

** AVAILABLE **

Bi-Level Dimming
100% 50%

0 - 10V
FULL DIMMING



Incredible **75,000 hrs**

GENERAL DESCRIPTION

Neptun's Modular LED Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-89 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 750W.

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 for easy maintenance and installation.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Optional NEMA Twistlock Photocell for increased energy savings.
- Modular High Output design with Cree LED Chips.
- Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
- InstantON flicker-free Cold Start and Hot Re-Start.
- Up to 15 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

ORDERING INFORMATION

Sample Number: LED-89280-M6-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-89 = Modular Street Light	280-M6 = 280 W 290-M6 = 290 W 300-M6 = 300 W 310-M6 = 310 W 320-M6 = 320 W 330-M6 = 330 W	UNV = 120-277 VAC 347V = 347 VAC 480V = 480 VAC 24VDC = 24 VDC	0-10VDIM = 0-10V Dimming BL-DIM = Bi-Level Dimming * * Includes Motion Sensor * Contact factory for dimming options	835 = 3500°K 841 = 4100°K 850 = 5000°K * * Standard	LD = NEMA Photocell MD = Motion Sensor ON/OFF LGN = Light Genie Node ** ** Contact factory for product information	T2 = Type 2 Distribution T2N = Type 2 Narrow Distribution	GRY = Grey BRZ = Bronze * Custom Colors Available



PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-89280-M6-UNV	LED Roadway Fixture	280	282	28,000	120-277	2.44 - 1.06	<20%	>0.90	45 lbs
LED-89290-M6-UNV	LED Roadway Fixture	290	292	29,000	120-277	2.53 - 1.09	<20%	>0.90	45 lbs
LED-89300-M5-UNV	LED Roadway Fixture	300	302	30,000	120-277	2.62 - 1.13	<20%	>0.90	45 lbs
LED-89310-M5-UNV	LED Roadway Fixture	310	312	31,000	120-277	2.71 - 1.17	<20%	>0.90	45 lbs
LED-89320-M5-UNV	LED Roadway Fixture	320	322	32,000	120-277	2.79 - 1.21	<20%	>0.90	45 lbs
LED-89330-M6-UNV	LED Roadway Fixture	330	332	33,000	120-277	2.88 - 1.25	<20%	>0.90	45 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
- LED / Driver System Life 75,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5,000°K
- Color Rendering Index (CRI) > 80
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature +50°C
- Lumens per Watt > 90
- 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 0.84 ft.²
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

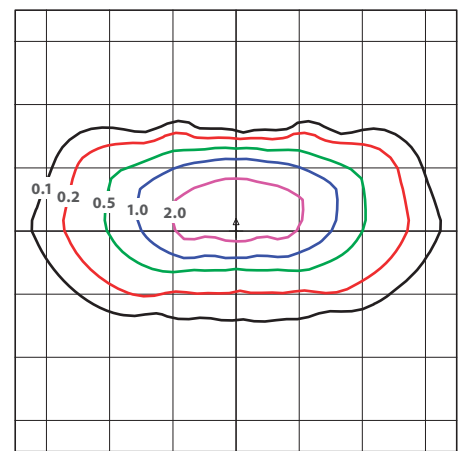
MOUNTING OPTIONS

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 = 50 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 33156.18
Mounting Height = 40.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 3.01 Fc
Arrangement: Single

NEPTUN LIGHT, INC.
LED-89330-M6-UNV-850-T2