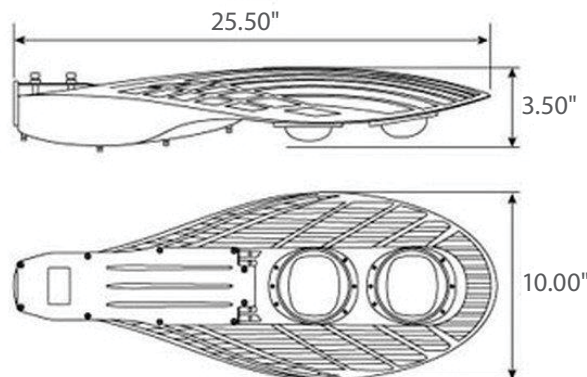




Please check latest update for complete information.  
[http://www.designlights.org/solidstate.about.QualifiedProductsList\\_Publicv2.php](http://www.designlights.org/solidstate.about.QualifiedProductsList_Publicv2.php)



Incredible **75,000** hrs

## 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. It can replace existing HID & HPS fixtures up to 250W.

## 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, low THD 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)
- **Optional:** 0-10V Dimming, Remote Monitoring and ON/ OFF Control, DC 24V Operation - Solar Compatible

## ORDERING INFORMATION

Sample Number: LED-81100-L2-UNV-0-10VDIM-850-LD-GRY  
 Custom options and accessories available. Please consult factory

Series	Wattage	Lens	Voltage	Options	Color Temp	Accessories	Color
<b>LED-81</b> = Street Light	<b>100</b> = 100W <b>120</b> = 120W	<b>L2</b> = 2 Optic Lens	<b>UNV</b> = 120-277 VAC <b>24VDC</b> = 24VDC	<b>0-10VDIM</b> = 0-10V Dimming	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K * * Standard	<b>LD</b> = Light Sensor/Photocell <b>NEMA</b> Twistlock	<b>GRY</b> = Grey



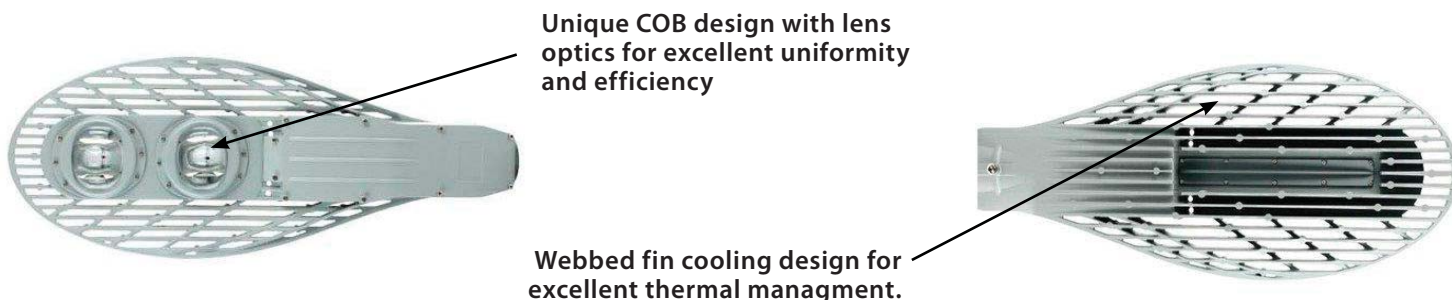
**lightinnovations@work™**

### PRODUCT INFORMATION

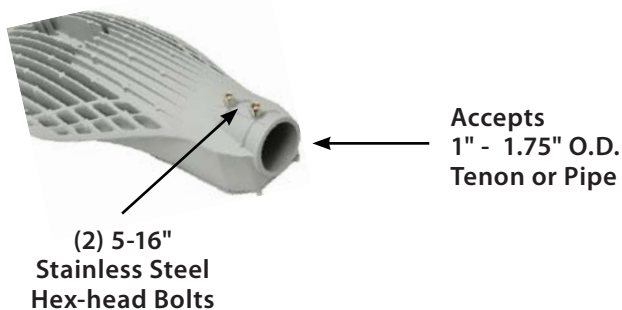
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-81100-L2-UNV	LED Street Light Fixture	100	102	9,500	120-277	0.87 - 0.37	<20%	>0.98	16 lbs
LED-81120-L2-UNV	LED Street Light Fixture	120	122	10,800	120-277	1.05 - 0.45	<20%	>0.98	16 lbs

### SPECIFICATIONS

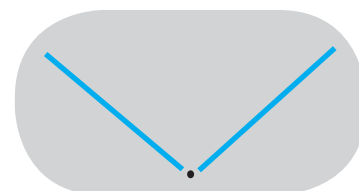
- LED Driver ..... Constant Current
- Power Supply ..... 350mA
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- Ballast Off-State Draw ..... 0 Watts
- Sound Rating ..... Class A
- ANSI Surge Protection ..... Class A
- LED / Driver System Life ..... 75,000 Hrs.
- Lumen Maintenance @50,000Hrs ..... > 70%
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80
- Minimum Starting Temperature ..... -40°C
- Maximum Starting Temperature ..... 50°C
- Lumens per Watt ..... > 90
- Shock / Vibration Resistant ..... Yes
- Power Factor ..... > 0.98
- Total Harmonic Distortion ..... < 20%
- Inrush Current Peak ..... < 10 Amp
- ETL Listed / UL Standard 1598 ..... Yes
- FCC Compliance ..... Part 18, Subp. C
- EPA Rating ..... 0.57
- Housing IP Rating ..... IP65
- Optics IP Rating ..... IP66
- Warranty ..... 10 Year



### MOUNTING OPTIONS



### PHOTOMETRICS (See Complete IES File)



### TYPE III ASYMMETRICAL