

■ General Description

HBG series LED high bay light is the application of innovative fins dissipation technology and LUXEON LED. Compared with the traditional industrial and mining lamp, LED high bay light has the following advantages: energy saving, low carbon and long life, good color rendering, response speed quickly.

■ Product Pictures



■ Features

- New fins dissipation technology rapidly reduce the temperature of the LED chips.
- LUXEON 3030 LED (LM80) , high luminous efficiency, high color rendering index.
- New external driver, easy to heat dissipation, improve driver service life..
- Light health, the light does not contain UV and IR, do not produce the ray radiation.
- Green pollution-free, no lead, mercury or other elements of environmental pollution.
- High performance constant current driver, no stroboscopic, be helpful for protecting eyesight.
- Prevent water, clear fog, avoid liquid condensation, waterproof class reached IP65.

■ Applications

- Factory, gymnasium, lighting decoration, squares, airports, warehouse, shopping mall , ect.

■ Technical Parameters

● Power parameters

Input Voltage/Frequency	220-240VAC/47-63Hz
Input Current	0.35 A (230VAC)
Output Voltage	27-36V
Output Current	Max 3A
Power Efficiency	>90%
Power Factor	PF>0.98/±115VAC PF>0.95/230VAC PF>0.93/277VAC

● Lighting parameters 灯

LED Chips Quantity	84 PCS(LUXEON 3030-5S20P)
LED Consumption	75W
System Consumption	80±5W
LED Luminous Efficiency	>130Lm/W
Lamp's Initial Flux	>9600Lm
Color Temperature	2700K,3000K,3500K,4000K,5000K,5700K,6500K
Lamp's Luminous Efficiency	≥120Lm /W
Lumen Maintenance	70%(50,000Hrs)
Color Rendering Index	Ra≥70
Light Design	LED+ reflectors with twice light distribution
Light Distribution	Please refer to attached Light distribution curve
View Angle	25° 、 60° 、 100° at the beam angle 50%
Driver Working Temperature	-40°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
IP Rating	IP32
Life-span	≧ 50,000Hrs(Note4)
Materials	Aluminum
The color of the lamp shell	Black/Sliver
Mounting	Lifting type

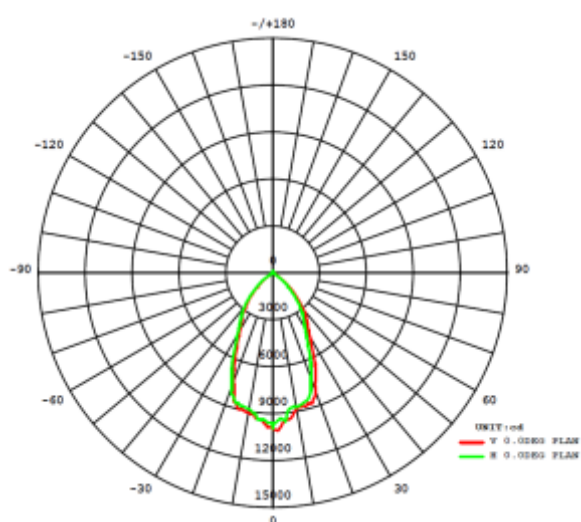
Note1: Light optic with a little deviation for different color temperature LED , deviation value≤5%.

Note2: All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

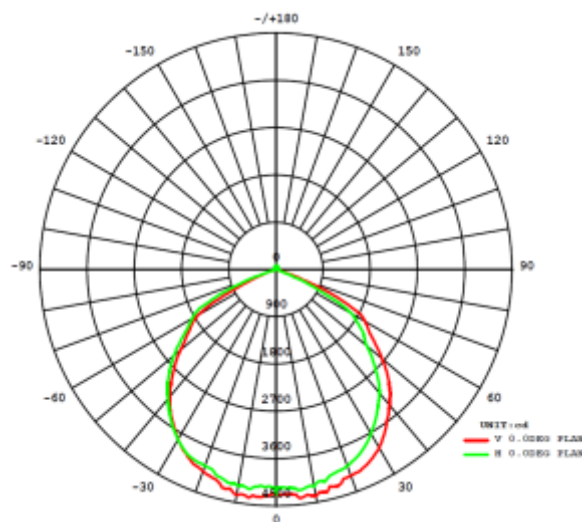
Note3: There are 25 degrees, 60 degrees, 90 degrees of reflector.

Note4: Working -10~+25°C of ambient temperature, RH10-80%, heat dissipation is good.

