



HBE SERIES

LINEAR HIGH BAY

INTRODUCTION

Designed specifically for long, narrow high-ceiling spaces in industrial and commercial settings—such as assembly lines, warehouses with narrow aisles, logistics hubs, and large retail showrooms—the FGE-HBE Series Linear High Bay redefines efficient, uniform lighting for elongated areas.

Integrating high-performance LED chips and optimized linear optical lenses, this fixture delivers an exceptional luminous efficacy of up to 170 lm/W, ensuring consistent, glare-free illumination across the entire length of the space. Unlike traditional bulky high bays that often create uneven light distribution in narrow zones, its linear form factor eliminates dark spots and shadow gaps, enhancing visibility for tasks like product inspection, material handling, and equipment operation—while cutting energy costs by up to 65% compared to outdated fluorescent or metal halide linear fixtures.



NOM **CE** **RoHS** **IP65** **IK08**

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.



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.



Multiple Optical Lens Options: 6 beam angle options (rectangular beam angle for aisle in warehouse; Symmetric beam angle for open space)



QUICK & EASY

Easy Installation and Maintenance:

Reduce installation time and maintenance labor, effectively lowering overall operational costs.



Field Replaceable Lens: >100,000 hours (L70, TM-21), minimizing maintenance costs.



Various Mounting Options: Reduce maintenance and time costs. Flexibly adapt to changes in scenario needs.



RELIABLE
WARRANTY

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

- Advanced Optical Design:

High-transmittance PC lens with 30x70°, 90°, 120° 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.

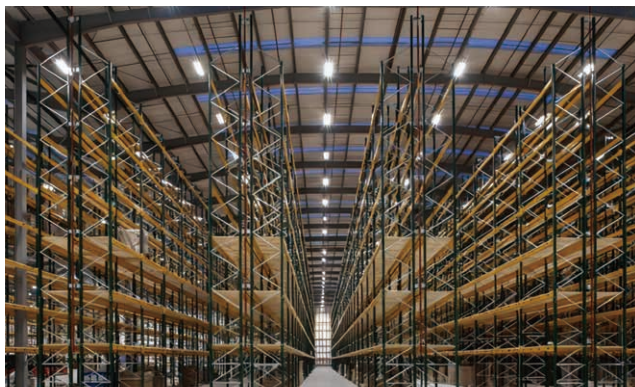
- Versatile Mounting Options:

Suspension, ceiling, rotatable bracket mounting for flexible installation.

- Wide Input Voltage:

AC100–277V, suitable for global power grids.

APPLICATIONS



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

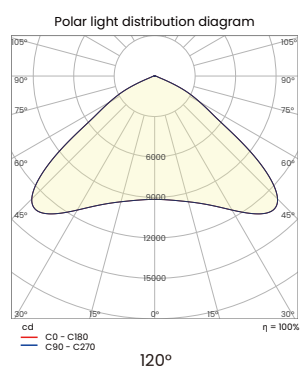
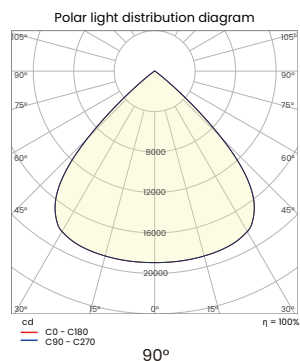
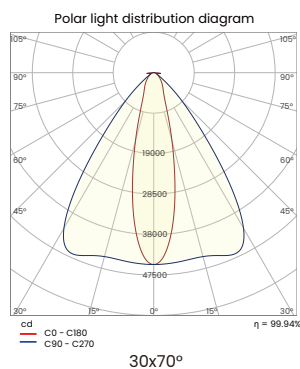


Tennis Court: Flexible mounting option provides optimal lighting accuracy.

