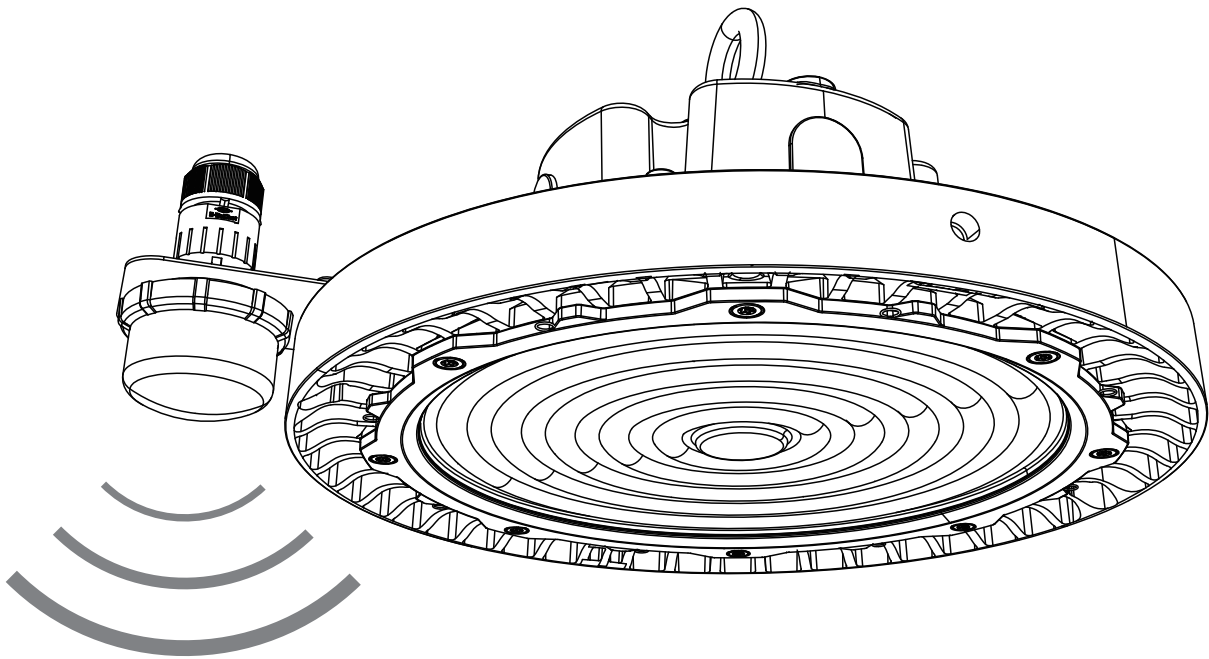


LED HIGH BAY

Product Specification

Version-A1-20220120



HBL-Ex Series(with Non-isolation Driver)

Intelligent and Efficient LED High Bay Light

HBL-Ex series is a new design concept of LED high bay lights, with patent designed and perfect of safety, energysaving, reliable and intelligent control. The systematic combination design of LED chips & heating makes the products have the competitive cost, long useful life and and low maintenance.

Lightweight design for easy installation and application; Excellent heat dissipation design, Self - cleaning and dustproof design to extend more application places.



Product Features

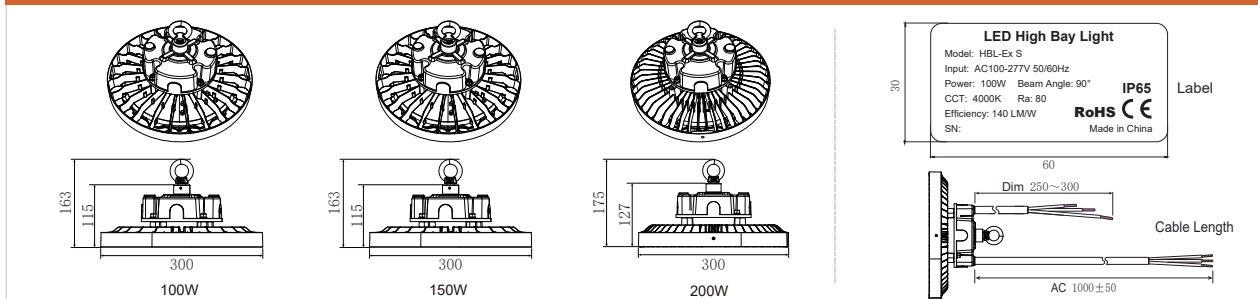
- 3 Options of luminous efficiency: 140LM/W(Ra80), 175LM/W (Ra80), 190LM/W (Ra70)
- Beam Angle for choose: 60°/90°/120°
- Wide input voltage meets different markets: 90 - 305VAC
- Operating Temperature Range: - 40~50°C (- 40~122°F)
- LED Lifespan: 50000H
- IP65 Waterproof Rating
- Controller model for choose: Single Microwave constant illumination; Group Microwave constant illumination+RF(868MHz)
- Installation mode options: Hook/Bracket Mount
- DIY follow up your needs: LED chips, Heat Sink and Driver
- SCP/OVP/OTP protection driver
- Controller outside for option



