



HBUH SERIES

HIGH TEMPERATURE UFO HIGH BAY

INTRODUCTION

Engineered specifically for extreme high-temperature industrial and commercial high-ceiling environments, the FGE-HBUH Series High Temperature UFO High Bay is a robust lighting solution that delivers stable performance in scenarios where standard fixtures fall short. It integrates high-efficacy, heat-resistant LED chips and advanced anti-glare optical lenses, boasting an impressive luminous efficacy of up to 170 lm/W. This enables it to provide bright and uniform illumination for large spaces while reducing energy consumption by up to 60% compared to traditional high bay lighting.

Its compact UFO-shaped enclosure, crafted from heavy-duty die-cast aluminum with a specialized high-temperature-resistant coating, not only optimizes heat dissipation (maintaining stable LED performance even in ambient temperatures up to 80°C) but also boasts IP66 & IK08 protection ratings. This makes it highly resistant to dust, water jets, and mechanical impacts, ideal for harsh settings like metal foundries, glass manufacturing plants, high-temperature warehouses, and industrial drying facilities.



FEATURES



Wattage Selectable: Multi-wattage options in a single fixture for flexible applications and reduced inventory.



Smart Control Ready: Compatible with 0-10V/DALI dimming, optional microwave/infrared sensor, and emergency kit.



CCT Tunable: Adjustable color temperature to suit diverse environments.



Operation Temperature up to 80°C: No degradation in performance up to 80°C



High Efficacy & Energy Saving: Up to 170 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



Reliable Warranty: 5 Years Warranty.

- **Advanced Optical Design:**
High-transmittance PC lens with 110° beam options, ensuring uniform illumination and glare reduction.
- **Robust Protection:**
IP66 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.
- **Superior Thermal Management:**
Die cast aluminum housing with optimized heat sink for reliable performance.
- **Versatile Mounting Options:**
Top mounting, and U-shaped bracket mounting for flexible installation.
- **Wide Input Voltage:**
AC120-277V, suitable for global power grids.

APPLICATIONS



Steel Mills: Capable of withstanding harsh environments and high temperatures.



Industrial Plants: Dust tolerance, reliable vibration resistance performance.

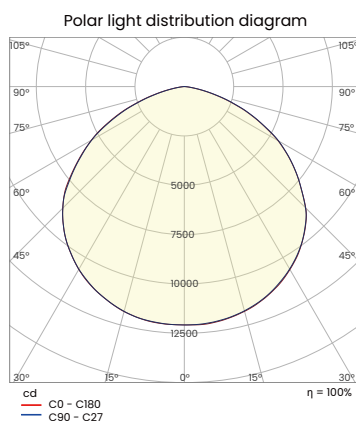


Mining Plants: High dust tolerance, stable and reliable vibration resistance performance.

TECHNICAL PARAMETERS

Product Model	HBUH-150W		HBUH-200W	
Electrical Performance				
Wattage Selectable	150W/100W/80W		200W/150W/100W	
Input Voltage	AC120-277V		AC120-277V	
Frequency	50/60Hz		50/60Hz	
Power Factor (PF)	>0.9		>0.9	
Surge Protection	6KV		6KV	
THD	<20%		<20%	
Optical Performance				
Luminous Efficacy	170lm/W		170lm/W	
Luminous Flux	25500lm/17000lm/13600lm		34000lm/25500lm/17000lm	
CCT Selectable	3500K/4000K/5000K		3500K/4000K/5000K	
CRI	Ra>70		Ra>70	
Beam Angle	110°		110°	
Unified Glare Rating (UGR)	30		30	
Reliability				
Lifetime	>100,000h, L70 @25°C		>100,000h, L70 @25°C	
Operating Temperature	80W@ -40 ~ +80°C	100W@ -40 ~ +80°C	150W@ -40 ~ +75°C	200W@ -40 ~ +75°C
Storage Temperature	-40 ~ +70°C		-40 ~ +70°C	
Ingress Protection	IP66		IP66	
Impact Resistance	IK08		IK08	
Control				
Dimming	0-10V/DALI		0-10V/DALI	
Sensor	-		-	
Communication Protocol	-		-	
Emergency Kit	-		-	
Mechanical				
Housing Material	Die cast aluminum		Die cast aluminum	
Lens Material	Tempered glass		Tempered glass	
Coating	Black/RAL9005		Black/RAL9005	
Net Weight	6.8kg		9.1kg	
Dimensions	Φ489.5x452mm		Φ489.5x452mm	
Warranty	5 Years		5 Years	

