

**\*\* AVAILABLE \*\***

**0 - 10V**  
FULL DIMMING

**Bi-Level Dimming**  
100% 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-779 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 400W.

## APPLICATION

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

## STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast, low copper alloy aluminum housing with integral heat sink fins for excellent thermal management.
- Finish tested to withstand 2,000 hrs. of salt spray testing according to ASTM B117 and meets ASTM D523 gloss retention.
- 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.

## ORDERING INFORMATION

Sample Number: LED-779210-L7-UNV-0-10VDIM-850-LD-T2-GRY  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Accessories	Optics	Color
LED-779 = Street Light	190-L7 = 190 W 200-L7 = 200 W 210-L7 = 210 W 220-L7 = 220 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	830 = 3000°K 835 = 3500°K 841 = 4100°K 850 = 5000°K AMB = Amber (585-595nm)* * Turtle Friendly	LD = NEMA Twist-Lock Photocell & Receptacle LDR-3P = 3Pin Photocell Receptacle LDR-7P = 7Pin Photocell Receptacle MD = Motion Sensor ON/OFF SP = 20kV/10kA surge protector HSGS = House Side Glare Shield BG = Bird Guard LGN = Light Genie Node * * Contact factory for Information	T2 = Type 2 Distribution T2N = Type 2 Narrow Dist. T3 = Type 3 Distribution	GRY = Grey BRZ = Bronze * Custom Colors Available



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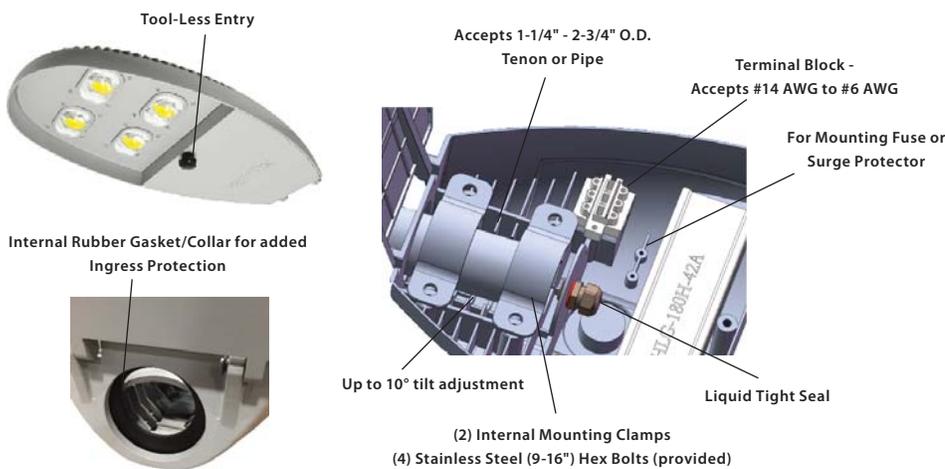
## PRODUCT INFORMATION

Model No.	Description	Input Watts	Delivered Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-779190-L7-UNV	LED Street Light	192	24,960	120-277	1.66 - 0.72	<15%	>0.95	24 lbs
LED-779200-L7-UNV	LED Street Light	202	26,260	120-277	1.74 - 0.75	<15%	>0.95	24 lbs
LED-779210-L7-UNV	LED Street Light	212	27,560	120-277	1.83 - 0.79	<15%	>0.95	24 lbs
LED-779220-L7-UNV	LED Street Light	222	28,860	120-277	1.92 - 0.83	<15%	>0.95	24 lbs

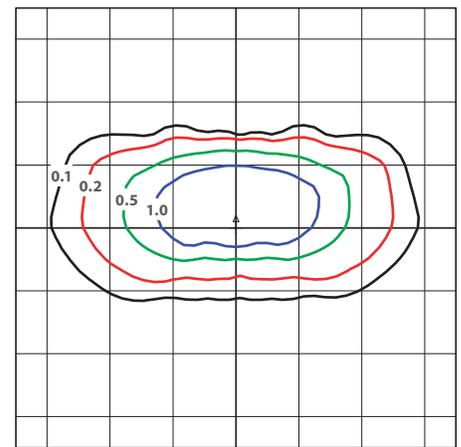
## SPECIFICATIONS

- Driver ..... Constant Current
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Driver UL Rating ..... Class 2
- 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 Rating ..... 3G (ANSI C136.31-2001)
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- BUG Rating ..... B3-U0-G3
- Color Temperature ..... Multiple (± 300°K)
- Color Rendering Index (CRI) ..... > 80
- Operating Temperature ..... -40°C to +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
- EPA Rating ..... 0.56 ft.<sup>2</sup>
- Housing IP Rating ..... IP66
- Driver IP Rating ..... IP67
- Optics IP Rating ..... IP68
- Warranty ..... 10 Year

## MOUNTING OPTIONS



## PHOTOMETRICS (See Complete IES File)



Horizontal Footcandles  
 Scale: 1 Hash = 50 Ft.  
 Light Loss Factor = 1.00  
 Total Lamp Lumens = 24990.26  
 Mounting Height = 40.00 Ft., Tilt = 5 Degrees  
 Maximum Calculated Value = 2.53 Fc  
 Arrangement: Single

NEPTUN LIGHT, INC.  
 LED-779190-L7-UNV-850-T2

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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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