

## INUI LED HBG 40-watt High Bay Data Sheet

### ■ General Description

HBG series LED high bay light is the application of innovative fins dissipation technology and LUXEON 3030 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 colour rendering, response speed quickly.

### ■ Product Pictures



### ■ Features

- New fins dissipation technology rapidly reduce the temperature of the LED chips.
- LUXEON Lumileds 3030 (LM 80) , high luminous efficiency, high colour 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 , etc.

## ■ Technical Parameters

### • Power parameters

Input Voltage/Frequency	220-240VAC/47-63Hz
Input Current	0.25 A (230VAC)
Output Voltage	27-36V
Output Current	Max 1.5A
Power Efficiency	>90%
Power Factor	PF>0.98/±115VAC PF>0.95/230VAC PF>0.93/277VAC

### • Lighting parameters

LED Chips Quantity	84 PCS( LUXEON Lumileds 3030)
LED Consumption	45W
System Consumption	40±5W
LED Luminous Efficiency	>130Lm/W
Lamp's Initial Flux	>5200Lm
Colour Temperature	2700K,3000K,3500K,4000K,5000K,5700K,6500K
Lamp's Luminous Efficiency	≥120Lm /W
Lumen Maintenance	70%(50,000Hrs)
Colour Rendering Index	Ra≥70
Light Design	LED+ reflectors with twice light distribution
Light Distribution	Please refer to attached Light distribution curve
View Angle	60° 、 90° 、 100° at the beam angle 50%
Driver Working Temperature	-40°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
IP Rating	IP65
Life-span	≧ 50,000Hrs(Note4)
Materials	Aluminium
The colour of the lamp shell	Black/Sliver
Mounting	Lifting type

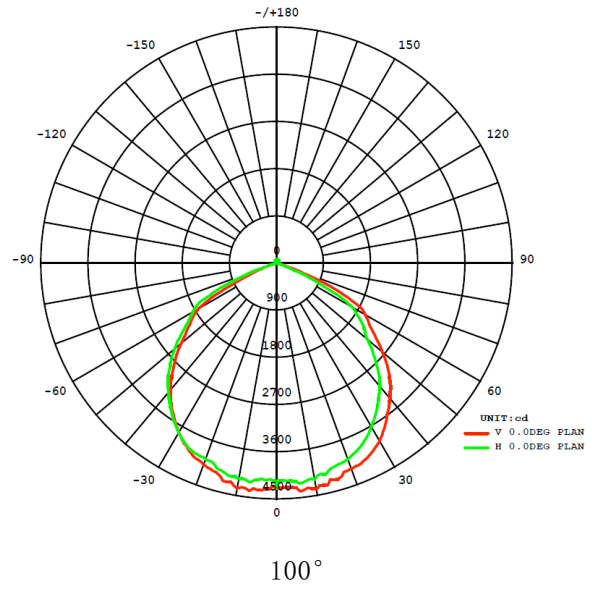
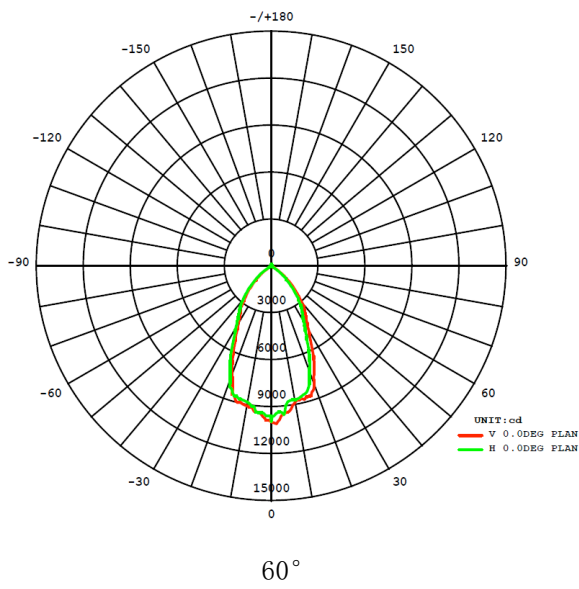
Note1: Light optic with a little deviation for different colour temperature LED , deviation values≤5%.

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

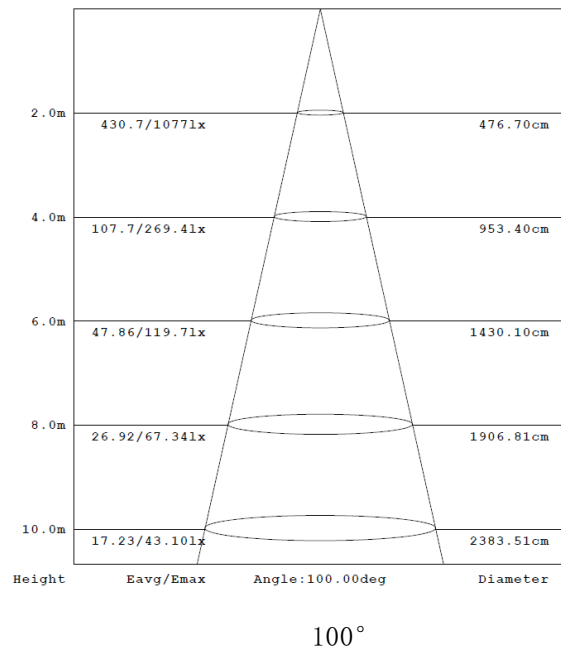
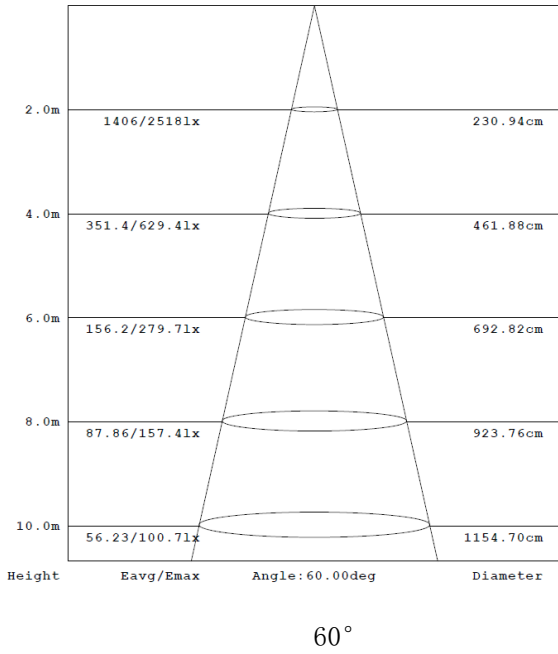
Note3: There are 60 degrees, 90 degrees, 120 degrees of reflector.