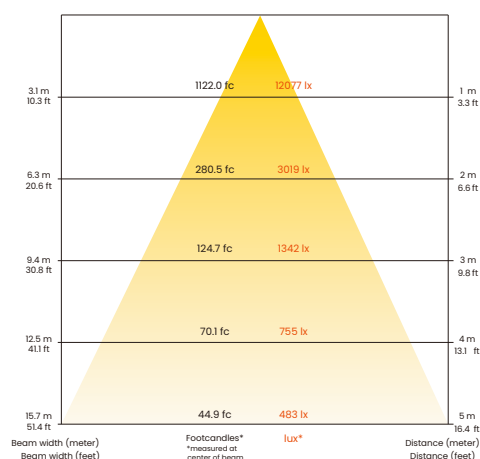
PHOTOMETRICS



110°

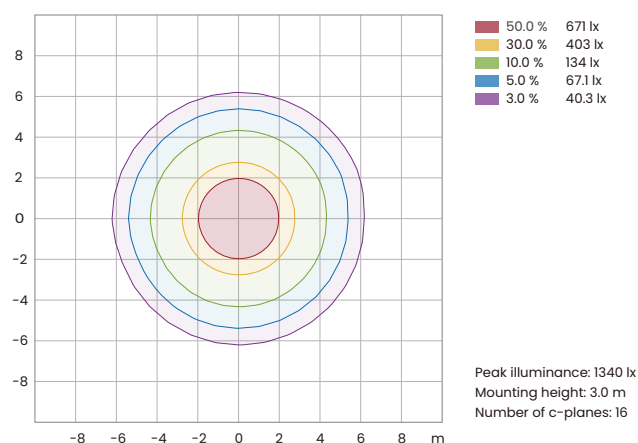
ILLUMINANCE DISTRIBUTION

Illuminance at A Distance



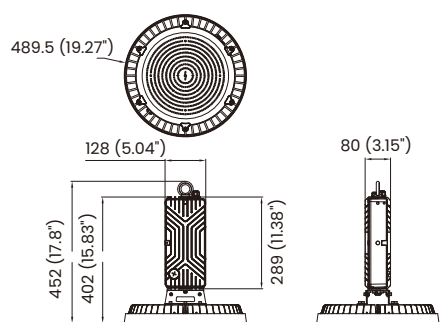
110°

Iso-illuminance Diagram (Iso-lux)



110°

MECHANICAL DIMENSIONS

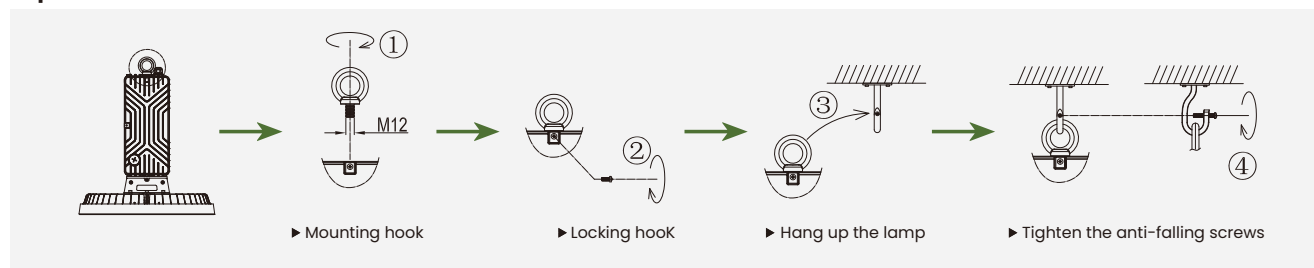


150W/100W/80W 200W/150W/100W

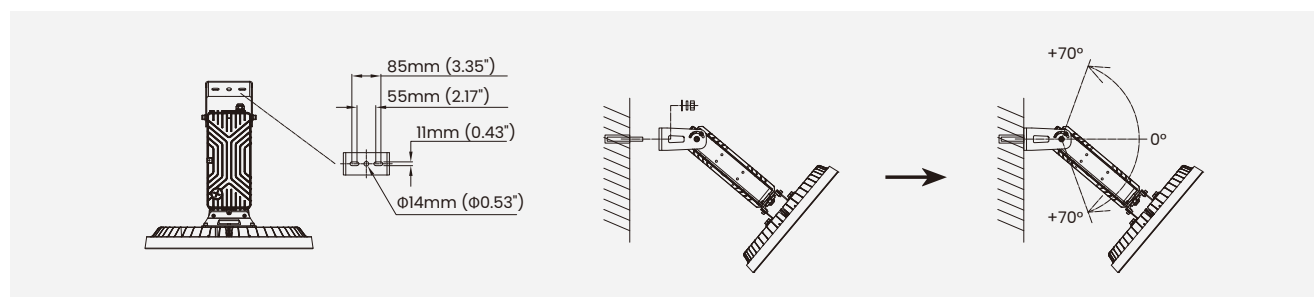
Product Model	HBUH-150W	HBUH-200W
Wattage Selectable	150W/100W/80W	200W/150W/100W
Outer box (L*W*H)	415x415x165mm (16.34"x16.34"x6.49")	540x540x180mm (21.26"x21.26"x7.09")
Q'ty/Ctn	1pc	1pc
N.W./Ctn	6.8kg/15.00lbs	9.7kg/21.38lbs
G.W./Ctn	7.7kg/16.98lbs	11kg/24.25lbs
Remarks	1.8M cable	1.8M cable

INSTALLATION

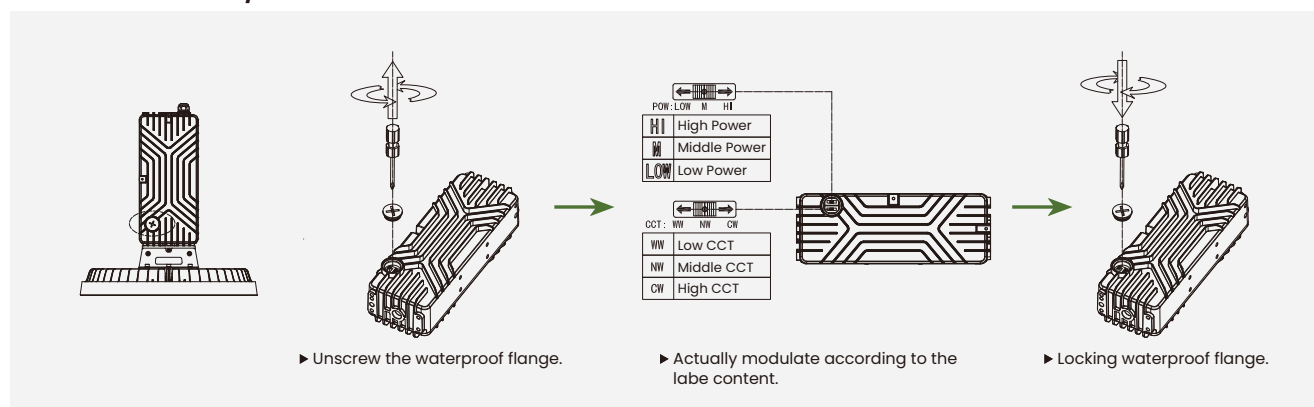
Top Mount



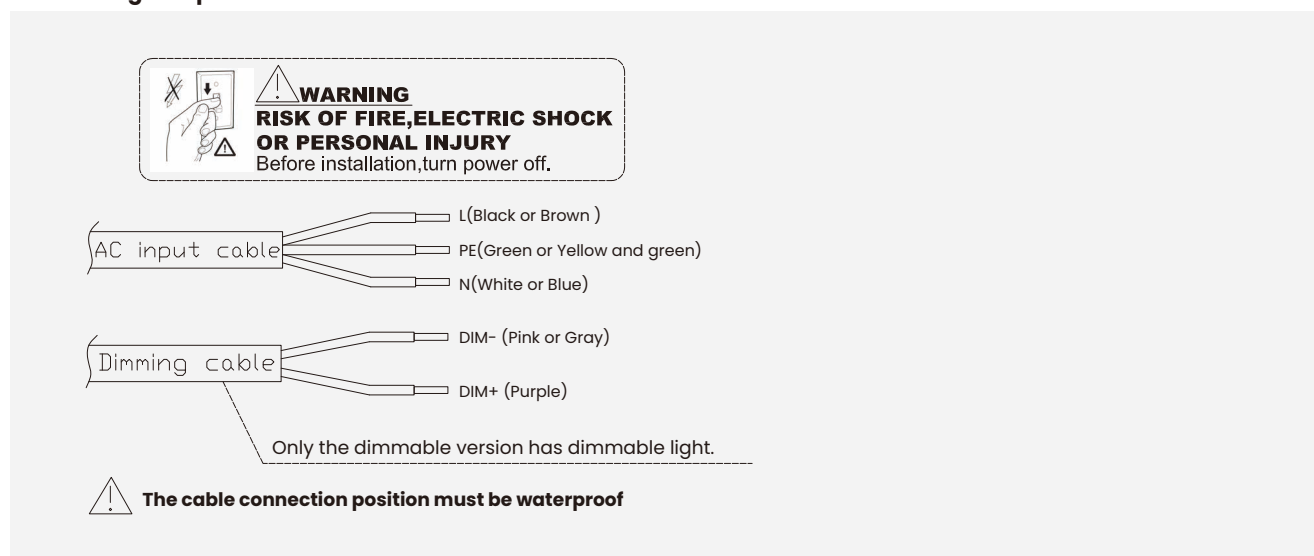
U-Bracket Mount



Modulation of Power / CCT



Connecting Lamp Cable



ACCESSORIES



U-Bracket

ORDER INFORMATION

HBUH-YY-YY-YY

1 2 3 4 5 6 7

1 HBUH Series High Temperature UFO High Bay

2 Wattage

150W	150W/100W/80W
200W	200W/150W/100W

3 Color Temperature

35K	3500K
40K	4000K
50K	5000K

4 Watt & CCT Selectable

(Blank)	Single CCT & Watt
TCP	Tunable Watt & CCT
TC	Tunable CCT
TP	Tunable Watt

5 Input Voltage

(Blank)	120-277V
H	120-347V or 200-480V

6 Dimmable

(Blank)	Non Dimming
D	0-10V Dimming

7 Optics

(Blank)	110°
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WARRANTY PERIOD
5 YEARS
WARRANTY



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT