

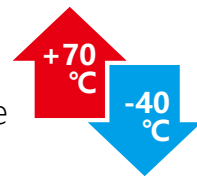


HBK SERIES LED HIGH BAY LIGHT

www.seekingled.com



Ambient
temperature



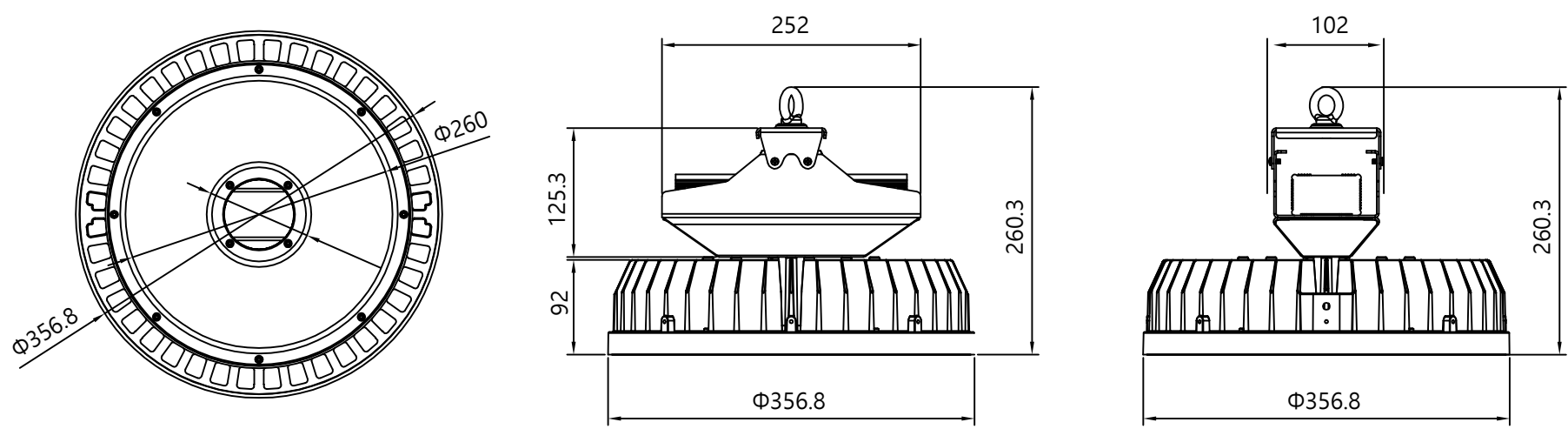
140lm/w 200W 110°

XJ-HBK200W-Ultra Series HB18 High Bay Light is for smelting metallurgy, ceramic and glass manufacturing, tire manufacturing, thermal power generation and other high temperature environment; And oil field operations, semiconductor production, cold storage storage and other low-temperature environment specially designed a lamp.

It can operate continuously at -40°C to +70°C · while delivering high luminous flux output. The heat sink, designed based on the chimney effect principle, allows natural upward and downward airflow for efficient cooling. Ultra Long Lifetime of driver, Innovative Design with No Electrolytic Capacitors, the luminaire features short-circuit protection, overheating protection, and an IP65 protection rating, Ensure that the lamps can work in harsh environments for a long time.



Product size:



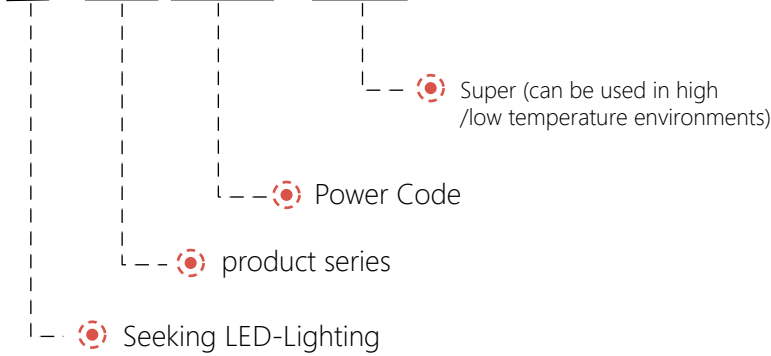
Parameter

Model NO.	Power (W)	Efficacy 140lm/w
XJ-HBK200W-Ultra	200W	28000

✦ Above lumens based on 4000K Ra:80



XJ - HBK 200W - Ultra



AC Input :	100-277V 50/60Hz
Brand of LED Driver :	Inventronics
Light Source :	Nichia 3030
CRI Range :	Ra>80
CCT Range :	NW(4000K) CW(5700K)
Light Efficiency :	140+5% Lm/W
Dimming method:	0-10V/PWM/Timer Dimmable (3 Timer Modes)
Beam Angle :	110°
Housing :	Aluminum Alloy
Surge Protection :	6kV line-line,10kV line-earth
Driver Type:	Constant Current (CC)
Waterproof :	IP65 & IK08
Category of corrosion:	C3
Operating Temperature:	-40°C to + 70°C
Life Time of LED @Ta=25°C	70000hrs-L90 152000hrs-L80 244000hrs-L70
PF:	≥0.95
THD:	<15%
Power Efficiency:	≥0.9
Certifications:	CE, CB
Warranty :	5 Years
Light body color:	Tiefschwarz (RAL 9005)

