

** AVAILABLE **

Bi-Level Dimming
100% 50%

0 - 10V

FULL DIMMING



Incredible 100,000 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.
- Continuous silicone gasket surrounds lens for IP68 weather tight seal.
- Tool-Less entry housing for easy installation and maintenance.
- Internal Bubble Level for easy installation.
- 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 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-89220-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 | 220-M6 = 220 W 230-M6 = 230 W 240-M6 = 240 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 | LD = NEMA Twist-Lock Photocell & Receptical LDR-3P = 3-Pin Photocell Receptical LDR-7P = 7-Pin Photocell Receptical MD = Motion Sensor ON/OFF SP = 20kV/10kA surge protector HSGS = House Side Glare Shield LGN = Light Genie Node * * Contact factory for product Information | T2 = Type 2 Distribution T2N = Type 2 Narrow Dist. | GRY = Grey BRZ = 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-89220-M6-UNV | LED Roadway Fixture | 220 | 222 | 26,400 | 120-277 | 1.92 - 0.83 | <20% | >0.90 | 45 lbs |
| LED-89230-M6-UNV | LED Roadway Fixture | 230 | 232 | 27,600 | 120-277 | 2.01 - 0.87 | <20% | >0.90 | 45 lbs |
| LED-89240-M6-UNV | LED Roadway Fixture | 240 | 242 | 28,800 | 120-277 | 2.10 - 0.90 | <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
- 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 0.84 ft.²
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

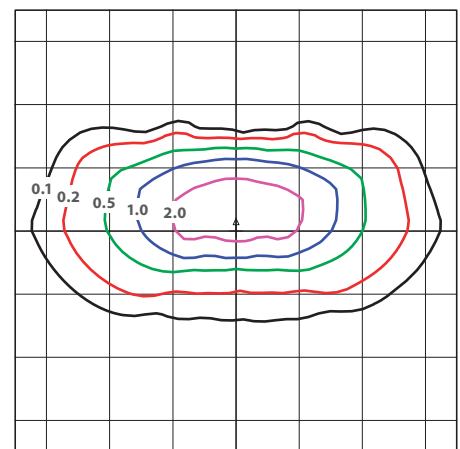
MOUNTING OPTIONS

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 = 27016.18
Mounting Height = 40.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 3.01 Fc
Arrangement: Single

NEPTUN LIGHT, INC.
LED-89240-M6-UNV-850-T2