

**PRODUCT DATA SHEETS**

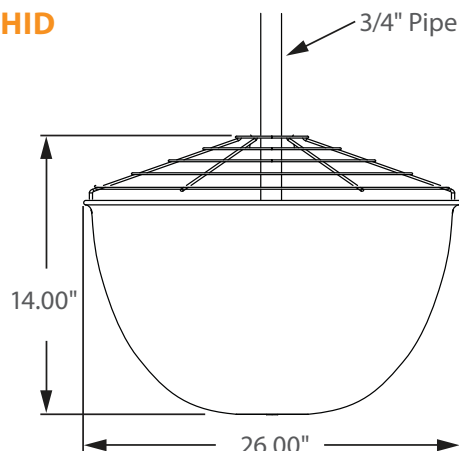
LED Sports Lighting

REPLACEMENT FOR 1000W HID



\*\* AVAILABLE \*\*

0 - 10V  
FULL DIMMING



Incredible **100,000** hrs

### GENERAL DESCRIPTION

Neptun's High Power LED Indirect pendant mount fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The COB lensed optics designs provides uniform, indirect illumination without glare or hot spots. It can replace existing HID & HPS fixtures up to 1000W.

### APPLICATION

- Tennis Court Lighting
- Athletic Facility Lighting
- Pool Lighting
- Factory Lighting
- Convention Center Lighting
- Retail Lighting

### STRUCTURE, MATERIALS, & FEATURES

- Die cast aluminum housing with internal finned construction.
- Corrosion resistant electrocoat white finish (custom colors available).
- Angled wire guard included.
- Designed to accept 3/4" NPT pipe.
- High Output COB Cree 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.
- 10 Year Warranty on complete fixture. (LED's, Driver, & Housing)
- **Optional:** 0-10V Dimming, Wi-Fi Control, Remote Monitoring and ON/ OFF Control

### ORDERING INFORMATION

Sample Number: LED-55450-UNV-0-10VDIM-850-PDM4-PG  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Drivers	Color Temp	Options
<b>LED-55</b> = LED Indirect Pendant Mount	<b>450</b> = 450 W <b>500</b> = 500 W <b>550</b> = 550 W <b>600</b> = 600 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC	<b>0-10VDIM</b> = 0-10V Dimming * Contact Factory for Dimming options	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K * * Standard	<b>PDM4</b> = 4' Pendant - 3/4" NPT <b>PDM5</b> = 5' Pendant - 3/4" NPT <b>PDM6</b> = 6' Pendant - 3/4" NPT (other lengths available PDM 8= 8' Pendant) <b>PG</b> = Nema Plug (verify plug type when ordering)



**\*\*PATENT PENDING\*\***

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## PRODUCT INFORMATION

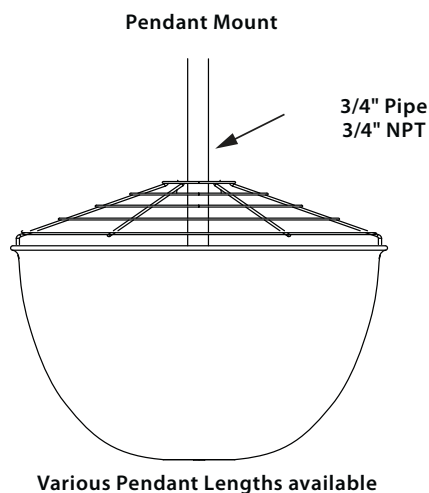
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
LED-55450-UNV	Indirect Pendant Mount	450	455	45,000	120-277	3.93 - 1.70	<20%	>0.90	60 lbs
LED-55500-UNV	Indirect Pendant Mount	500	505	50,000	120-277	4.37 - 1.89	<20%	>0.90	60 lbs
LED-55550-UNV	Indirect Pendant Mount	550	555	55,000	120-277	4.81 - 2.08	<20%	>0.90	60 lbs
LED-55600-UNV	Indirect Pendant Mount	600	605	60,000	120-277	5.52 - 2.27	<20%	>0.90	60 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
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80

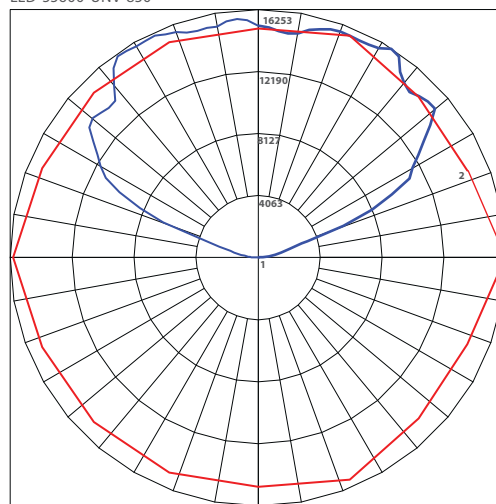
- Beam Angle ..... 60°
- Minimum Starting Temperature ..... -40°C
- Maximum Starting Temperature ..... +50°C
- Lumens per Watt ..... > 100
- Shock / Vibration Resistant ..... Yes
- Power Factor ..... > 0.90
- Total Harmonic Distortion ..... < 20%
- Inrush Current Peak ..... < 10 Amp
- FCC Compliance ..... Part 15, Subp. C
- Housing IP Rating ..... IP43
- Optics IP Rating ..... IP68
- Driver IP Rating ..... IP67
- Warranty ..... 10 Year

## MOUNTING OPTIONS



## PHOTOMETRICS (See Complete IES File)

Polar Graph  
Neptun Light, Inc.  
LED-55600-UNV-850



Maximum Candela = 16253.443  
Located At Horizontal Angle = 0, Vertical Angle = 147.5  
#1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
#2 - Horizontal Cone Through Vertical Angle (147.5) (Through Max. Cd.)