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

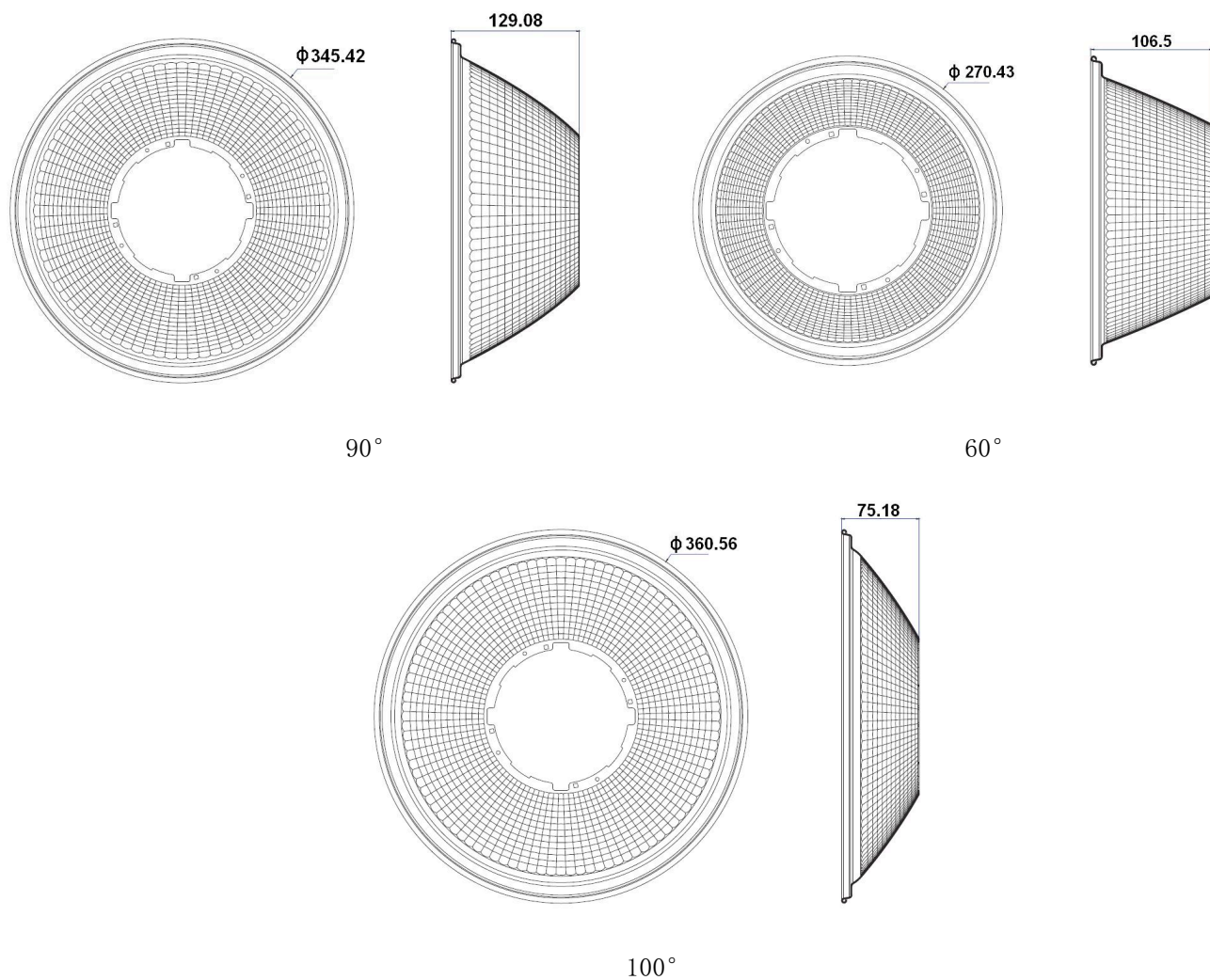
● Light distribution curve



● Effective AAI Figure



## ■ Reflector Dimension



## ■ Note

- If the lamp outer cable is damaged, this must be repaired by a competent person only.
- If the lamp behaves abnormally, Isolate the power from the High Bay.
- The Power input side should have some means of protection, and guarantee the input voltage stability.
- Mount the lamp in a dry, well ventilated, clean environment where possible. Regular cleaning of the fins where possible as part of the maintenance care to help heat dissipation.

## ■ After service

All of our product's warranty period is 5 years for the constant current power (driver) and LED light source (chip) guaranteed usable 5 years. Our warranty is based on the right storage, installing, usage and maintenance. However, if damages result from incorrect installing or incorrect usage this this could invalidate the warranty. Unauthorised opening of the LED products will also invalidate the warranty.