

Product Specification

HB 250-series LED High Bay

1、Features

LED high bay light (Deckenlampe) 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.

n 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	120W	150W	160W	180W	200W
Input Voltage	100-240VAC/100-277V				
Frequency	50-60Hz				
Efficiency(Typ)	>91%				
Power Factor(Typ)	PF>0.98/115VAC PF>0.95/230VAC				

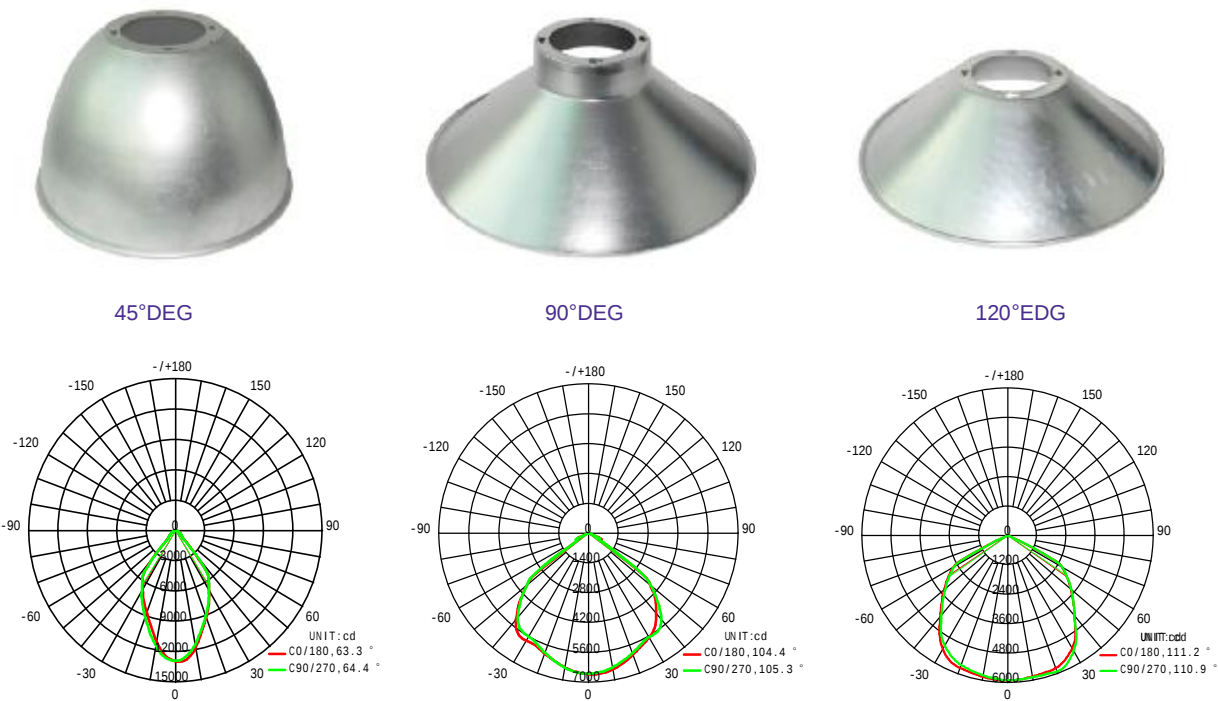
Lighting parameters

LED Consumption	120W	150W	160W	180W	200W
System Consumption	125W	156W	168W	188W	208W
LED Luminous Efficiency	90-120Lm /W				
Color Temperature	2700K~7000K TYP =6500K				
Lamp's Luminous Efficiency	35mil ≥75 Lm/W , 45mil ≥85 Lm/W			≥80 Lm/W	
Light Distribution	Please refer to the test report				
Color Rendering Index	Ra≥70				
Operating Temperature	-25℃ ~ +50℃			-25℃ ~ +45℃	
Storage Temperature	-40℃ ~ +70℃				
IP Grade	IP65				
Life-span	>35000Hrs				
LED Chips	Bridgelux,Epistar,Epileds, etc				
Energy efficiency	A ⁺				
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				

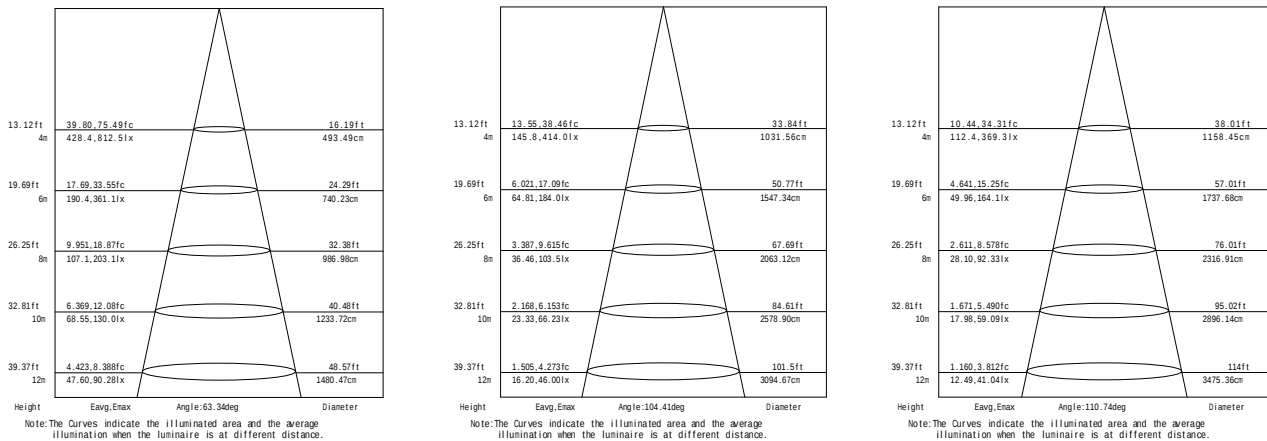
Note:

