

Maintenance-free LED explosion-proof lights



The Product Features

Optical system features

1. Imported chips are preferred, with excellent luminous flux maintenance rate and high luminous efficiency.
2. Adopt surface mount technology (SMT) to greatly improve thermal conductivity.
3. Using the latest nanotechnology, it can increase the illuminance by 16.67% compared to the coated Engineering plastics.

Drive system characteristics

1. It adopts constant current drive and has short circuit and overvoltage protection functions.
2. It can be an integrated emergency function, which is convenient and simple to install. The emergency power reduction function can be activated, which makes emergency response more energy-saving in an unmanned environment and improves the fire safety function.
3. Excellent compatibility, will not cause interference to other electrical appliances, can make the voltage tolerance 25% fluctuate.
4. The drive adopts the glue sealing process to ensure that the components are dissipated and protected from corrosion.

Structure characteristics of the whole lamp

1. Standard heat dissipation structure, the wiring cavity, power supply cavity, and light source cavity all independently dissipate heat without affecting each other.
2. The exposed fasteners and accessories are made of 304 stainless steel, which has stronger anti-corrosion performance.
3. It adopts one-piece emergency, no additional distributor box is needed, which is convenient for installation and maintenance.
4. The installation method can choose ceiling type, boom type, bracket type.

Specification

Scope of application

Applicable to explosive gas environment Zone 1 and Zone 2;
 Applicable to IIA, IIB, 1IC level explosive gas environment;
 Suitable for environments where the temperature group is T1~T6;
 Suitable for energy-saving renovation projects and places where maintenance and replacement are difficult;
 Widely suitable for large-area flood/projection lighting places in the field of petroleum, petrochemical and chemical enterprises, and various drilling operation sites and field lighting as large-area flood/projection lighting.
 Used as gas station canopy, flood lighting in various factories, and road lighting in factories.

Normal working conditions

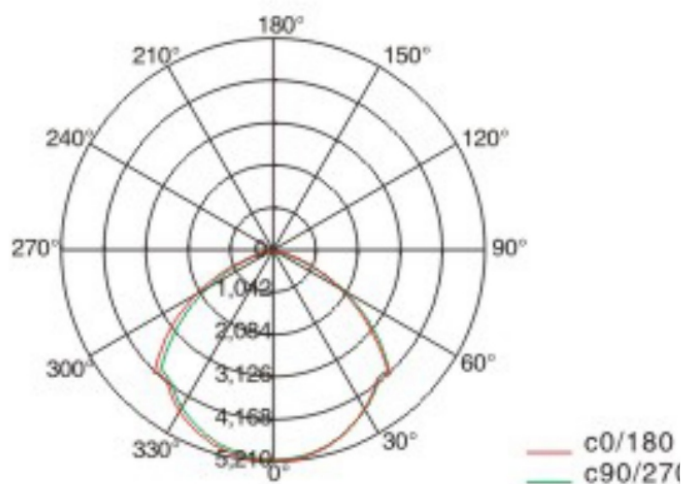
The altitude of the installation site does not exceed 2000m;
 The ambient temperature is -40~+40, and the average temperature within 24h does not exceed +35;
 The relative humidity of the surrounding air does not exceed 95% (+25)
 Where there is no severe vibration, impact or shaking;
 Applicable to Zone 1, Zone 2, IIA, IIB, C category and T1~T6 group explosive gas environment or combustible dust place;

The main technical parameters

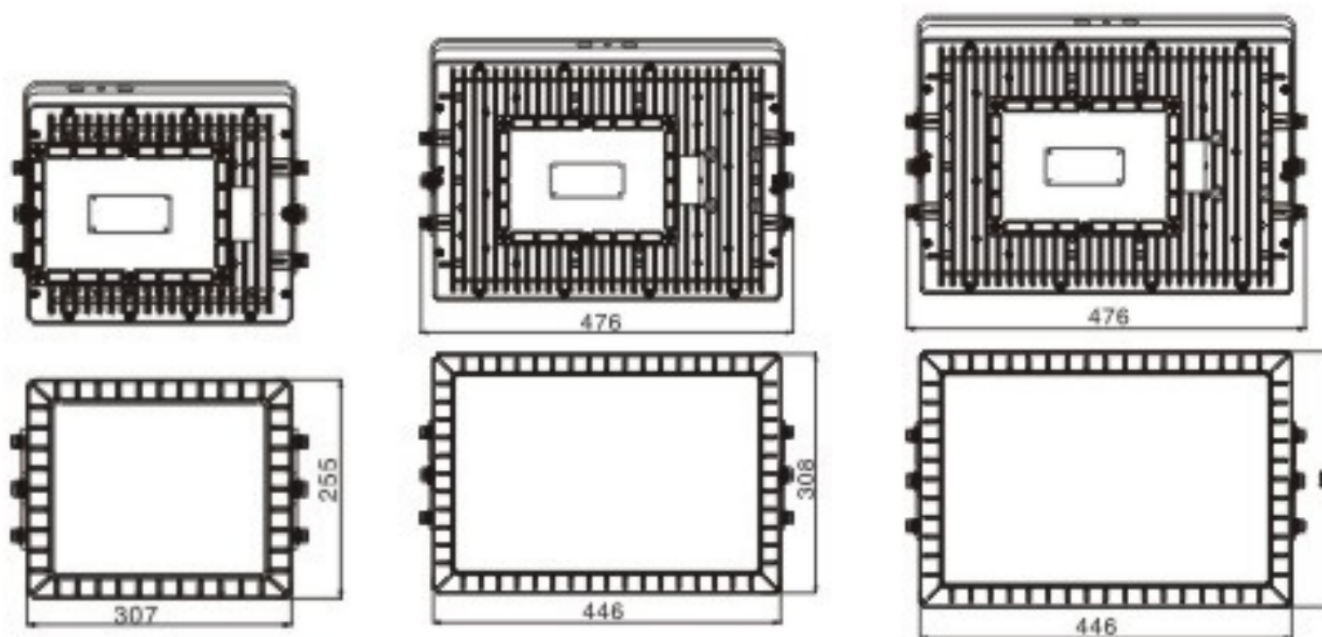
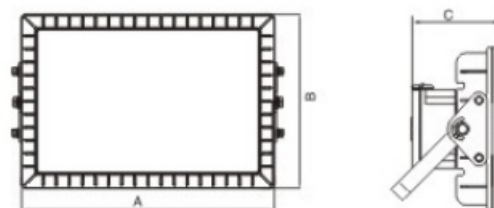
Model	(I) Type	(II) Type	(III) Type	(III) Type
Executive standard	Gb3836 (equivalent to IEC60079, EN series standards) /GB12476 (equivalent to IEC61241, EN series standards)			
Explosion-proof mark	Exd emb IICT4/6 Gb/Ex tDA21 IP66 T135°C			
Rated voltage	85-265VAC			
Frequency Range	50Hz			
Rated power	50W-100W	120W-200W	240W-300W	350W-400W
LED luminous flux	6500-13000lm	15600-26000lm	31000-37000lm	42000-52000lm
Power factor	≥0.95			
Power Efficiency	≥0.88			
Color rendering index	≥80			
Inrush current	Cold start/Cold; 30A(max) 230VAC			
Safety	UL8750,TUV EN61347-1,EN61347-2-13			
Battery compatibility standard	EN61000-3-2,TUV EN61347-1,EN61347-2-13			
Protection level	IP 66			
Anti-corrosion grade	Wf2			
Inlet thread	G3/4"			
Cable specifications	Φ7-Φ12mm			
Installation method	x: ceiling type/ b: wall suction/ q: embedded z: bracket type/ m: street lamp type			
working environment	Temperature; -40-45°C Humidity: 10%-90%			
Work life	≥50000H			
product weight	9.5kg	14.5kg	18kg	29kg

