

Product Specification

HB 160-series LED High Bay

1、Features

LED high bay light is a new technology lighting product. Compared with the traditional high bay light, it has more advantages: saving energy, low carbon, long lifespan, excellent color rendering index, quick response, etc.

- n High efficiency & energy saving. Under the condition of the same illumination, it saves more than 67% energy compared with the traditional lamp
- n Long life span, using semiconductor chip as the light resource, the life can be over 50,000hrs.
- n No UV & IR. It won't distribute ray radiation
- n Eco-friendly, No Hg & Xe, or other harmful element. Recyclable, also it won't generate EMI.
- n High performance external constant current drivers, no stroboscopic, good for eyesight protection;
- n Thermal design, integration of the advanced die-casting forming, small contact resistance, high cooling efficiency
- n Protection level reaches IP65.

2、Product Pictures



3、Applications

- n Workshop, factory, warehouse, highway toll station.
- n Gas station, supermarket, exhibition, gym
- n Mall, conference room, market;

4、Technical Parameters

Power parameters

Power	30W	40W	50W	60W	80W	100W
Input Voltage	100-240VAC/100-277V					
Frequency	50-60Hz					
Efficiency(Typ)	88%				90%	
Power Factor(Typ)	PF>0.98/115VAC			PF>0.95/230VAC		

Lighting parameters

LED Consumption	30W	40W	50W	60W	80W	100W
System Consumption	33W	44W	55W	66W	86W	108W
LED Luminous Efficiency	90-120Lm /W					
Color Temperature	2700K~7000K TYP =6500K					
Lamp's Luminous Efficiency	35mil ≥75 Lm/W , 45mil ≥85 Lm/W				>75 Lm/W	
Light Distribution	Please refer to the test report					
Color Rendering Index	Ra≥70					
Operating Temperature	-25℃ ~ +50℃					
Storage Temperature	-40℃ ~ +70℃					
IP Grade	IP65					
Life-span	>35000Hrs					
LED Chips	Bridgelux,Epistar,Epileds , etc					
Beam Angle	120DEG 90DEG 45DEG					
Lens options	Glass, polycarbonate (PC)					
Function options	The dimmer: 1-10V/PWM Sensor					
Materials	Aluminium:6063-T5					
Appliance Class	Class I					
The color of the lamp shell	Black/Silver					
Mounting	Ceiling-mounted					

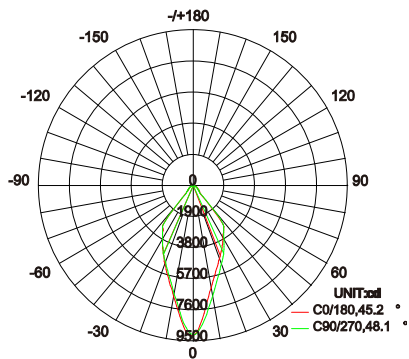
Note:

- 1、Light optic with a little deviation for different color temperature LED , deviation value≤5%
- 2、There parameters will exist tolerance of error according to related rules.

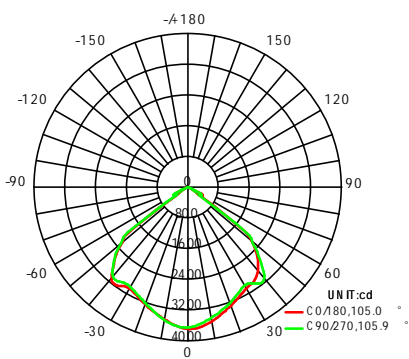
Light distribution curve (100W)



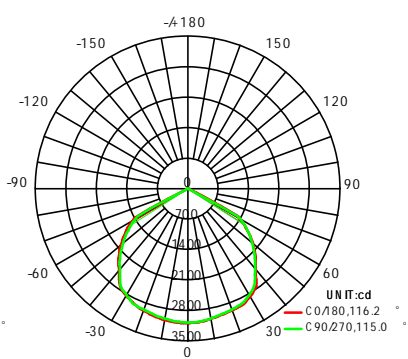
45°DEG



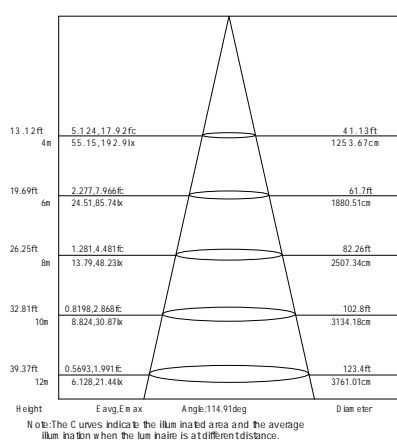
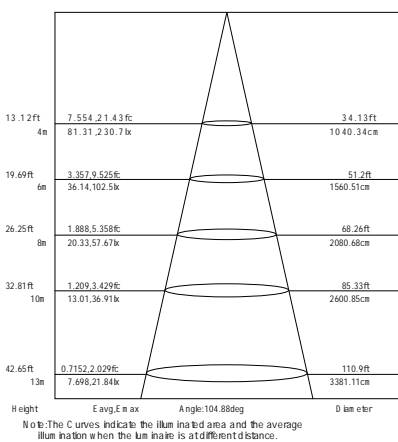
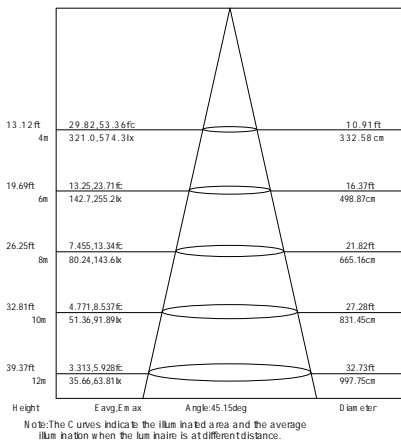
90°DEG



120°EDG

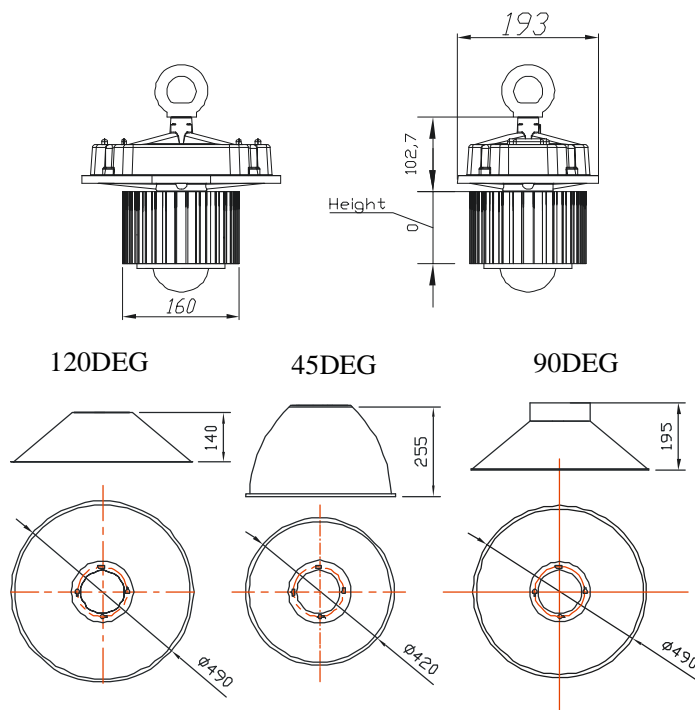


Effective AAI Figure (100W)



5、Dimension

Power	30-40W	50-60W	70-80W	90-100W
Height	60mm	100mm	150mm	180mm



6、Packing /weight

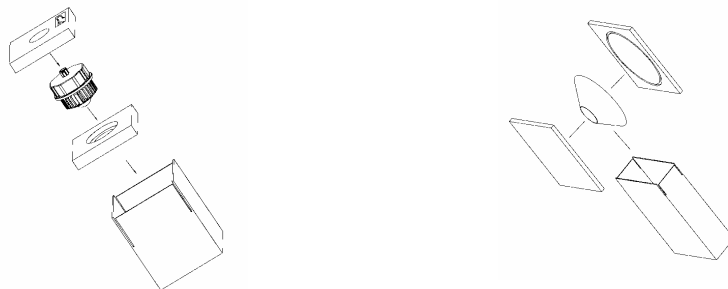
a、Lamp package

Item NO.	30-40W	50-60W	70-80W	90-100W
Package size	32.5*25*24CM	32.5*25*29CM	32.5*25*34.5CM	32.5*25*37CM
G.W.	4.1 Kg	5.6 Kg	6.4 Kg	7.2 Kg

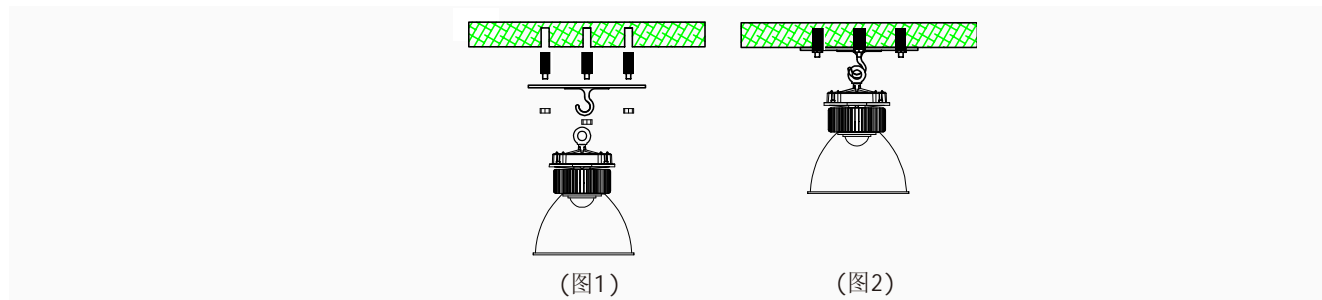
b、Reflector packae

NO.	Single packing Size	Packing Weight	Qty/carton	Carton packing size	Whole carton weight
45DEG	44*44*30CM	2Kg	8 Pcs	44*44*38CM	5.93Kg
90DEG	52*52*25CM	2.5Kg	9 Pcs	52*52*33CM	7 Kg
120DEG	52*52*25CM	2.5Kg	20 Pcs	52*52*33CM	13.2 Kg

c、Drawing of packing



7、 Installation : lifting



Steps:

1. Tighten the hand rings, which is M20 thread.
2. Install the anchoring bolts and the board according to instruction picture(1)
3. As the instruction picture (2), Put the LED high bay with hand ring into the hook in the board and then lock the hook.
4. connect 3X1MM2 3-cord cable to the power. Brown wire is firing line, blue wire is zero line, and yellow wire is ground wire.
5. please connect to right voltage according to light parameters

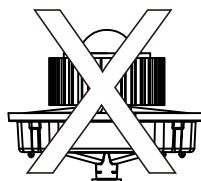
Note:

- 1、 When installing the products,the point ofconnecting of wires must be closed very well toavoid theleakage.
- 2、 Prohibit to violate any fire protecting rules when using.
- 3、 The anchoring bolts and the installation environment must be able to bear the weight 4 times as that of the lamps.

8、 Note

- 1、 The power must be cut off before maintaining.
- 2、 Cleaning the glass of the product in regular time to ensure the good efficiency.
- 3、 Cleaning the housing and radiator in regular time to ensure the good performance of heat sinking.
- 4、 Can use the screwdriver open the cover and take out of the driver to change a new.And connection of the wires of AC driver please follow below:Brown to connect "L",Blue to connect "N",Yellow to connect "⚡",And the red or white wires of DC connect the positive pole of driver,and the black wire connect the negative pole of driver.and don't mix the positive pole and negative pole.
- 5、 Please take measures of lightning protection, and ensure the Input voltage which is stable.
- 6、 Pls put the lamp under the dry, ventilated and clean circumstance, and clean and maintain regularly.
- 7、 Don't disassemble by yourself, avoid the electric shock as there is high voltage inside the lamp.

- 8 Don't upside down when installing or lighting the lamp
- 9、 Please ask the qualified professional person for help.



9. Warranty

All products use constant current power supply ,and have 2 years warranty

We have 2 years warranty for the whole lamp.

Remark:The warranty on the base of right storing way,right installing way,right using way,right maintaining way.Any broken out of our rule,out of our warranty.During the warranty time,we can choose repairing,replacing parts or replacing the whole products according the detail information.And we'll charge the customers some material fee and labor cost if the product out of our warranty time.

Please read the instruction carefully before you use the product.We keep the right of final explanation for the instruction and the product.The product will keep updating continues.And sorry for the no notice for the updating.sure the Input voltage which is stable.