- 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 (150W)

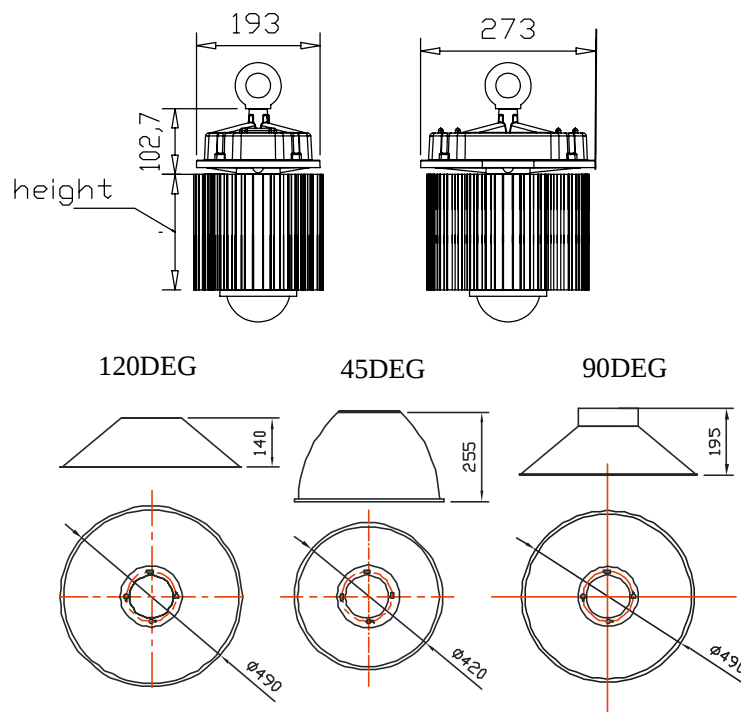


Effective AAI Figure (150W)



5、Dimension

Power	110-120W	130-160W	180-200W
Height	150mm	180mm	250mm



6、Packing /weight

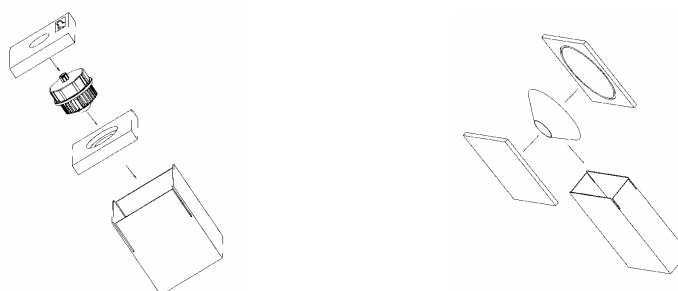
a、Lamp package

Item NO.	110-120W	130-160W	170-200W
Package size	30*30*35CM	30*30*37.5CM	30*30*44.5CM
G.W.	8.3 Kg	9.5 Kg	11.6 Kg

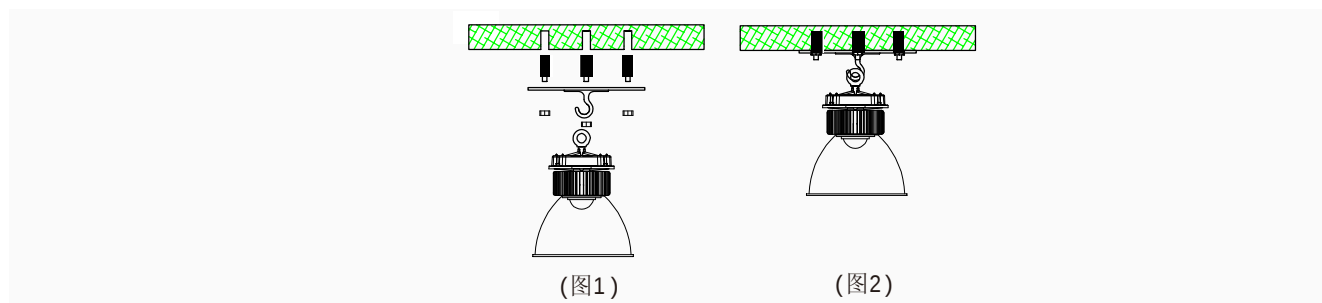
b、Reflector packae

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

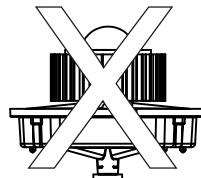
Note:

- 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.