Specification

Light distribution curve and size chart



规格	序号	A	B	C
I型(30-100W)		330mm	255mm	165mm
II型100-200W)		470mm	305mm	165mm
III型(200-300W)		500mm	338mm	165mm

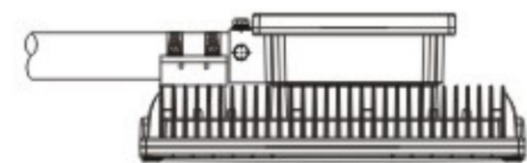


(I) Type

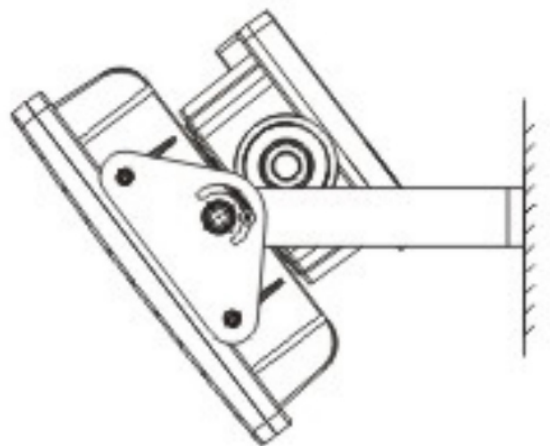
(II) Type

(III) Type

Installation & Application



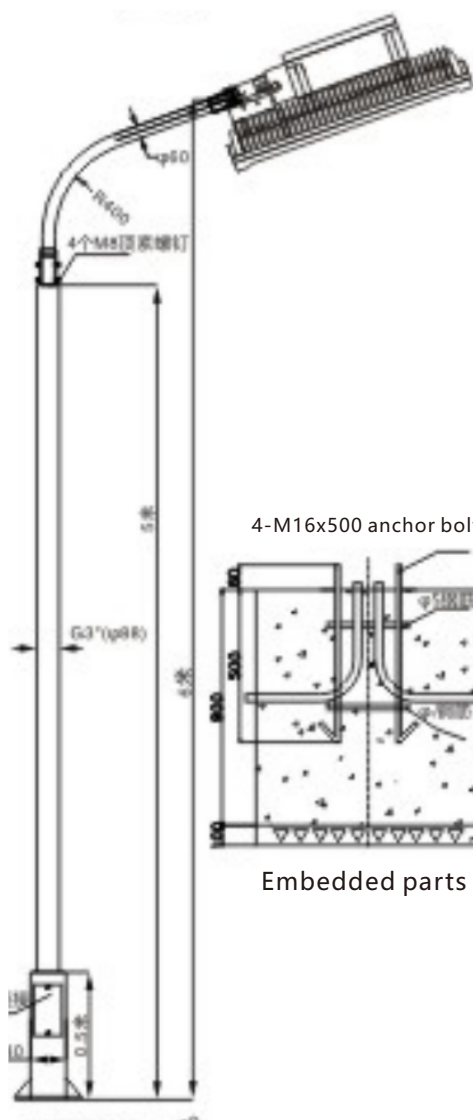
Street lamp



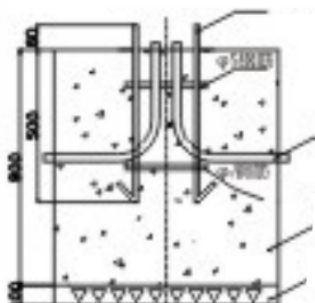
Wall-mounted



Ceiling type



4-M16x500 anchor bolt holes $\Phi 260$ uniformly distributed



Threading steel pipe

Concrete

Stone cushion

Embedded parts

1. Must have earth line in the right application!
2. After Earthing, must use insulation tape, insure the separating and water-proof.
3. Fastening the screw, take care any loose condition!
4. Input voltage not exceeding AC100~277V / DC24V!

After sale service

Response in 2 hours if you have any problem when you receive the goods.

Below condition is free of repairing.

- Damage due to faulty application and operation
- Damage due to transportation
- Damage due to self repairing.
- Damage due to natural disaster