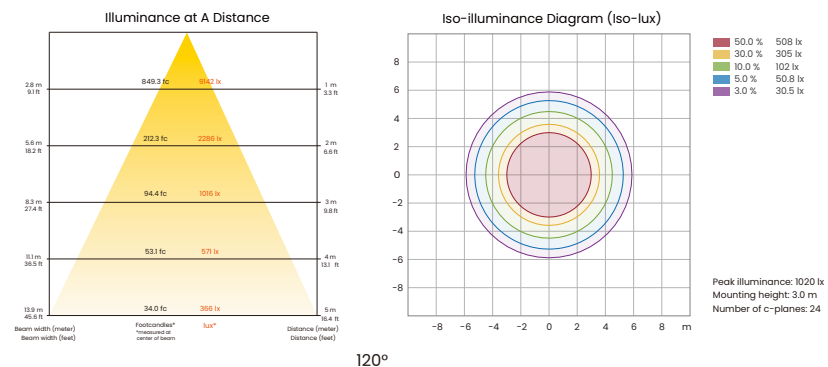
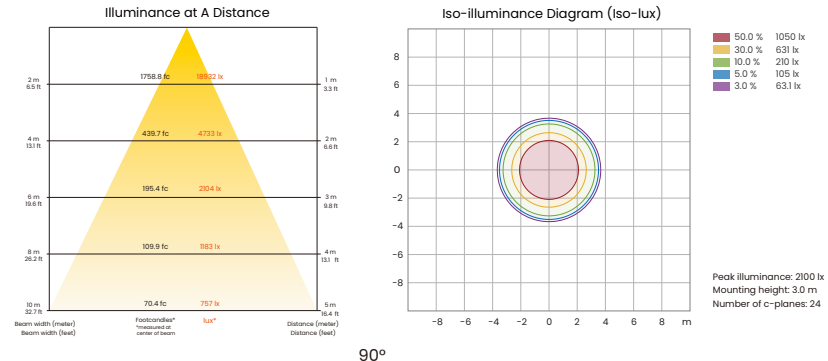
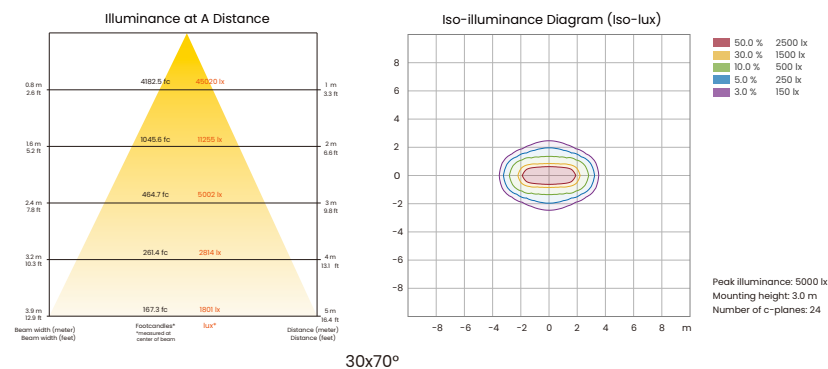
TECHNICAL PARAMETERS

Product Model	HBE-50W	HBE-200W
Electrical Performance		
Wattage Selectable	50W	200W/150W/100W
Input Voltage	AC100-277V	AC100-277V
Frequency	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9
Surge Protection	6KV	6KV
THD	<20%	<20%
Optical Performance		
Luminous Efficacy	150lm/W	170lm/W
Luminous Flux	7500lm	34000lm/25500lm/17000lm
CCT Selectable	3000K/4000K/5000K	3000K/4000K/5000K
CRI	Ra>70	Ra>70
Beam Angle	30x70°, 90°, 120°	30x70°, 90°, 120°
Unified Glare Rating (UGR)	<28	<28
Reliability		
Lifetime	>142,000h, L70 @25°C	>142,000h, L70 @25°C
Operating Temperature	-30 ~ +50°C	-30 ~ +50°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP65	IP65
Impact Resistance	IK10	IK08
Control		
Dimming	1-10V/DALI	0-10V/DALI
Sensor	Without sensor socket	Motion Sensor
Communication Protocol	-	Bluetooth/Zigbee/LoRa
Emergency Kit	-	-
Mechanical		
Housing Material	Aluminum	Aluminum
Lens Material	Polycarbonate	Polycarbonate
Coating	Black	Black
Net Weight	1.9±0.3kg	3.4±0.3kg
Dimensions	280x137x102mm	1033x102x100mm
Warranty	5/7/10 Years	5/7/10 Years

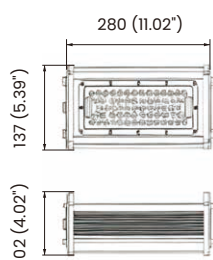
PHOTOMETRICS



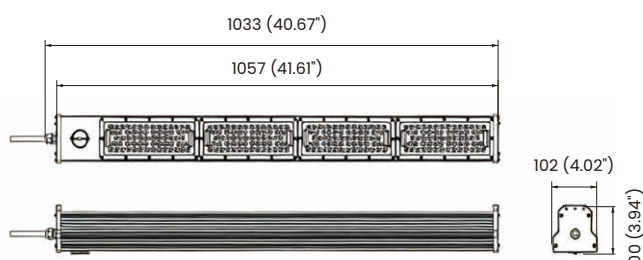
ILLUMINANCE DISTRIBUTION



MECHANICAL DIMENSIONS



50W

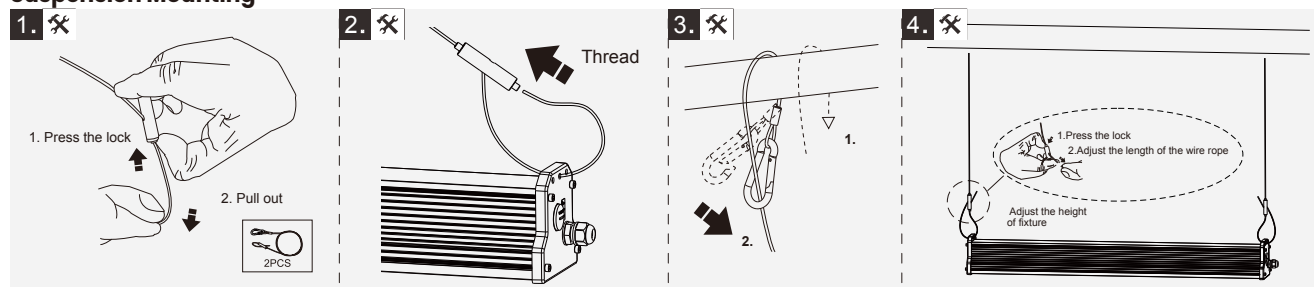


200W/150W/100W

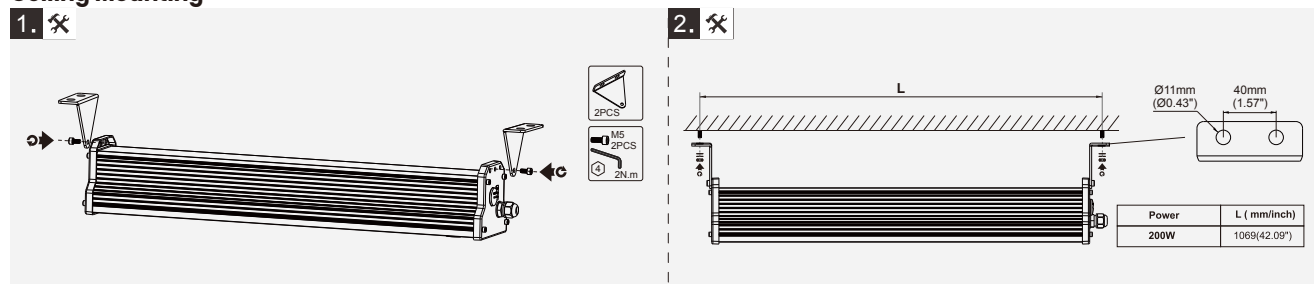
Product Model	HBE-50W	HBE-200W
Wattage Selectable	50W	200W/150W/100W
Outer box (L*W*H)	350x200x160mm (13.78"x7.87"x6.20")	1030x125x125mm (40.55"x4.92"x4.92")
Q'ty/Ctn	1pc	1pc
N.W./Ctn	2.3kg/5.1lbs	3.4kg/7.48lbs
G.W./Ctn	3kg/6.6lbs	4.2kg/9.24lbs
Remarks	1.8M cable	1.8M cable

