

**Maintenance-free LED explosion-proof lights**



**The Product Features**

1. The radiator design is made of special cast aluminum alloy die-casting, and the surface is high-pressure electrostatic spray;
2. High corrosion-resistant stainless steel exposed solid parts;
3. The spigot, threaded explosion-proof joint surface, and pure explosion-proof structure, makes better explosion-proof performance Reliable;
4. Standard three-box separated structure design, and modular installation combination. effectively reduce the temperature rise and ensure the long life of the lamp;
5. Professionally designed light distribution system, multi-point light, high light utilization, reasonable light distribution, uniform illumination and no glare;
6. High-strength transparent tempered glass, impact resistance and Strong heat resistance and high light transmittance;
7. Constant current power supply with wide voltage input, constant current output, with protection functions such as shunting, anti-surge, over-current, open circuit, high temperature, anti-electromagnetic interference, etc.;
8. Power Factor Cosp $\geq$ 0.95;
9. It can be equipped with a combined emergency device according to the requirements of use, when the power supply is cut off, it can automatically switch to the emergency lighting state;
10. steel pipe or cable wiring.

**Scope of application**

1. Applicable to areas 1 and 2 of explosive environment;
2. Applicable to areas 21 and 22 of explosive dust environment;
3. Applicable to explosive gas atmospheres of IIA, IIB, and IIC;
4. Applicable to T1~T6 temperature Group;
5. Suitable for energy-saving renovation projects and places where maintenance and replacement are difficult;
6. Widely used for lighting in places such as petroleum exploration, oil refining, chemical industry, military industry, textile, food processing, offshore oil platforms, and tankers.

### Features

#### Emergency parameters/intelligent dimming

Emergency start time (S)	Charging time (h)	Emergency power (W)	Emergency lighting time (min)
≤0.3	24	10~50 optional	60min, 90min optional

#### Feature display

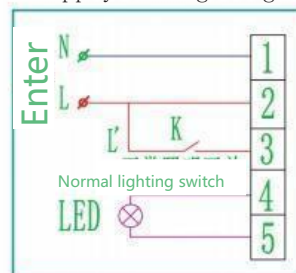


Well-known brand chips, reasonable arrangement, one-way light, uniform and soft light, light efficiency ≥130lm/W, high color rendering Ra>80, long service life, green and environmental protection, color temperature 3000K~6500K.



Microwave induction dimming system:  
A: when the human body is within the range of the lamp (5~10 meters adjustable), the lamp runs at full power;  
B: When the human body leaves (0~30S adjustable), the lamp will be reduced to 20% power operation, which is energy-saving and environmentally friendly.

Emergency power supply wiring diagram

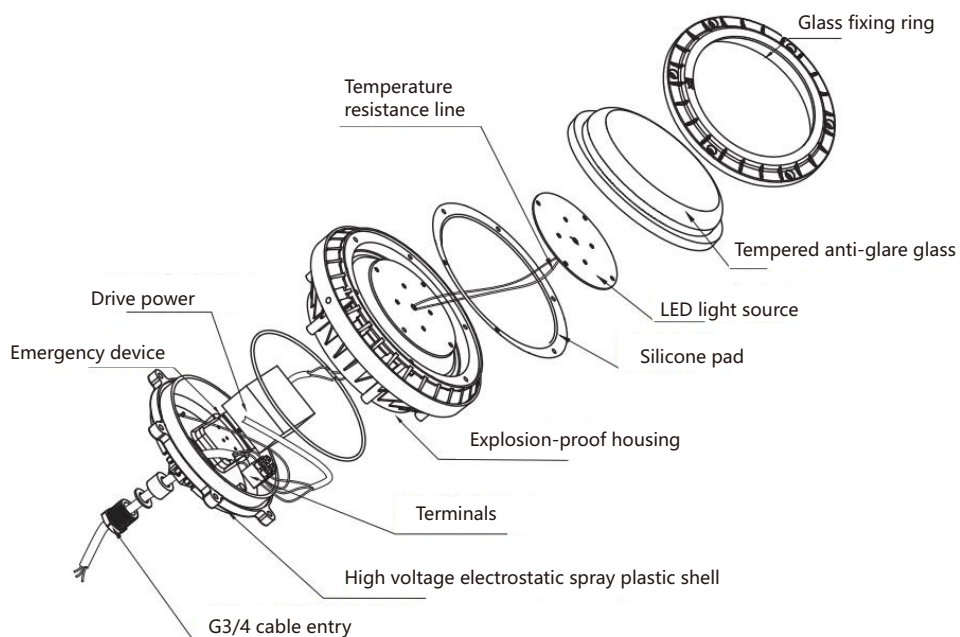


#### Specification

Model specification	Explosion-proof mark	Light source	Lamp type	Power (W)	Luminous flux (Lm)	Color temperature (K)	Weight (kg)
Kingkong -30-200W	Ex d IIC T6 Gb/ Ex tD A21 IP66 T80°C	LED	I	30~80	6000~12000	3000~6500	4.3
			II	90~150	14400~18000		6.5
			III	160~200	19200~24000		7.1

