

## BED57 series explosion-proof maintenance free energy-saving LED lamp

### Scope of application

1. Used in Zone 1 and Zone 2; Zone 21 and Zone 22; IIA, IIB, IIC;
2. Temperature group: T1~T6;
3. Suitable for energy saving renovation projects and places where maintenance and replacement are difficult;
4. Widely used in petroleum exploitation, refining, chemical industry, military industry, textile, food processing and offshore oil platform, tanker and other places of lighting.



Lamps

### Feature of product

1. The radiator is designed to be made of special cast aluminum alloy by die-casting, and its surface is sprayed with high voltage static electricity;
2. Exposed stainless steel fasteners with high corrosion resistance;
3. Separate structure of light source cavity and power supply cavity;
4. Specially designed light distribution system, with high light utilization rate, reasonable light distribution, uniform illumination and no glare;
5. The junction box is of labyrinth structure, equipped with silicone rubber sealing strip, firmly pasted, and of high protection grade;
6. Toughened glass made of high-strength material, with strong impact resistance, thermal shock resistance and high light transmittance;
7. The constant current power supply has wide voltage input and constant current output, and has the protection functions of shunt, surge prevention, overcurrent, open circuit, high temperature, anti electromagnetic interference, etc;
8. Power factor  $\cos \phi \geq 0.95$ ;
9. The combined emergency device can be equipped according to the use requirements. When the power supply is cut off, it can automatically switch to the emergency lighting state;
10. Cable routing.

### Featured display



Well-known brand chips, reasonable arrangement, unidirectional light emission, uniform and soft light, light efficiency  $> 120\text{lm/W}$ , high color rendering  $R_a > 70$ , long service life, green environmental protection, color temperature 3000K~5700K.



The adjusting mechanism can adjust the irradiation angle from  $0^\circ$  to  $270^\circ$ .



The fin design of the heat dissipation structure increases the surface area of the heat dissipation, and the air convection groove is set to effectively dissipate the heat of the light source cavity by using the air flow, so as to ensure the long service life of the lamp.



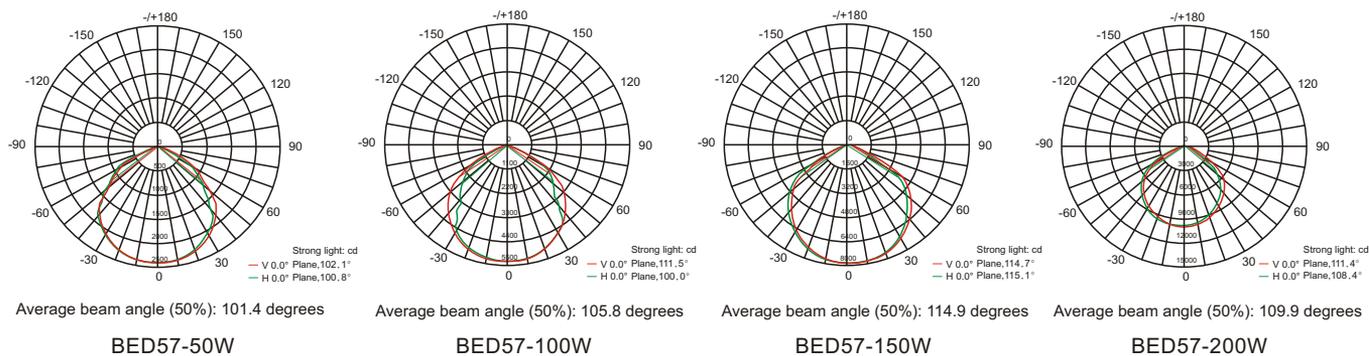
The integrated innovative design of optical components and anti glare components adopts multi-point light distribution, with uniform illumination and no glare; Multi angle options, suitable for places with different installation heights.

## Technical parameter

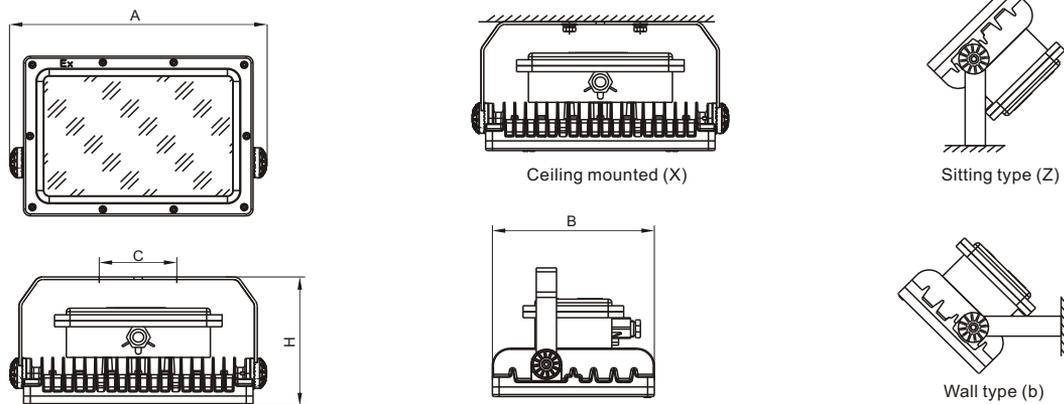
Model	Explosion-proof mark	light source	Lamp type	Power (W)	Luminous flux (Lm)	Color temperature (k)	Weight (kg)
BED57-□	Ex db eb mb II C T6 Gb Ex tb III C T80°C Db	LED	I	30~60	3600~7200	3000~5700	4
			II	70~100	8400~12000		8
			III	120~160	14400~19200		11
			IV	180~240	21600~28800		14

Rated voltage/frequency	Inlet thread	Cable outer diameter	Protection class	Corrosion class
220V/50Hz	G3/4	Φ10~Φ14mm	IP66	WF2

## Light distribution curve



## Appearance and installation example



## Accessories selection table

Number	Specifications	Type	Power Range (W)	A(mm)	B(mm)	C(mm)	H(mm)
1	BED57-60W	I	30-60	280	170	105	177
	BED57-100W	II	70-100		240	115	194
3	BED57-160W	III	120-160	456	294	150	214
4	BED57-240W	IV	180-240	520	340	150	214