



HBL II SERIES

ADJUSTABLE LINEAR HIGH BAY

INTRODUCTION

The FGE-HBL II Series Linear Adjustable Linear High Bay is a high-performance lighting fixture designed for high-ceiling environments. Combining modern industrial aesthetics with advanced optical design, it delivers stable, uniform and energy-saving illumination for diverse large-area applications.

Constructed with rugged galvanized steel housing for optimized heat dissipation and long-term reliability. Its adjustable linear structure offers well-distributed light along rack aisles, ideal for warehouses, logistics hubs, workshops, retail stores, gyms and exhibition halls.

It supports multiple mounting ways including chain suspension, surface and pendant installation. Standard 0–10V dimming, 12V DC auxiliary control and optional bi-level sensor are available, fully complying with DLC networked lighting control requirements.



FEATURES



WATTS
SELECTABLE

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



SENSOR

Factory Built-in Sensor Options: Provides smart lighting control to improve energy efficiency and convenience.



CCT
SELECTABLE

CCT Tunable: Adjustable color temperature to suit diverse environments.



EMERGENCY
BACKUP

90 Minutes EM Back-up Options: Ensuring safety and visibility during critical moments.



150lm/W

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



RELIABLE
WARRANTY

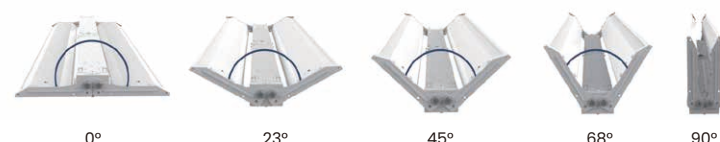
Reliable Warranty: 5 / 7 / 10 Years Warranty Options.



0-10V
DIMMABLE

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

Mechanical Flexibility: Multi-angle foldable design adapts to various lighting layouts and scenarios.



- Advanced Optical Design:

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

- Robust Protection:

IK08 impact resistance for harsh industrial environments.

- Superior Thermal Management:

Rugged galvanized steel housing with optimized heat dissipation ensures long-term reliability and stable light output.

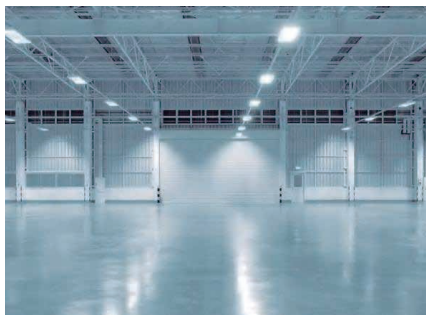
- Versatile Mounting Options:

Chain, pendant, and surface mounting for flexible installation.

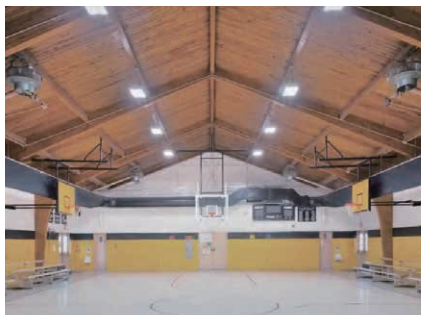
- Wide Input Voltage:

AC120–277V, AC120–347V, AC277–480V suitable for global power grids.

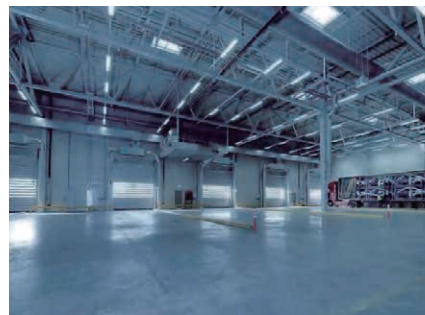
APPLICATIONS



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



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



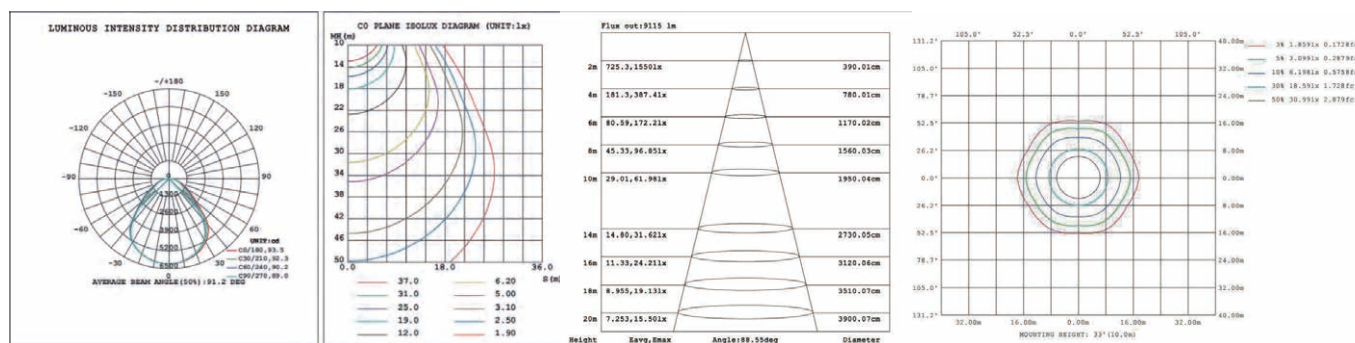
Industrial Plants & Manufacturing Workshops: High-bay environments resistant to dust, vibration, and temperature variations.

TECHNICAL PARAMETERS

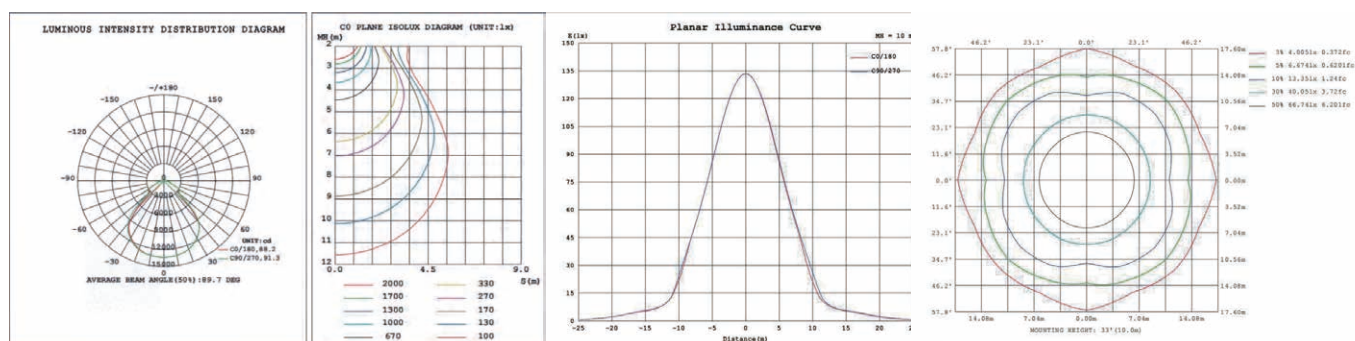
Product Model	HBLII-165W	HBLII-220W	HBLII-300W
Electrical Performance			
Wattage Selectable	165W/130W/110W/80W/60W	220W/180W/165W/110W/80W	300W/225W/165W/110W/80W
Input Voltage	AC120-277V/AC120-347V/AC277-480V	AC120-277V/AC120-347V/AC277-480V	AC120-277V/AC120-347V/AC277-480V
Frequency	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9	>0.9
Surge Protection	4KV	4KV	4KV
THD	<20%	<20%	<20%
Optical Performance			
Luminous Efficacy	150lm/W	150lm/W	150lm/W
Luminous Flux	24750lm/19500lm/16500lm/12000lm/9000lm	33000lm/27000lm/24750lm/16500lm/12000lm	45000lm/33750lm/24750lm/16500lm/12000lm
CCT Selectable	3500K/4000K/5000K	3500K/4000K/5000K	3500K/4000K/5000K
CRI	Ra>70	Ra>70	Ra>70
Beam Angle	90°	90°	90°
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 ~ +45°C	-40 ~ +45°C	-40 ~ +45°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP20	IP20	IP20
Impact Resistance	IK08	IK08	IK08
Control			
Dimming	0-10V/DALI	0-10V/DALI	0-10V/DALI
Sensor	Mircowave / Pir Sensor	Mircowave / Pir Sensor	Mircowave / Pir Sensor
Communication Protocol	Bluetooth	Bluetooth	Bluetooth
Emergency Kit	30W/40W Battery Backup	30W/40W Battery Backup	30W/40W Battery Backup
Mechanical			
Housing Material	Cold-rolled Steel	Cold-rolled Steel	Cold-rolled Steel
Lens Material	PMMA	PMMA	PMMA
Coating	White	White	White
Net Weight	5.20kg	5.44kg	7.14kg
Dimensions	600.46x318.51x46.99mm	600.46x318.51x46.99mm	892.04x318.51x46.99mm
Warranty	5/7/10 Years	5/7/10 Years	5/7/10 Years

PHOTOMETRICS

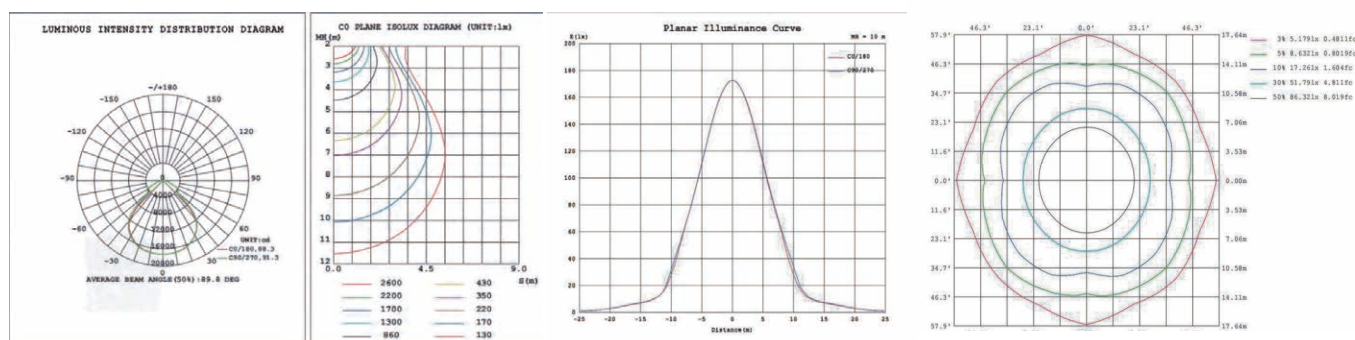
165W



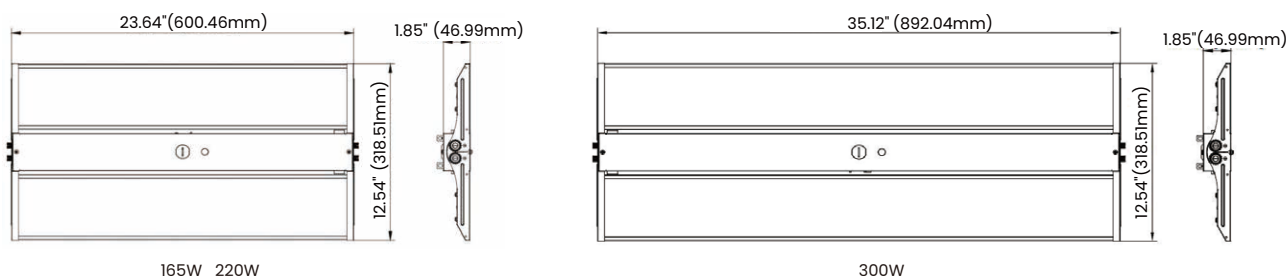
220W



300W



MECHANICAL DIMENSIONS

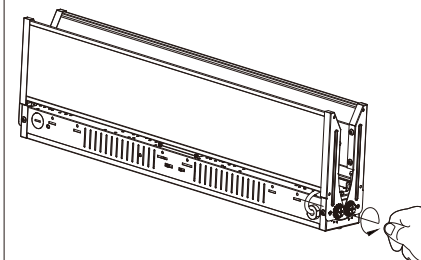


Product Model	HBLII-165W	HBLII-220W	HBLII-300W
Wattage Selectable	165W/130W/110W/80W/60W	220W/180W/165W/110W/80W	300W/225W/165W/110W/80W
Outer box (L*W*H)	628x186x202mm (24.72"x7.32"x7.95")	628x186x202mm (24.72"x7.32"x7.95")	921x186x202mm (36.26"x7.32"x7.95")
Q'ty/Ctn	2pcs	2pcs	2pcs
N.W./Ctn	5.20kg/11.46lbs	5.44kg/11.99lbs	7.14kg/15.74lbs
G.W./Ctn	5.80kg/12.79lbs	5.89kg/12.99lbs	8.10kg/17.86lbs
Remarks	-	-	-

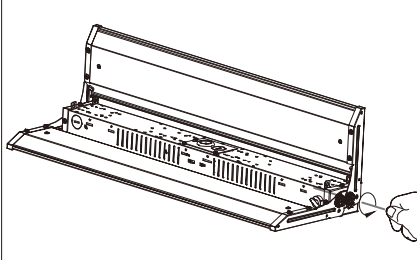
INSTALLATION

Chain Installation

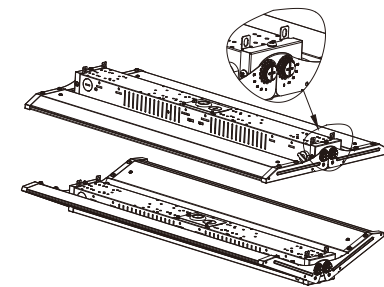
1. Loosen the screws at both ends counterclockwise with bare hands, as shown below.



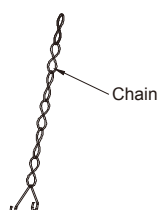
2. Loosen the other two screws counterclockwise with your bare hands, as shown below.



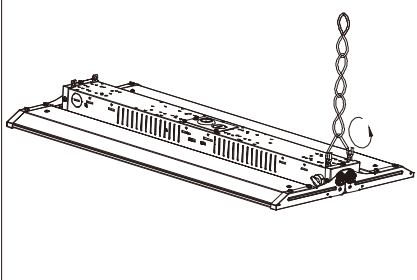
3. Adjust the desired Angle and tighten the screws, as shown below.



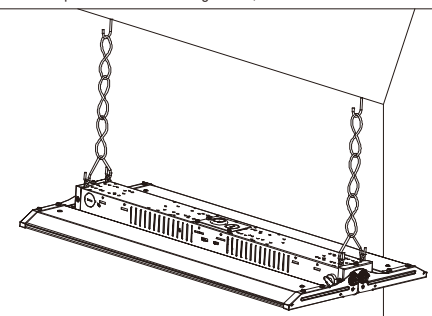
4. Hook the chain as below pic, as shown below.



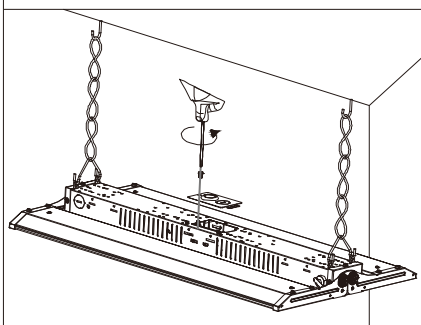
5. Insert the hook into the slotted holes, as shown below.



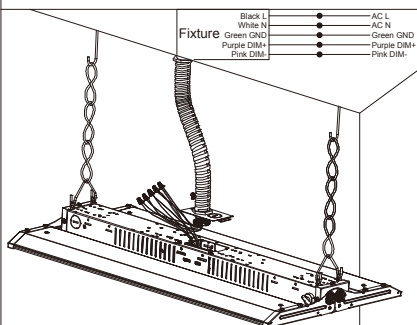
6. Hook up the chain on the ceiling anchor, as shown below.



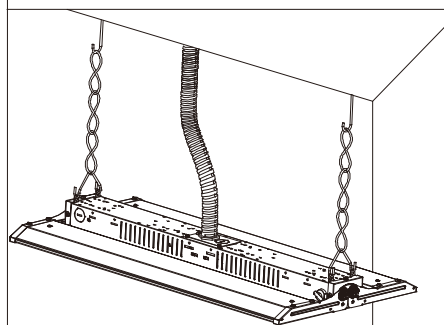
7. Use a power tool to loosen the screws and remove the cover, as shown below.



8. Turn off power, and make wiring connections with terminal cap (see wiring instruction below), as shown below.

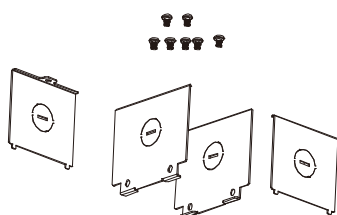


9. Insert the terminal cap and wires into the driver box. Insert the wire terminal joint to the wire entry, installation completed, as shown below.

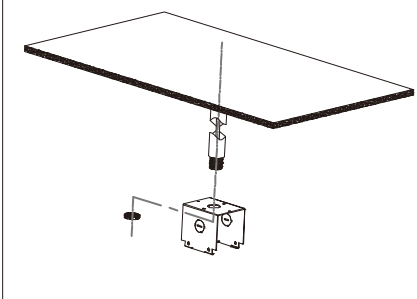


Pendant Mount Installation

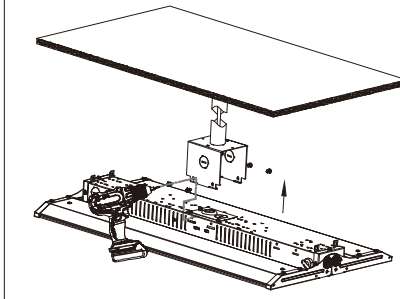
1. Check the installation accessories, as shown below.



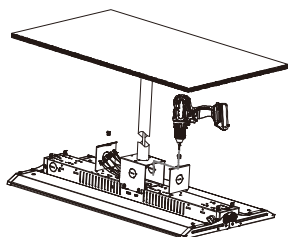
2. Install the fittings on the boom and tighten them with nuts, as shown below.



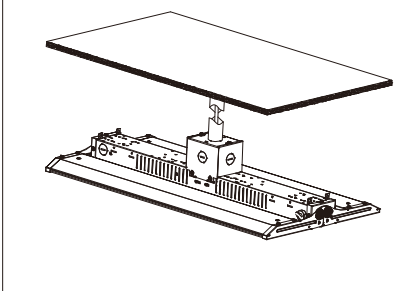
3. The Fixture is fastened into the mounting fitting and then secured with screws, as shown below.



4. Turn off power, and make wiring connections with terminal cap (see wiring instruction below). The side covers of the mounting fittings are fixed to the mounting fittings and secured by screws, as shown below.



