

** 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 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.
- 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-89180-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	180-M5 = 180 W 190-M5 = 190 W 200-M5 = 200 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-89180-M5-UNV	LED Roadway Fixture	180	182	21,600	120-277	1.57 - 0.68	<20%	>0.90	40 lbs
LED-89190-M5-UNV	LED Roadway Fixture	190	192	22,800	120-277	1.66 - 0.72	<20%	>0.90	40 lbs
LED-89200-M5-UNV	LED Roadway Fixture	200	202	24,000	120-277	1.74 - 0.75	<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
- 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 0.77 ft.²
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP68
- Warranty 10 Year

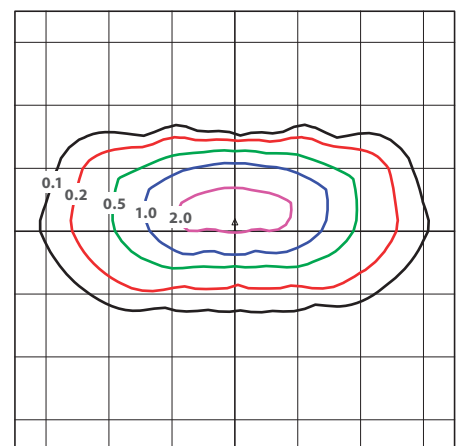
MOUNTING OPTIONS

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 = 22508.48
Mounting Height = 40.00 Ft., Tilt = 5 Degrees
Maximum Calculated Value = 2.52 Fc
Arrangement: Single

NEPTUN LIGHT, INC.
LED-89200-M5-UNV-850-T2