

# EHBD eBEAM LED HIGH BAY

**LED** A DIVISION OF  
**ecopower**



## FEATURES

- Waterproof, Compact Size, No Lampshade Required
- Fewer Components, Labour Saving Maintenance
- Anti-Corrosion Heat Sink
- Efficient Heat Dissipation
- 1-10v Dimmable Standard

## OPTIONS

- Inline UL listed IP65 Disconnect
- Mounting, High Voltage and Colour Options
- Anti-corrosion Coating Suitable for Natatorium and Corrosive Environments
- Lens Type, Beam Angles, Reflector, Microwave Sensor

Exceptional efficacy and aesthetics combined with dimming and wireless capabilities make this one of our best selling LED highbays. 130-140 L/W with virtually no light loss in the first 50,000hrs makes this an excellent replacement for 250-1000w metal halides. 300w 42,000L replaces 1000w metal halides. Standard 1-10v dimmable, down to 10% output. With a variety of beam angle and reflector options, the EHBD makes an ideal, low-cost sports field lighting solution.

| EFFICACY    | WATTAGES                              | VOLTAGES                | KELVIN                |
|-------------|---------------------------------------|-------------------------|-----------------------|
| 130-140 L/W | 100w/150w/200w/240w<br>300w/400w/500w | 100-277vAC / 200-480vAC | 3000K / 4000K / 5000K |

| TECHNICAL SPECIFICATIONS |                                                                                                                                                                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing                  | Die-cast Aluminum                                                                                                                                                                                                                              |
| Finish                   | Black Standard; white, silver options (MOQ's may apply)<br>*See notes in product code generator regarding cord                                                                                                                                 |
| Ring Finish              | Black                                                                                                                                                                                                                                          |
| Mounting                 | <b>100-300w:</b> Hook standard // <b>400-500w:</b> Ceiling mount standard; Loop/Ring, KNSF, Yoke and Ceiling mount options                                                                                                                     |
| Lens Type                | Clear tempered glass cover; no lampshade                                                                                                                                                                                                       |
| Applications             | Manufacturing, warehousing, distribution, logistics, lobbies, airports and sports facilities. Can be mounted in any direction, ideal for uplighting in sports arenas, natatoriums (pools), inflatable sports domes, churches, large auditorium |

| ELECTRICAL SPECIFICATIONS |                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------|
| LED Type                  | Seoul                                                                                          |
| Available Wattages        | 100w, 150w, 200w, 240w, 300w, 400w & 500w                                                      |
| Power Factor              | >0.93                                                                                          |
| Surge Protection          | 4KV                                                                                            |
| Ambient temperature       | <b>100-300w:</b> -30° – +50°C   -22° – +122°F<br><b>400/500w:</b> -30° – +40°C   -22° – +104°F |
| Available Voltages        | 100-277vAC, 200-480vAC, Comes standard with a 75" cord attached                                |

| OPTICAL & PERFORMANCE SPECIFICATIONS |                                                                                                                                                                                                                                                                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Rating                            | IP65                                                                                                                                                                                                                                                                       |
| Lumen Output                         | <b>100-277V:</b> 100w: 14,000L   150w: 21,000L   200w: 28,000L<br>240w: 31,200L   300w: 39,000L   400w: 52,000L<br>500w: 65,000L<br><b>200-480V:</b> 100w: 14,000L   150w: 21,000L   200w: 28,000L<br>240w: 33,600L   300w: 42,000L   400w: 56,000L<br>500w: 70,000L       |
| UGR                                  | <25 (with lens)                                                                                                                                                                                                                                                            |
| CRI                                  | >80Ra                                                                                                                                                                                                                                                                      |
| THD                                  | <15%                                                                                                                                                                                                                                                                       |
| Beam Angles                          | 120° standard with no reflector options available                                                                                                                                                                                                                          |
| Sensor Mount Height                  | ≤ 14m   ≤ 45.9'                                                                                                                                                                                                                                                            |
| Dimming                              | 1-10vDC dimming standard, down to 10% output                                                                                                                                                                                                                               |
| L70                                  | >100,000 hours @ 25°C                                                                                                                                                                                                                                                      |
| NEMA                                 | 4x                                                                                                                                                                                                                                                                         |
| Certifications                       | Approved to CSA and UL standards (UL, or equivalent, marked only when specified), CE & ROHS, DLC listed. Not all product variations listed are DLC qualified. Visit <a href="http://www.designlights.org/search">www.designlights.org/search</a> to confirm qualification. |



**CONTROLS**



## SEISMIC PACKAGE AVAILABLE

Seismic package available for select Ecopower light fixtures. For further info and pricing, please contact [sales@ecopowerinc.com](mailto:sales@ecopowerinc.com).



[info@ecopowerinc.com](mailto:info@ecopowerinc.com) | [led.ecopowerinc.com](http://led.ecopowerinc.com) | 1.800.564.8086



A North American  
Fabricator

**AVAILABLE MODELS** Quantities subject to change. Please contact [sales@ecopowerinc.com](mailto:sales@ecopowerinc.com) to verify inventory before ordering.

|                                      |     |                                  |     |
|--------------------------------------|-----|----------------------------------|-----|
| EHBD100WCWV4-B01                     | 11  | EHBD200WNWV4-CLNG-SL             | 17  |
| EHBD100WCWV4L2                       | 9   | EHBD200WNWV4-CRD(10)-L2          | 15  |
| EHBD100WCWV4-WH                      | 5   | EHBD200WNWV5                     | 25  |
| EHBD100WCWV5                         | 423 | EHBD200WWWV4                     | 5   |
| EHBD100WNWV4                         | 16  | EHBD240WCWV4                     | 159 |
| EHBD100WNWV4-B12                     | 50  | EHBD240WCWV4-CRD(10)-TWPLG       | 36  |
| EHBD100WNWV4-CRD(2METER)-DIM(2METER) | 75  | EHBD300WCWV4                     | 239 |
| EHBD100WNWV4-CRD15FT-B002-B05        | 10  | EHBD300WCWV4-CLNG                | 2   |
| EHBD100WNWV5                         | 15  | EHBD300WCWV5-L2                  | 2   |
| EHBD120WNWV4                         | 1   | EHBD300WNWV4                     | 16  |
| EHBD150WCWV4-CRD6FT-B12              | 1   | EHBD300WNWV4-CRD12               | 22  |
| EHBD150WCWV4-WH                      | 2   | EHBD300WNWV4-L2G-CORD6FT-HOOK    | 12  |
| EHBD150WCWV5                         | 136 | EHBD300WNWV5                     | 3   |
| EHBD150WNWV4-L1-CRD(12)-B05          | 25  | EHBD300WNWV5-CRD6                | 6   |
| EHBD150WNWV4-WH                      | 18  | EHBD300WNWV5-L2                  | 5   |
| EHBD150WNWV5                         | 302 | EHBD300WNWV5-L2-B12              | 60  |
| EHBD150WNWV5-CRD6                    | 6   | EHBD300WWWV4                     | 1   |
| EHBD150WWWV4                         | 2   | EHBD400WCWV4                     | 64  |
| EHBD200WCWV4                         | 13  | EHBD400WCWV4-L2                  | 1   |
| EHBD200WCWV4L2-CRD6FT-check the lens | 8   | EHBD400WNWV4                     | 2   |
| EHBD200WCWV4-WH                      | 18  | EHBD400WNWV4-L1-CRD(12)-CLNG-B05 | 2   |
| EHBD200WCWV5                         | 80  | EHBD500WCWV4                     | 40  |
| EHBD200WCWV5-CRD15                   | 2   | EHBD500WNWV4-YOKE-WH             | 3   |
| EHBD200WNWV4                         | 18  | EHBD500WNWV5-HOOK-CRD10FT        | 1   |

**CONSTRUCTION**



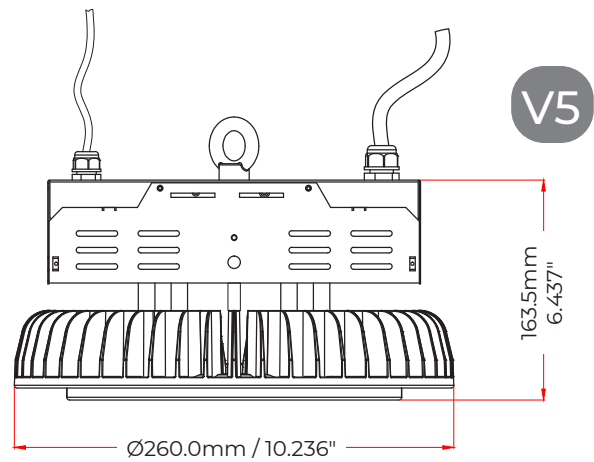
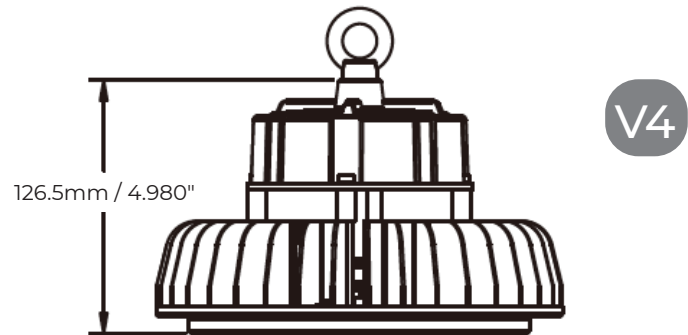
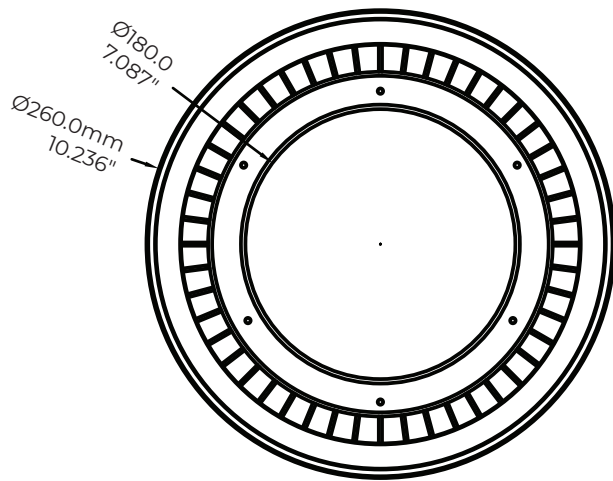
**PROPRIETARY TECHNOLOGY OPTION**  
**INLINE DISCONNECT**



