

DS Series

UFO LED HIGH BAY LIGHTS

85W~240W



Europe Version



150~195LM/W

- ◆ Dimmable 0-10V / MicroWave Sensor.
- ◆ Super heating dissipation for high end project.
- ◆ Ensure 5 years warranty by cutting-edge technology of power driver solution.
- ◆ Approved: UL, SAA/C-tick (RCM), CE, RoHS.
- ◆ Healthy: No IR or UV Radiation.
- ◆ Flexible: IP65 waterproof with clear PC lens provides multiple applications and longevity.

CE RoHS



Patented Mold

A. High Bay Lights

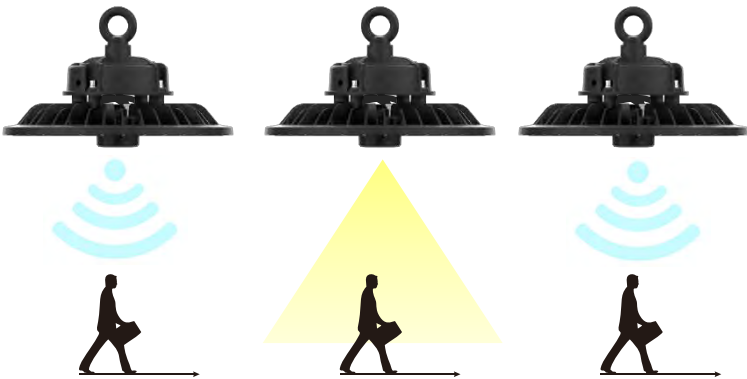


B. High Bay with Microwave Sensors



Microwave Sensors :

Sensor direction: 180°
Sensor coverage: $\Phi 12M$
Installation height : 4-12M



- ① When a microwave sensor senses a person, the brightness is 100%
- ② Without person, 10 seconds later. The brightness is 50%
- ③ Without person, 20 seconds later. The brightness is 0%

0-10V Dimmable :

0-10V dimming is a kind of analog signal dimming, which changes the output current of the power supply and adjusts the light by changing the voltage of 0-10V.

E.g:

1. When the 0-10V dimmer is modulated to 0V, the current drops to 0, and the brightness of the light is turned off ,which be with a switch function.
2. When the 0-10V dimmer is adjusted to 3V, its brightness is 30%, and so on... When it is adjusted to 10V, the output current will also reach When the power output is 100%, the brightness will also be 100%, and the output voltage is constant.



0V
→ 0% (Lights off)



1V
→ 10% Bright



2V
→ 20% Bright



3V
→ 30% Bright



4V
→ 40% Bright



5V
→ 50% Bright



6V
→ 60% Bright



7V
→ 70% Bright



8V
→ 80% Bright



9V
→ 90% Bright



10V
→ 100% Bright



DS Series 100W~240W

Overview

King Star DS Series LED HighBay lights are using SMD2835 luminous source, providing excellent lumen output,long-lasting stability and splendid sight.

King Star DS-Series LED HighBay lights are using high-end LED driver with long lifespan. Provide 5 years warranty on luminaire

Color Op ons

Black , colors available on request

LED LUMINOUS SOURCE



Domestic SMD2835 LED

LED DRIVER

High-end programmable ZhiHe ST Series LED driver, integrate dimming function and 4KV surge protection.Provide excellent performance and lifespan.

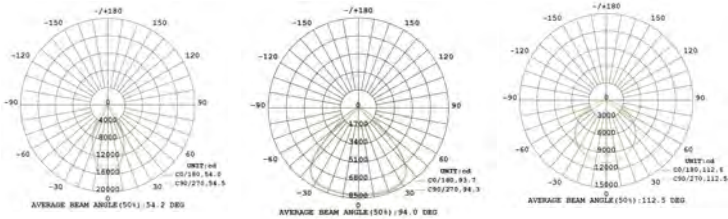


HEAT RADIATOR

Unique thermal design,stable product performance.



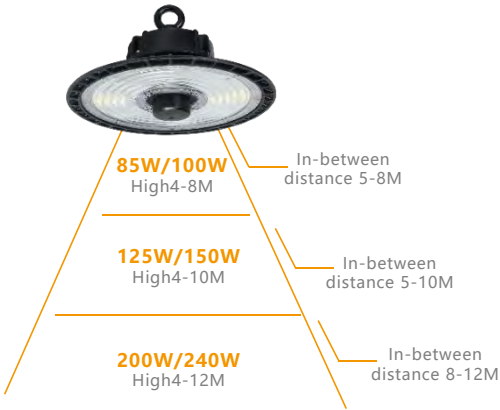
Beam Angle:



Average beam angle(50%): 60°

Average beam angle(50%): 90°

Average beam angle(50%): 120°



Excellent thermal management system and heat radiation enable the LEDs consistently work cooler, providing significant boosts to lifetime and efficacy.



Remote controller

- * 3V CR2025 battery
- * Detection range: 10m (indoor)
- * When the light blink once means the remote control signal has been received

