

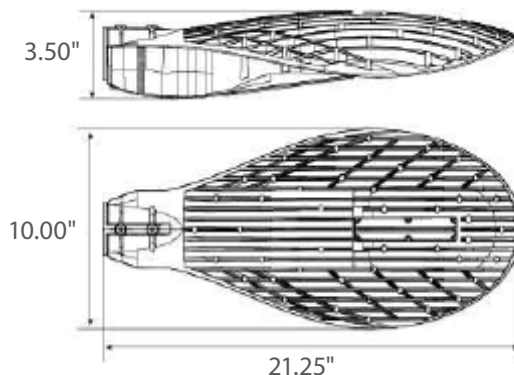


Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl

**** 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-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. It can replace existing HID & HPS fixtures up to 175W.

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.
- 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-81040-L1-UNV-0-10VDIM-850-LD-GRY
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Accessories	Color
LED-81 = Street Light	040-L1 = 40 W 050-L1 = 50 W 060-L1 = 60 W 080-L1 = 80 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-81040-L1-UNV	LED Street Light Fixture	42	5,460	120-277	0.34 - 0.15	<15%	>0.95	10 lbs
LED-81050-L1-UNV	LED Street Light Fixture	52	6,760	120-277	0.43 - 0.18	<15%	>0.95	10 lbs
LED-81060-L1-UNV	LED Street Light Fixture	62	8,060	120-277	0.52 - 0.22	<15%	>0.95	10 lbs
LED-81080-L1-UNV	LED Street Light Fixture	82	10,660	120-277	0.70 - 0.30	<15%	>0.95	10 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 ($\pm 300^{\circ}\text{K}$)

- Color Rendering Index (CRI) > 80
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature $+50^{\circ}\text{C}$
- 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 0.51 ft.²
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

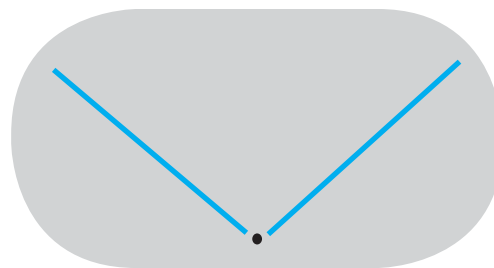
MOUNTING OPTIONS



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

Accepts
1" - 2" O.D.
Tenon or Pipe

PHOTOMETRICS (See Complete IES File)



TYPE III ASYMMETRICAL

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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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