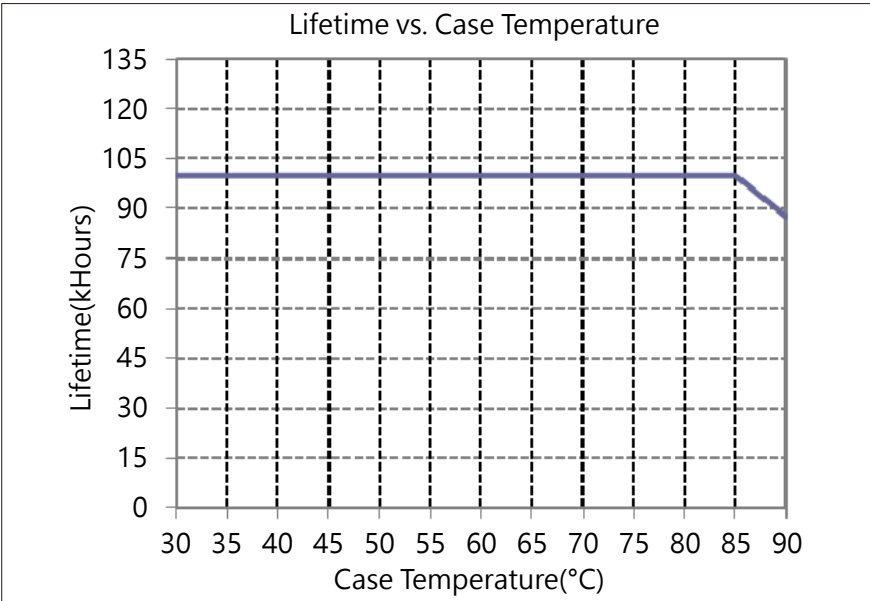


Over temperature protection function:

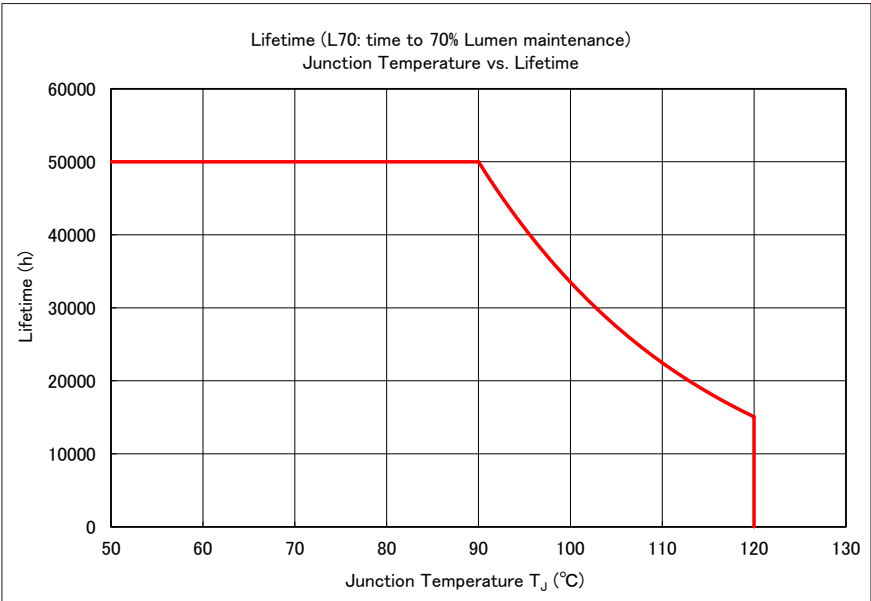


- 1. The power supply has a built-in intelligent over-temperature protection system, which uses a high-precision NTC thermistor sensor to monitor the operating temperature in real time.
- 2. When the temperature is detected to exceed the preset safety threshold, the protection mechanism will be activated immediately, and the output current will be reduced or the power will be completely cut off through the PWM (pulse width modulation) signal to prevent the lamp from being damaged due to overheating.
- 3. When the temperature drops to a safe range, the system will automatically restore power supply to ensure the continuous and stable operation of the lamp.
- 4. This function complies with international safety standards (IEC 60598), effectively extending the life of the lamp and improving safety in use.