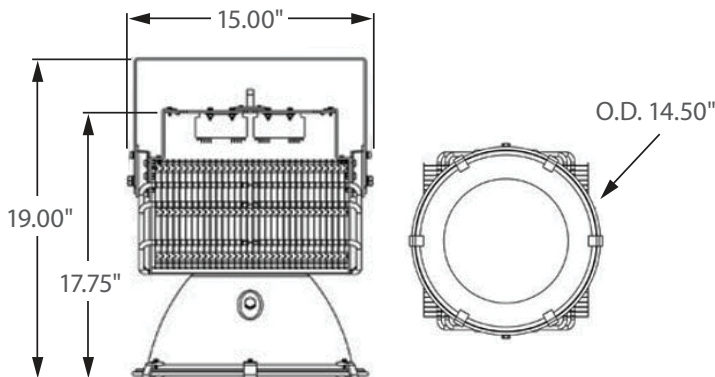
Neptun Light, Inc.  
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Spec. Rev. 5-2015



**REPLACEMENT FOR 1500W HID**



**\*\* AVAILABLE \*\***

**0 - 10V**  
**FULL DIMMING**

**Incredible 100,000 hrs**

## GENERAL DESCRIPTION

Neptun's LED Sports Light fixture features classic form and durability to be used in new construction or retrofit applications. The LED-HM62 series fixture features excellent optics and its rugged design allows for use in a variety of indoor & outdoor applications. It can replace existing HID & HPS fixtures up to 1500 Watts.

## APPLICATION

- Sports Field Lighting
- Sports Arena Lighting
- Gymnasium Lighting
- High-Mast Lighting
- Yard Lighting
- Area & Storage Lighting

## STRUCTURE, MATERIALS, & FEATURES

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

## ORDERING INFORMATION

Sample Number: LED-HM62-500-UNV-0-10VDIM-850-B25  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Beam Options	Accessories
<b>LED-HM62</b> = Sports Lighter	<b>500</b> = 500 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC	<b>0-10VDIM</b> = 0-10V Dimming * Contact Factory for dimming options.	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K * * Standard	<b>B25</b> = 25° Beam <b>B45</b> = 45° Beam <b>B60</b> = 60° Beam <b>B90</b> = 90° Beam <b>B100</b> = 100° Beam	<b>LD</b> = Twist-Lock Photocell



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## PRODUCT INFORMATION

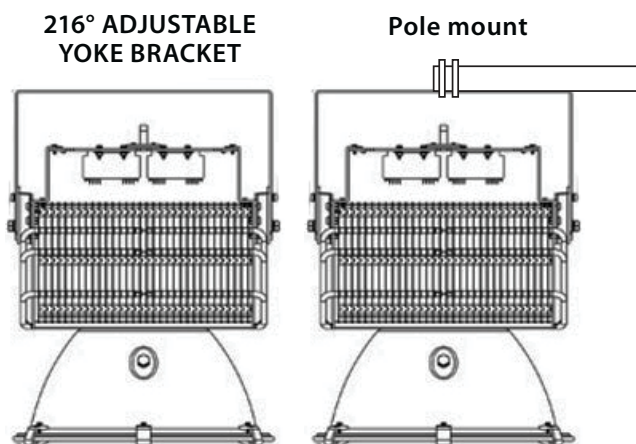
Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) @ 120 - 277	THD	Power Factor	Weight
LED-HM62-500-UNV	LED Sports Lighter	500	502	45,000	120-277	4.37 - 1.89	<20%	>0.90	60 lbs

## SPECIFICATIONS

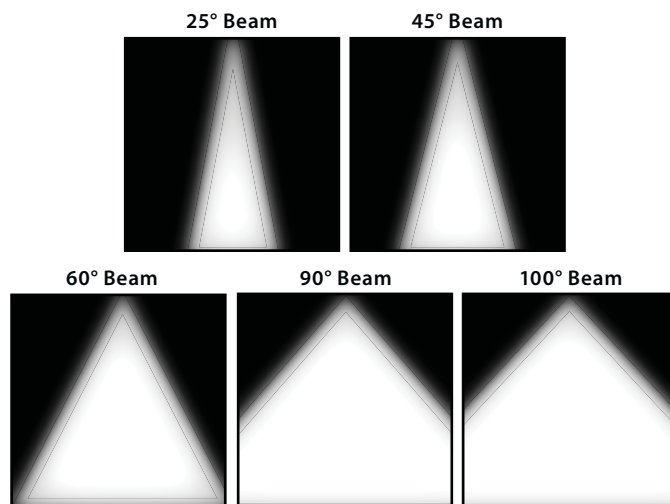
- Driver ..... Constant Current
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Power Supply ..... 350mA
- Driver UL Rating ..... Class 1
- Driver UL Outdoor Rated ..... Wet Location
- Sound Rating ..... Class A
- ANSI Surge Protection ..... IEEE C62.41 C High
- Driver Off-State Draw ..... 0 Watts
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- Color Temperature ..... 5,000°K

- Color Rendering Index (CRI) ..... > 80
- Beam Angle ..... 60°
- 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
- Housing IP Rating ..... IP65
- Driver IP Rating ..... IP67
- Warranty ..... 5 Year

