



LED EXPLOSION-PROOF LIGHT

EPL03 Series



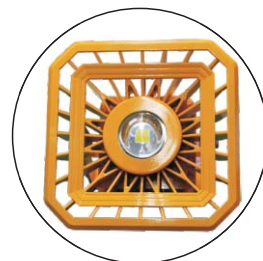
EPL03A(Flange)



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.



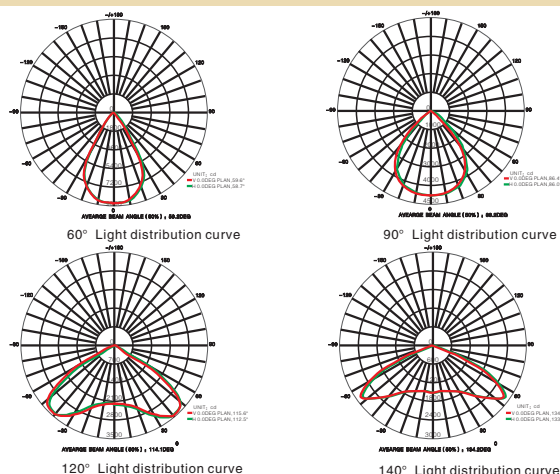
Features

- 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
Net Weight	6.3Kg
Dimension	300 × 300 × 226mm
Packing size	380 × 380 × 320mm



AAI Figure

HEIGHT (60° BEAM ANGLE)	Vertical illuminance (50/60/80/100/120W)	Irradiation range
8M	87/112/134/141/162Lx	Φ 10M
10M	56/72/86/92/104Lx	Φ 13M
12M	39/50/59/66/73Lx	Φ 16M
20M	14/18/21/23/26Lx	Φ 24M

The minimum lux at edge is 4 LX

HEIGHT (90° BEAM ANGLE)	Vertical illuminance (50/60/80/100/120W)	Irradiation range
8M	31/38/52/64/71Lx	Φ 20M
10M	20/24/34/41/46Lx	Φ 24M
12M	14/18/23/27/32Lx	Φ 24M
14M	10/13/17/21/23Lx	Φ 25M

The minimum lux at edge is 4 LX

HEIGHT (120° BEAM ANGLE)	Vertical illuminance (50/60/80/100/120W)	Irradiation range
6M	30/32/43/52/61Lx	Φ 18~20M
8M	15/17/24/30/35Lx	Φ 21~24M
10M	10/11/15/20/23Lx	Φ 24~28M
12M	7/8/11/13/16Lx	Φ 28~32M

The minimum lux at edge is 4 LX

HEIGHT (140° BEAM ANGLE)	Vertical illuminance (50/60/80/100/120W)	Irradiation range
6M	20/23/31/38/44Lx	Φ 20~24M
8M	11/13/17/21/25Lx	Φ 24~28M
10M	7/8/11/13/16Lx	Φ 26~32M
12M	4/6/8/10/12Lx	Φ 30~36M

The minimum lux at edge is 4 LX

Examples of mounting

