

# HBUF Helix G3

## Indoor



ATG's Helix High Bay is ideally deployed for use in distribution centers, manufacturing facilities, and large retail facilities with ceilings of 20 to 40 feet. Pairing high efficacy LED performance with a range of shroud and lens options, Helix High Bay will deliver top quality illumination and aesthetics to modern interior applications.

Luminaire	Helix High Bay G3	Type
Project		
Product		
Notes		



Features
<ul style="list-style-type: none"> <li>Up to 147 Lumens per watt</li> <li>Easy to install motion sensor</li> <li>IP65 Waterproof (sensor not included)</li> <li>Superior glare prevention and light quality</li> </ul>



### Order Format

Sample: HBUF-150W-50-SE-G3B

Series	Wattage	CCT	Voltage	Option	Generation	Finish Color
HBUF =Helix High Bay	100W=100W 150W=150W 200W=200W 240W=240W	35=3500K 40=4000K 50=5000K	Blank=100-277V V=347-480V	Blank=Standard SE=with sensor	G3= 3rd generation	B=Black W=White

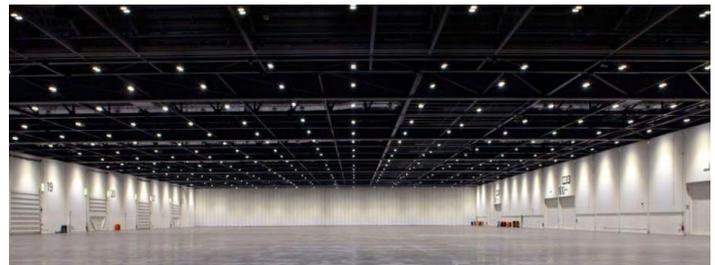
### Application

The luminaire can be mounted by cable, bracket, or pendant\*. Maximum recommended installation height for the Helix High Bay is 40 ft. The slim profile allows for exceptionally versatile placement compared to traditional high bays.

\*pendant kit available, pole not included

### Construction

The Helix High Bay G3's housing is formed from cast and extruded aluminum. Our streamlined manufacturing process delivers a more versatile product with a superior value proposition. The fixture is with heavy gauge aluminum enclosure to provide efficient heat dissipation. Easy to install sensor and SPD are provided as options.



### Electrical

The fixture delivers up to 147 lumens per watt at 80+ CRI. The calculated L70 lifespan is over 100,000 hours. Standard input voltage is 100-277V and 347- 480V models are also available. Fixture is IP65 rated.

Input Voltage (VAC)	100-277 347-480
CRI	80+
CCT(K)	3,500, 4,000, 5,000
PF	.9
THD	<20%
L70 (Hours)	100,000
Color	Black, Custom
Housing	Aluminum Alloy, Tempered Glass Cover
Temperature Range	-40°C to 55°C
Warranty	10 Years

### Optics

The Helix High Bay G3 is offering a range of PMMA shrouds and lens to provide high levels of vertical illuminance with minimal glare.

### Certifications/Listings

- DLC V5.0 Premium
- ETL
- FC
- RoHS

[10 Year Warranty Page](#)

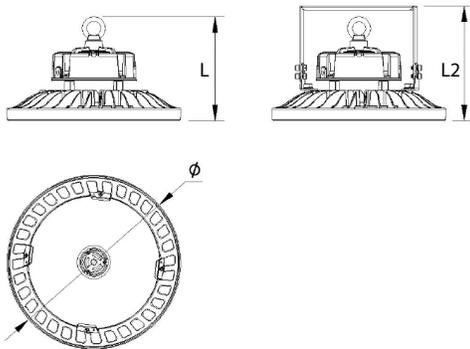
**Lumens**

Catalog Number	Wattage (W)	35K		4K		5K	
		Efficacy (Lm/W)	Lumens (Lm)	Efficacy (Lm/W)	Lumens (Lm)	Efficacy (Lm/W)	Lumens (Lm)
HBUF-100W	100W	142	14200	145	15,197	147	15,392
HBUF-150W	150W	145	21750	145	21,782	146	22,070
HBUF-200W	200W	142	28400	146	29,457	147	29,839
HBUF-240W	240W	142	34080	145	34,805	147	35,294

Please Contact an ATG Representative for more information.  
Cord Set Options are assembled to order. Lead times apply. Battery Backup Option is Assembled to Order. Lead times apply. Motion Sensor options are assembled to order. Lead times apply. 347-480V Driver Options are assembled to order. Lead times apply.