5. The installation is complete, as shown below.



Surface Mount Installation

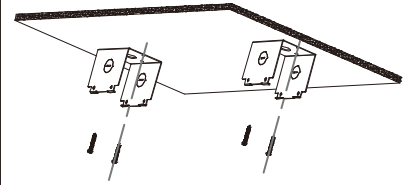
1. Drill the alignment holes on the top ceiling, make them match to the holes on mounting bracket, as shown below.



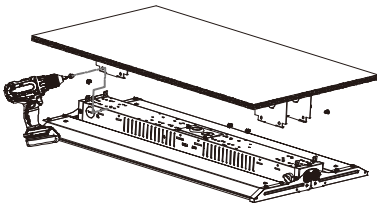
2. Screw the anchors to holes on ceiling respectively, as shown below.



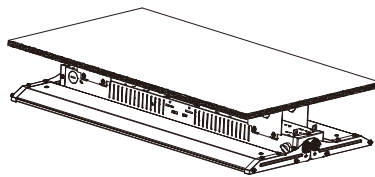
3. Screw the bracket to the ceiling, as shown below.



4. Attach the lamp to the hook fitting, as shown below.

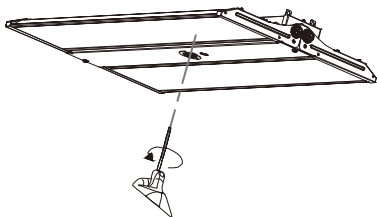


5. The installation is complete, as shown below.

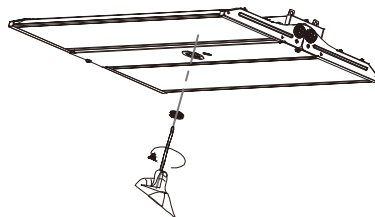


Sensor Installation

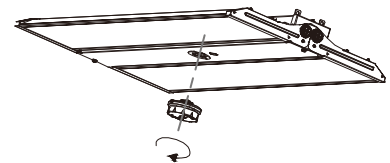
1. The screwdriver unscrews the plug on the sensor base, as shown below.



2. Remove the plug screw, as shown below.



3. Screw the sensor into the base, as shown below.



4. Sensor installation completed, as shown below.



ACCESSORIES



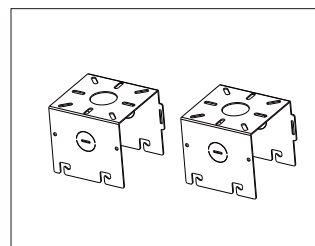
Chain Mount



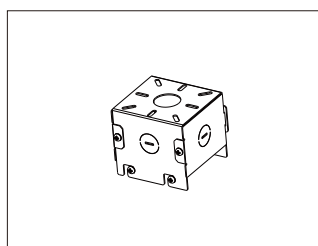
Microwave Sensor



Pir Sensor



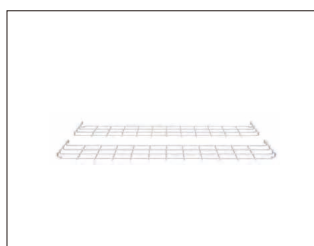
SFM



JBM



Emergency Driver



Wire Guard



Remote Controller

ORDER INFORMATION

HBL II-YY-YY-YY

①
② ③
④ ⑤
⑥ ⑦

① HBL II Series Adjustable Linear High Bay

② Wattage

165W	165/130/110/80/60W
225W	220/180/165/110/80W
300W	300/225/165/110/80W

③ Color Temperature

40K	4000K
50K	5000K
XXK	4000K/5000K
TCP	3500K/4000K/5000K

④ Voltage

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

⑤ Dimmable

D	0-10V Dimming
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⑥ Optics

(Blank)	90°
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⑦ Control

(Blank)	Sensor Socket
A	PIR Sensor
B	MS Sensor
C	BRT Sensor
D	PHB Sensor



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