

LED GC015L Series

Applicable place

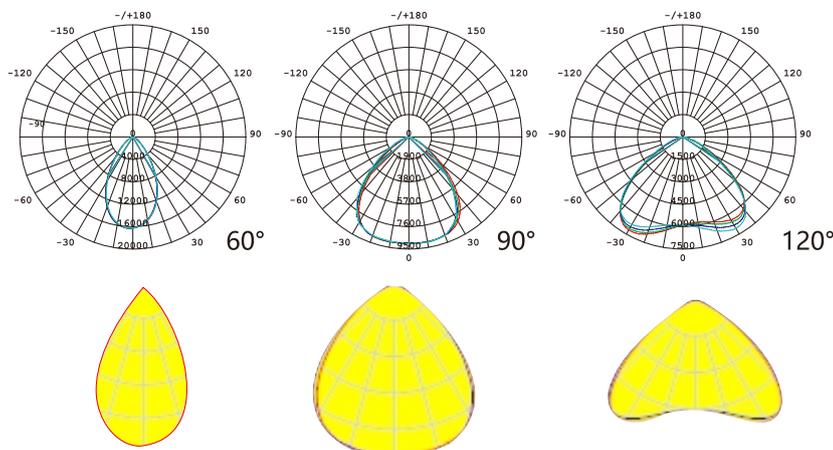
Factory lighting, supermarket lighting, warehouse lighting
Lighting of stall, indoor gymnasium.



Product Features Introduction

1. The lamp is ADC12 aluminum ingot die-casting molding, the appearance of spray treatment, the lamp overall circular design, beautiful shape, good heat dissipation.
2. The drive power supply can be non-isolated.
3. Beads are used in megach 2835 lamp beads.
4. IP65 waterproof design for lamp.
5. The input voltage can be 100-277V wide voltage input.
6. The lamp bead cavity is designed with waterproof breath plug, which can remove the exhaust gas inside the lamp and the working temperature, and prolong the service life of the lamp.
7. Luminaire light distribution can be selected from 60 degrees (suitable for installation in height of 15-30 meters), 90 degrees (suitable for installation in height of 8-15 meters), 120 degrees (suitable for heights below 8m), with the option of aluminum cover (reduced glare).
8. The color of the lamp can be selected from warm white (color temperature: 3000-5700K), neutral white (color temperature: 4000-5700K), pure white (color temperature: 6500K), color rendering index Ra70, and Ra80.
9. The lamps can be installed in different ways such as hanging ring installation, hook installation designed by Yuguang, 1/2 pipe installation, 3/4 pipe installation, wall installation, etc.
10. The luminaires are recommended to use the ambient temperature of -25 degrees to 45 degrees.
11. Lamp life: L90 is greater than 36,000 hours and L70 is greater than 54,000 hours.

Distribution curve

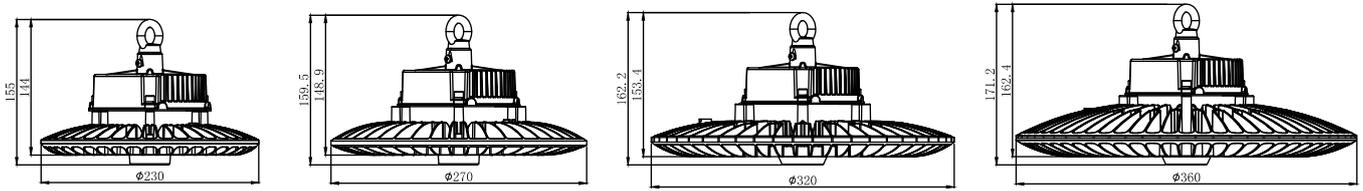


According to the environment

Ambient light temperature		lumens
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99
50°C	122°F	0.98

The formula factor determines the relative lumen output mean ambient temperature of 0-50 °C (32-122 ° F)

Dimensional drawing of non-isolated lamps

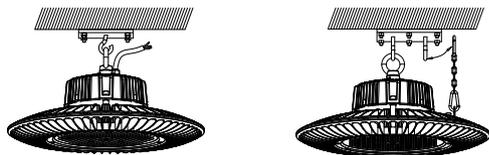


Parameter table of lamps with non-isolated power supply

Item description	LEDGC80W015L	LEDGC100W015L	LEDGC120W015L	LEDGC150W015L	LEDGC180W015L	LEDGC200W015L	LEDGC240W015L
Fixture Diameter [mm]	230	230	270	270	320	320	360
Fixture Height [mm]	155	155	160	160	163	163	171
Input voltage [VAC]	100-277V AC						
Input frequency [HZ]	50/60						
Inqut current [A]	0.36 (220V)	0.45 (220V)	0.54 (220V)	0.68 (220V)	0.81 (220V)	0.91 (220V)	1.09 (220V)
Input wattage [W]	80±10%	100±10%	120±10%	150±10%	180±10%	200±10%	240±10%
Power factor	>0.95						
Voltage [V]	234			243			
Current(reference) [A]	0.32	0.4	0.46	0.58	0.69	0.77	0.93
Wattage(reference) [W]	75±5%	94±5%	113±5%	141±5%	169±5%	188±5%	225±5%
Power efficiency	94%						
Luminous flux [Lm]	12000	15000	18000	22500	27000	30000	36000
Colour temperature [K]	3000-5700K						
Colour rendering index[Ra]	70/80						
Lumen maintenance(2000h)[%]	98						
Beam angle [H, V]	60°, 90°, 120° ,						
Chip	兆驰2835						
Average life [h]	50000						
IP	IP65						
Work environmental temperature [°C]	-25°C - 45°C						

Installation

1) Hoist ring and hook installation method



1. Hang the lamp on the hook or wire rope at the place to be installed.
2. Hang the chain on the hook on the mounting surface and make sure it is installed securely.
3. Connect the power cable of the lamp input end. The live wire, neutral wire, and ground wire must be connected.

WARNING :

1. When installing lamps, the anti-drop hanging chain must be installed reliably to avoid lamps falling during use. Accidents caused property losses and casualties.
2. The grounding wire must be connected when the lamp input is connected to avoid early failure of the lamp and safety of electricity.
3. Luminaire activation will be affected when the ambient temperature is below -40 °C, and the ambient temperature is above 50 °C. Lamp power working life will be shortened, LED lamp pearl decay will be accelerated.
4. When carrying out lamp maintenance work, the power switch at the input must be switched off and the safe operation method must be observed.