

** 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 400W.

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-89230-M5-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 | 230-M5 = 230 W 240-M5 = 240 W 250-M5 = 250 W 260-M5 = 260 W 275-M5 = 275 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-89230-M5-UNV | LED Roadway Fixture | 230 | 232 | 23,000 | 120-277 | 2.01 - 0.87 | <20% | >0.90 | 40 lbs |
| LED-89240-M5-UNV | LED Roadway Fixture | 240 | 242 | 24,000 | 120-277 | 2.10 - 0.90 | <20% | >0.90 | 40 lbs |
| LED-89250-M5-UNV | LED Roadway Fixture | 250 | 252 | 25,000 | 120-277 | 2.18 - 0.94 | <20% | >0.90 | 40 lbs |
| LED-89260-M5-UNV | LED Roadway Fixture | 260 | 262 | 26,000 | 120-277 | 2.27 - 0.98 | <20% | >0.90 | 40 lbs |
| LED-89275-M5-UNV | LED Roadway Fixture | 275 | 277 | 27,500 | 120-277 | 2.40 - 1.04 | <20% | >0.90 | 40 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 0.77 ft.²
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

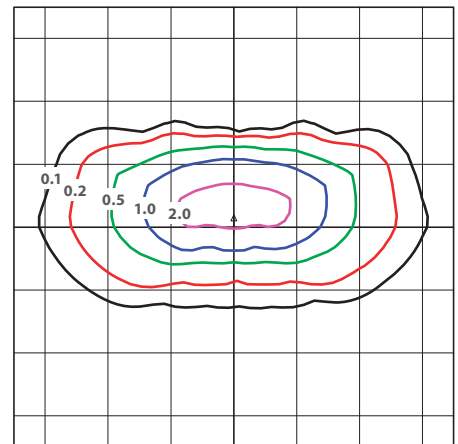
MOUNTING OPTIONS

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 = 27745.48
Mounting Height = 40.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 2.52 Fc
Arrangement: Single

NEPTUN LIGHT, INC.
LED-89275-M5-UNV-850-T2