

## LED EXPLOSION-PROOF LIGHT

**EPL03** Series



EPL03A(Flange)

EPL03B(Bracket)

## **Applications**

Applied to oil fields, oil refineries, offshore oil platform, power plants, gas stations, oil tanks, wharf, tunnel, pumping station, substation, the military base,etc. Zone I and Zone II Hazardous Locations, Zone 20, Zone 21, Zone 22 and II A, II B, II C explosive gas atmosphere.



## **Features**

- Patented design for heat dissipation to ensure life of light source up to 50000 hours.
- Bridgelux LED chip; die casting aluminum housing,, with anti-static and anti-corrosion powder painting, high explosion proof grade of flameproof type; dust-proof, waterproof,lens made of high tempered glass which special designed to different beam angle.
- Low power consumption while high light efficiency, power consumption just 20% as much as high pressure sodium lamp, mercury lamp at the same luminous condition, it saves energy more than 75% than that traditional light.
- Advanced quadratic light distribution design result in high uniformity of illumination and good lighting quality, clear lighting effect without a double image.
- Beautiful appearance, several types of installation methods available.

Can be used as explosion proof LED street light

(special design frame)



Rated Power	60/80/100/120W
Ex mark	E Ex dIIB T5
IP Grade	IP66
Corrosion-proof Grade	WF2
Input Voltage	AC110/220V(applied to 90 ~ 305V)
Input Frequency	50/60HZ
Beam Angle	60°/90°/120°/140°/140°(transversely)70°(vertically)
Actual Luminous Efficiency	80~90lm/W (LED itself: 100lm/W)
Color Temperature	Warm white: 2700 ~ 4500K/Pure white 5000 ~ 6500K
CRI	>70
Power Factor	>0.9
Ambient Temperature	-40 ~ 60 °C
Lifetime	> 50,000hrs  Annual Bin Amaz (800), 40,0000  Or Light distribution curve  90° Light distribution curve
Net Weight	6.3Kg
Dimension	300 × 300 × 226mm
Packing size	380 × 380 × 320mm
AAI Fiqure  120° Light distribution curve  140° Light distribution curve	
HEIGHT Vertical illuminance Irradiation range (50/60/80/100/120W)  8Μ 87/112/134/141/162Lx Φ10Μ  HEIGHT Vertical illuminance Irradiation range (50/60/80/100/120W)  8Μ 31/38/52/64/71Lx Φ20Μ	
10M 56/72/86/92/104Lx Φ13M 10M 20/24/34/41/46Lx Φ24M	
12M 39/50/59/66/73Lx Φ16M 12M 14/18/23/27/32Lx Φ24M 20M 14/18/21/23/26Lx Φ24M 14/18/21/23/26Lx Φ25M	
The minimum lux at edge is 4 LX  The minimum lux at edge is 4 LX	
HEIGHT (120° BEAM ANGLE) Vertical illuminance Irradiation range (50/60/80/100/120W) HEIGHT (140° BEAM ANGLE) Vertical illuminance Irradiation range (50/60/80/100/120W)	
6M 30/32/43/52/61Lx Φ18~20M 6M 20/23/31/38/44Lx Φ20~24M 8M 11/13/17/21/25Lx Φ24~28M	
10M 10/11/15/20/23Lx Φ24~28M 10M 7/8/11/13/16Lx Φ26~32M	
12M	
Examples of mounting	
Ceiling (Suspension boom) Wall  Street light	
	Street light