● Light distribution curve

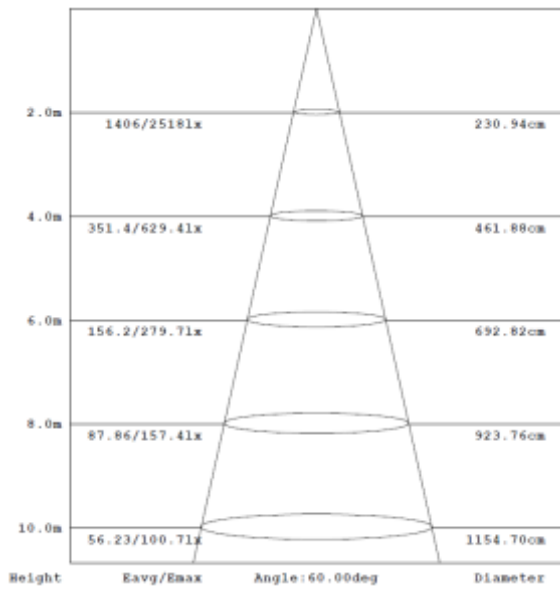


60°

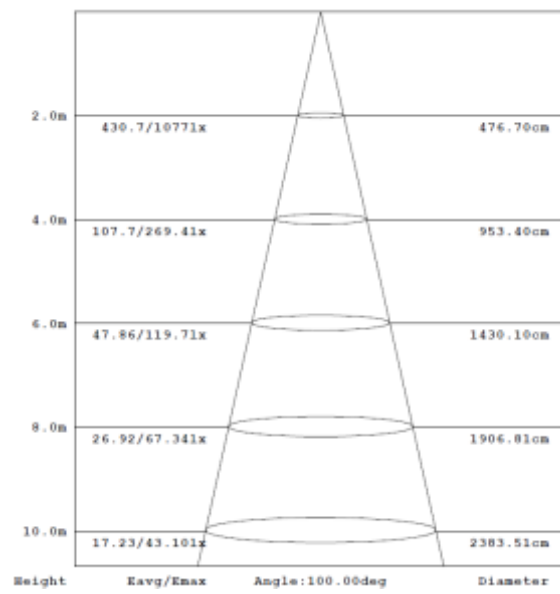


100°

● Effective AAI Figure

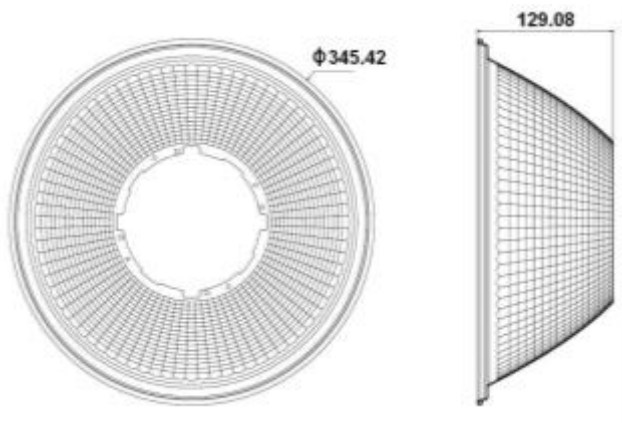


60°

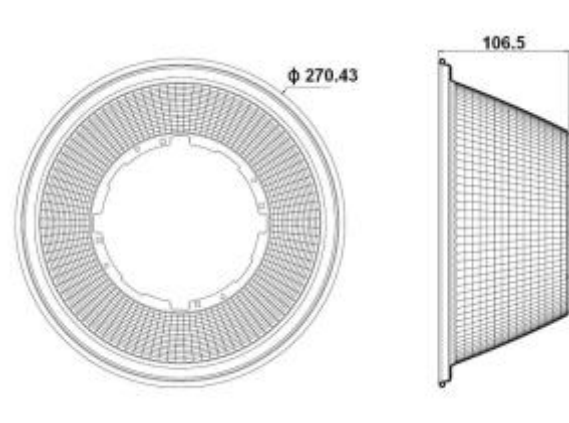


100°

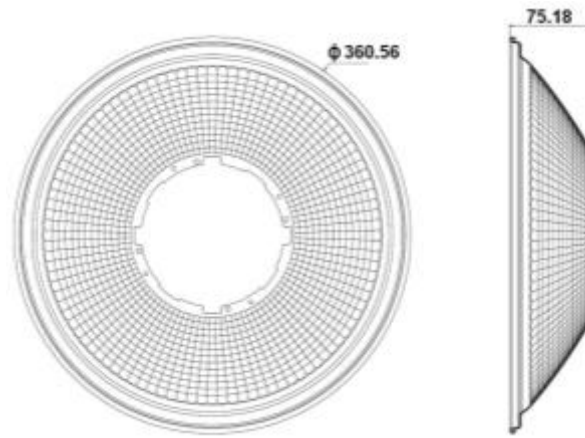
■ Reflector Dimension



25°



60°



100°

■ Note

- If the lamp outer cable or cord is damaged, must be qualified personnel to repair.
- That the lamps is abnormal , must cut off the power input.
- Power input end do some lightning protection measures, and guarantee the input voltage stability.
- Please mount the lamp in a dry, ventilation, clean environment, and regular cleaning and maintenance.
- Inside Lamps have high voltage parts, do not disassemble, so as to avoid the electric shock.

■ After service

All of our product's warranty period is 5 years for the constant current power and LED light source guaranteed usable 5 years. Besides our warranty is based on the right storage, installing ,using and maintenance. However, the damages resulted from wrong installing and rule-breaking operations don't belong to the warranty range. As for the quality problem during the warranty period, we would like to maintain and change. While we will charge for the material and labor cost over than the warranty period.