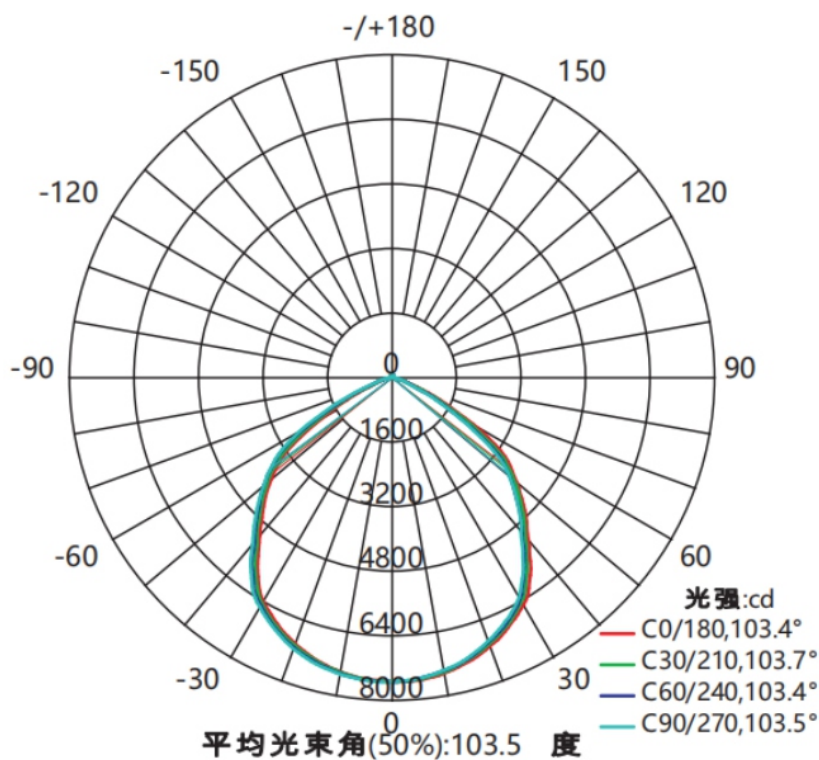
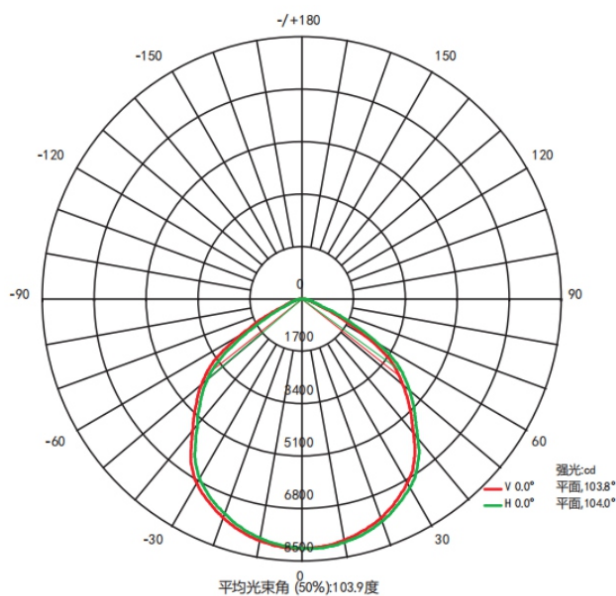
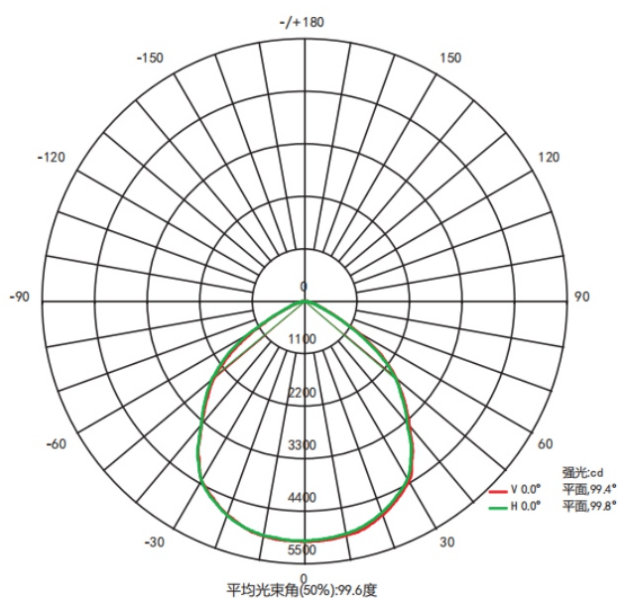
Rated voltage/frequency	Inlet thread	Cable outer diameter	Protection level	Anti-corrosion grade
220V/50Hz	G3/4 NPT3/4 M25X1.5	Φ9 ~ Φ14mm	IP66	WF2

