

Instructions



Warning !

- * This product "is strictly prohibited to open when it is connected with power supply."
- * Maintenance shall not change the circuit components of the specifications, models, electrical parameters.
- * This product should be used with short-circuit, overload and leakage protection of lighting signal protection device integrated power distribution.
- * Use, maintenance process should pay attention to the protection of explosion-proof surface, to prevent "explosion"! Do not lose the seals in the introduction of device! Pay attention to properly tighten the compression nut!
- * Inspect the tightness of the sealing ring of the introduction device and check if it is damaged.
- * Ventilation to install, to avoid corrosion of gases, cooling parts is strictly prohibited coverage.
- * Warning: use the yield stress $\geq 450\text{MPa}$ fasteners.

Explosion Proof LED maintenance-free energy-saving lamps

1 Overview

EXPLOSION PROOF LED maintenance-free explosion-proof energy-saving lamps in line with GB 3836.1-2010 "Explosive atmospheres Part 1: General requirements for equipment", GB 3836.2-2010 "Explosive atmospheres Part 2: Flameproof enclosure" d " 3836.3-2010 "Explosive atmospheres - Part 3: Equipment protected by increased safety" e, "ExdeIICT6 Gb, for use in flammable gases or vapors containing Group II Class A, B, Air to form an explosive gas in Zone 1, Zone 2 hazardous places where lighting is used.

2. Product model

Variety: LED maintenance-free explosion-proof energy-saving lamps

3.Using environment.

EXPLOSION PROOF LED can use under belowing condition

- a) Circumstance temperature: $-20^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- b) Average relative humidity : no more than 95% ($+20^{\circ}\text{C}$) ;
- c) Atmospheric pressure : $86\text{KPa} \sim 106\text{KPa}$;
- d) There is no significant vibration and shock.
- e) Explosive gas environment.

4. Explosion proof type

ExdeIICT6 Gb

5.Structure Description

- A) appearance and structure: has applied for a design patent;
- B) Material and process: The shell is made of ZL102 aluminum alloy by high-pressure die-casting. After shot blasting and anodizing, the surface is sprayed or sprayed by electrostatic powder. Proof and outdoor anti-corrosion ability;
- C) cooling system: built-in fin aluminum cooling system, cooling area, heat dissipation efficiency, to ensure that the LED chip and light source life and light efficiency;
- D) light source module: the use of wafer or Career HV AC-LED chip, ceramic package, and the United States Silicon Valley developed high-voltage AC IC driver program, and built-in anti-10KV surge protection circuit. LED, aluminum plate and drive part constitute a stable and reliable light source module;
- E) light distribution system: through advanced structure-aided design, the light source 180° uniform light, but also to meet the central illumination requirements, to ensure that the use

of place lighting requirements;

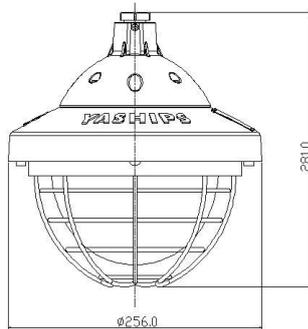
F) transparent: ultra-white high-borosilicate glass anti-glare design, all steel treatment, impact strength greater than or equal to 2 joules;

G) maintenance: maintenance-free, high efficiency, energy saving, long life, not less than 30,000 hours.

H) Enclosure protection class: IP66, insulation class: Class I, corrosion protection grade: WF1;

I) Wire thread: G3 / 4 "; Applicable cable diameter $\Phi 9.3\text{mm} \sim \Phi 10.0\text{mm}$;

J) EXPLOSION PROOF LED maintenance-free explosion-proof energy-saving lamps explosion-proof tempered glass and the cover, the shell and wiring board in combination with Osborn epoxy AB glue (EP05) seal, bonding joints should be no holes and other defects, in line with Chapter 6 Requirements of GB 3836.2-2010. Cover with the shell and the roof and the shell at the junction of anti-corrosion foam to install anti-aging, the introduction of cable with the use of compression nut with the ring and other fixed on the roof. ;



Picture 1

6. Technical parameters

Rated voltage: AC220V / 50HZ

Rated power: 50W

Color temperature: 3000k ~ 6500k optional

Luminous flux: $\geq 5000\text{lm}$

Size: $\Phi 256\text{mm} \times 281\text{mm}$, as shown in Figure 1

Weight: 7Kg

7. Wiring diagram;

(1) first with a hexagonal wrench, unscrew the screw to open the lamp cover;

2) Connect the L, N, and ground wires of the cable to the L, N, and ground wires on the terminal, and

tighten the nut and screw. After the cable connection should be carefully checked to guard against falling.

(3) tighten the back cover, tighten the set screws.

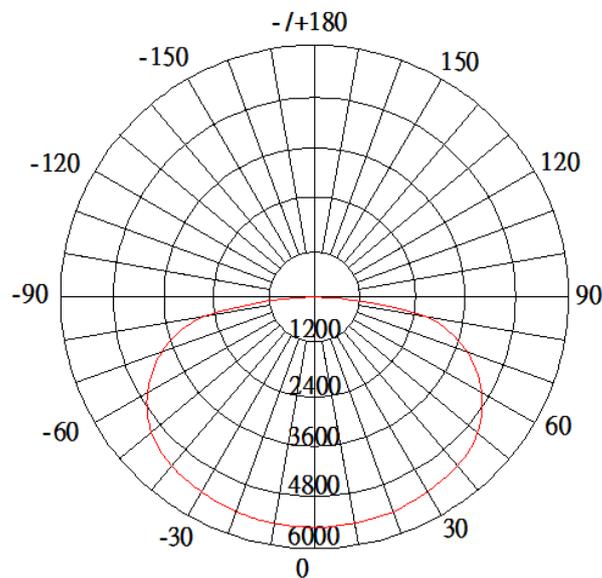
(4) into the cable into the interface and the gasket washer, tighten the pipe connector with the thread, tighten the sealing ring and cable, and then tighten the side screws to prevent the pipe thread loose; finally screwed into the threading pipe.

8. Installation diagram;

(1) This lamp has a variety of hook-type, wall-mounted, ceiling, hanging rod, hanging chain, guardrail, flange a variety of installation options to allow the installation angle of 30 ° and 90 degrees downwards tilt ° Vertical down mounting.

(2) Installation thread: G3 / 4 ", iron pipe threading, or flame-retardant silicone cable.

(3) Installation in a ventilated environment to avoid corrosive gases, the top is strictly prohibited to cover.



Installation

S/N	Name	S/N	Name
1	Pipe fitting G3 / 4 "(double outer)	8	Union G3 / 4 "(inside and outside)
2	300mm boom G3 / 4 "	9	Bending rod G3 / 4 "
3	Install the suction cup	10	Fence type pipe
4	CC type lock buckle	11	U type tube clamp
5	450mm chain	12	flange type tube
6	bolt	13	pothook G3/4"

9. Distribution curve flux.