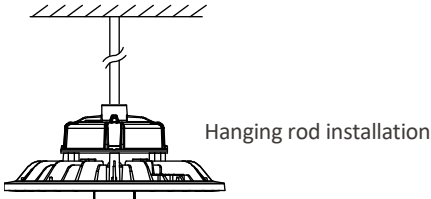
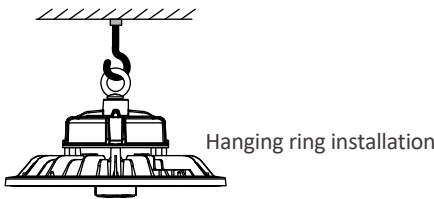


optional accessory :
frosted PC

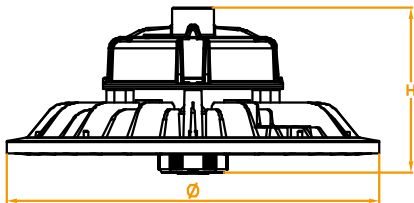
Nominal No.	KS.HB.DS.085W	KS.HB.DS.100W	KS.HB.DS.125W	KS.HB.DS.150W	KS.HB.DS.200W	KS.HB.DS.240W
Norminal Wattage	85W	100W	125W	150W	200W	240W
Size	Φ270*113mm			Φ305*115mm	Φ340*124mm	
Input Voltage	AC200-240V 50 /60Hz					AC100-277V 50/60Hz
Dimmable		NON / MicroWave Sensor				
Features	Microwave sensor +Light sensor+ Remote control					
LED Brand		SMD2835				
Driver Brand		ZhiHe ST or N				
Operating Temperature		-35 °C to +50 °C				
Power Factor(PF)		>0.95				
THD		<20%				
Lumen Output (+/- 5%)	14450lm	15000lm/17000lm	21250lm	22500lm/25500lm	30000lm/34000lm	36000lm/40800lm
Luminaire efficacy (+/- 5%)		150lm/w or 170lm/w for Optional				
Beam Angle		60° /90° /120° for Optional				
Ra		Ra>70/Ra>80				
CCT		3000K/4000K/ 5000K/6000K				
Rating		IP65				
Material		Die-cast aluminum and PC				
Installation		Bracket installation/Hanging ring installation				
Shell Color		Black , colors available on request				
Lumen Maintenance		> 50,000 hours-L ₇₀ at 25 °C				
Certifications		CE RoHS				
Packaging Type		1 unit /ctn.				

The tolerance range of test data above is ±6%, but normally warm white is ±8%.

INSALLATION INSTRUCTION:

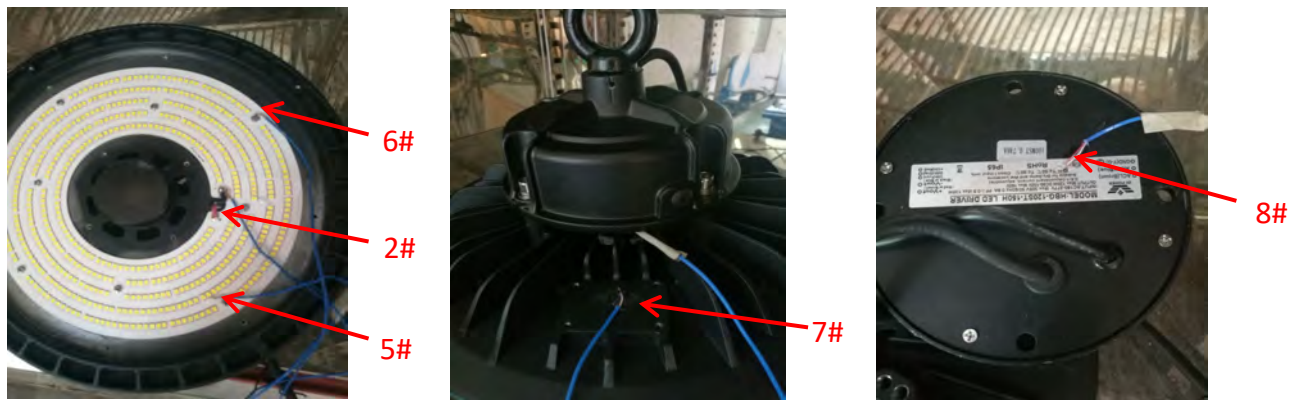


DIMENSION DATA:



Nominal No.	KS.HB.DS.085W	KS.HB.DS.100W	KS.HB.DS.125W	KS.HB.DS.150W	KS.HB.DS.200W	KS.HB.DS.240W
“Φ” Diameter	270mm	270mm	270mm	305mm	340mm	340mm
“H” Height	113mm	113mm	113mm	115mm	124mm	124mm

100W constant temperature 50℃ :



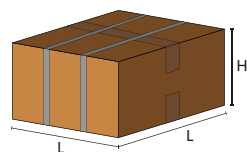
Test Record :

starting and ending time	23 July 2020 a.m. 8:00 (constant temperature 50℃)	
Split time	Test record after lighting the lamp until p.m.14:00	
2# PCB negative electrode	78 °C	
5# PCB negative electrode	77.8 °C	
6# PCB edge	77.2°C	
7# The back of the radiator	76.5°C	
8# The point of power supply tc	74°C	



PACKAGING DATA

Nominal No.	KS.HB.DS.085W	KS.HB.DS.100W	KS.HB.DS.125W	KS.HB.DS.150W	KS.HB.DS.200W	KS.HB.DS.240W
Package dimensions	325*325*148mm	325*325*148mm	325*325*148mm	385*385*153mm	395*395*160mm	395*395*160mm
Net weight	2.3Kg	2.3Kg	2.3Kg	2.5Kg	3.2Kg	3.2Kg
Gross weight	3.3Kg	3.3Kg	3.3Kg	4.1Kg	4.4Kg	4.4Kg



Application

High shed plant, workshop, warehouse, logistics center, exhibition hall, stadium, shipbuilding, mining, highway toll stations, supermarkets, farmers market.



AFTER-SALE SERVICE

King Star Opto-Electronic Co., Ltd (“King Star ”) warrants this King Star-branded hardware product against defects in materials and workmanship under normal use for a period of FIVE (5) YEARS from the date of purchase. King Star shall charge against defeats by abnormal storage, usage, connect on or change the structure or any components of the product.

*Damage by thunder stroke over 4KV(L,N to FG) /4KV(L to N) will not covered by warranty based on IEC61000-4-5.

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