load range
- Line Regulation: 1% output voltage variation across voltage range
- Driver Off-State Draw ..... 0 Watts
- Vibration Compliance 3G
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- LED / Driver System Life ..... 75,000 Hrs.
- Lumen Maintenance @50,000Hrs ..... > 70%
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80
- Minimum Starting Temperature ..... -40°C
- Maximum Starting Temperature ..... +50°C
- Lumens per Watt ..... > 90
- Shock / Vibration Resistant ..... Yes
- Power Factor ..... > 0.90
- Total Harmonic Distortion ..... < 20%
- Inrush Current Peak ..... < 10 Amp
- FCC Compliance ..... Part 15, Subp. C
- EPA Rating ..... 1.54 ft.^{2}
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty ..... 10 Year

MOUNTING OPTIONS

Adjustable Slip Fitter

Accepts
1-1/4" - 2-3/8" O.D.
Tenon or Pipe

PHOTOMETRICS (See Complete IES File)



Horizontal Footcandles
Scale: 1 Hash = 40 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 18351.2
Mounting Height = 40.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 1.76 Fc
Arrangement: Single

NEPTUN LIGHT, INC.
LED-882180-L6-UNV-850

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. 1-2015