

HBUE3 SERIES

UFO HIGH BAY

INTRODUCTION

The FGE-HBUE3 Series High Bay is engineered for demanding industrial and commercial high-ceiling applications. Equipped with high-efficacy LED chips and precision optical lenses, it delivers up to 170 lm/W, providing uniform and glare-free illumination while significantly reducing energy consumption.

Its robust die-cast aluminum housing ensures excellent heat dissipation and durability, with IP65 & IK08 protection ratings for reliable performance in harsh environments such as warehouses, factories, sports facilities, and logistics centers.

Multiple mounting options (hook, pendant, bracket) and compatibility with smart dimming and sensor controls enable flexible energy management.

With a rated lifetime of 100,000 hours of LED chips and a 5/7/10-year warranty options, the HBUE3 offers a highly reliable, low-maintenance lighting solution tailored to modern industrial needs.



LISTED · NOM · CE · RoHS · IP65

LM-79 | LM-80 | TM-21 | ISTMT | IEC

FEATURES

3 WATTS SELECTABLE

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

CCT SELECTABLE

CCT Selectable: Adjustable color temperature to suit diverse environments.

170lm/W

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

0-10V DIMMABLE

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

1.8M CORD

Extended Power Cord: The 1.8m cord provides more flexibility in fixture placement and connection.

100,000H LIFE TIME

Extended Lifetime: >100,000 hours (L70, TM-21), minimizing maintenance costs.

RELIABLE WARRANTY

Reliable Warranty: 5 / 7 / 10 Years Warranty Options.

- **Advanced Optical Design:**
  High-transmittance PC lens with 90° / 110° beam options, ensuring uniform illumination and glare reduction.
- **Robust Protection:**
  IP65 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:**
  Hook, pendant, and bracket mounting for flexible installation.
- **Wide Input Voltage:**
  AC100–277V / AC277–480V, suitable for global power grids.

APPLICATIONS



Warehouses & Logistics Centers: High-rack aisle lighting with high uniformity and energy efficiency.



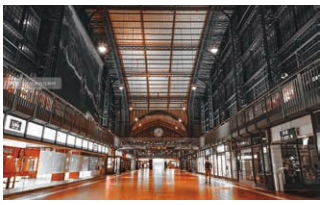
Industrial Plants & Manufacturing Workshops: High-bay environments resistant to dust, vibration, and temperature variations.



Sports Arenas & Gymnasiums: Large indoor venues requiring uniform, flicker-free illumination.



Commercial Complexes & Showrooms: Large retail stores and automobile showrooms with functional and presentation lighting needs.



Airport & Railway Station Halls: High-ceiling public spaces with long operation hours and difficult maintenance.



Cold Storage & Special Warehouses: Reliable performance under low-temperature conditions.

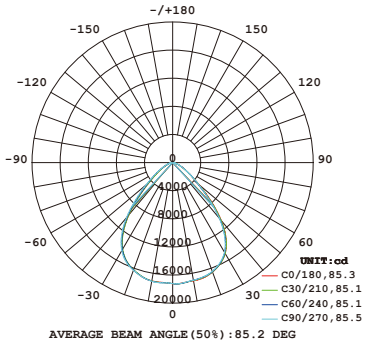


Municipal Halls & Exhibition Centers: Large public spaces such as convention and exhibition centers.

