

# EDGE™ SERIES

## LED HIGH BAY For High Temp Application



IP66



3G / 5G  
Vibration



80C / 176F  
Operating Temp



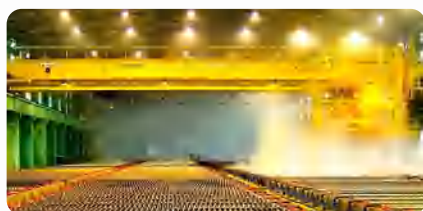
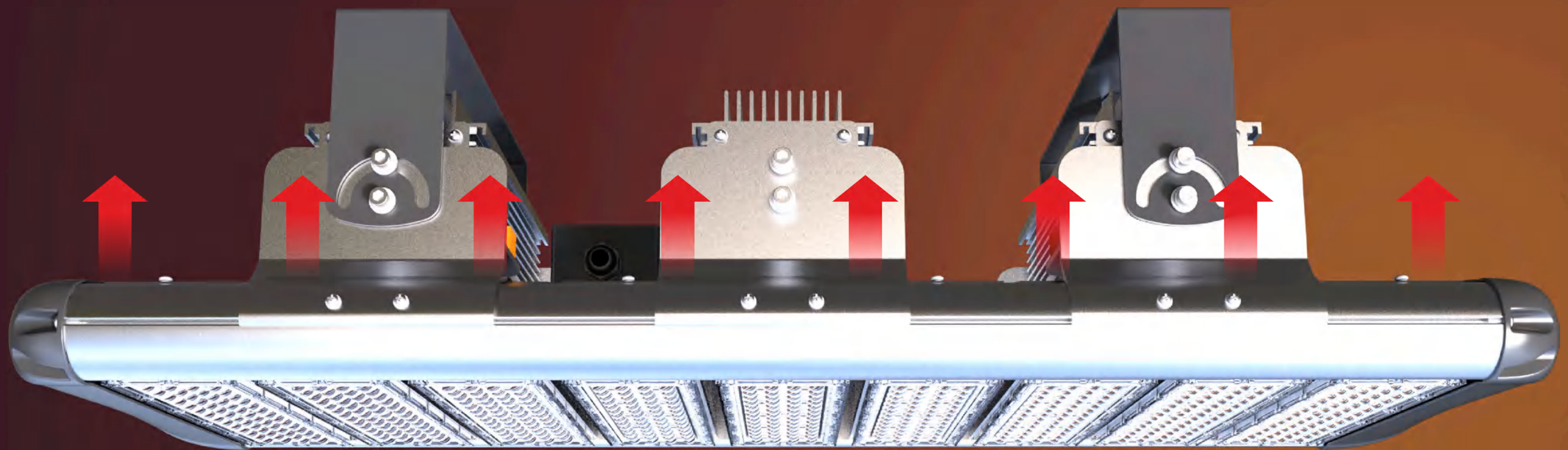
5 Years  
Warranty



IK10

**E-LITE** semicon





## ◆ High Temperature ◆ Heavy Duty



Designed for operation in an environment with ambient temperature up to 80°C/176°F. The low-profile, rugged Edge fixture is a worry-free, low maintenance lamp for maximum reliability, durability and shock, vibration and vandalism resistance, even in the harshest environment.



**Heavy Duty  
Industry**



**Chemical  
Industry**

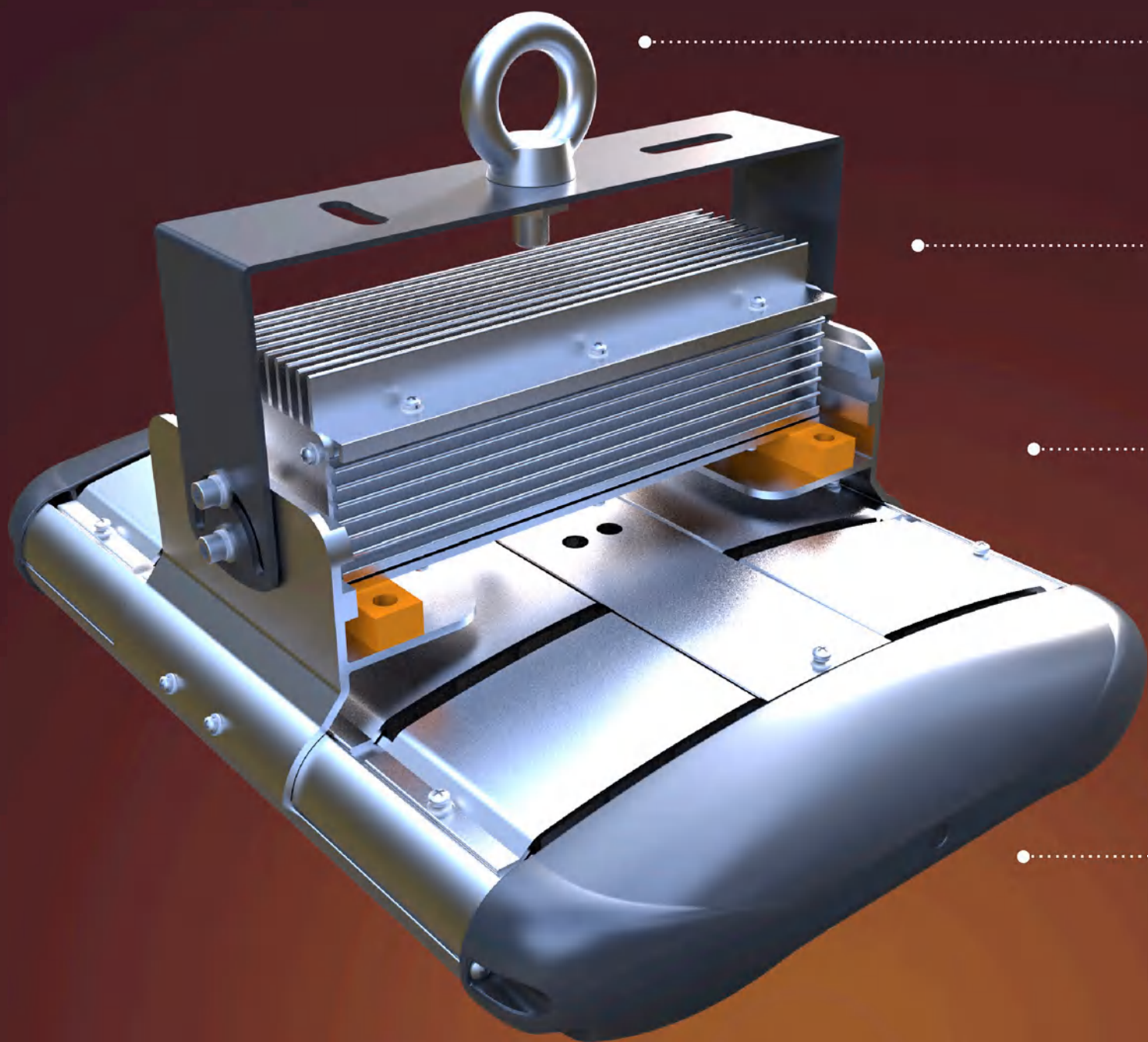


**Metal  
Treatment**



**Oil and Gas  
Industry**

Edge series high temperature LED High Bay sets the industry standard with energy efficiency and durability for the longest-lasting performance in high ambient temperature industrial applications including Manufacturing, Power Generation, Water and Wastewater, Pulp and Paper, Metals and Mining, Chemical and Petrochemical and Oil and Gas.



## PRODUCT FEATURES



Excellent thermal management system ensures stable operation at 80°C ambient temp.



Long lasting performance L70>100,000 hours.



IP66 for wet location & IK10 impact resistant for the harshest environment.



3G or 5G vibration rated for the most challenging applications.



Hanging ring or universal bracket for any types of installation, both indoor and outdoor.



15 types of optic lens at choice.