INSTALLATION

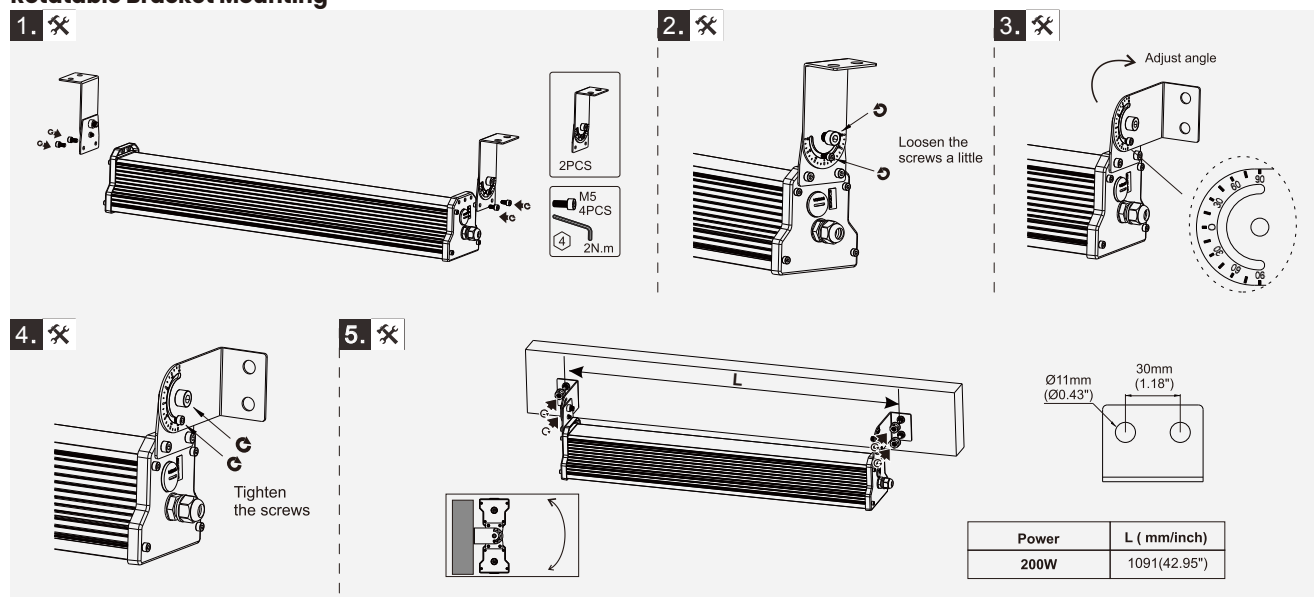
Suspension Mounting



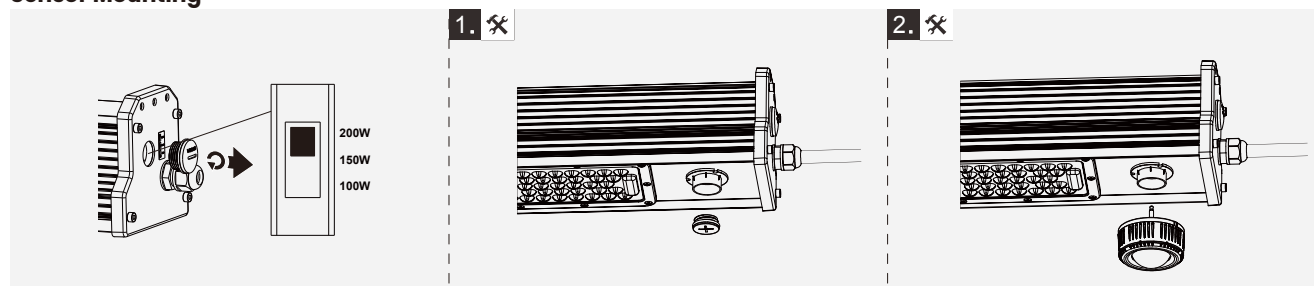
Ceiling Mounting



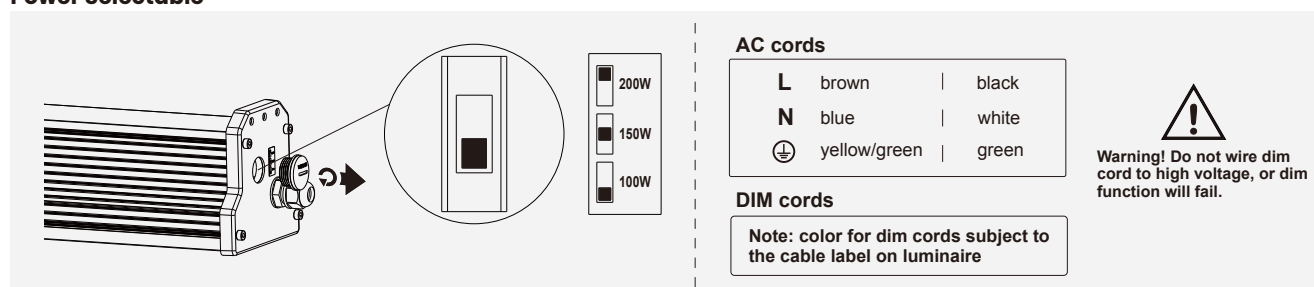
Rotatable Bracket Mounting



Sensor Mounting

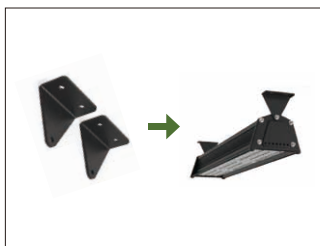


Power Selectable

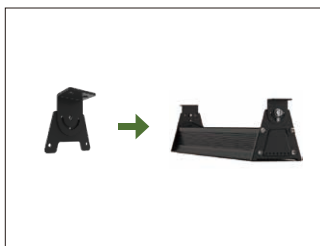


ACCESSORIES

50W Accessories

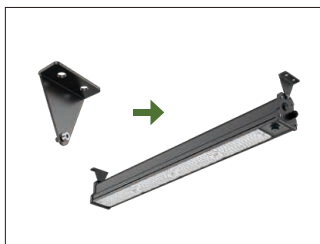


Ceiling Mount Bracket

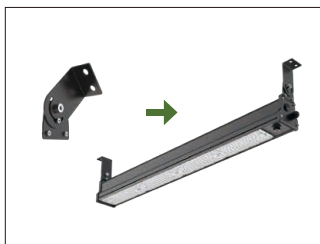


±50° Adjustable Bracket

200W Accessories



Ceiling Mount Bracket



±90° Adjustable Bracket



Zhaga Microave Motion Sensor



Zhaga PIR Motion Sensor



CASAMBI Ready Wireless
for ZHAGA Receptacle



Remote Controller
for HD06VCRH 7B/7C

ORDER INFORMATION

HBE-YY-YY-YY-Y

1 2 3 4 5 6 7 8

1 HBE Series Linear High Bay

2 Wattage

50W	50W
200W	200W/150W/100W

3 Color Temperature

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

4 Voltage

(Blank)	100-277V
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5 Dimmable

D	0-10V Dimming
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6 Optics

(Blank)	120°
1	30x70°
2	90°

7 Control

(Blank)	No Socket
S	Sensor Socket
C	Control Module

8 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