

**** AVAILABLE ****
0 - 10V
FULL DIMMING

Incredible **100,000 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-83-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 cooling design.
- Corrosion resistant electrocoat grey finish.
- Slim, state of the art, low profile design for minimum wind load resistance.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- High Output COB LED's with borosilicate glass lens optics.
- High power factor, low THD driver with 6kV/3kA surge protection.
 - Optional 20kV/10kA surge protector available.
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 20 years Maintenance free operation.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)
- **Optional:** 0-10V Dimming, Wi-Fi Control, Remote Monitoring and ON/ OFF Control, DC 24V Operation - Solar Compatible

ORDERING INFORMATION

Sample Number: LED-83100-L2-UNV-0-10VDIM-850-LD-GRY
 Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Accessories	Color
LED-83 = Street Light	100-L2 = 100 W 120-L2 = 120 W	UNV = 120-277 VAC 347V = 347 VAC 480V = 480 VAC 24VDC = 24V DC	0-10VDIM = 0-10V Dimming * Contact factory for dimming options	830 = 3000°K 835 = 3500°K 841 = 4100°K 850 = 5000°K	LD = NEMA Twist-Lock Photocell & Receptacle LDR-3P = 3Pin Photocell Receptacle LDR-7P = 7Pin Photocell Receptacle SP = 20kV/10kA surge protector LGN = Light Genie Node * * Contact factory for product Information	GRY = Grey



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PRODUCT INFORMATION

Model No.	Description	Input Watts	Delivered Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-83100-L2-UNV	LED Street Light Fixture	102	13,260	120-277	0.87 - 0.37	<15%	>0.95	12 lbs
LED-83120-L2-UNV	LED Street Light Fixture	122	15,860	120-277	1.05 - 0.45	<15%	>0.95	12 lbs

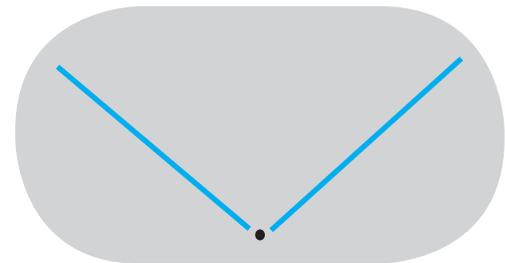
SPECIFICATIONS

- Driver Constant Current
- Start Method InstantON
- Hot Re-start InstantON
- 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
- Projected (L70) @ 25°C > 100,000 hrs.
- Color Temperature Multiple (± 300°K)
- Color Rendering Index (CRI) > 80
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature +50°C
- Lumens per Watt > 130
- Shock / Vibration Resistant Yes
- Power Factor > 0.95
- Total Harmonic Distortion < 15%
- Inrush Current Peak < 10 Amp
- FCC Compliance Part 15, Subp. C
- ETL Listed / UL Standard 1598 Yes
- EPA Rating 0.64 ft.²
- Housing IP Rating IP66
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

MOUNTING OPTIONS



PHOTOMETRICS (See Complete IES File)



TYPE III ASYMMETRICAL

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.
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