**E-LITE** semicon



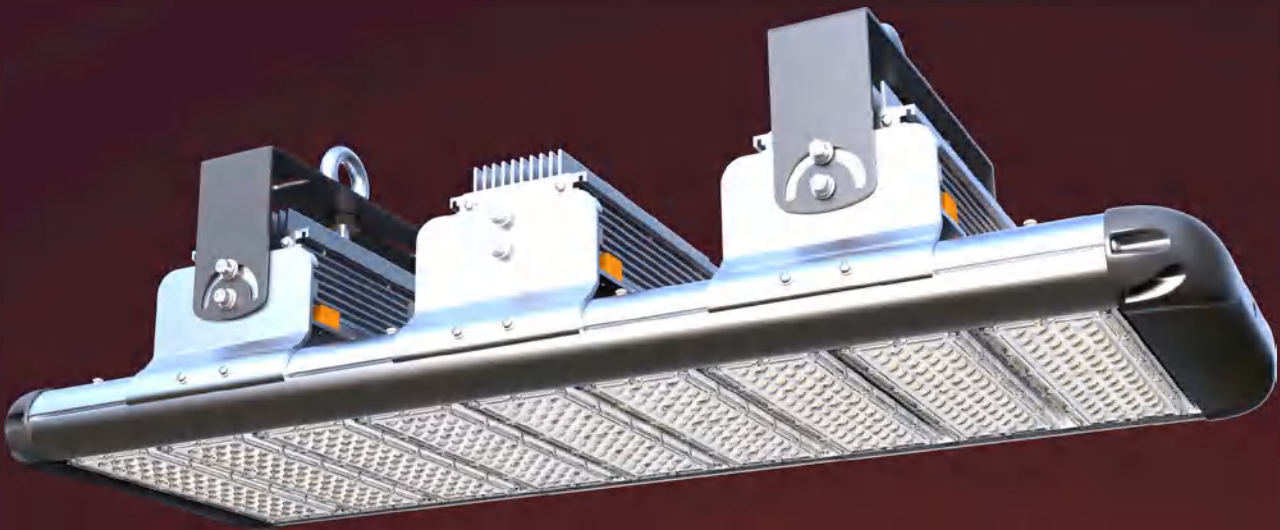


# PERFORMANCE

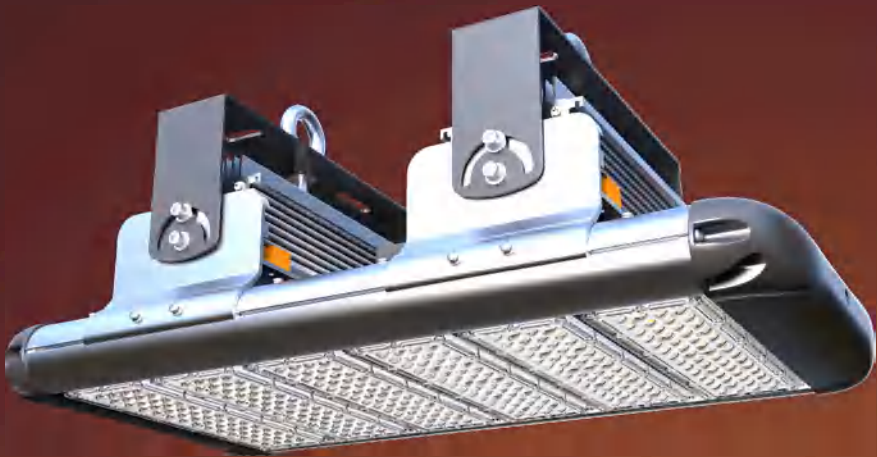
|                |  |
|----------------|--|
| LED Chip & CRI | Philips Lumileds / RA>70   |
| Input Voltage  | 100-277VAC /200-480 VAC  |
| CCT            | 4500~5500K (2500~5500K Optional)   |
| Beam Angle     | 20°/30°/50°/90°/110°/150°/30x100°/60x100°<br>130x70°/70x135°/75x145°/60x150°/73x133° |
| IP & IK        | IP66 / IK10  |
| Driver Brand   | Meanwell-HLG / Meanwell-HVG  |
| Power Factor   | 0.95 minimum   |
| THD            | 20%Max   |
| Housing        | Aluminum Alloy   |
| Work Temp      | -40 to 80°C (-40 to 176°F)   |
| Mount Option   | Standard U Bracket(Hang Ring)  |
| Warranty       | 5 Years Warranty   |



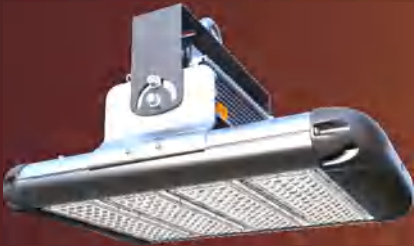




9 Modules ~ 450W



6 Modules ~ 300W



4 Modules ~ 200W



3 Modules ~ 150W



2 Modules ~ 100W



1 Module ~ 50W

# SPECIFICATIONS

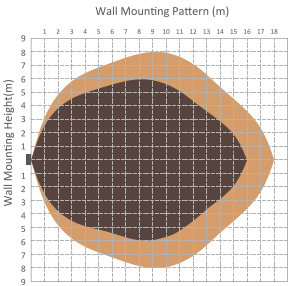
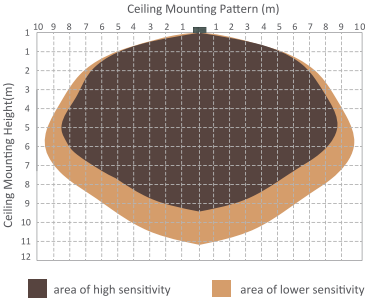
| Model         | Power | Efficacy(IES) | Total Lumen | Dimension     | Net Weight     |
|---------------|-------|---------------|-------------|---------------|----------------|
| EO-ED-50HT80  | 50W   | 140LPW        | 7,000lm     | 273x366x245mm | 5.2kg/11.5lbs  |
| EO-ED-100HT80 | 100W  | 140LPW        | 14,000lm    | 308x366x245mm | 7.8kg/17.2lbs  |
| EO-ED-150HT80 | 150W  | 140LPW        | 21,000lm    | 402x366x245mm | 9.3kg/20.5lbs  |
| EO-ED-200HT80 | 200W  | 140LPW        | 28,000lm    | 496x366x245mm | 10.7kg/23.6lbs |
| EO-ED-300HT80 | 300W  | 140LPW        | 42,000lm    | 684x366x245mm | 16.5kg/36.4lbs |
| EO-ED-450HT80 | 450W  | 140LPW        | 63,000lm    | 966x366x245mm | 28.0kg/61.7lbs |

Microwave Sensor & Dimmer Option



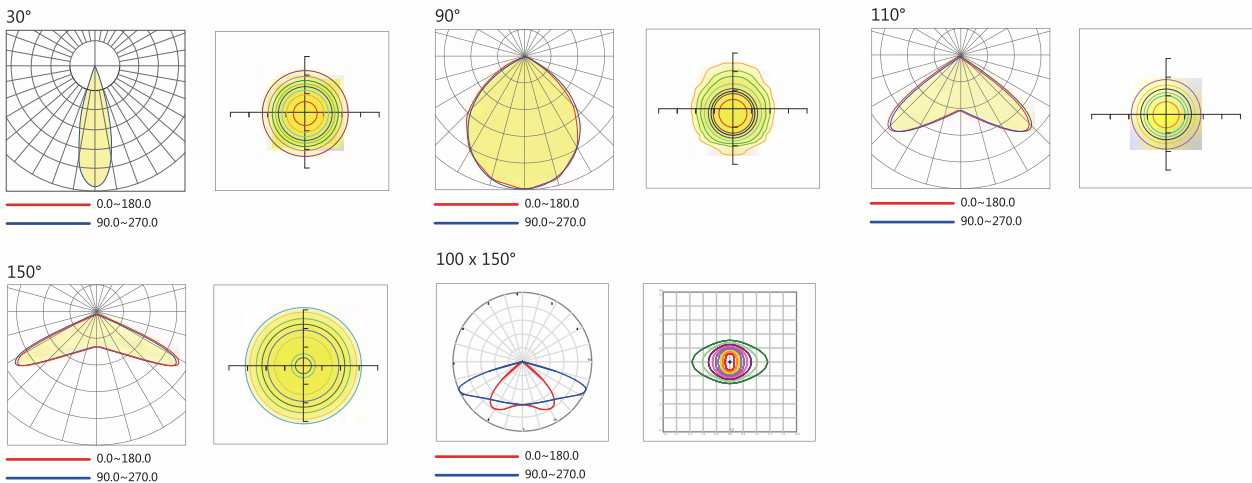
| Technical Data        |   |                     |                           |
|-----------------------|---|---------------------|---------------------------|
| Operating voltage     | 120-277V  | Standby power       | approx. 0.5W              |
| Switched power        | Max.capacitive load: 800W @277V, 400W@120V            | Warm time           | 20s                       |
| Detection area        | 10/50/75/100%, can be customized                      | Sensor principle    | Microwave motion detector |
| Hold time             | 5S/30S/1min/5min/10min/20min/30min, can be customized | Microwave frequency | 5.8GHz+/-75MHz            |
| Standby period        | 0s/10s/1min/5min/10min/30min/1h/+∞can be customized   | Microwave power     | <0.2mw                    |
| Standby dimming level | 10%/20%/30%/50% can be customized                     | Detection range     | Max. (φxH):18m x 10m      |
| Daylight threshold    | 2~50lux daylight/twilight/darkness, can be customized | Detection angle     | 30° ~ 150°                |
| Operating temperature | -35°C ~ +70°C   | Mounting height     | Max.10m                   |
| IP rating             | IP20, IP65(mounting in Hytronik special box)          | Certificate         | ETL, FCC                  |