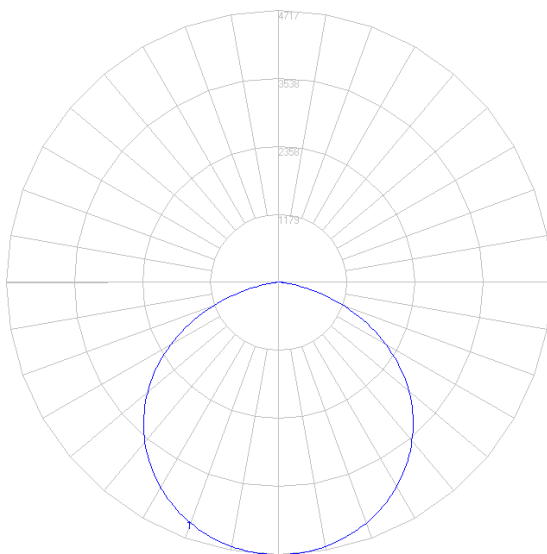
# 100W

## DIMENSIONS

WEIGHT: 4.5kg / 10 lb



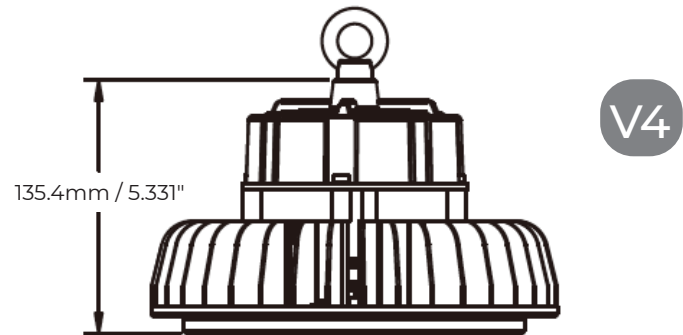
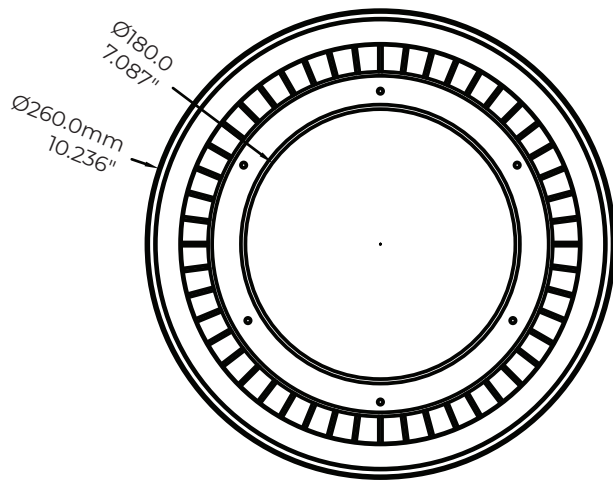
## PHOTOMETRICS



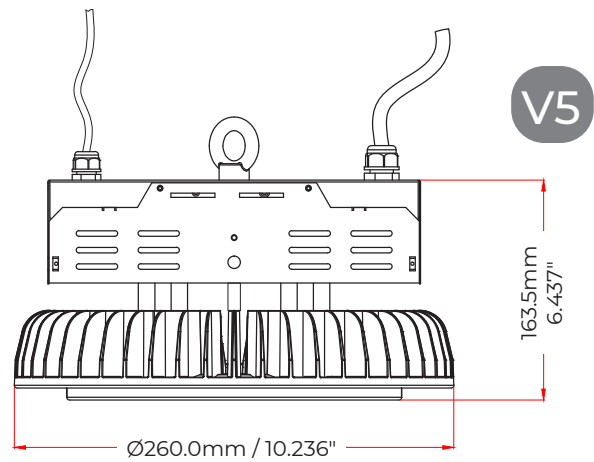
**150W**

**DIMENSIONS**

WEIGHT: 4.5kg / 10 lb

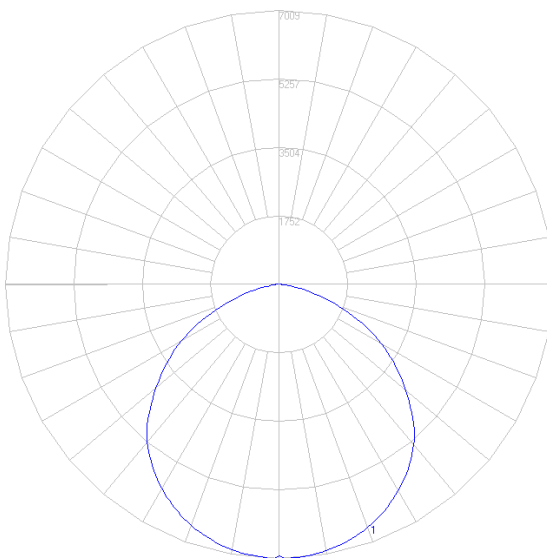


V4



V5

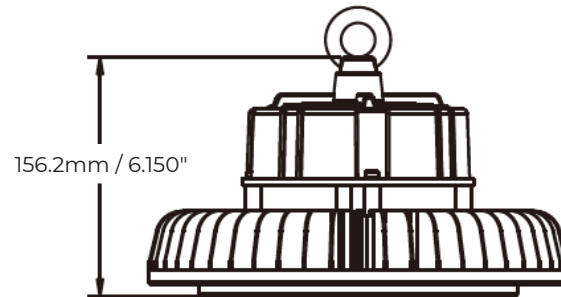
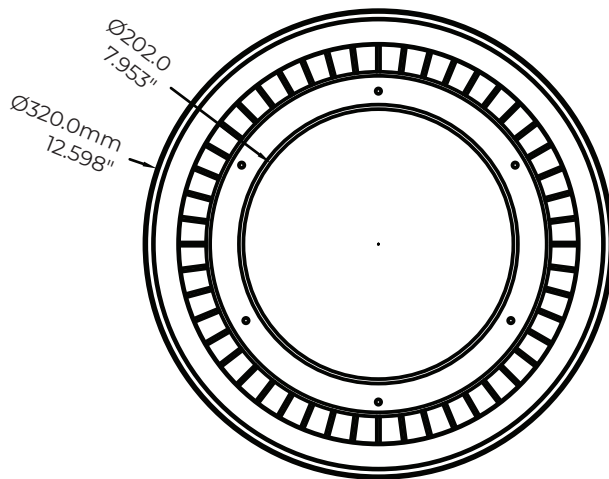
**PHOTOMETRICS**



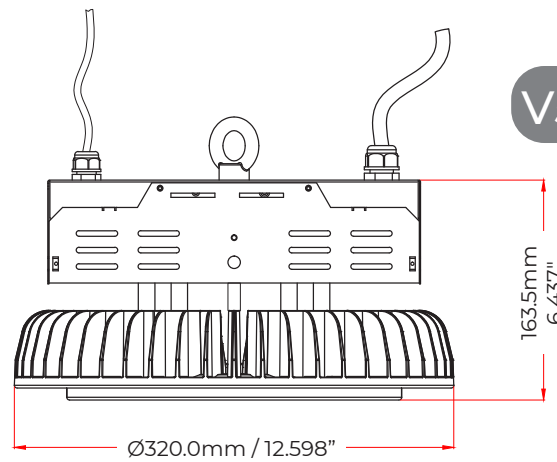
## 200W

### DIMENSIONS

WEIGHT: 5.44kg / 12 lb

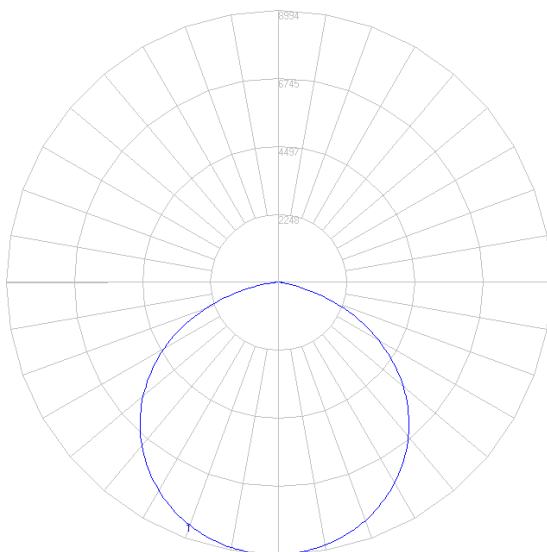


V4



V5

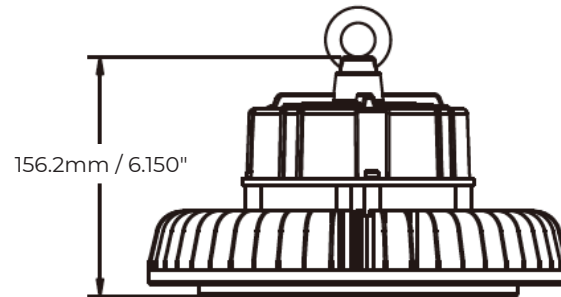
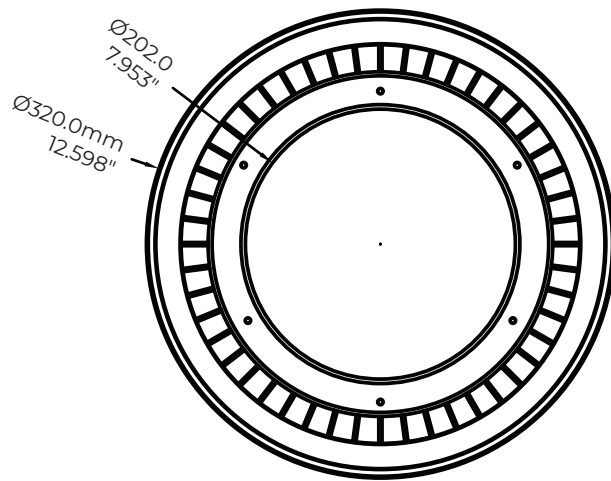
### PHOTOMETRICS



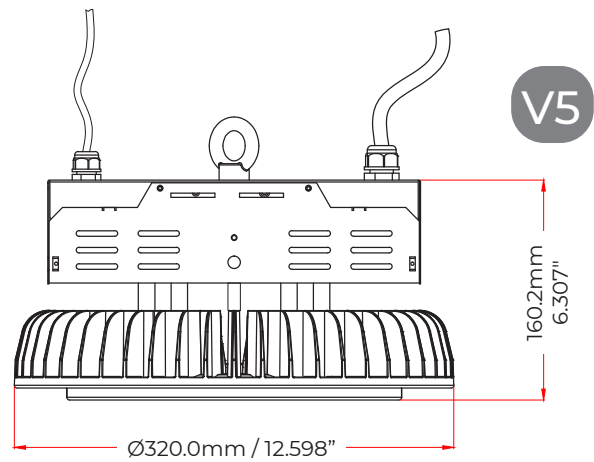
**240W**

**DIMENSIONS**

WEIGHT: 7.7kg / 17 lb

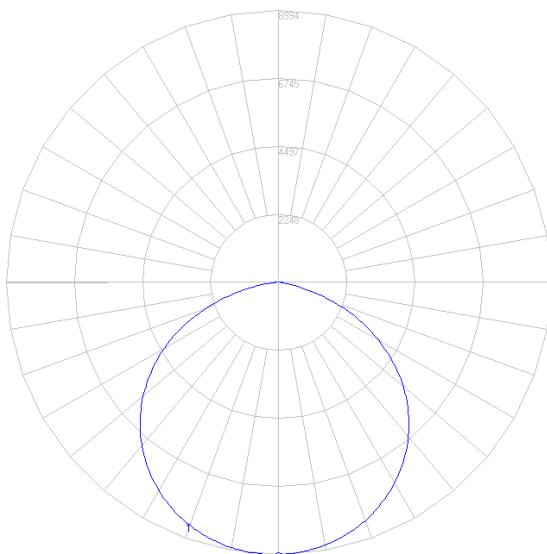


V4



V5

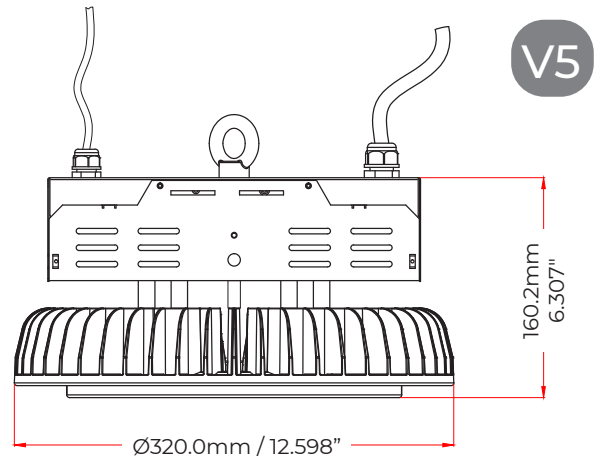
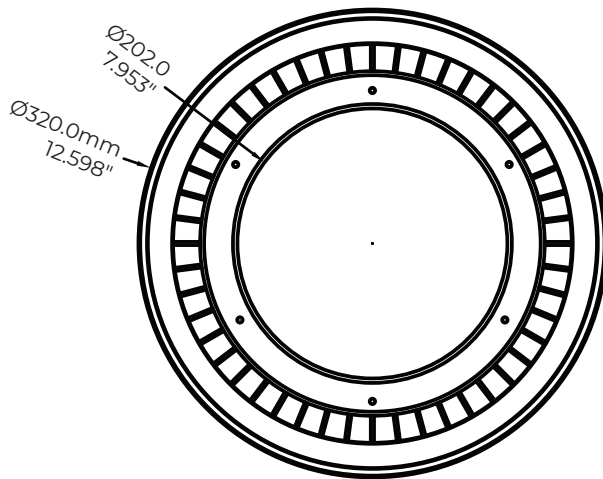
**PHOTOMETRICS**



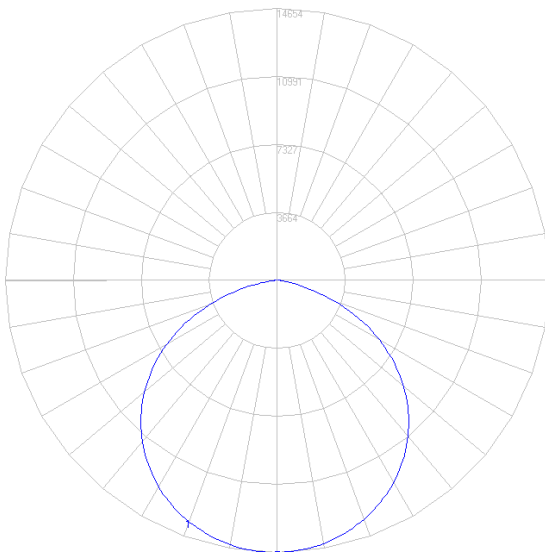
**300W**

**DIMENSIONS**

WEIGHT: 9.07kg / 20 lb



**PHOTOMETRICS**

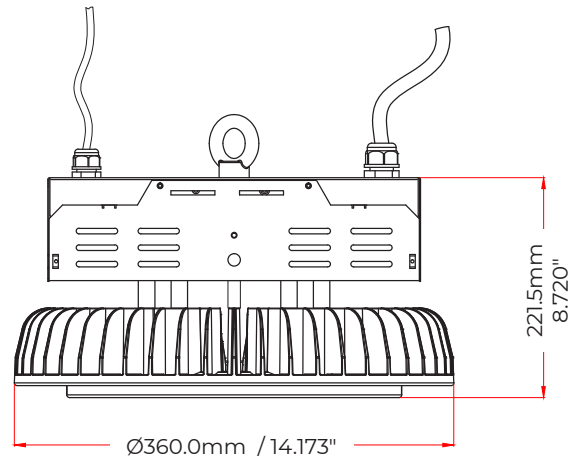
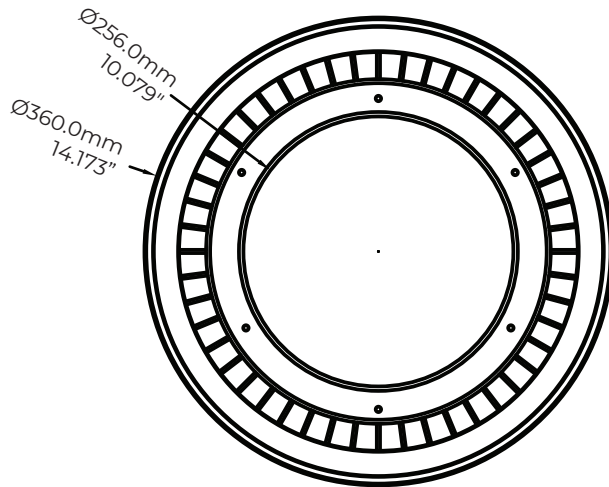




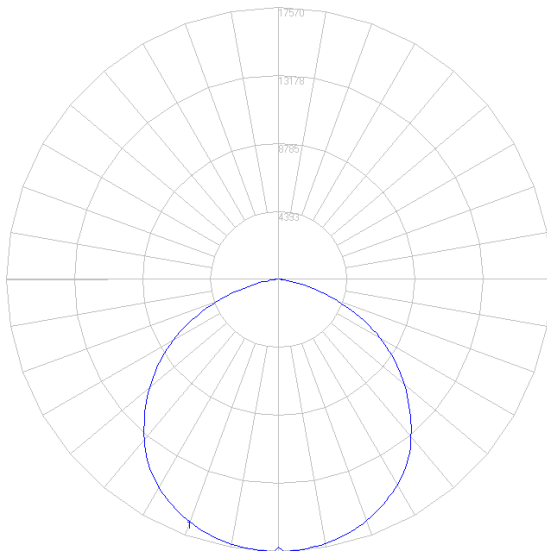
## 400W

### DIMENSIONS

WEIGHT: 11.61kg / 25.6 lb



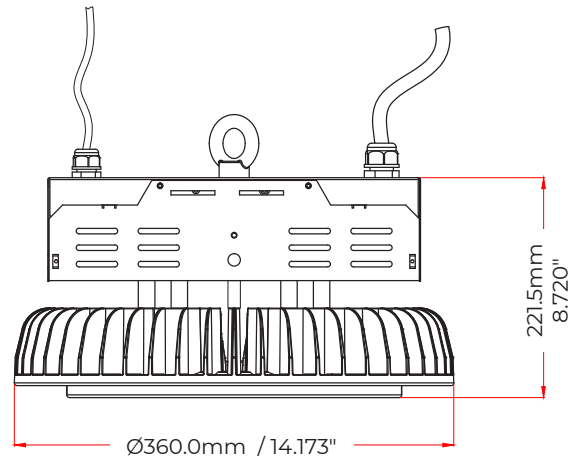
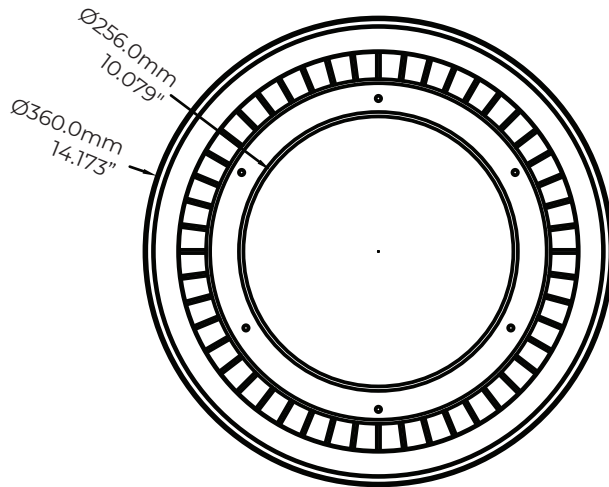
### PHOTOMETRICS



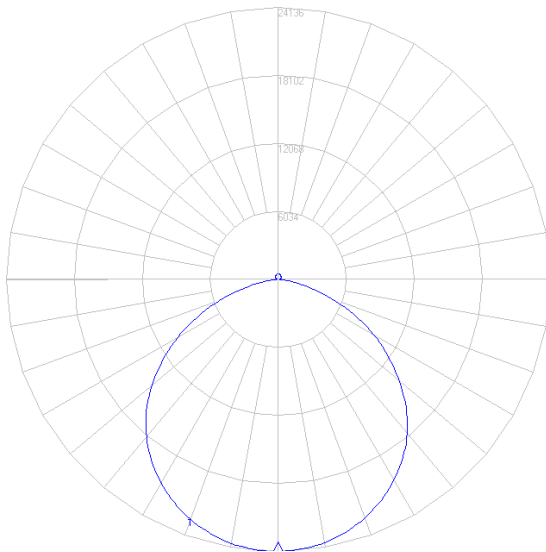
## 500W

### DIMENSIONS

WEIGHT: 12.7kg / 28 lb

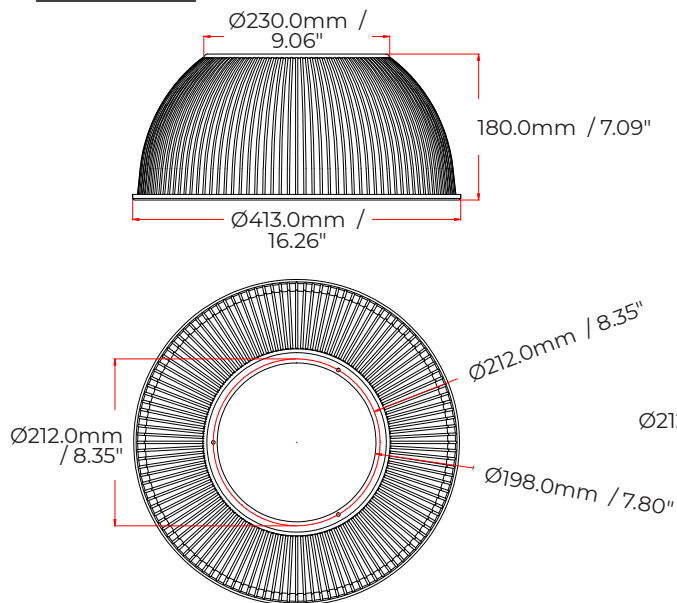


### PHOTOMETRICS

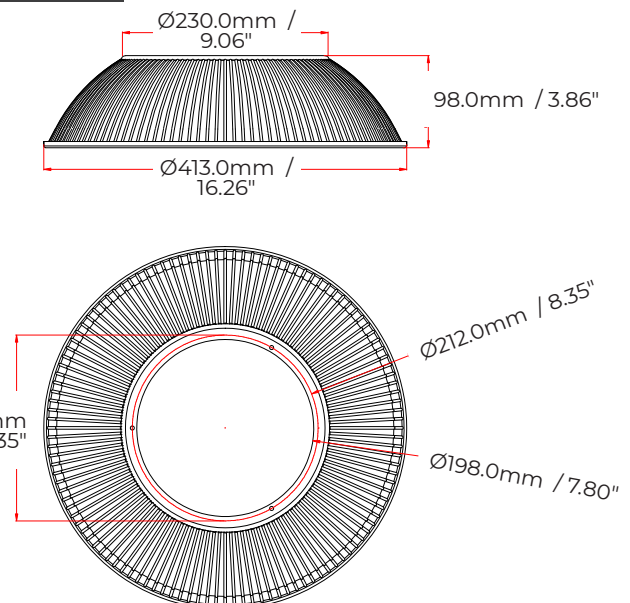


REFLECTOR DIMENSIONS

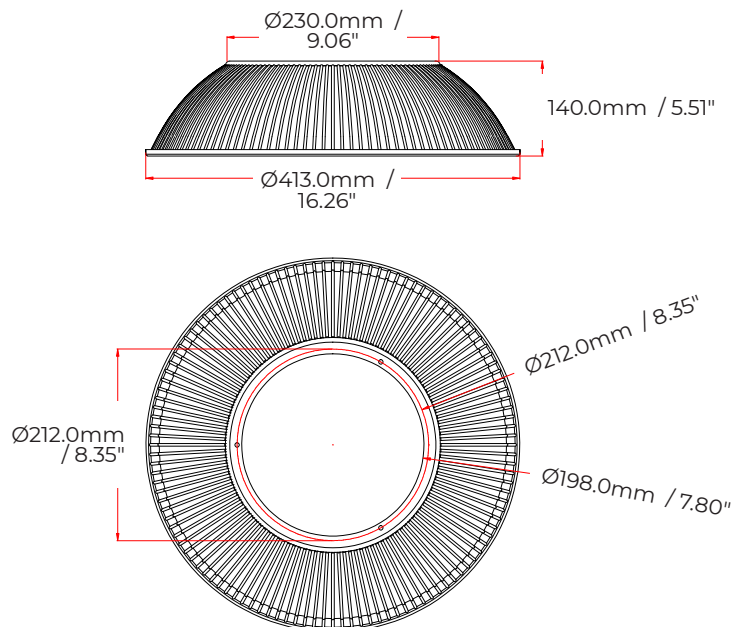
16PC-60°



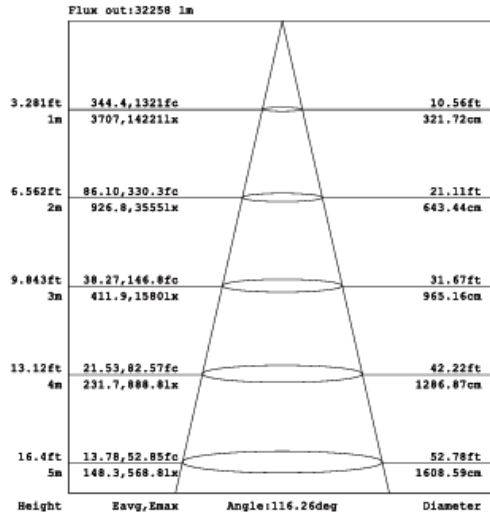
16PC-90°



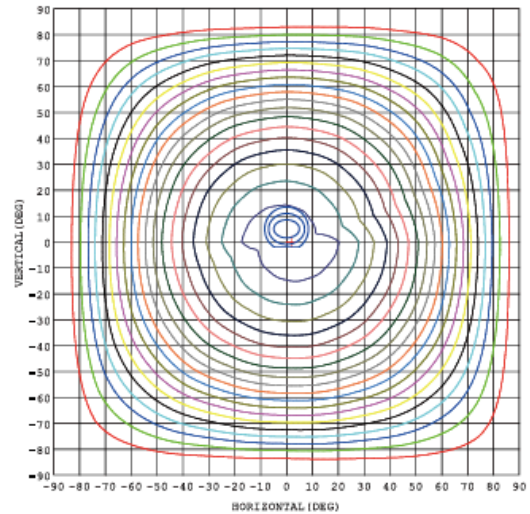
19PC-90°



## PHOTOMETRICS



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



Conical surface Flux(120deg):

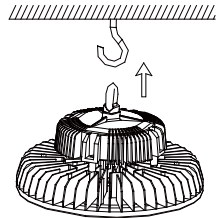
32900lm

%lum = 78.0%

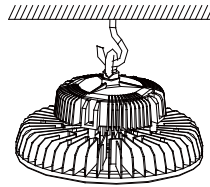
%lamp = 78.0%

## MOUNTING

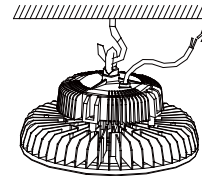
### RING/HOOK MOUNT



Install hook in ceiling



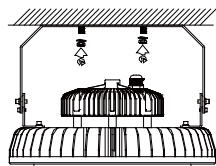
Hang fixture



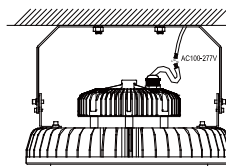
AC100-277V  
All wiring finished  
inside the junction  
box.

Connect the wiring;  
black-L, white-N, Yellow  
green - Ground. Ensure  
waterproofing where  
required.

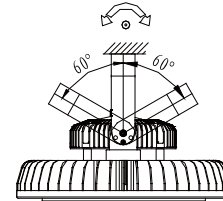
### BRACKET MOUNT



Install bracket to  
ceiling



Connect the wiring;  
black-L, white-N, Yellow  
green - Ground. Ensure  
waterproofing where  
required.



Adjust bracket to desired  
angle.



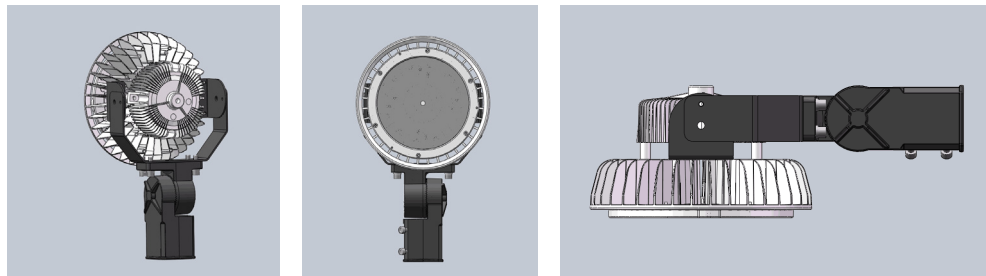
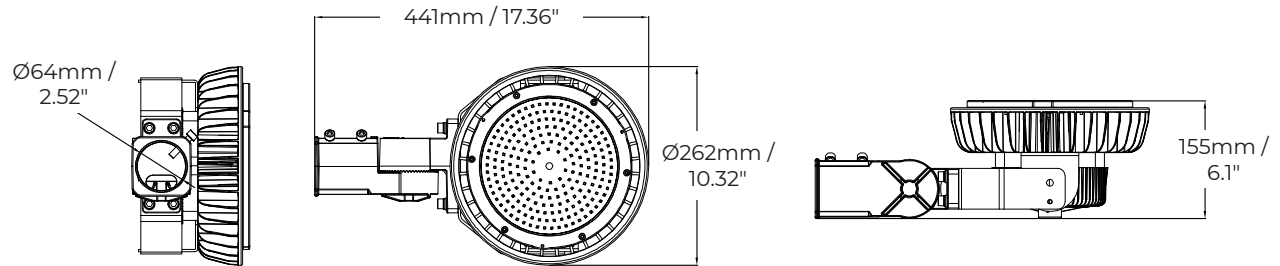
BRACKET MOUNT W/HOOK



BRACKET MOUNT W/RING

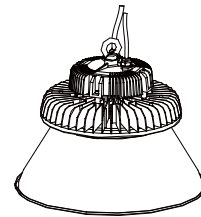
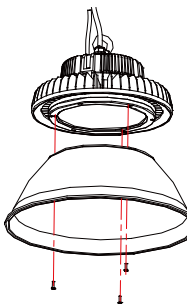
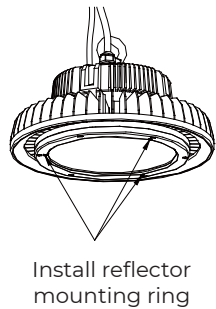
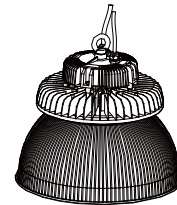
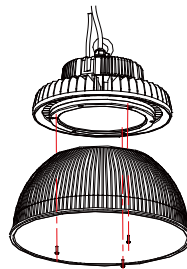
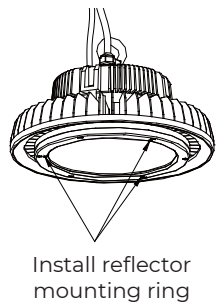
## MOUNTING

### KNUCKLE SLIPFITTER

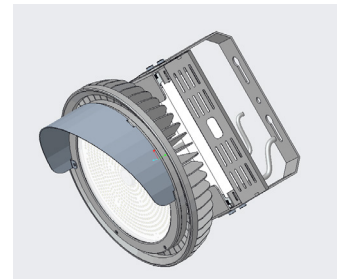
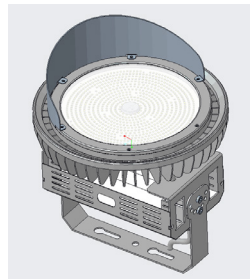
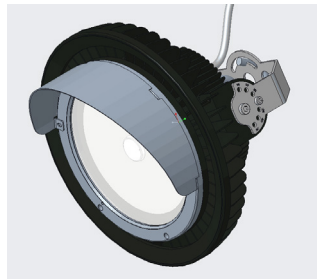
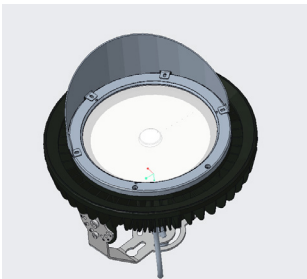
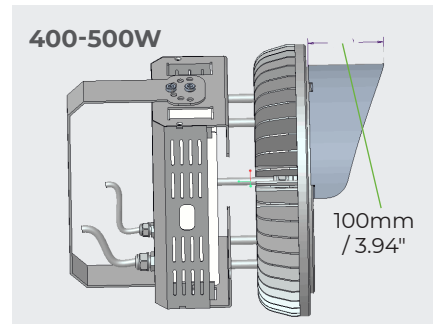
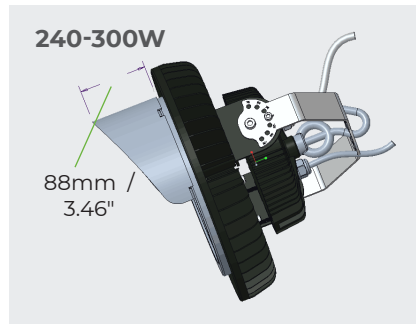
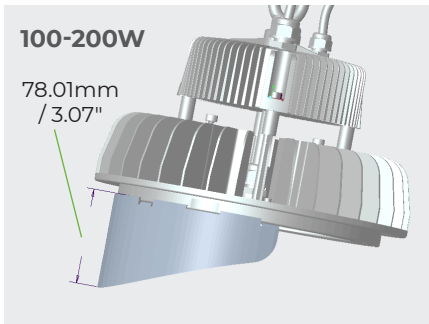


## INSTALLATION

### REFLECTOR INSTALLATION



## VISOR



## CONTROLS INTEGRATION

## CONTROLS

### Light when you need it. Savings when you don't.

Advanced sensors work in combination with dimming to provide full illumination only when needed, returning to a reduced level when the area is unoccupied - saving overhead on energy costs. CONTROLS systems use artificial intelligence to predict peak times on the grid and provides advanced notice about potentially expensive time, allowing you to take action to further minimize your costs by reducing your power draw.