## MOUNTING OPTIONS



## PHOTOMETRICS (See Complete IES File)



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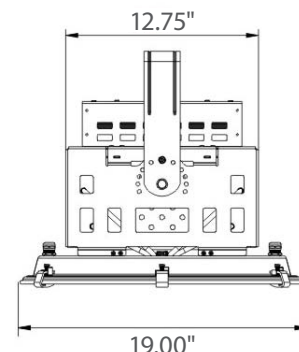
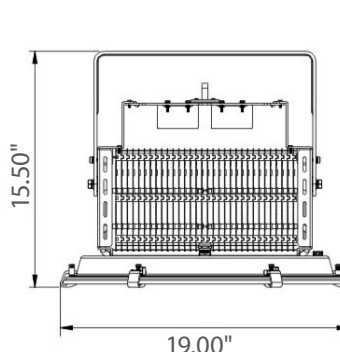
Spec. Rev. 6-2015

REPLACEMENT FOR 1500W HID



\*\* AVAILABLE \*\*

0 - 10V  
FULL DIMMING



Incredible 100,000 hrs

## GENERAL DESCRIPTION

Neptun's LED Sports Lighter fixture features an architectural design and durability to be used in new construction or retrofit applications. The LED-SL60 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 1500 Watts.

## APPLICATION

- Sports Field Lighting
- Sports Arena Lighting
- Gymnasium Lighting
- High-Mast Lighting
- Yard Lighting
- Area & Storage Lighting

## STRUCTURE, MATERIALS, & FEATURES

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

## ORDERING INFORMATION

Sample Number: LED-SL60-500-UNV-0-10VDIM-850-B06-LD  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Beam Angle	Accessories
<b>LED-SL60</b> = Sports Lighter	<b>250</b> = 250 W <b>500</b> = 500 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC	<b>0-10VDIM</b> = 0-10V Dimming * Contact Factory for dimming options.	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K * * Standard	<b>B06</b> = 6° Beam <b>B10</b> = 10° Beam <b>B20</b> = 20° Beam <b>B25</b> = 25° Beam <b>B30</b> = 30° Beam <b>B60</b> = 60° Beam	<b>LD</b> = Twist-Lock Photocell <b>C3*</b> = 3' Cord-No Plug (other lengths available by specifying cord length C6 = 6' cord) <b>PC3</b> = 3' Cord with NEMA Plug (verify plug type when ordering) * Standard



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## 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-SL60-250-UNV	LED Sports Lighter	250	252	25,000	120-277	2.18 - 0.94	<20%	>0.90	60 lbs
LED-SL60-500-UNV	LED Sports Lighter	500	502	50,000	120-277	4.37 - 1.89	<20%	>0.90	60 lbs

## SPECIFICATIONS

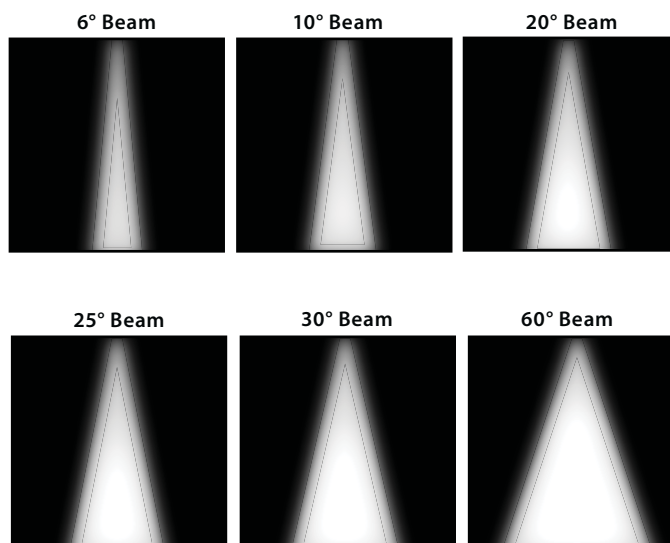
- Driver ..... Constant Current
- Start Method ..... InstantON
- Hot Re-start ..... InstantON
- Power Supply ..... 350mA
- Driver UL Rating ..... Class 1
- Driver UL Outdoor Rated ..... Wet Location
- Sound Rating ..... Class A
- ANSI Surge Protection ..... IEEE C62.41 C High
- Driver Off-State Draw ..... 0 Watts
- Universal Input Line Voltage ..... 120-277 VAC
- Input Line Frequency ..... 50/60 Hz
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80
- Beam Angle ..... 6°/10°/20°/25°/30°/60°
- 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
- Housing IP Rating ..... IP65
- Driver IP Rating ..... IP67
- Warranty ..... 5 Year

## MOUNTING OPTIONS

ADJUSTABLE  
YOKE BRACKET



## PHOTOMETRICS (See Complete IES File)

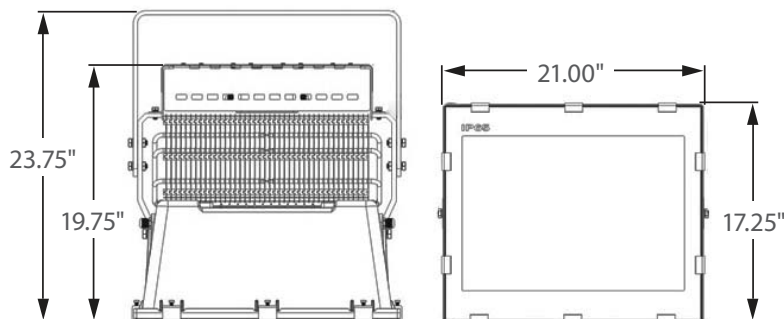


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Spec. Rev. 5-2015

### REPLACEMENT FOR 2000W HID



Incredible **100,000 hrs**

### GENERAL DESCRIPTION

Neptun's LED Sports Lighter fixture features an architectural design and durability to be used in new construction or retrofit applications. The LED-SL61 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 2000 Watts.

### APPLICATION

- Sports Field Lighting
- Sports Arena Lighting
- Gymnasium Lighting
- High-Mast Lighting
- Yard Lighting
- Area & Storage Lighting

### STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing with cooling fins.
- Heat and impact resistant tempered glass lens with anti-glare diffuser.
- Continuous silicone gasket surrounds lens for IP65 weather - tight seal.
- Instant-On flicker-free Cold Start and Hot Re-Start.
- Bright white light (5000°K) for greater visibility and safety.
- LED engine design with Advanced Thermal Management.
- High power factor, low THD driver with 10kV Surge Protection.
- High Output LED's.
- Up to 15 year maintenance free operation.
- 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)
- **Optional:** 0-10V Dimming, Wi-Fi Control, Remote Monitoring and ON/ OFF Control

### ORDERING INFORMATION

Sample Number: LED-SL61-1000-UNV-0-10VDIM-850-B10-90-LD  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Beam Angle	Accessories
<b>LED-SL61</b> = Sports Lighter	<b>1000</b> = 1000W	<b>UNV</b> = 120-277 VAC	<b>0-10VDIM</b> = 0-10V Dimming * Contact Factory for dimming options.	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K * * Standard	<b>B10-90</b> = 10 x 90° <b>B50-90</b> = 50 x 90°	<b>LD</b> = Twist-Lock Photocell <b>C3*</b> = 3' Cord-No Plug (other lengths available by specifying cord length C6 = 6' cord) <b>PC3</b> = 3' Cord with NEMA Plug (verify plug type when ordering) * Standard



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## 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-SL61-1000-UNV	LED Sports Lighter	1000	1005	90,000	120-277	8.74 - 3.79	<20%	>0.90	60 lbs

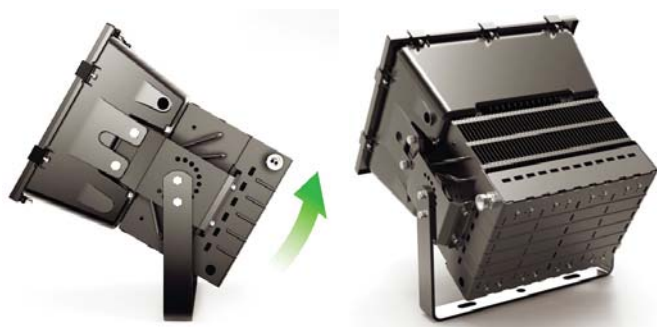
## SPECIFICATIONS

- 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
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- Color Temperature ..... 5,000°K

- Color Rendering Index (CRI) ..... > 80
- Beam Angle ..... 10/90° / 50/90°
- 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
- Housing IP Rating ..... IP65
- Driver IP Rating ..... IP67
- Warranty ..... 5 Year

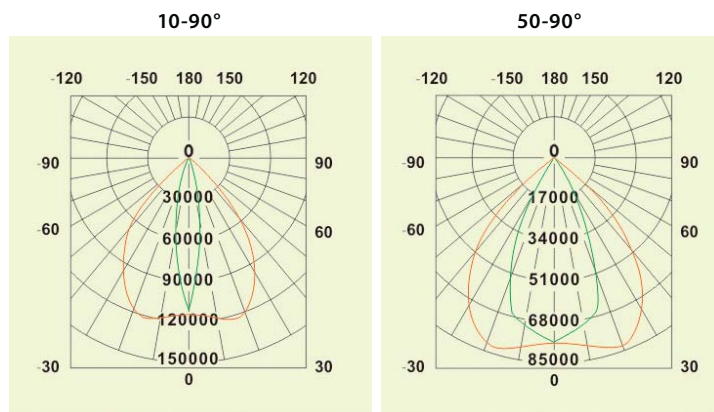
## MOUNTING OPTIONS

### ADJUSTABLE YOKE BRACKET



240° Adjustable Tilt

## PHOTOMETRICS (See Complete IES File)



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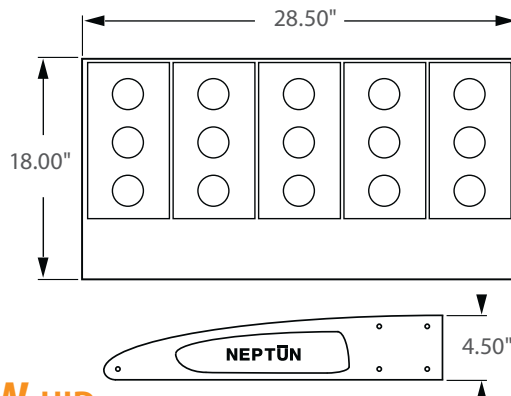
Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl)

**\*\* AVAILABLE \*\***

**Bi-Level 100%** **Dimming 50%**

**0 - 10V**  
FULL DIMMING

**Dark Sky**  
FRIENDLY



**REPLACEMENT FOR 1000W HID**

**Incredible 100,000 hrs**

## GENERAL DESCRIPTION

Neptun's modular LED parking lot fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The LED-31 series fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. The High output LED's and custom engineered optics provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 1000W

## APPLICATION

- Parking Lot Lighting
- Street Lighting
- Walkway Lighting
- Area Lighting
- Security Lighting
- Storage Area Lighting

## STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Corrosion resistant electrocoat grey finish (custom colors available).
- Slim, state of the art, low profile design for minimum wind load resistance.
- Continuous silicone gasket surrounds lens for weather tight seal.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High Output COB LED's.
- 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-31400-M5-UNV-0-10VDIM-SF-850-LD-T3-GRY  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Mounting	CCT	Accessories	Optics	Color
<b>LED-31</b> = Area / Parking Fixture	<b>400-M5</b> = 400 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC	<b>0-10VDIM</b> = 0-10V Dimming <b>BL-DIM</b> = Bi-Level Dimming * * Includes Motion Sensor	<b>SA6</b> = 6" Side Arm <b>SA6R</b> = 6" Side Arm (round pole adapter) <b>WM0</b> = 0" Wall Mount <b>WM6</b> = 6" Wall Mount <b>SF</b> = Slip Fitter <b>YK</b> = Yoke Bracket * See Pg. 2 for mounting options	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K * * Standard	<b>LD</b> = Twistlock Photocell <b>MD</b> = Motion Sensor ON/OFF <b>LGN</b> = Light Genie Node ** ** Contact factory for product information	<b>T3</b> = Type 3 <b>T5</b> = Type 5	<b>GRY</b> = Grey <b>BRZ</b> = Bronze * Custom Colors Available



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## 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-31400-M5-UNV	Area/Parking Fixture	400	405	40,000	120-277	4.08 - 1.51	<20%	>0.90	50 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.

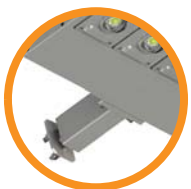
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80
- Minimum Starting Temperature ..... -40°C
- Maximum Starting Temperature ..... +50°C
- Lumens per Watt ..... > 100
- Shock / Vibration Resistant ..... Yes
- Power Factor ..... > 0.90
- Total Harmonic Distortion ..... < 20%
- Inrush Current Peak ..... < 10 Amp
- FCC Compliance ..... Part 15, Subp. C
- EPA Rating ..... 0.71 ft.<sup>2</sup>
- Housing IP Rating ..... IP65
- Driver IP Rating ..... IP67
- Optics IP Rating ..... IP68
- Warranty ..... 10 Year

## MOUNTING CONFIGURATION

Wall Mount  
(WM6)



Arm Mount Single  
(SA6)



Slip Fitter Mount  
(SF)

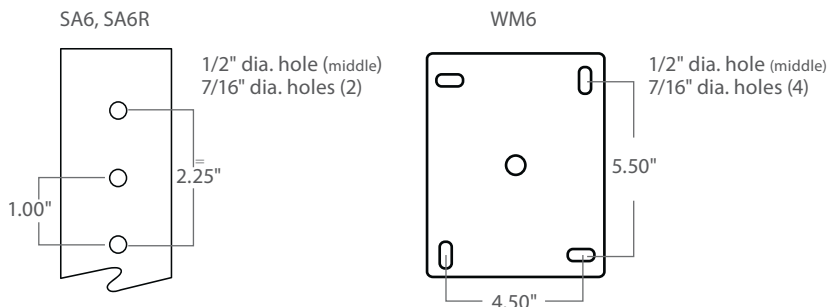


Yoke Mount  
(YK)

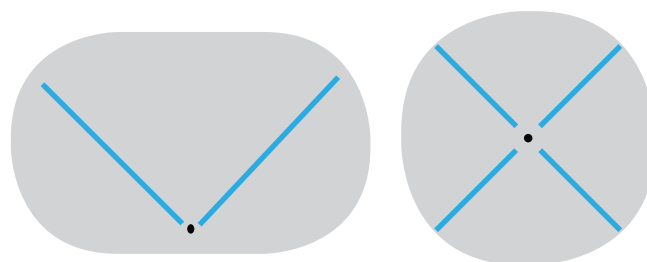


2-1/2" I.D. Accepts up to  
2-3/8" Tenon or Pipe

## DRILLING PATTERNS



## PHOTOMETRICS (See Complete IES File)



Type 3 Distribution

Type 5 Distribution

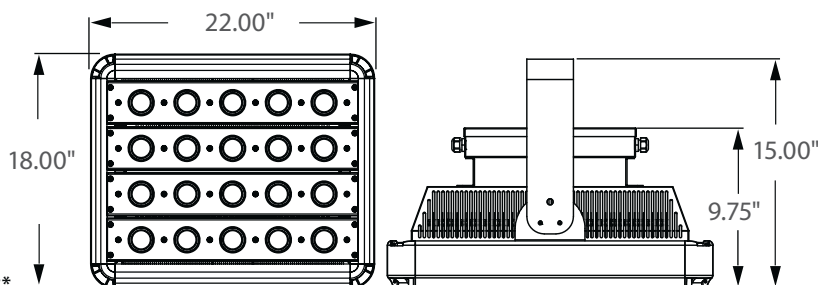
Neptun Light, Inc.  
13950 Business Center Drive  
Lake Forest, IL 60045  
Fax: 847.735.8004

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Spec. Rev. 5-2015



**REPLACEMENT FOR 1000W HID**



\*\* AVAILABLE \*\*

Bi-Level Dimming  
100% 50%

0 - 10V  
FULL DIMMING

**Incredible 100,000 hrs**

## GENERAL DESCRIPTION

Neptun's High Power LED High-Bay fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The COB lensed optics with various beam spread options allow for use in very high ceiling applications. It can replace existing HID & HPS fixtures up to 1000W.

