

Maintenance-free LED explosion-proof lights



The Product Features

- ◆The power supply shell is made of aluminum alloy high pressure die-casting, and the surface is high-voltage electrostatic spray;
- ◆High-purity aluminum profile light source cavity shell, surface oxidation treatment, good thermal conductivity, good anti-corrosion performance, not easy to adhere to oil;
- ◆Using high-quality LED light source, more than 50% energy saving than fluorescent lamps;
- ◆Professional and precise light distribution design maximizes the primary reflectance of light, thereby greatly improving the efficiency of the lamp;
- ◆Equipped with high-efficiency LED electronic drive, higher reliability and longer life;
- ◆Excellent heat dissipation structure design improves the overall reliability and life span of the lamp and reduces maintenance costs;
- ◆High-quality PC material transparent cover, light diffusion technology, reasonable light distribution, effectively avoid glare, making the light more uniform and soft;
- ◆Special constant current and constant voltage power supply, wide voltage input, constant power output, with shunt, constant current, open circuit, short circuit protection functions;
- ◆Exposed fasteners are made of stainless steel with high corrosion resistance;
- ◆It can be equipped with an integrated emergency, when the power supply is cut off, the lamp will automatically switch to the emergency lighting state;
- ◆Cable wiring, steel pipe wiring, please specify.

Specification

Scope of application

- Suitable for zone 1 and zone 2 of explosive gas environment;
- Suitable for IIA, 11B, 11C level explosive gas environment;
- Suitable for environment with temperature group T1-T6;
- Widely used in the field of oilfield joint station, gas gathering station, drilling board room field lighting, and equipment supplementary lighting;
- Widely used for lighting in painting workshops and spray booths.

Normal working conditions

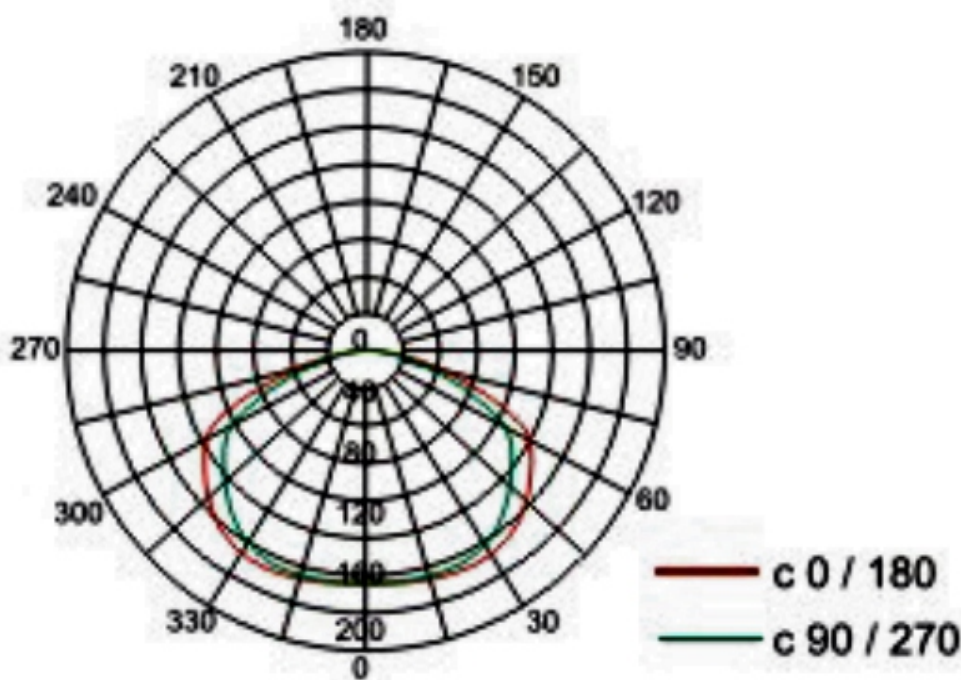
- The altitude of the installation site does not exceed 2000m;
- The ambient temperature is -40°C~+40°C, and the average temperature within 24h does not exceed +35°C;
- The relative humidity of the surrounding air does not exceed 95% (+25 °C)
- Where there is no severe vibration, impact or shaking;
-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

The main technical parameters

Model	(I) Type	(II) Type	(III) Type
Executive standard	Gb3836 (equivalent to IEC60079, EN series standards) /GB12476 (equivalent to IEC61241, EN series standards)		
Explosion-proof mark	ExnR II T6 Gb/Ex tDA21 IP66 T80°C		
Rated voltage	110-260VAC		
Frequency Range	50Hz		
Rated power	20W	40W	60W
LED luminous flux	1900lm	3600lm	5300lm
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	G1/2"		
Cable specifications	Φ7-Φ12mm		
Installation method	X: Ceiling type B: Wall suction type G: Suspension rod type H: Guardrail vertical rod type f: French railing vertical rod type W: Curved rod type		
working environment	Temperature; -40-45°C Humidity: 10%-90%		
Work life	≥50000H		
product weight	1.7kg	1.7kg	2.5kg

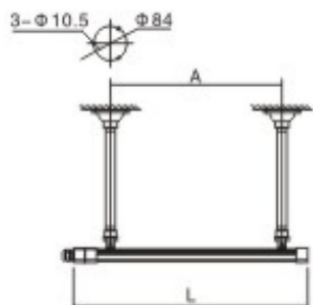
Curve Distribution& Structure

Light distribution curve and size chart



型号	L	A	B
BLDY96-L20	600	116	41
BLDY96-L40	1200	116	41
BLDY96-L60	1200	116	41

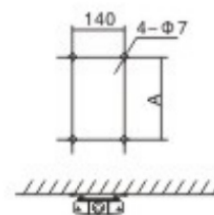
Installation&Application



Suspension rod type



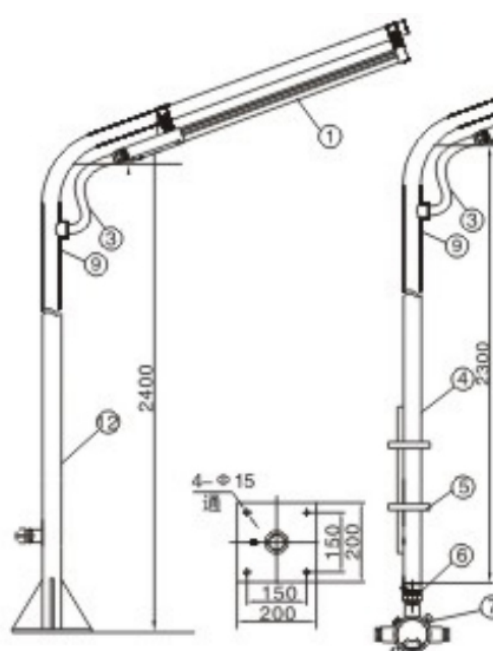
Wall-mounted



Ceiling type



Curved rod type



rench railing vertical rod type

Guardrail vertical rod type

- 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