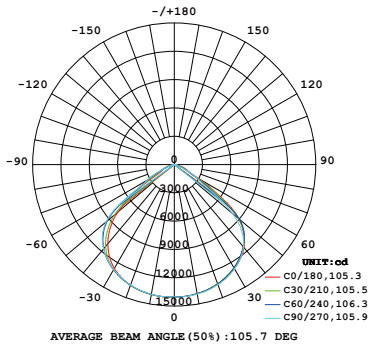
TECHNICAL PARAMETERS

Product Model	HBUE3-150W	HBUE3-240W	HBUE3-300W
Electrical Performance			
Wattage Selectable	150W/120W/100W	240W/200W/150W	300W
Input Voltage	AC100–277V/277–480V	AC100–277V/277–480V	AC100–277V/277–480V
Frequency	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9	>0.9
Surge Protection	6KV	6KV	6KV
THD	<20%	<20%	<20%
Optical Performance			
Luminous Efficacy	170lm/W	170lm/W	170lm/W
Luminous Flux	25500lm/20400lm/17000lm	40800lm/34000lm/25500lm	51000lm
CCT Selectable	4000K/5000K	4000K/5000K	4000K/5000K
CRI	Ra>80	Ra>80	Ra>80
Beam Angle	60°/90°/110°	60°/90°/110°	60°/90°/110°
Unified Glare Rating (UGR)	<28	<28	<28
Reliability			
Lifetime	>100,000h, L70 @25°C	>100,000h, L70 @25°C	>100,000h, L70 @25°C
Operating Temperature	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP65	IP65	IP65
Impact Resistance	IK08	IK08	IK08
Control			
Dimming	0–10V/DALI	0–10V/DALI	0–10V/DALI
Sensor	Motion Sensor	Motion Sensor	Motion Sensor
Communication Protocol	Bluetooth/Zigbee/LoRa	Bluetooth/Zigbee/LoRa	Bluetooth/Zigbee/LoRa
Emergency Kit	30W/40W Battery Backup	30W/40W Battery Backup	30W/40W Battery Backup
Mechanical			
Housing Material	Aluminum Die Casting	Aluminum Die Casting	Aluminum Die Casting
Lens Material	Polycarbonate	Polycarbonate	Polycarbonate
Coating	Corrosion-resistant powder coating, compliant with ASTM B117 salt spray testing		
Net Weight	1.75kg	2.5kg	2.8kg
Dimensions	288.8x288.8x134.4mm	332.7x332.7x139.4mm	350.7x350.7x123.9mm
Warranty	5/7/10 Years	5/7/10 Years	5/7/10 Years

PHOTOMETRICS

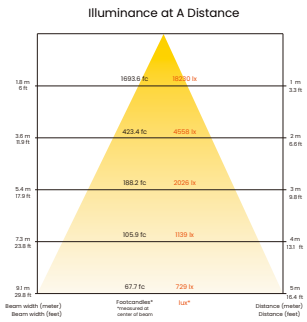


90°

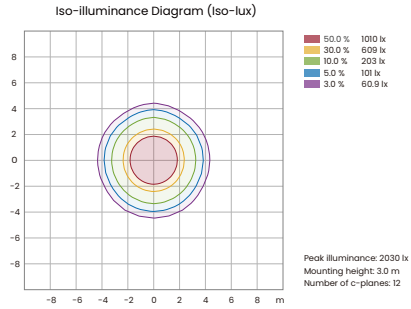


110°

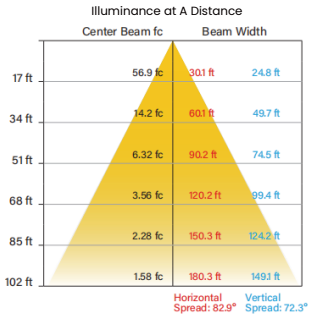
ILLUMINANCE DISTRIBUTION



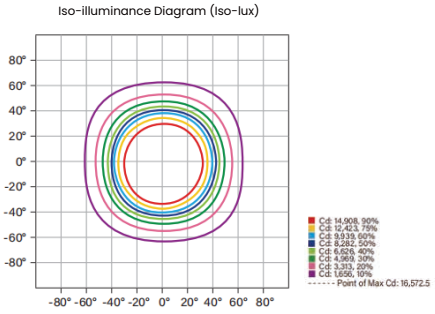
90°



90°

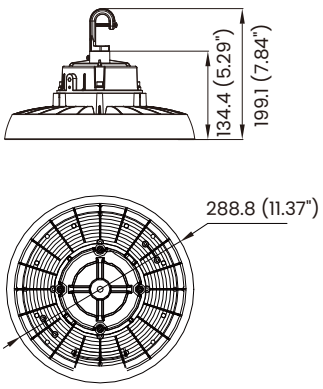


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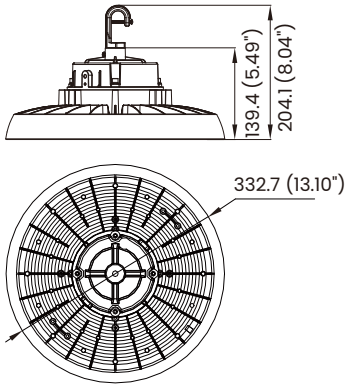


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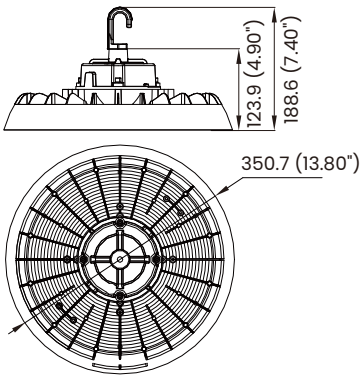
MECHANICAL DIMENSIONS



100W/125W/150W



150W/200W/240W



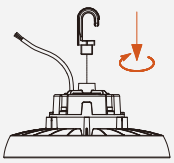
300W

Product Model	HBUE3-150W	HBUE3-240W	HBUE3-300W
Wattage Selectable	150W/120W/100W	240W/200W/150W	300W
Outer box (L*W*H)	348x348x194mm (13.70"x13.70"x7.64")	408x408x208mm (16.06"x16.06"x8.19")	418x418x182mm (16.46"x16.46"x7.17")
Q'ty/Ctn	1pc	1pc	1pc
N.W./Ctn	2.95kg/6.50lbs	3.60kg/7.94lbs	2.80kg/6.17lbs
G.W./Ctn	3.55kg/7.82lbs	4.65kg/10.25lbs	4.05kg/8.93lbs
Remarks	1.8M cable	1.8M cable	1.8M cable

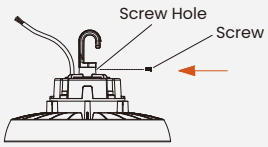
INSTALLATION

Hook Mount

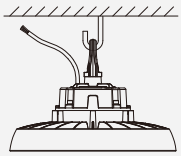
1. Lock the hook.



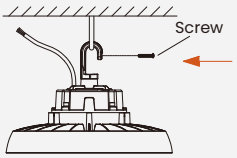
2. Tighten the screw. (This step can be omitted if there is no screw hole.)



3. Hang up the light.

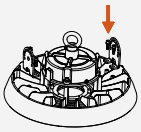


4. Lock the screw.

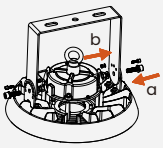


U-Bracket Mount

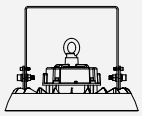
1. Prepare 2L-shaped brackets and lock them to the housing by using screws.



2. Prepare a U-shaped bracket, connect one end to the L-shaped brackets with screws, and fasten the other end with nuts.



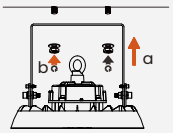
3. L-shaped and U-shaped brackets installation completed.



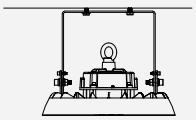
4. Prepare two expansion bolts and fix them into the ceiling.



5. Use screws to lock the light fixture with the mounted brackets into the expansion bolts in the ceiling.

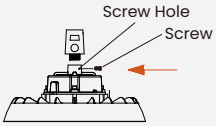


6. Installation completed.

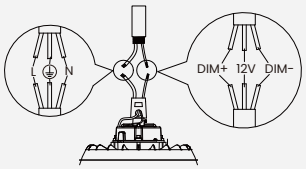


Conduit Pendant Mount

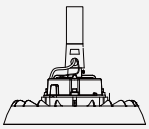
1. Screw the 1/2" side of the adatper into the LED driver socket, and fasten the side screw.



2. Connect the AC wire and dimming wire, ensure the connection aligned with the wiring diagram.

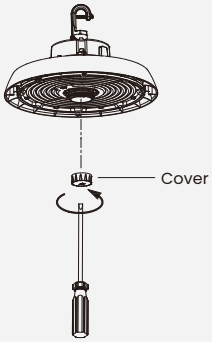


3. Screw the 3/4" pendant conduit into the adapter and fasten the side screw.

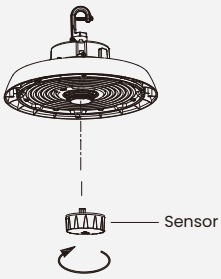


Sensor Installation

1. Remove the cover plate.



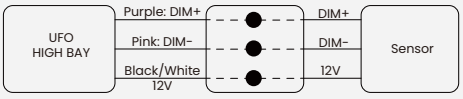
2. Adjust the sensor by rotation.



3. Installation completed.



WIRING DIAGRAM



ACCESSORIES



Plug & Play
Motion Sensor



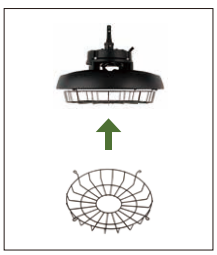
90 Minutes
EM Back-up



90°
Aluminum Cover



90°
PC Cover



Wire Guard



U-Bracket

ORDER INFORMATION

HBUE3-YY-YY-YY-Y

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽

❶ HBUE3 Series UFO High Bay

❷ Wattage

150W	150W/120W/100W
240W	240W/200W/150W
300W	300W

❸ Color Temperature

30K	3000K
40K	4000K
50K	5000K
XXK	4000K/5000K

❹ Voltage

(Blank)	100-277V
H	277-480V

❺ Finish

(Blank)	Black
W	White

❻ Optics

N	60°
M	90°
W	110°

❼ Control

(Blank)	No Socket
S	Sensor Socket
C	Control Module

❽ Options

(Blank)	1.8M cord

WARRANTY PERIOD
5/7/10 YEARS WARRANTY OPTIONS

WARRANTY COVERAGE
LED LIGHT SOURCE, DRIVER

24h
AFTER-SALES SERVICE COMMITMENT
24H RESPONSE

72h
AFTER-SALES SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT