

HIGH BAY: HB

DATASHEET



HB series is highly efficient and reliable LED high bay. With very high system efficiency 140 Lm/W thanks to the state-of-the-art LED technology. It offers flexible options in optics, powers, control, accessories and mounting. HB series high bay provides safe, appropriate and secure lighting experience in industrial application and it is the smart choice for any new or retrofit installations.

Advantage

- Die-cast aluminum, efficient heat dissipation.
- Back-fin design for better cooling.
- Various photometric options.
- Various installation options.

Application

- Workshops
- assembly line
- Public indoor areas (airports, stations)
- Logistics storage

Features

- Power: 100W - 240W
- CCT: 3000K - 5700K
- Efficiency: 150Lm/W
- IP65, IK08
- warranty 5 years
- CB, CE





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Specification Information

- Optical parameters**

Model No.	HB1-100W	HB2-150W	HB3-200W	HB3-240W
Power	100W	150W	200W	240W
Lumen	14000Lm	21000Lm	28000Lm	33600Lm
Efficiency	140Lm/W*			
CCT	3000K, 4000K, 5700K			
CRI (Ra)	≥70			
SDCM	≤6			
Beam angle	60°, 90°			

- Electrical parameters**

Input voltage	AC100-240V 50/60Hz
Power Factor	> 0.95
Surge Protection	L-N:5KV , L/N-G:10KV
Dimmable	0-10V, PWM, Timer dimming (optional)

- Mechanical parameters and key materials**

Housing	ADC12 die-cast aluminum, surface spray color: RAL9023 gray
Cover Lens	UV-resistant PC
LED Brand/Model	EDISON 2835
LED Driver	MOSO

- General parameters**

Mounting	Hoisting, (optional) pole mounting, (optional) bracket mounting
Operating Temperature	-20 ~ +45°C
Storage Humidity	10% ~ 85%
Protection	IP65, IK08
Electric class	Class I
Warranty	5 years
Lumen Maintenance	50,000 hours at L70
Certification	CE, CB