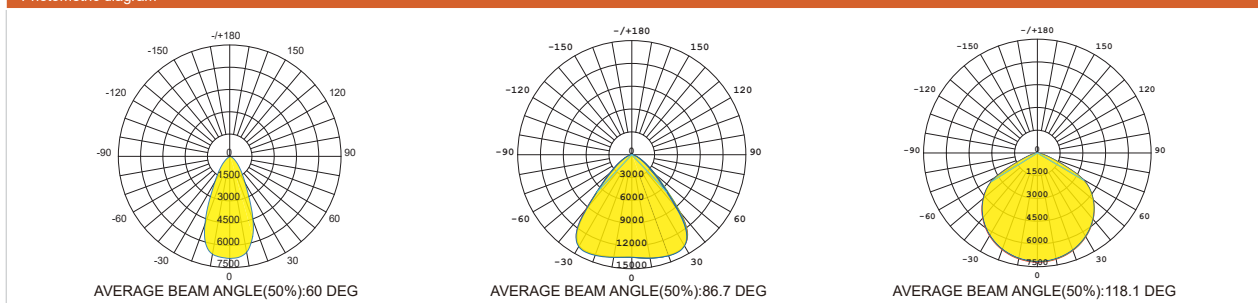
Product Code	HBL-Ex S	HBL-Ex M	HBL-Ex L
Power	100W	150W	200W
Input Voltage	90-305VAC		
Input Current	0.45A/220VAC	0.68A/220VAC	0.91A/220VAC
PF	>0.95/220VAC		
Dimming (Optiona I)	3 in 1 dimming (PWM, 1-10V, Resistor) or Microwave sensor 3 in 1 dimming (PWM, 1-10V, Resistor) supports turn-off or Microwave sensor		
12VDC Dimming	12VDC±10%, Max.0.6W, Max.50mA Turn-off driver of 12VDC±10%, Max.2.4W, Max.200mA (Dimming: outside controller or inside microwave controller for optional, only one can use 12V)		
High Ra80,Luminous Flux Efficiency	17500LM 175LM/W±10%	26250LM 175LM/W±10%	35000LM 175LM/W±10%
High Ra70,Luminous Flux Efficiency	19000LM 190LM/W±10%	28500LM 190LM/W±10%	38000LM 190LM/W±10%
CCT	4000K / 5000K / 5700K		
Beam Angle	60° 90° 120°		
Operation Temp & Humidity	-40~50 C , 20~95%RH No condensation		
Storage Temp & Humidity	-40~85 C , 10~95%RH No condensation		
Life Span	50000Hours		
Surge	6KV / 10KV		
IP/ IK Class	IP65 / IK08		
Cer tificate	ETL, CB, CE, PSE, SAA, ROHS2.0		
Lamp Body Color	Housing: Die-casting Aluminum Color: Black (RAL9005) Lens: PC		
Installation mode	Hook /Bracket Mount (reference the Installation Manual)		
Product Warranty	5years		

Note: When doing electric strength (hi-pot) testing, to prevent the internal gas discharge tube from conducting, the end-cap should be removed temporarily from the "GDT ground"(nut and metal lock sheet) on the driver (refer to IEC 60598-1 Clause 10.2). After testing is completed, these items must be reinstalled to restore the surge protection and ensure the reliable contact between the metal lock plate and the end cover.

Product Dimensions (mm)



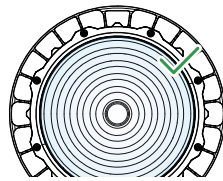
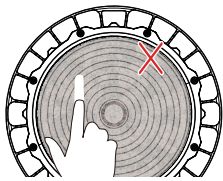
Photometric diagram



HBL-Ex Series(with Non-isolation Driver)

Product Code	Power	Dimming	Beam Angle	Color Temp.	CRI	Light Efficiency	Net Weight(Kg)	Gross Weight(Kg)
HBL-Ex S	100W	Yes	60/90/120	4000K/5000K/5700K	80	140/175	2.6	3.2
					70	190		
HBL-Ex M	150W	Yes	60/90/120	4000K/5000K/5700K	80	140/175	2.6	3.2
					70	190		
HBL-Ex L	200W	Yes	60/90/120	4000K/5000K/5700K	80	140/175	2.9	3.6
					70	190		

Like Warm And Prompt

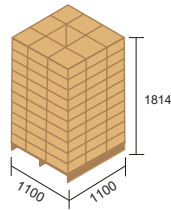
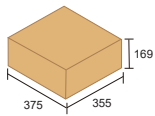


A periodic inspection and maintenance plan should be established in accordance with environmental and other relevant factors affecting the long term luminaire/equipment operation and secure mounting.

A secondary fall arrest kit is recommended for all suspended luminaires/equipment.

Container Volume Calculation

Unit: mm



QTY of containers installed	Unit PCS			
	Pallets(1100×1100×120mm)	Container	20GP	40GP
HBL-Ex S	Product Qty: 80PCS	Pallets Qty	10	20
HBL-Ex M		Product Qty	800	1600
HBL-Ex L				