



LED EXPLOSION-PROOF LIGHT

EPL05 Series



EPL05A(Flange)



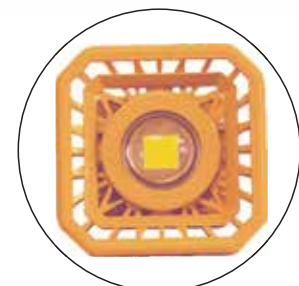
EPL05B(Bracket)

Applications

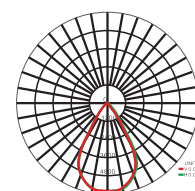
Applied to oil fields, oil refineries, offshore oil platform, power plants, gas stations, oil tanks, wharf, tunnel, pumping station, substation, the military base, etc. Zone I and Zone II Hazardous Locations, Zone 20, Zone 21, Zone 22 and II A, II B, II C explosive gas atmosphere.

Features

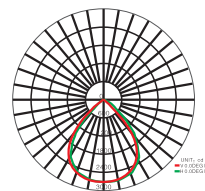
- Patented design for heat dissipation to ensure life of light source up to 50000 hours.
- Bridgelux LED chip; die casting aluminum housing,, with anti-static and anti-corrosion powder painting, high explosion proof grade of flameproof type; dust-proof, waterproof, lens made of high tempered glass which 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.



Light distribution curve

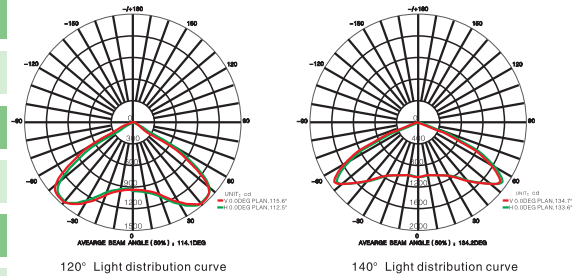


60° Light distribution curve



90° Light distribution curve

Rated Power	20/30/40/50W
Ex mark	E Ex dIIB T6
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	> 0.90
Ambient Temperature	-40 ~ 60°C
Lifetime	> 50,000hrs
Net Weight	3.8Kg
Dimension	220 × 220 × 202mm
Packing size	290 × 290 × 320mm



AAI Figure

HEIGHT (60° BEAM ANGLE)	Vertical illuminance (20/30/40/50W)	Irradiation range
6M	61/95/121/155Lx	Φ 10M
8M	34/53/68/87Lx	Φ 13M
10M	22/34/44/56Lx	Φ 15M
12M	15/24/30/39Lx	Φ 17M

The minimum lux at edge is 4 LX

HEIGHT (90° BEAM ANGLE)	Vertical illuminance (20/30/40/50W)	Irradiation range
6M	23/36/43/55Lx	Φ 15M
8M	13/20/24/31Lx	Φ 17M
10M	8/13/16/20Lx	Φ 20M
12M	6/9/11/14Lx	Φ 24M

The minimum lux at edge is 4 LX

HEIGHT (120° BEAM ANGLE)	Vertical illuminance (20/30/40/50W)	Irradiation range
3M	42/68/95/108Lx	Φ 12M
4M	24/38/53/61Lx	Φ 14M
5M	15/24/34/39Lx	Φ 16M
6M	10/17/24/27Lx	Φ 18M

The minimum lux at edge is 4 LX

HEIGHT (140° BEAM ANGLE)	Vertical illuminance (20/30/40/50W)	Irradiation range
3M	33/50/61/79Lx	Φ 13M
4M	19/28/35/44Lx	Φ 16M
5M	12/18/23/28Lx	Φ 18M
6M	8/13/16/18Lx	Φ 20M

The minimum lux at edge is 4 LX

Examples of mounting