## APPLICATION

- Warehouse Lighting
- Factory Lighting
- Convention Center Lighting
- Retail Lighting
- Showroom Lighting
- Area & Storage Lighting
- Gymnasium Lighting

## STRUCTURE, MATERIALS, & FEATURES

- Die cast aluminum housing with internal finned construction.
- Corrosion resistant electrocoat white finish (custom colors available).
- Various mounting options: Hook, Pendant, and Surface.
- High Output COB LED's with sealed optics (IP68 rated).
- 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.
- 10 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-54480-M4-UNV-0-10VDIM-850-B45-MD-C3-HK  
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Beam	Accessories	Options
<b>LED-54</b> = LED Low Profile High-Bay	<b>260-M4</b> = 260 W <b>320-M4</b> = 320 W <b>480-M4</b> = 480 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC	<b>0-10VDIM</b> = 0-10V Dimming <b>BL-DIM</b> = Bi-Level Dimming* * Includes Motions Sensor ** Contact Factory for dimming options	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K* * Standard	<b>B45</b> = 45° Beam <b>B60</b> = 60° Beam <b>B90</b> = 90° Beam <b>B120</b> = 120° Beam	<b>MD</b> = Motion Sensor ON/OFF <b>DLH</b> = Day Light Harvesting (offered with 0-10V Dimming)* * Ask factory for complete ordering information.	<b>C3*</b> = 3' Cord-No Plug (other lengths available by specifying cord length C6 = 6' cord) <b>PC3</b> = 3' Cord with NEMA Plug (verify plug type when ordering) <b>HK</b> = Hook Mount <b>PDM</b> = Pendant Mount * Standard



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### 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-54260-M4-UNV	LED High Bay Fixture	260	263	27,000	120-277	2.27 - 0.98	<20%	>0.90	50 lbs
LED-54320-M4-UNV	LED High Bay Fixture	320	323	32,000	120-277	2.79 - 1.21	<20%	>0.90	50 lbs
LED-54480-M4-UNV	LED High Bay Fixture	480	483	48,000	120-277	4.20 - 1.82	<20%	>0.90	50 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
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80
- Beam Angle ..... 45°/60°/90°/120°
- 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
- Housing IP Rating ..... IP43
- Optics IP Rating ..... IP68
- Driver IP Rating ..... IP67
- Warranty ..... 10 Year

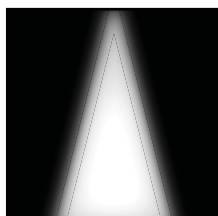
### LENS DESIGN



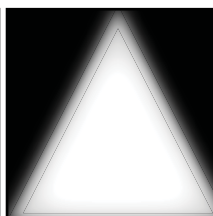
#### COB Glass Lens Optics:

- Offered in 4 beam spread options to adapt to specific mounting heights.
- No yellowing or aging of lens.

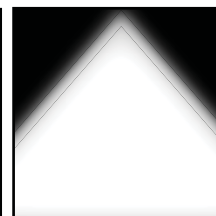
45° Beam



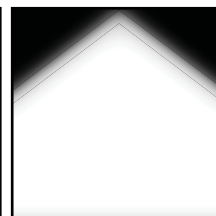
60° Beam



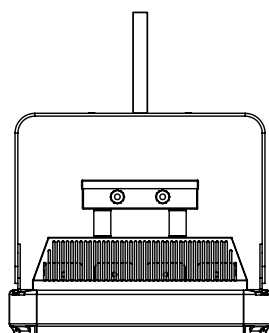
90° Beam



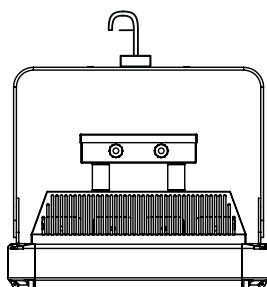
120° Beam



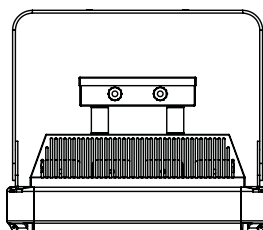
### MOUNTING OPTIONS



Pendant Mount  
(pendant not included)

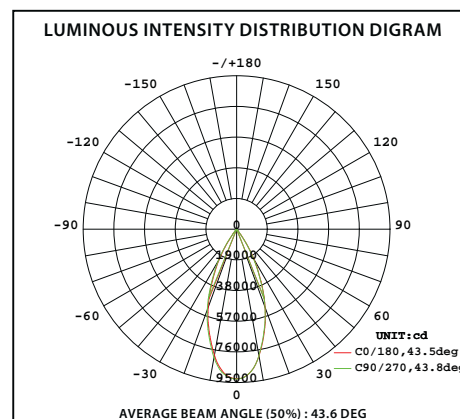


Hook Mount



Surface Mount

### PHOTOMETRICS (See Complete IES File)



Neptun Light, Inc.  
13950 Business Center Drive  
Lake Forest, IL 60045  
Fax: 847.735.8004

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Spec. Rev. 5-2015



**REPLACEMENT FOR 1000W HID**



Please check latest update for complete information.  
[http://www.designlights.org/solidstate.about.QualifiedProductsList\\_Publicv2.php](http://www.designlights.org/solidstate.about.QualifiedProductsList_Publicv2.php)

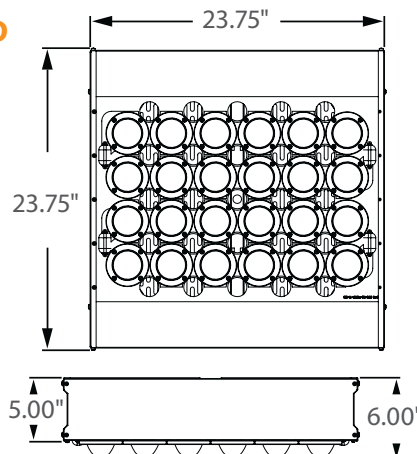


**\*\* AVAILABLE \*\***

**Bi-Level 100%** **Dimming 50%**

**0 - 10V**

**FULL DIMMING**



**Incredible 100,000 hrs**

## GENERAL DESCRIPTION

Neptun's High Power LED High-Bay fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The COB lensed optics with various beam spread options allow for use in very high ceiling applications. It can replace existing HID & HPS fixtures up to 1000W.

## APPLICATION

- Warehouse Lighting
- Factory Lighting
- Convention Center Lighting
- Retail Lighting
- Showroom Lighting
- Area & Storage Lighting
- Gymnasium Lighting

## STRUCTURE, MATERIALS, & FEATURES

- Die cast aluminum housing with internal finned construction.
- Corrosion resistant electrocoat white finish (custom colors available).
- High Output COB LED's with sealed optics (IP68 rated).
- 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.
- 10 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-LP15-480-UNV-BL-DIM-850-B45-MD-C3  
 Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Beam	Accessories	Options
<b>LED-LP15</b> = LED Low Profile High-Bay	<b>260</b> = 260 W <b>320</b> = 320 W <b>480</b> = 480 W	<b>UNV</b> = 120-277 VAC <b>347V</b> = 347 VAC <b>480V</b> = 480 VAC	<b>0-10VDIM</b> = 0-10V Dimming <b>BL-DIM</b> = Bi-Level Dimming* * Includes Motions Sensor ** Contact Factory for dimming options	<b>835</b> = 3500°K <b>841</b> = 4100°K <b>850</b> = 5000°K * * Standard	<b>B45</b> = 45° Beam <b>B60</b> = 60° Beam <b>B90</b> = 90° Beam <b>B120</b> = 120° Beam	<b>MD</b> = Motion Sensor ON/OFF <b>DLH</b> = Day Light Harvesting (offered with 0-10V Dimming)* * Ask factory for complete ordering information.	<b>C3*</b> = 3' Cord-No Plug (other lengths available by specifying cord length C6 = 6' cord) <b>PC3</b> = 3' Cord with NEMA Plug (verify plug type when ordering) <b>HK</b> = Hook Mount <b>PDM</b> = Pendant Mount * Standard



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### 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-LP15-260-UNV	LED High Bay Fixture	260	263	27,089	120-277	2.27 - 0.98	<20%	>0.90	50 lbs
LED-LP15-320-UNV	LED High Bay Fixture	320	323	32,000	120-277	2.79 - 1.21	<20%	>0.90	50 lbs
LED-LP15-480-UNV	LED High Bay Fixture	480	483	48,000	120-277	4.20 - 1.82	<20%	>0.90	50 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
- Projected (L70) @ 25°C ..... > 100,000 hrs.
- Color Temperature ..... 5,000°K
- Color Rendering Index (CRI) ..... > 80
- Beam Angle ..... 45°/60°/90°/120°
- 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
- Housing IP Rating ..... IP43
- Optics IP Rating ..... IP68
- Driver IP Rating ..... IP67
- Warranty ..... 10 Year

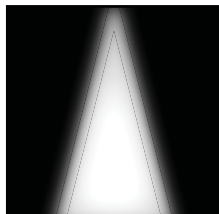
### LENS DESIGN



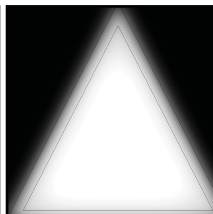
#### COB Glass Lens Optics:

- Offered in 4 beam spread options to adapt to specific mounting heights.
- No yellowing or aging of lens.

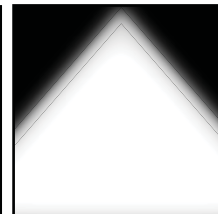
45° Beam



60° Beam



90° Beam

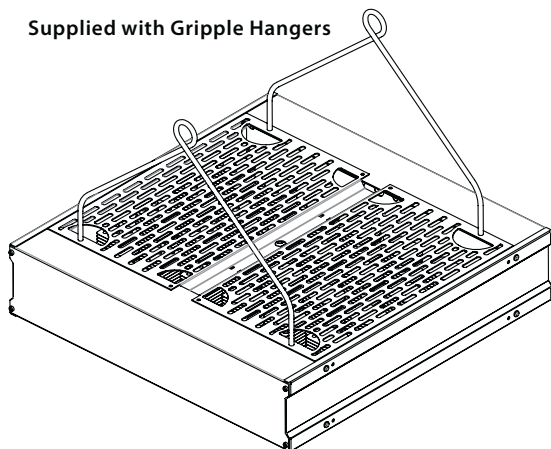


120° Beam

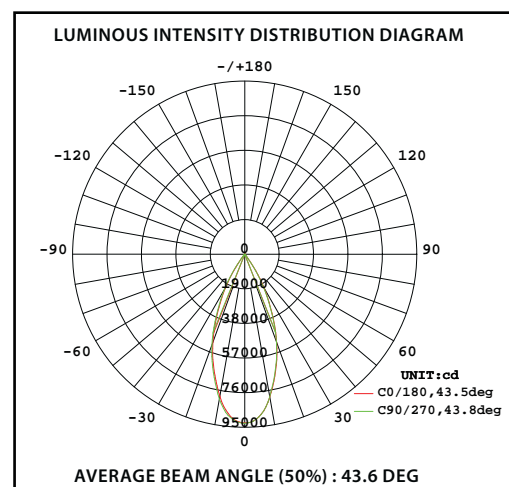


### MOUNTING OPTIONS

Supplied with Gripple Hangers



### PHOTOMETRICS (See Complete IES File)



Neptun Light, Inc.  
13950 Business Center Drive  
Lake Forest, IL 60045  
Fax: 847.735.8004

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Spec. Rev. 5-2015



## LED Lighting Limited Warranty

NEPTUN Light, Inc ("NEPTUN"), 13950 Business Center Dr, Lake Forest, IL 60045 warrants that its LED (Light Emitting Diodes) light bulbs and LED lighting systems will be free from defect in material and workmanship from the date of installation for **5 years**

This warranty is conditioned upon proper storage, installation, use and maintenance. This warranty is not applicable to any Neptun LED lighting products which are not installed and operated in accordance with the current edition of the National Electric Code (NEC), the Standards for Safety of Underwriter's Laboratories, INC (UL), the Standards of the American National Standards Institute (ANSI), and with NEPTUN's instructions and guidelines for LED bulb and LED lighting systems. This warranty is not applicable to any Neptun LED lighting products subjected to abnormal stresses and operating conditions.