Detection Pattern

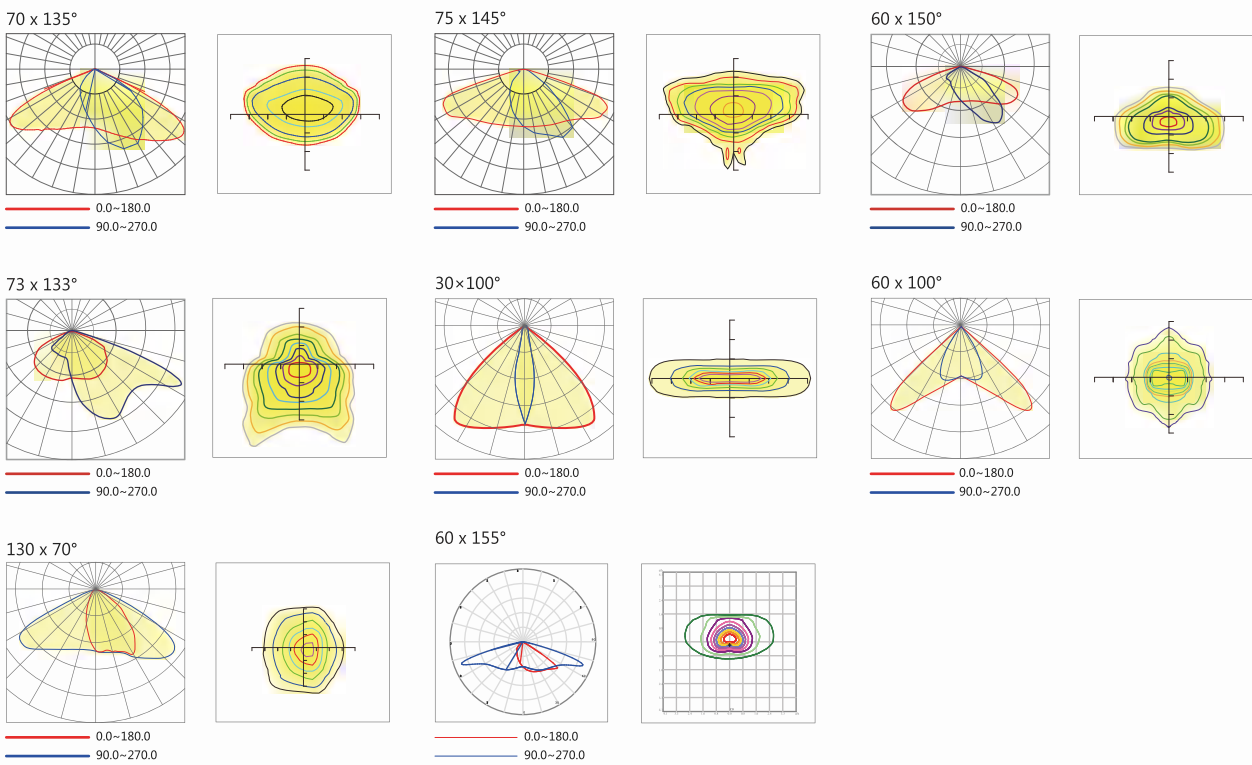


# PHOTOMETRICS

## Round Light Spot



## Rectangular Light Spot





# INSTALLATION

For high performance and long term reliability, the light should be installed in free air.

## Hanging Ring Mount

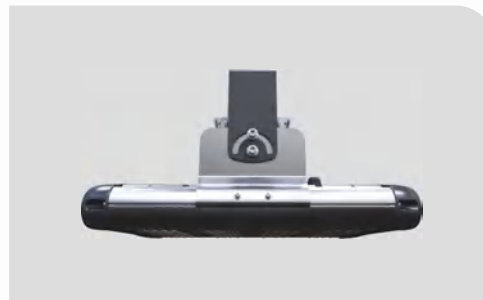
1. Tighten the NUT attached to the hanging ring to ensure the hanging ring is securely connected to the light fixture.
2. Hang the ring to the field supplied by the mounting hook or chain.
3. Wiring.(Connect supply wires to luminaire wire leads per the wiring diagram using methods that comply with all applicable codes.)

## Universal Bracket

1. Rotate the bracket to the desired angle and tighten screw to lock it.
2. Bolt the universal mounting bracket to the field mounting point. Bolt the center point before the two side points. Tighten the bolts to wrench tight.
3. Wiring.(Connect supply wires to luminaire wire leads per the wiring diagram using methods that comply with all applicable codes.)



Hanging Ring



180° U Bracket



360° Heavy Duty U Bracket



360° Heavy Duty U Bracket + Slip Fitter



# ORDERING INFORMATION

**E-LITE** semicon

| EO               | ED | XXHT80  | HB            | 01                                 | 04                    | 06  | 32   | 01             | 02                                     | 03   | 01   | 01                     | 21                         | 04        | 04   |