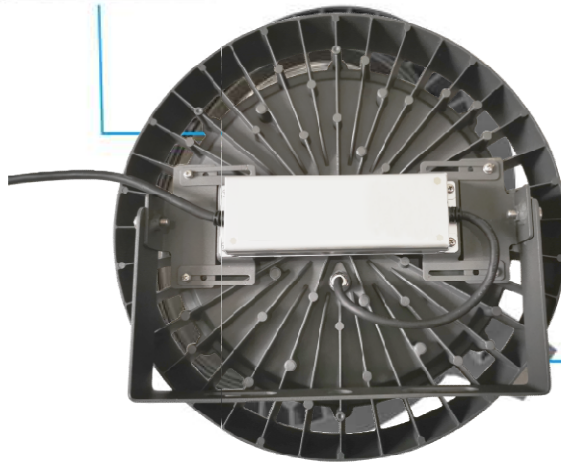
*Efficiency rated at CCT above 4000K

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual

Features



PHOTOMETRIC OPTION



VERSATILE MOUNTING AND APPLICATION



THERMAL DESIGN

Accessories optional



Rod-mounted adaptor

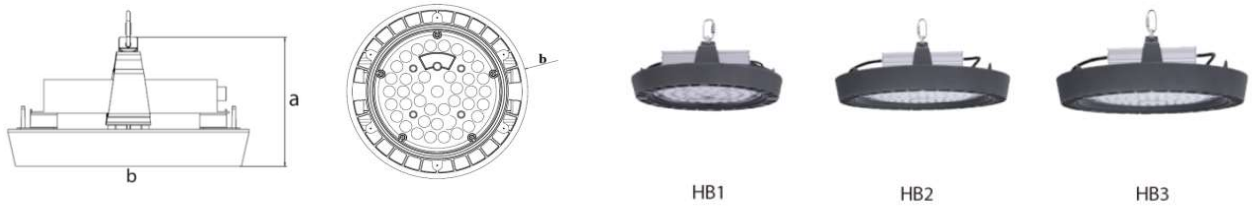


Ceiling bracket



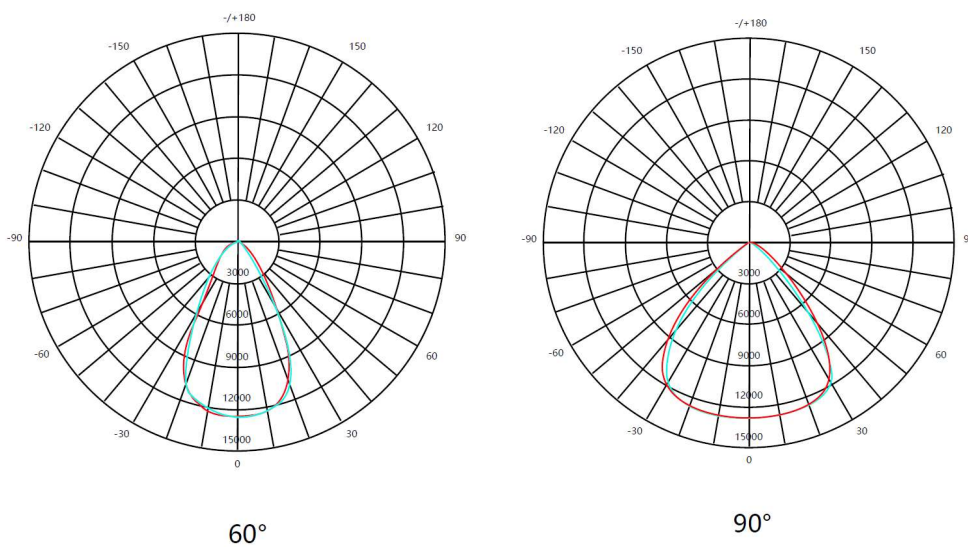
Anti-glare reflector

Dimensions



Model No.	HB1	HB2	HB3
a	140mm	140mm	145mm
b	270mm	300mm	400mm

Light distribution

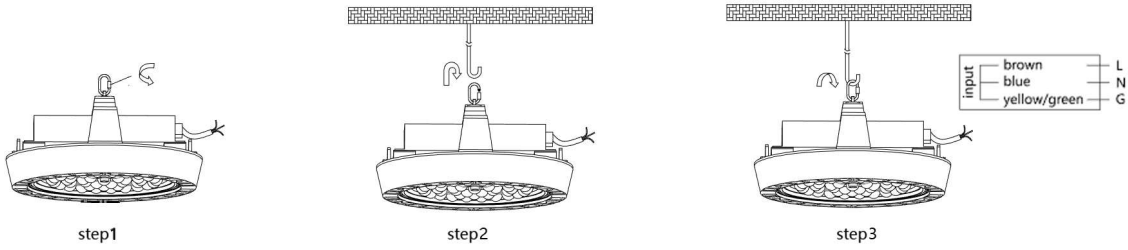


Packaging Information

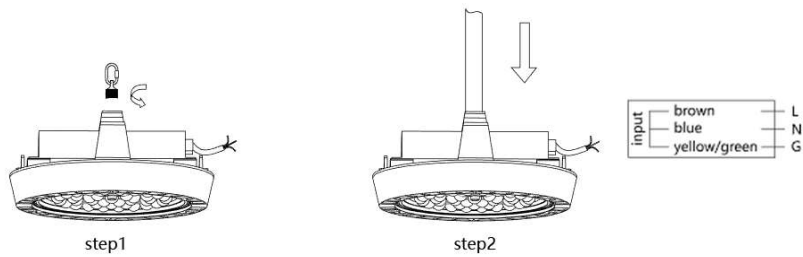
Model No.	HB1	HB2	HB3
Package dimension (mm)	310x310x180	340x340x180	440x440x180
N. Weight (kg)	2.45	2.83	4.24
G. Weight((kg)	2.9	4.4	5
Packing	1pc/carton	1pc/carton	1pc/carton

User manual

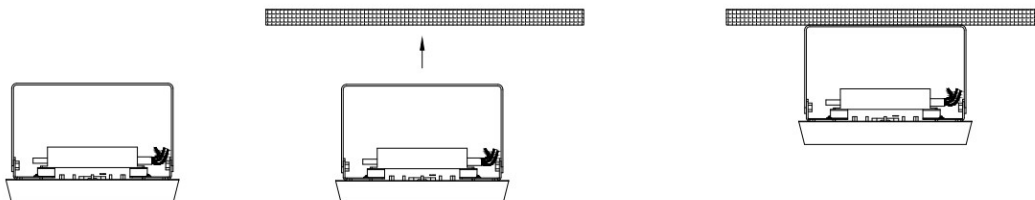
Accessories installation (Rings)



Use pole hoisting



Accessories installation (Top mount bracket)



Revision History

Versions	Description	Release Date
1.0	NEW	2023/10/30

About EdisonOpto

Edison Opto provides comprehensive LED and solid-state lighting products from LED Component, Light Module, UV / IR LED, LED sensing, Horticulture and Automotive Lighting. With a view to improve R&D process, Edison Opto develops the vertical platform on **TEMOTM** (Thermal. Electrical. Mechanical. Optical) to ensure the quality of products and services; Furthermore, Edison Opto creates **LDMSTM** (Lighting Design Manufacturing Service) from light source to luminaire manufacturing, to serve our customers a quality experience of customized solutions.



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