#### Structure analysis

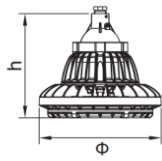


Curve Distribution& Structure

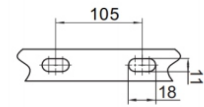
Light distribution curve



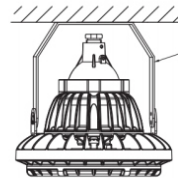
### Installation&Application



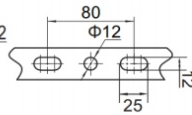
Serial number	Specification model	Lamp housing type	Power range (W)	Φ(mm)	h(mm)
1		I	30-80	252	219
2		II	90-150	306	240
3		III	160-200	352	250



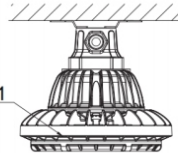
Ceiling box installation size



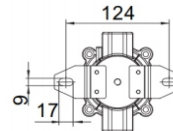
Conventional bracket



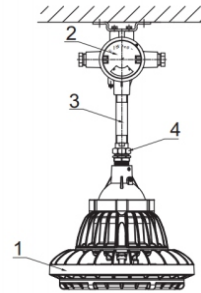
Bracket type installation size



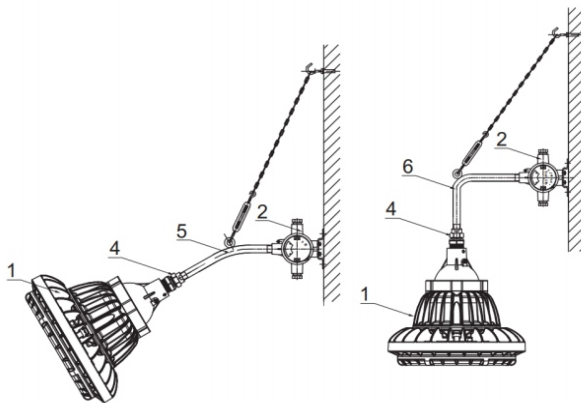
Ceiling type



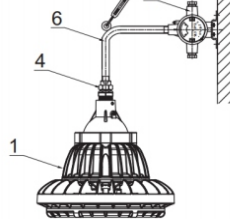
Ceiling installation size



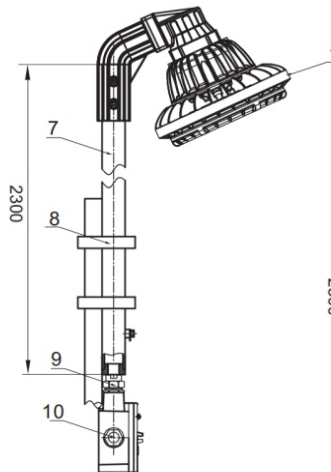
Boom type



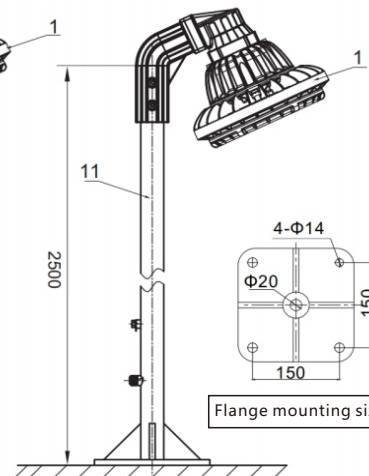
Wall type 30°



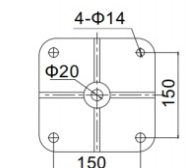
Wall type 90°



Guardrail



Flange type



Flange mounting size

- 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 sorew,in case it gets loose!
- 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.