



HBUP SERIES

LED HIGH BAY

INTRODUCTION

The FGE-HBUP 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 150 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, ceiling, 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 HBUP offers a highly reliable, low-maintenance lighting solution tailored to modern industrial needs.



FEATURES



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



CCT Tunable: Adjustable color temperature to suit diverse environments.



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



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



PIR/Microwave Sensor Options: Smart motion sensing for energy saving and extended lifespan.



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



Extended Lifetime: >100,000 hours minimizing maintenance costs.



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

- Advanced Optical Design:

High-transmittance PC lens with 30° / 60° / 90° beam options, ensuring uniform illumination and glare reduction.

- Robust Protection:

IP65 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

- Superior Thermal Management:

Aluminum alloy housing with optimized heat sink for reliable performance.

- Versatile Mounting Options:

Hook, ceiling, and bracket mounting for flexible installation.

- Wide Input Voltage:

AC120-277V / AC277-480V, suitable for global power grids.

APPLICATIONS



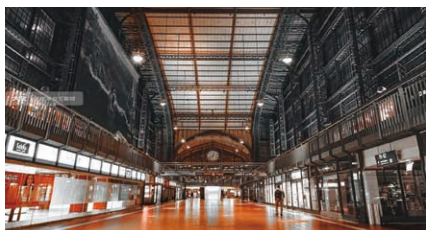
Warehouses & Logistics Centers: High-rack aisle lighting with high uniformity and energy efficiency.



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.



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



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

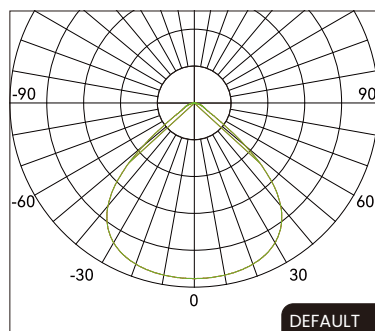


Commercial Complexes & Showrooms: Large retail stores and automobile showrooms with functional and presentation lighting needs.

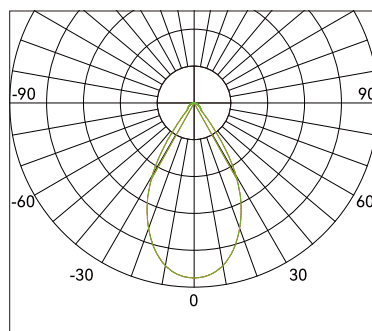
TECHNICAL PARAMETERS

Product Model	HBUP-500W
Electrical Performance	
Wattage Selectable	500W/400W/300W
Input Voltage	AC120-277V/277-480V
Frequency	50/60Hz
Power Factor (PF)	>0.95
Surge Protection	6KV L-N, 6KV L/N-E
THD	<20%
Optical Performance	
Luminous Efficacy	150lm/W
Luminous Flux	75000lm/60000lm/45000lm
CCT Selectable	4000K/5000K
CRI	Ra>80
Beam Angle	30°/60°/90°
Unified Glare Rating (UGR)	<28
Reliability	
Lifetime	>100,000h, L70 @25°C
Operating Temperature	-40 ~ +50°C
Storage Temperature	-40 ~ +70°C
Ingress Protection	IP65
Impact Resistance	IK08
Control	
Dimming	0-10V/DALI
Sensor	PIR/Microwave Sensor
Communication Protocol	-
Emergency Kit	-
Mechanical	
Housing Material	Aluminum Alloy
Lens Material	Polycarbonate
Coating	Black(RAL9017)
Net Weight	6.55kg
Dimensions	Ø450x269mm
Warranty	5/7/10 Years

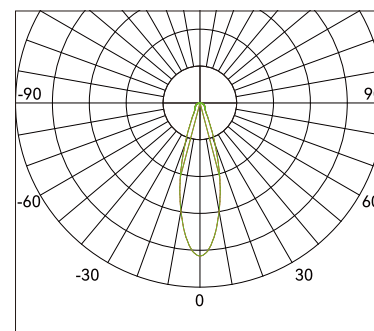
PHOTOMETRICS



Symmetrical 90°

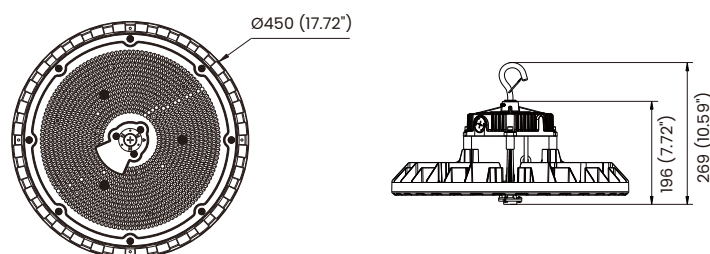


Symmetrical 60°



Symmetrical 30°

MECHANICAL DIMENSIONS

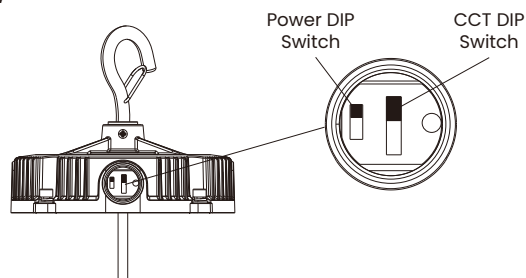


Product Model	HBUP-500W
Wattage Selectable	500W/400W/300W
Outer box (L*W*H)	490x490x235mm (19.29"x19.29"x9.25")
Q'ty/Ctn	1pc
N.W./Ctn	6.55kg/14.44lbs
G.W./Ctn	8.4kg/18.52lbs
Remarks	1.8M cable

INSTALLATION

Factory set: 100% brightness, 5000K

500W



Power	CCT
100%	CW
80%	NW
60%	

Power Selectable

Power Percentage	500W
100%	500W
80%	400W
60%	300W

* The tolerance for power is ±10%

CCT Selectable

CW: 5000K NW: 4000K

ACCESSORIES



Ceiling Bracket



Three Fourths
NPT Bracket



Microwave
Motion Sensor



PIR Sensor

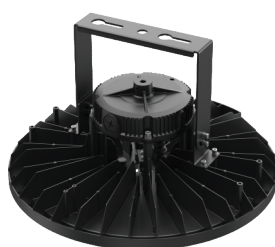


Remote Controller for
HD07VR-MH/HD07VR-PH

MOUNTING OPTIONS



Hook Mounting



Ceiling Mounting



3/4" NPT Conduit Mounting

ORDER INFORMATION

HBUP-YY-YY-YY

1 2 3 4 5 6 7

1 HBUP Series LED High Bay

2 Wattage

500W	500W/400W/300W
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3 Color Temperature

40K	4000K
50K	5000K

4 Voltage

(Blank)	120-277V
H	277-480V

5 Optics

N	30°
M	60°
W	90°

6 Control

(Blank)	No Socket
S	Sensor Socket
C	Control Module

7 Options

(Blank)	1.8M cord
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WARRANTY PERIOD
5/7/10 YEARS
WARRANTY OPTIONS



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT