

HBUE SERIES

UFO HIGH BAY

INTRODUCTION

The FGE-HBUE Series High Bay is UL-listed for wet locations, featuring long-life, high-efficiency surface-mount LEDs with a 100,000-hour lifespan, backed by IES LM-80 results and TM-21 calculations for reliable performance in demanding environments.

It offers flexible power select options, with adjustable wattage across multiple configurations: 240W (240W/200W/150W), 200W (200W/150W/100W), 150W (150W/100W/80W), and 100W (100W/80W/50W), allowing precise adaptation to project needs.

It features 0-10V dimming, and an optional reflector is available to improve lighting efficiency by up to 20% and minimize light loss.

Housed in ADC12 die-cast aluminum with a standard black finish (customizable options available), the HUBE combines durability, versatility, and advanced lighting control for commercial and industrial applications.



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.

150lm/W

High Efficacy & Energy Saving: Up to 150 lm/W, reducing energy consumption by over 60% compared with HID fixtures.

0-10V DIMMABLE

Smart Control Ready: Compatible with 0-10V/1-10V dimming, optional microwave/ infrared sensor, and emergency kit.

100,000H LIFE TIME

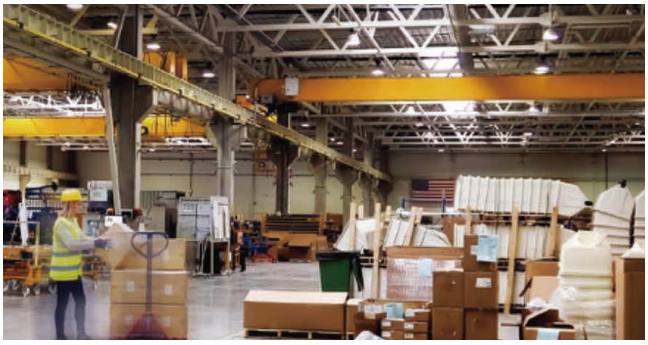
Extended Lifetime: >100,000 hours (L70, TM-21), minimizing maintenance costs.

RELIABLE WARRANTY

Reliable Warranty: 5 Years Warranty.

- **Advanced Optical Design:**
  High-transmittance PC lens with 60° /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:**
  ADC12 die-cast aluminum housing with optimized heat sink for reliable performance.
- **Versatile Mounting Options:**
  Hook, pendant, and chain mounting for flexible installation.
- **Wide Input Voltage:**
  AC120–277V, suitable for global power grids.

APPLICATIONS



Industrial Applications: Ideal for warehouses, factories, and logistics centers, delivering high-rack aisle lighting with exceptional uniformity and energy efficiency. Its durable, flicker-free design ensures safe, reliable illumination for demanding industrial operations, supporting productivity while reducing operational costs.

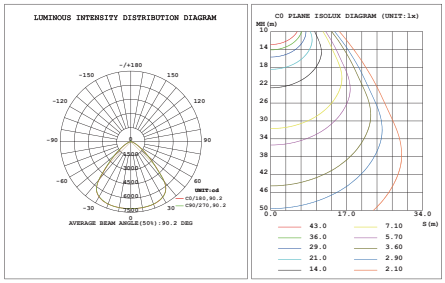


Commercial Applications: Perfect for exhibition rooms, supermarkets, and retail spaces, providing uniform, high-CRI lighting to enhance product displays and customer experiences. With low maintenance and 24/7 reliability, it creates comfortable, visually appealing environments while optimizing energy savings for commercial use.

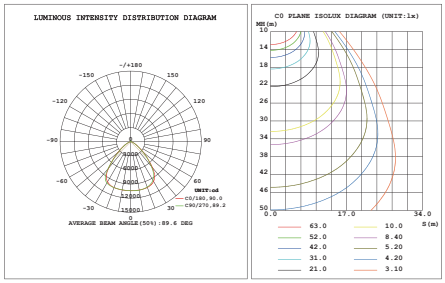
TECHNICAL PARAMETERS

Product Model	HBUE-100W	HBUE-150W	HBUE-200W	HBUE-240W
Electrical Performance				
Wattage Selectable	100W/80W/50W	150W/100W/80W	200W/150W/100W	240W/200W/150W
Input Voltage	AC120–277V	AC120–277V	AC120–277V	AC120–277V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.95	>0.95	>0.95	>0.95
Surge Protection	6KV	6KV	6KV	6KV
THD	<15%	<15%	<15%	<15%
Optical Performance				
Luminous Efficacy	150lm/W	150lm/W	150lm/W	150lm/W
Luminous Flux	15000lm/12000lm/7500lm	22500lm/15000lm/12000lm	30000lm/22500lm/15000lm	36000lm/30000lm/22500lm
CCT	3000K-5000K Options	3000K-5000K Options	3000K-5000K Options	3000K-5000K Options
CRI	Ra>70	Ra>70	Ra>70	Ra>70
Beam Angle	60°/90°/110° Options	60°/90°/110° Options	60°/90°/110° Options	60°/90°/110° Options
Unified Glare Rating (UGR)	<28	<28	<28	<28
Reliability				
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-40 ~ +45°C	-40 ~ +45°C	-40 ~ +45°C	-40 ~ +45°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP65	IP65	IP65	IP65
Impact Resistance	IK08	IK08	IK08	IK08
Control				
Dimming	0–10V/DALI	0–10V/DALI	0–10V/DALI	0–10V/DALI
Sensor	-	-	-	-
Communication Protocol	-	-	-	-
Emergency Kit	-	-	-	-
Mechanical				
Housing Material	ADC12 Die-cast Aluminum	ADC12 Die-cast Aluminum	ADC12 Die-cast Aluminum	ADC12 Die-cast Aluminum
Lens Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Coating	Black	Black	Black	Black
Net Weight	1.5Kg	1.5Kg	1.8Kg	2.1Kg
Dimensions	Φ246mmx133mm	Φ246mmx133mm	Φ288mmx133mm	Φ329mmx137mm
Warranty	5 Years	5 Years	5 Years	5 Years

