



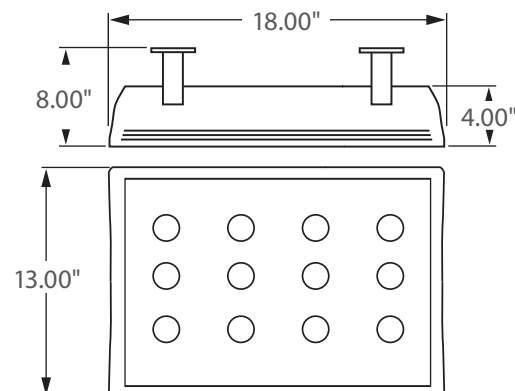
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OUTDOOR RATED  
**IP66**

\*\* AVAILABLE \*\*

Bi-Level Dimming  
 100% 50%

0 - 10V  
 FULL DIMMING



Incredible **75,000** hrs

## GENERAL DESCRIPTION

Neptun's low-profile LED fixtures feature a sleek architectural design and durability to be used in new construction or retrofit applications. The LED-49 series fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. It can replace existing HID & HPS fixtures up to 250 Watts.

## APPLICATION

- Indoor Low-Bay Lighting
- Parking Garage Lighting
- Canopy Lighting
- Freezer Lighting
- Storage Lighting
- Security Lighting
- Area Lighting
- Tunnel Lighting

## STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Heat and impact resistant tempered glass lens with anti-glare diffuser.
- Corrosion resistant electrocoat dark grey finish (custom colors available).
- Continuous silicone gasket surrounds lens for weather - tight seal.
- Various mounting options available.
- High Output COB LED's.
- High power factor, low THD driver with 10kV Surge Protection.
- High performance Thermal Management system.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)
- **Optional:** Bi-Level Dimming, 0-10V Dimming, Wi-Fi Control, Remote Monitoring and ON/ OFF Control

## ORDERING INFORMATION

Sample Number: LED-49075-18-UNV-0-10VDIM-750-MD-PDM-C3  
 Custom options and accessories available. Please consult factory

| Series               | Wattage                                           | Voltage                                                                 | Options                                                                                                                       | CCT                                                          | Accessories                                                                                                                                                        | Options                                                                                                                                           |
|----------------------|---------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| LED-49 = Low-Profile | 075-18 = 75 W<br>100-18 = 100 W<br>120-18 = 120 W | UNV = 120-277 VAC<br>347V = 347 VAC<br>480V = 480 VAC<br>24VDC = 24V DC | 0-10VDIM = 0-10V Dimming<br>BL-DIM = Bi-Level Dimming *<br>* Includes Motion Sensor<br>** Contact Factory for dimming options | 735 = 3500°K<br>741 = 4100°K<br>750 = 5000°K *<br>* Standard | MD = Motion Sensor ON/OFF<br>DLH = Day Light Harvesting*<br>GPPL = Gripple Hangers<br>PDM = Pendant Mount<br>* Used with 0-10V Dimming<br>**See pg. 2 for mounting | C3* = 3' Cord-No Plug<br>(other lengths available C6 = 6' cord)<br>PC3 = 3' Cord with NEMA Plug<br>(verify plug type when ordering)<br>* Standard |



## 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-49075-18-UNV | Low Profile LED Fixture | 75          | 77          | 7,000          | 120-277                      | 0.65 - 0.28                        | <20% | >0.90        | 30 lbs |
| LED-49100-18-UNV | Low Profile LED Fixture | 100         | 102         | 9,900          | 120-277                      | 0.87 - 0.37                        | <20% | >0.90        | 30 lbs |
| LED-49120-18-UNV | Low Profile LED Fixture | 120         | 122         | 10,080         | 120-277                      | 1.05 - 0.45                        | <20% | >0.90        | 30 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
- Driver Off-State Draw ..... 0 Watts
- 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 ..... > 85
- Shock / Vibration Resistant ..... ANSI-C136.31.
- Power Factor ..... > 0.90
- Total Harmonic Distortion ..... < 20%
- Inrush Current Peak ..... < 10 Amp
- FCC Compliance ..... Part 15, Subp. C
- ETL Listed / UL Standard 1598 ..... Yes
- Housing IP Rating ..... IP66
- Driver IP Rating ..... IP67
- Warranty ..... 5 Year

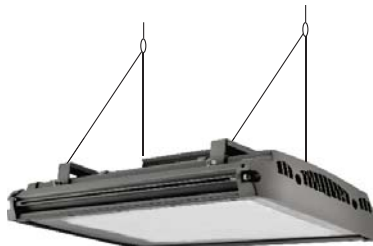
## MOUNTING OPTIONS

Surface Mount



Adjustable Mounting Brackets (Standard)

Hanging Mount

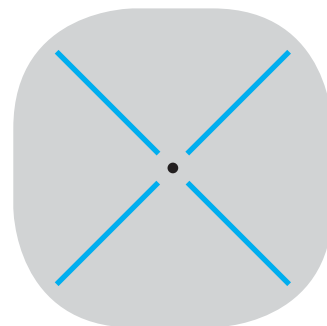


Supplied with Gripple Hangers (GPPL)



Pendant Mount  
3/4" K.O. (PDM)  
Pendant Not Included

## PHOTOMETRICS (See Complete IES File)



Type V Distribution