Power Drive:
Lifetime vs. Case Temperature



NICHIA leds:
[Junction Temperature vs. Lifetime
(L70: time to 70% lumen maintenance)]



Protection function:

parameter		Minimum	Typical value	Maximum value	Notes
External Overtemperature protection (NTC)	R1	-	7.81 kOhm	-	When R-NTC drops to R1, the external thermal protection is triggered and the output current gradually decreases
	R2	-	4.16 kOhm	-	When R-NTC drops to R2, the output current drops to the programmed protection current value
	Protection Current	10%loset	60%loset	100%loset	10%loset>lomin (the default setting is 60%)
		lomin	60%loset	100%loset	10%loset>lomin (the default setting is 60%)
Over temperature protection		Current reduction mode. When the overtemperature is released, the current automatically recovers.			
Short circuit protection		Self-recovery mode. In the event of a short circuit, the product is not damaged. When the short circuit is released, it can automatically recover.			
Over voltage protection		The output voltage will be limited to the specified range.			

Mounting accessories:



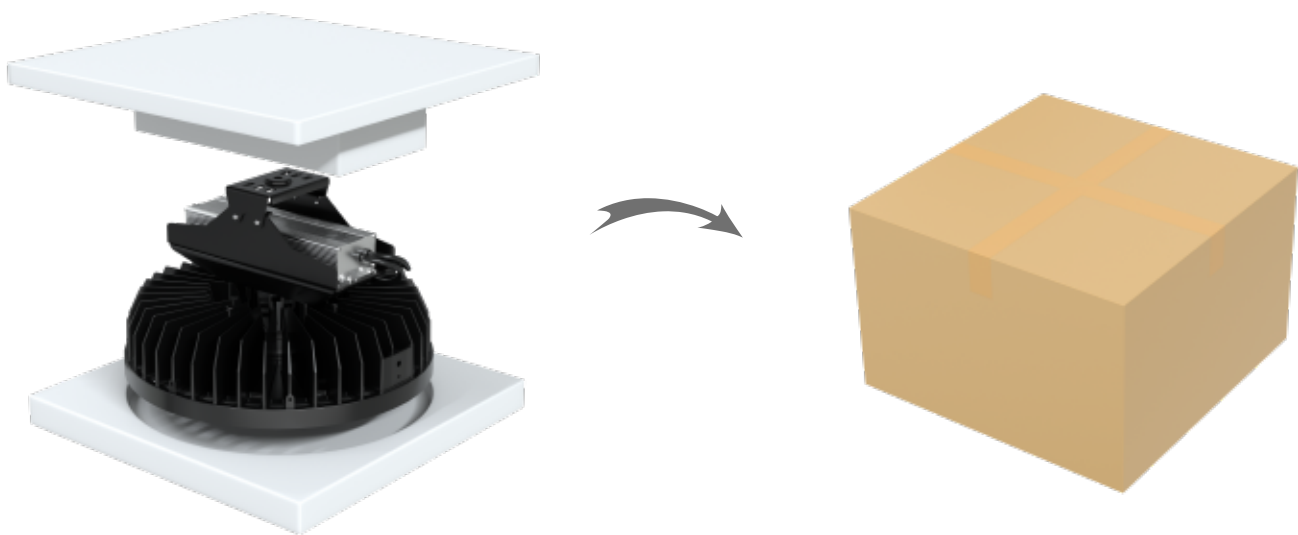
A01



A07

accessories	image	material	dimensions	weight	accessoryuse
Standard	A01	Aluminium	M10	0.05KG	Suspension accessories
Optional	A07	SUS304	Φ5x1000mm	0.6kg	Fall prevention safety chain/ Suspension accessories

Product Packaging :



Model	Qty	N.W.(kg)	G.W.(kg)	Meas(mm)
XJ-HBK200W-Ultra	1PC/ctn	7.8	8.8	406x406x280

Product Installation Instructions:



1. Install expansion screw hook after opening the hole



2. Open the packaging take out the lamp body and the Hanging Ring;



3. Hang the lamp on the hook to ensure firmness



4. Install anti-fall safety wire rope



5. Turn off the power, arrange the access line and connect it to the corresponding line according to the line mark.

	
Brown "L"	PINK "OTP+"
Green+Yellow "E"	BLU/WHT "OTP-"
Blue "N"	BLK/WHT "Vaux/12V"
	PUR "Dim+/1-10V"
	GRY "Dim-"



6. Turn on the power to complete the installation

* Note : Please make sure the power off before operation, Installation must be performed by skilled electrician who are familiar with the requirements and proper installation methods of LED luminaire, in order to avoid damage or hazard;The external flexible cable or cord of this luminaire can not be replaced, if the cord is damaged, the luminaire must be destroyed,The light source contained in this luminaire shall only be replaced by a qualified person;