**Dimension**

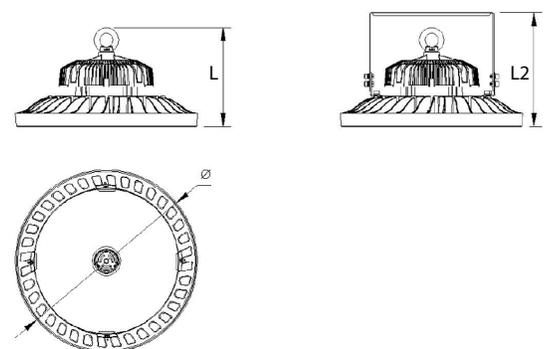
**100W  
150W**



Part No.	Length (L)	Length (L2)	Diameter (Ø)
HBUF-100W	7.28	8.07	12.20
HBUF-150W	7.28	8.07	12.20

Recorded in inches

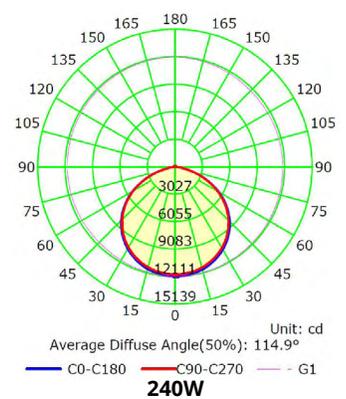
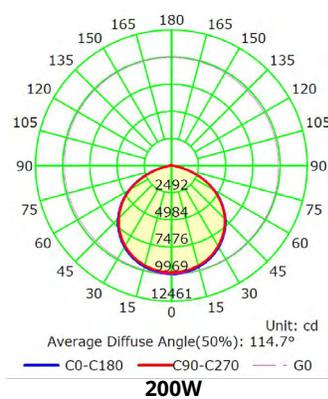
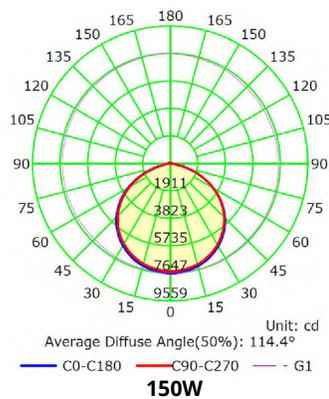
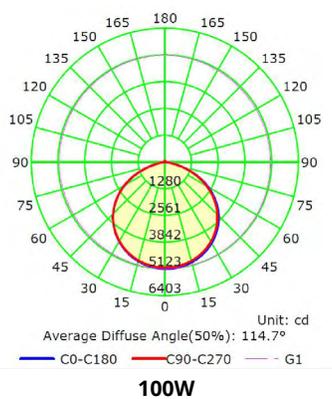
**200W  
240W**



Part No.	Length (L)	Length (L2)	Diameter (Ø)
HBUF-200W	8.26	9.13	14.56
HBUF-240W	8.26	9.13	14.56

Recorded in inches

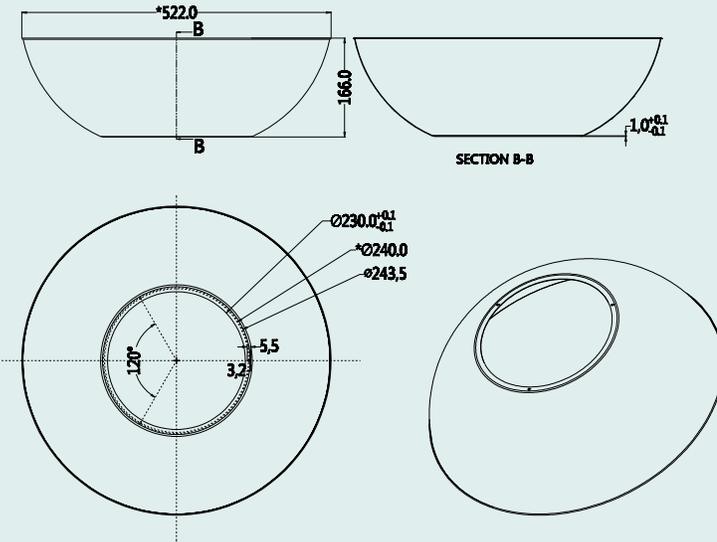
**Coverage**



**Accessories**

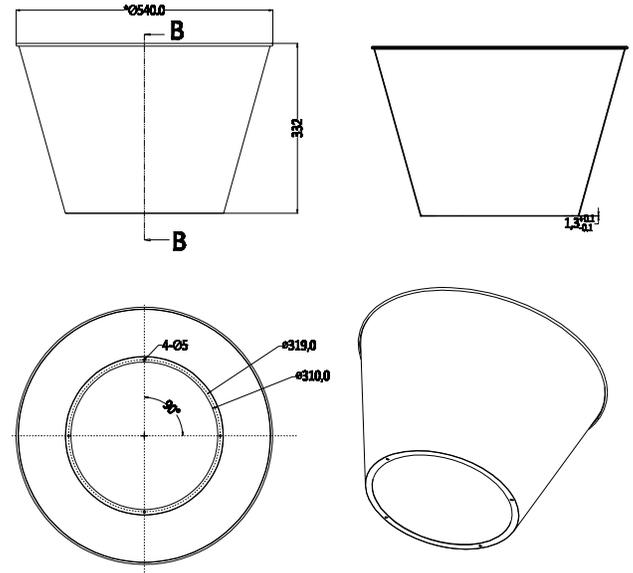
**90° Aluminum Shroud**

SRD-HBUF-G3-D90-A1 90°  
Aluminum Shroud Dimension  
for 100W&150W



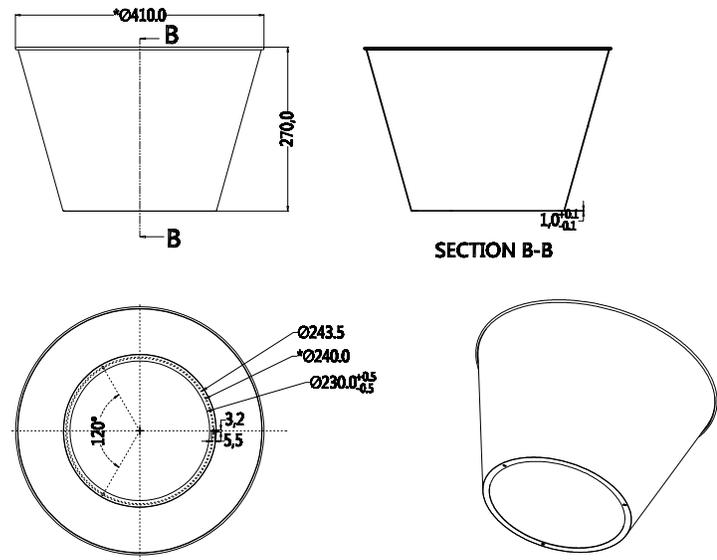
**60° Aluminum Shroud**

SRD-HBUF-G3-D60-A2 60°  
Aluminum Shroud Dimension  
for 200W&240W



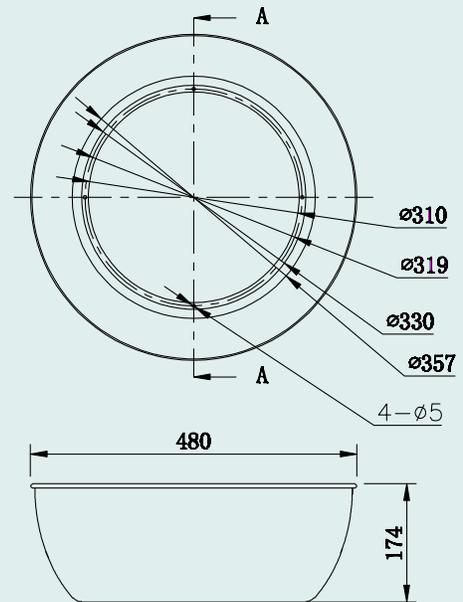
**60° Aluminum Shroud**

SRD-HBUF-G3-D60-A1 60°  
Aluminum Shroud Dimension  
for 100W&150W



**90° Aluminum Shroud**

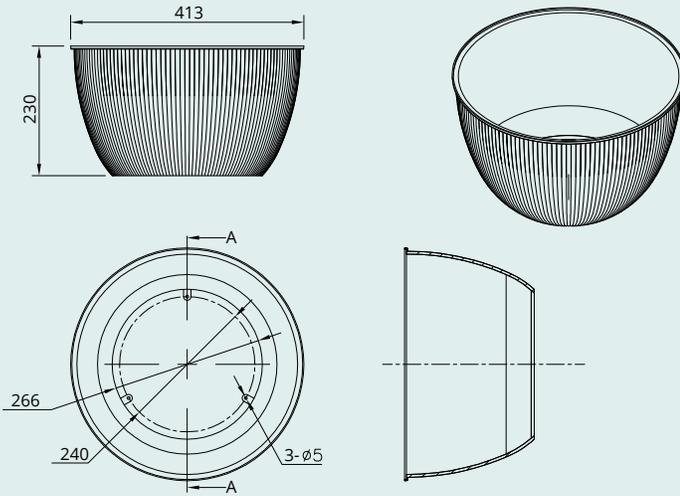
SRD-HBUF-G3-D90-A2 90°  
Aluminum Shroud Dimension  
for 200W&240W



**Accessories**

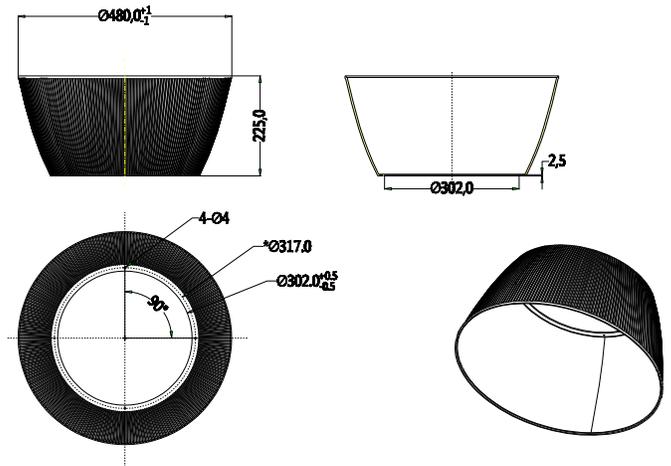
**60° PC Shroud**

SRD-HBUF-G3-D60-01 60°  
Polycarbonate Shroud  
Dimension for 100W&150W



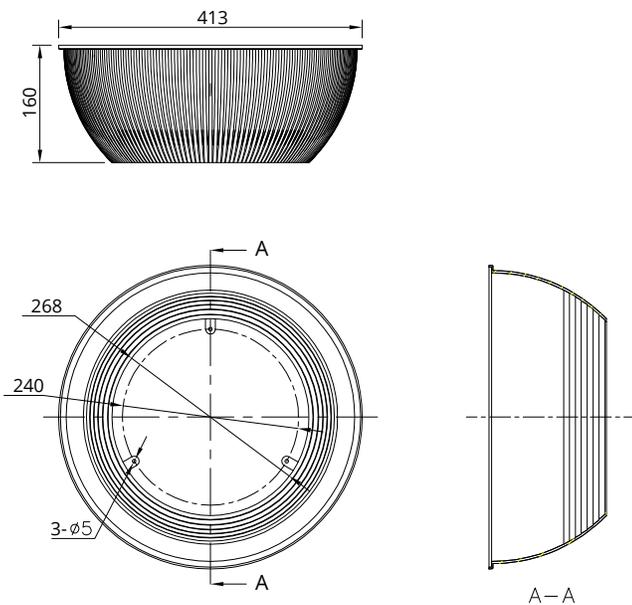
**60° PC Shroud**

SRD-HBUF-G3-D60-02 60°  
Polycarbonate Shroud  
Dimension for 200W&240W



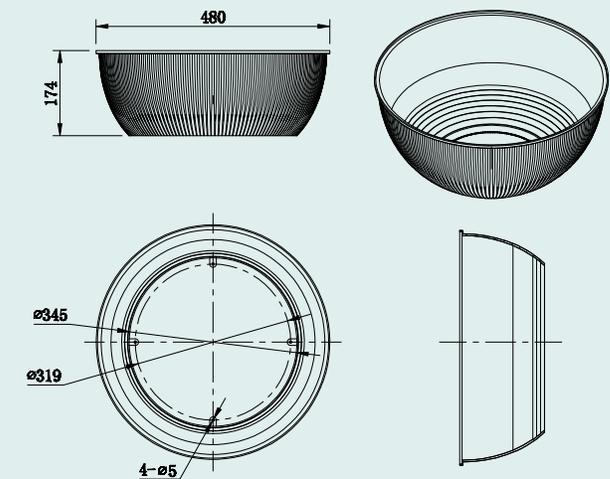
**90° PC Shroud**

SRD-HBUF-G3-D90-01 90°  
PC Shroud Dimension for  
100W&150W



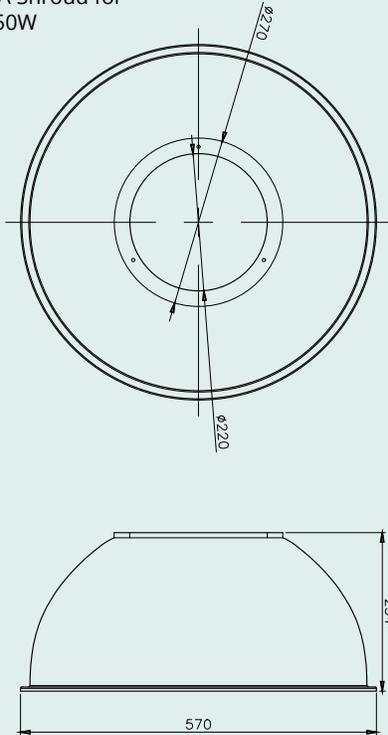
**90° PC Shroud**

SRD-HBUF-G3-D90-02 90°  
Polycarbonate Shroud  
Dimension for 200W&240W

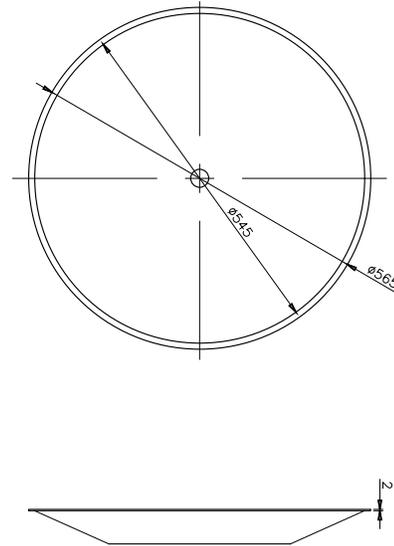


**Accessories**

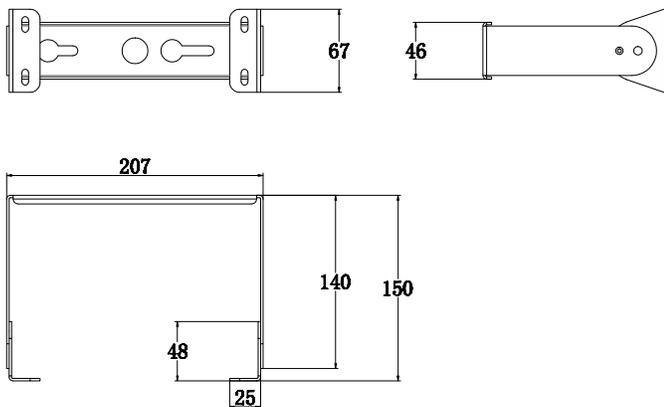
**22" PMMA Shroud**  
HAC-HBCVR-0220IN-G3  
22" PMMA Shroud for  
100W&150W



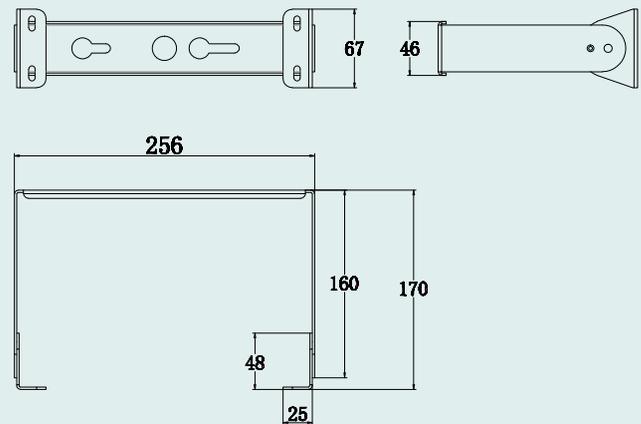
**22" Dome**  
HAC-HBBTM-0220IN-G3  
Dome Cover for 22" PMMA  
Shroud



**PMK-HBUF-G3-01**  
Pendant Mount Kit  
For 100W&150W



**PMK-HBUF-G3-02**  
Pendant Mount Kit  
For 200W&240W



**Electrical Accessories**

**PIR Sensor**

- HD06VCRH3:** Microwave Sensor
- RECP-HD006VCRH3:** Receptacle
- RC-HD06VCRH3:** Remote Control

The bottom part will be always on the lighting fixtures; if the function is needed, the module will be placed inside; if no function needed, the module will be removed.

<b>Operating Voltage</b>	10-15VDC
<b>Operating Current</b>	30mA±5%
<b>Output</b>	DIM 1-10V
<b>Stand-by Power</b>	<0.5W
<b>Detection Area</b>	25%/50%/75%/100%
<b>Hold Time</b>	5s/30s/1min/3min/5min/10min/20min/30min
<b>Daylight Threshold</b>	2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
<b>Stand-by period</b>	0s/10s/30s/1min/5min/10min/30min/+∞
<b>Stand-by dimming level</b>	10%/20%/30%/50%
<b>Microwave frequency</b>	5.8GHz±75MHz
<b>Microwave power</b>	<0.3mW
<b>Mounting height</b>	Max.15m/49.2ft
<b>Detection range</b>	Max.14m/45.92ft
<b>Operating temperature</b>	-20°C~+60°C
<b>IP rating</b>	IP20

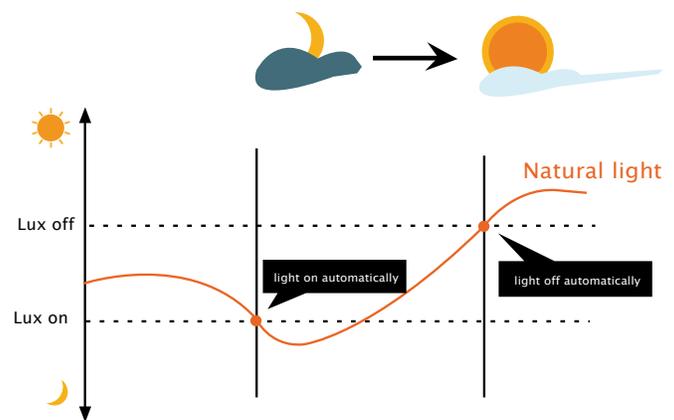
**Settings**

**LUX on/off**

Adopted dual PD technology, it is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Preconditions to use the Lux-off function:

1. Standby period is +∞;
2. Standby dimming level is on 10% or 30%;
3. Daylight threshold is on 30Lux, 50Lux, 80Lux or 120Lux.



**Application - - LUX on/off**



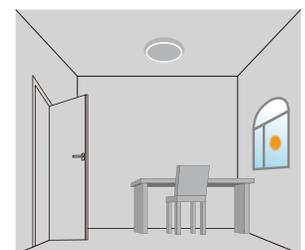
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected.



Light dims to standby level if no motion detected after holdtime.



Light off when ambient lux level is higher than preset lux amount.