Dark Sky FRIENDLY

** AVAILABLE **

0 - 10V FULL DIMMING

Bi-Level 100% **Dimming 50%**

12.00"

25.00"

3.25"

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 borocilicate 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-779180-L6-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	**160-L6** = 160 W **170-L6** = 170 W **180-L6** = 180 W **190-L6** = 190 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

PROUDLY MADE IN AMERICA WITH DOMESTIC AND IMPORTED MATERIALS

RoHS COMPLIANT LEAD FREE
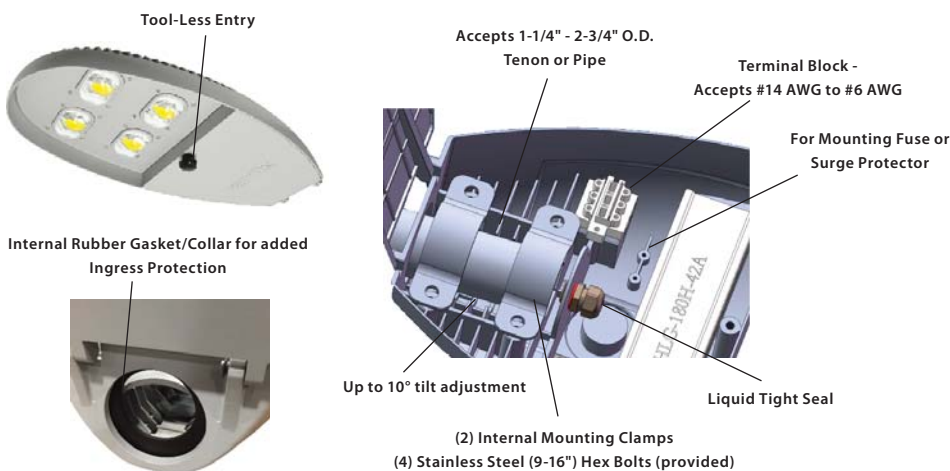
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PRODUCT INFORMATION

Model No.	Description	Input Watts	Delivered Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-779160-L6-UNV	LED Street Light	162	21,060	120-277	1.39 - 0.60	<15%	>0.95	24 lbs
LED-779170-L6-UNV	LED Street Light	172	22,360	120-277	1.48 - 0.64	<15%	>0.95	24 lbs
LED-779180-L6-UNV	LED Street Light	182	23,660	120-277	1.57 - 0.68	<15%	>0.95	24 lbs
LED-779190-L6-UNV	LED Street Light	192	24,960	120-277	1.66 - 0.72	<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.^{2}
- Housing IP Rating IP66
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty ....10 Year

MOUNTING OPTIONS

Tool-Less Entry

Internal Rubber Gasket/Collar for added Ingress Protection

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

Terminal Block - Accepts #14 AWG to #6 AWG

For Mounting Fuse or Surge Protector

Up to 10° tilt adjustment

Liquid Tight Seal

(2) Internal Mounting Clamps
(4) Stainless Steel (9-16") Hex Bolts (provided)

PHOTOMETRICS (See Complete IES File)

0.1 0.2 0.5 1.0
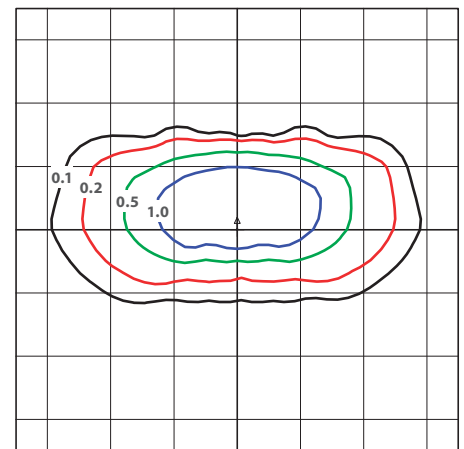
Horizontal Footcandles
Scale: 1 Hash = 50 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 21092.26
Mounting Height = 40.00 Ft. , Tilt = 5 Degrees
Maximum Calculated Value = 2.32 Fc
Arrangement: Single

NEPTUN LIGHT, INC.
LED-779160-L7-UNV-850-T2

Neptun Light, Inc.
13950 Business Center Drive
Lake Forest, IL 60045
Fax: 847.735.8004

service@neptunlight.com   **www.NeptunLight.com**   **888.735.8330**