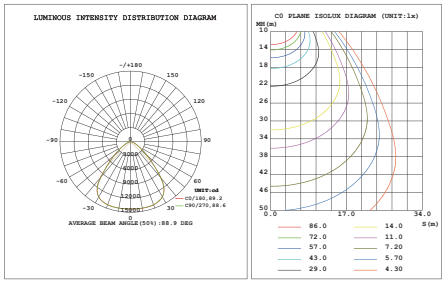
PHOTOMETRICS



100W

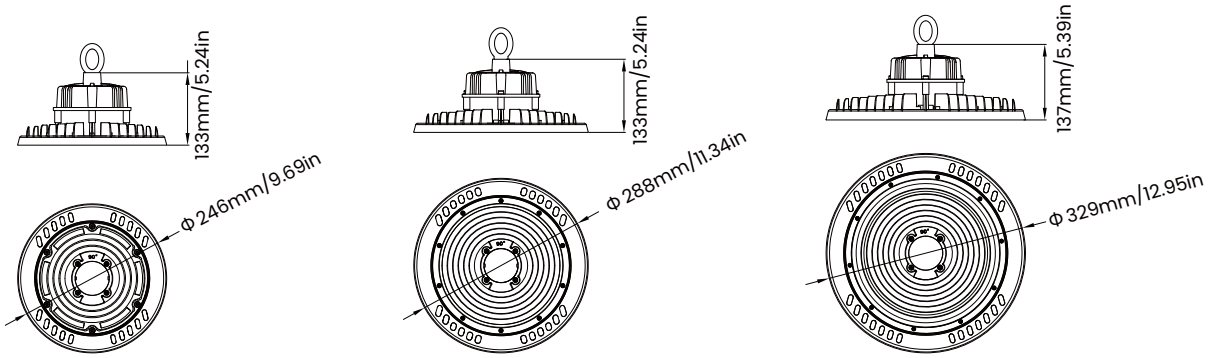


150W



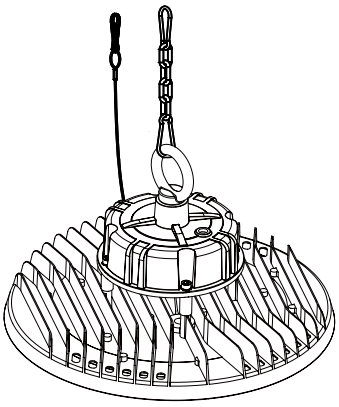
200W/240W

MECHANICAL DIMENSIONS



Product Model	HBUE-100W	HBUE-150W	HBUE-200W	HBUE-240W
Wattage Selectable	100W/80W/50W	150W/100/80W	200W/150W/100W	240W/200W/150W
Outer box (L*W*H)	290x290x147mm (11.42"x11.42"x5.79")	290x290x147mm (11.42"x11.42"x5.79")	323x323x155mm (12.72"x12.72"x6.10")	366x366x155mm (14.41"x14.41"x6.10")
Q'ty/Ctn	1pc	1pc	1pc	1pc
N.W./Ctn	1.5kg/3.3llbs	1.5kg/3.3llbs	1.8kg/3.97lbs	2.1kg/4.63lbs
G.W./Ctn	2.0kg/4.4llbs	2.0kg/4.4llbs	2.3kg/5.07lbs	3.0kg/6.6llbs
Remarks	0.3M cable	0.3M cable	0.3M cable	0.3M cable

INSTALLATION



Ceiling with Loop



ORDER INFORMATION

HBUE-YY-YY-YY-Y

❶ ❷❸ ❹❺ ❻❼ ❽

❶ HBUE Series UFO High Bay

❷ Wattage

100W	100W/80W/50W
150W	150W/100W/80W
200W	200W/150W/100W
240W	240W/200W/150W

❸ Color Temperature

50K	5000K
40K	4000K
30K	3000K

❹ Voltage

(Blank)	120-277V

❺ Dimmable

D	0-10V Dimming

❻ Optics

N	60°
M	90°
W	110°

❼ Options

(Blank)	0.3M cord

WARRANTY PERIOD
5 YEARS WARRANTY

WARRANTY COVERAGE
LED LIGHT SOURCE, DRIVER

AFTER-SALES SERVICE COMMITMENT
24H RESPONSE

AFTER-SALES SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT