

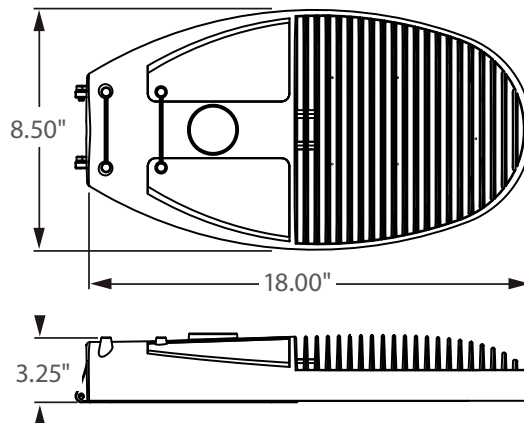


\*\* AVAILABLE \*\*

**0 - 10V**  
FULL DIMMING

**Bi-Level**  
100%

**Dimming**  
50%



Incredible **100,000** 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-776 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 150W.

## APPLICATION

- Street Lighting
- Pathway Lighting
- Parking Lot Lighting
- Security Lighting
- Storage Area Lighting

## STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with excellent thermal management.
- Corrosion resistant polyester powder finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Tool-Less entry housing w/ quick disconnect for easy installation.
- Internal Bubble Level for easy installation.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- 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, Bi-Level Dimming, Wi-Fi Control, Remote Monitoring and ON/ OFF Control, DC 24V Operation - Solar Compatible

## ORDERING INFORMATION

Sample Number: LED-776050-L2-UNV-0-10VDIM-850-LD-T2-GRY  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Accessories	Optics	Color
<b>LED-776</b> = Street Light	<b>040-L2</b> = 40 W <b>050-L2</b> = 50 W <b>060-L2</b> = 60 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC <b>24VDC</b> = 24 VDC	<b>0-10VDIM</b> = 0-10V Dimming <b>BL-DIM</b> = Bi-Level Dimming * * Includes Motion Sensor * Contact factory for dimming options	<b>830</b> = 3000°K <b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K	<b>LD</b> = NEMA Twist-Lock Photocell & Receptical <b>LDR-3P</b> = 3-Pin Photocell Receptical <b>LDR-7P</b> = 7-Pin Photocell Receptical <b>MD</b> = Motion Sensor ON/OFF <b>SP</b> = 20kV/10kA surge protector <b>HSGS</b> = House Side Glare Shield <b>BG</b> = Bird Guard <b>LGN</b> = Light Genie Node * * Contact factory for Information	<b>T2</b> = Type 2 Distribution <b>T2N</b> = Type 2 Narrow Dist. <b>T3</b> = Type 3 Distribution	<b>GRY</b> = Grey <b>BRZ</b> = Bronze * Custom Colors Available



## PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Delivered Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-776040-L2-UNV	LED Street Light	40	42	4,800	120-277	0.34 - 0.15	<20%	>0.90	9 lbs
LED-776050-L2-UNV	LED Street Light	50	52	6,000	120-277	0.43 - 0.18	<20%	>0.90	9 lbs
LED-776060-L2-UNV	LED Street Light	60	62	7,200	120-277	0.52 - 0.22	<20%	>0.90	9 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
- Projected (L70) @ 25°C ..... > 100,000 hrs.

- Color Temperature ..... Multiple
- Color Rendering Index (CRI) ..... > 80
- Minimum Starting Temperature ..... -40°C
- Maximum Starting Temperature ..... +50°C
- Lumens per Watt ..... > 100
- 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 ..... 0.40 ft.<sup>2</sup>
- Housing IP Rating ..... IP66
- Driver IP Rating ..... IP67
- Optics IP Rating ..... IP68
- Warranty ..... 10 Year

## MOUNTING OPTIONS

Tool-Less Entry

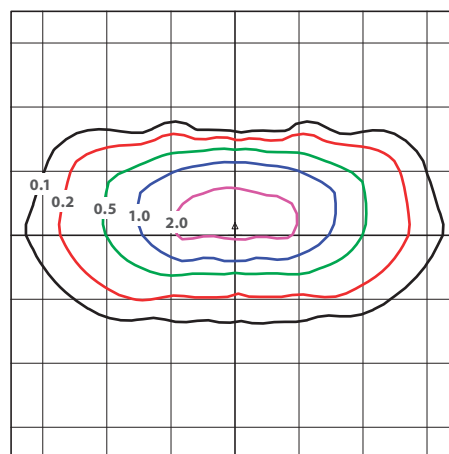


Accepts 1-1/4" - 2-3/4" O.D. Tenon or Pipe



(2) Mounting Clamps  
(4) Stainless Steel Fastening Bolts

## PHOTOMETRICS (See Complete IES File)



Horizontal Footcandles  
Scale: 1 Hash = 30 Ft.  
Light Loss Factor = 1.00  
Total Lamp Lumens = 7182.32  
Mounting Height = 25.00 Ft., Tilt = 5 Degrees  
Maximum Calculated Value = 2.65 Fc  
Arrangement: Single

NEPTUN LIGHT, INC.  
LED-776060-L2-UNV-850-T2