|------------------|----|---|---------------|------------------------------------|-----------------------|---|--|----------------|--|--|--|------------------------|----------------------------|-----------|--|
|                  |    | Power   | Luminaire     | Dimmability                        | LEDs                  | CCT   | Opticals   | Driver         | Input Voltage                          | Power Cable  | Sensor   | Emergency Power Backup | Mounting                   | IP Rating | Fixture Color  |
| ED - Edge Series |    | 01 - 50W<br>02 - 100W<br>03 - 150W<br>04 - 200W<br>05 - 300W<br>06 - 450W | HB - High Bay | 01 - Non Dimmable<br>02 - Dimmable | 04 - Philips Lumileds | 02 - 2500-3500K<br>03 - 3000-4000K<br>04 - 3500-4500K<br>05 - 4000-5000K<br>06 - 4500-5500K | 07 - 30°×100°<br>08 - 60°×100°<br>11 - 90°<br>12 - 110°<br>13 - 150°<br>32 - 70°×135°<br>33 - 75°×145°<br>34 - 60°×150°<br>35 - 73°×133°<br>40 - 30°<br>43 - 130°×70°<br>53 - 60°×155°<br>54 - 100°×150° | 01 - Mean Well | 02 - AC 100-277 V<br>03 - AC 200-480 V | 01-0.5m Australian Standard Power Cord<br>02-0.5m European Standard Power Cord<br>03-0.5m American Standard Power Cord | 01 - No<br>02 - Microwave<br>03 - Photocell<br>04 - Remote Control | 01 - None              | 21- U Bracket+Hanging Ring | 04 - IP66 | 01-RAL9017 Black<br>04-RAL7045 Gray<br>06-RAL8019 Bronze |