TORMIN BC9102R series LED Explosion Proof Light (Street light)



EX marking: Ex db eb mb IIC T4/T5/T6 Gb
Ex tb IIIC T130℃ /T95℃ /T80℃ Db



Application

This product is widely used for road lighting in dangerous places such as petroleum exploration, oil refining, chemical industry, and power plants;
Applicable to places with high humidity and corrosion protection;
Suitable for explosive gas or dust environment zone 1, zone 2, or zone 21, zone 22;
Suitable for IIA, IIB, IIC explosive gas environment;
Suitable for temperature group T1~T6 group.
Applicable ambient temperature is -40℃ ~ +40℃/ +55℃.

Characteristics

■ The lamp adopts modular design, and the module can be quickly replaced without welding on site;

■ The lamp housing is made of copper-free aluminum, anodized or sprayed with high-grade anticorrosive plastic powder. The mounting bracket and standard parts are made of SUS304 stainless steel, which can be used in high corrosive environments for a long time;

■ Adopt a unique heat dissipation structure, semi-closed and transparent heat dissipation structure to ensure efficient heat conduction, radiation and convection, so as to ensure the service life of the LED;

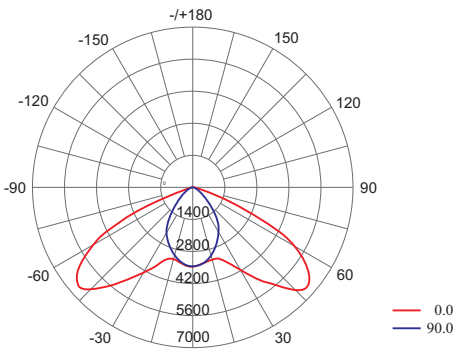
■ The protection level reaches IP66, which can effectively resist heavy rain;

■ The illumination is uniform within the illumination range of the lamp, and the illumination angle is up to 60X120 degrees, which fully effectively utilizes the light;

■ The light source adopts international brands, the whole light efficiency is greater than 125lm/W, and the power consumption is only 40% of the metal halide lamp;

■ All key components of the power supply adopt world-renowned brands, which are efficient and stable.

Light distribution curve



Main Specification

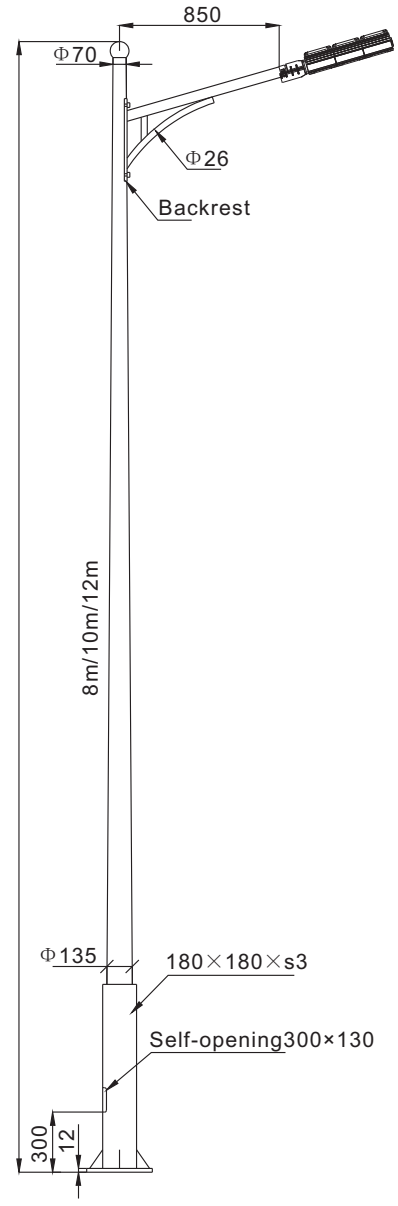
Item	Technical parameter
Rated voltage	120~240VAC (60W/100W/120W/150W)
Rated frequency	50Hz / 60Hz
CRI(Ra)	70 (80 Optional)
CCT	5000K (3000K/4000K Optional)
Outer diameter of street light pole range	Φ55～ Φ60(Φ40～ Φ55 Optional)

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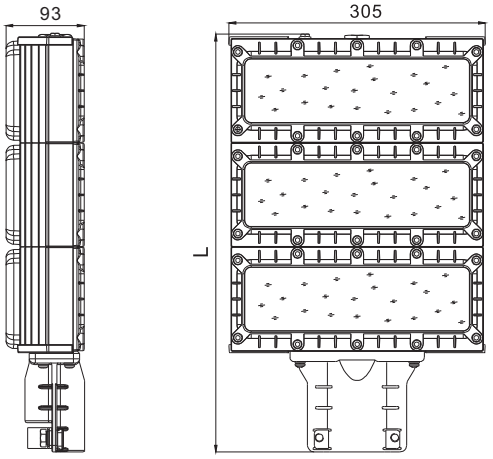
Ordering reference

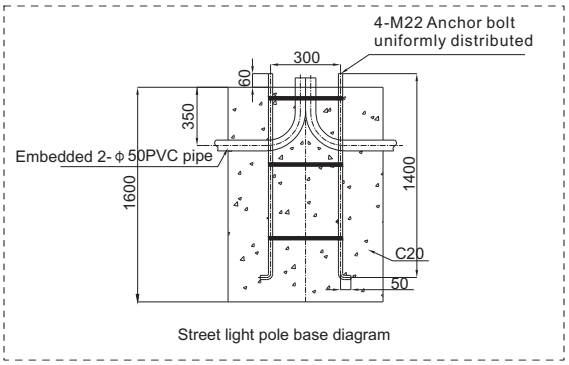
Model number	Rated wattage(W)	Light output (lm)	Net weight (Kg)	Space height ratio	Mounting Height(m)	Dimension(mm)	Replace to Metal Halide Lamp
BC9102R-L60	60	7600	5	1.4	6~8m	248(L)X305(W)X93(H)	150W
BC9102R-L100	100	12675	8.3		6~10m	272(L)X305(W)X93(H)	250W
BC9102R-L120	120	14803					250W~400W
BC9102R-L150	150	18675	11.7		8~12m	497(L)X305(W)X93(H)	400W

Drawing of dimension (Dimensions in mm)

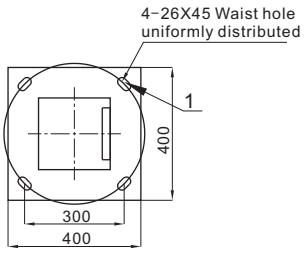


One-arm installation (optional lighting pole)

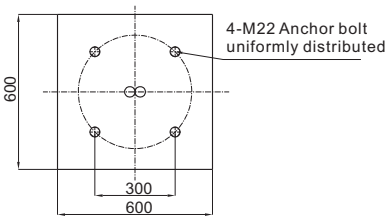




Street light pole base diagram



Schematic diagram of bottom flange



Street light pole base diagram