NEPTUN shall correct any defects, at NEPTUN's option, by either repairing any defective part or parts or by replacing any defective part or parts or by making available a new replacement part at no charge.

The conditions of any test concerning any Neptun LED products which are claimed to have not performed to the warranty shall be mutually agreed upon in writing and NEPTUN shall be notified of, and may be represented at any such tests. This express limited warranty is extended by NEPTUN only to original or first end-user purchaser.

This warranty is valid only if registered by end-user, purchaser, upon receipt by NEPTUN of the WARRANTY REGISTRATION FORM with specific information about the LED light bulb and LED lighting system installation. Product Warranty only valid once invoice is paid in full according to terms.

**NO IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY BEYOND THE AFOREMENTIONED WARRANTY PERIOD.** The foregoing warranty is exclusive of all other statutory, written or oral warranties, and no other warranties of any kind, statutory or otherwise, are given or herein expressed. This warranty sets forth NEPTUN's responsibilities regarding the Neptun LED lighting systems and claimant's exclusive remedy.

**LIMITATION OF LIABILITY.** NEPTUN will not under any circumstances whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise be liable for consequential, incidental, special or exemplary damages including but not limited to, loss of profits or revenues, loss of use of Neptun LED products or any other goods or associated equipment or damage to any associated equipment, cost of capital, cost of substitute products, facilities of services, down time cost, or claims of claimant's customers.

NEPTUN's liability or any claim of any kind for any loss or damages arising out of, resulting from or concerning any aspect of this agreement or from the product or services furnished hereunder shall not exceed the price of the specific LED product which gives rise to the claim.

This warranty gives the claimant specific legal rights. The claimant may also have other rights which vary from state to state.

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**NOTE:** For more information please call Customer Service at 1-888-735-8330 or email: [orders@neptunlight.com](mailto:orders@neptunlight.com)

Revision Date: February, 2015



## LED Lighting Limited Warranty

NEPTUN Light, Inc ("NEPTUN"), 13950 Business Center Dr., Lake Forest, IL 60045 warrants that its LED (Light Emitting Diodes) Fixtures utilizing COB (Chip on Board) technology with Glass Lens design will be free from defect in material and workmanship from the date of installation for **10 years**.

This warranty is conditioned upon proper storage, installation, use and maintenance. This warranty is not applicable to any Neptun LED COB lighting products which are not installed and operated in accordance with the current edition of the National Electrical Code (NEC), the Standards for Safety of Underwriters' Laboratories, INC. (UL), the Standards of the American National Standards Institute (ANSI), and with NEPTUN's instruction and guidelines for the LED COB lighting systems. This warranty is not applicable to any Neptun LED COB lighting products subjected to abnormal stresses and operating conditions

NEPTUN shall correct any defects, at NEPTUN's option, by either repairing any defective part or parts or by replacing any defective part or parts or by making available a new replacement part at no charge.

The conditions of any tests concerning any NEPTUN LED COB products which are claimed to have not performed to this warranty shall be mutually agreed upon in writing and NEPTUN shall be notified of, and may be represented at any such tests. This express limited warranty is extended by NEPTUN only to be the original or first end-user purchaser.

This warranty is valid only if registered by end-user, purchaser, upon receipt by NEPTUN of the WARRANTY REGISTRATION FORM with specific information about the LED COB lighting system installation. Product Warranty only valid once invoice is paid in full according to terms.

**NO IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY BEYOND THE AFOREMENTIONED WARRANTY PERIOD.** The foregoing warranty is exclusive of all other statutory, written or oral warranties, and no other warranties of any kind, statutory or otherwise, are given or herein expressed. This warranty sets forth NEPTUN's responsibilities regarding the Neptun LED COB lighting system and claimant's exclusive remedy.

**LIMITATION OF LIABILITY.** NEPTUN will not under any circumstances whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise be liable for consequential, incidental, special or exemplary damages including but not limited to, loss of profits or revenues, loss of use of NEPTUN LED COB products or any other goods or associated equipment or damage to any associated equipment, cost of capital, cost of substitute products, facilities of services, down time cost, or claims or claimant's customers.

NEPTUN's liability on any claim of any kind for any loss or damages arising out of, resulting from or concerning any aspect of this agreement of from the product or services furnished hereunder shall not exceed the price of the specific LED COB product which gives rise to the claim.

This warranty gives the claimant specific legal rights. The claimant may also have other rights which vary from state to state.

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**NOTE:** For more information please call Customer Service at 1-888-735-8330 or email: [orders@neptunlight.com](mailto:orders@neptunlight.com)



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Neptun Light is a leader in the manufacture of energy efficient retrofit products and light fixtures in the fields of LED, Induction, and Solar technology. We boast a highly diversified product portfolio of indoor and outdoor products. Additionally, our products span a wide range of commercial, industrial, government, and utility infrastructure applications. Neptun Light achieves its level of success through timely development of new technology that caters to a constantly evolving marketplace. Among Neptun Light's core values are continuous innovation, high quality products, a focus on energy conservation, and an uncompromised commitment to customer service.

**Neptun Light, Inc.**  
13950 Business Center Dr.  
Lake Forest, Illinois 60045 USA  
Tel: (888) 735-8330  
Fax: (847) 735-8004  
[www.NeptunLight.com](http://www.NeptunLight.com)

