TORMIN BC9102S series LED Explosion Proof Light (Bracket)



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



Application

This product is widely used as work 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 anti-corrosive 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 illumination is uniform within the illumination range of the lamp, and the illumination angle is 80X100 degrees, which fully utilizes the light;

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

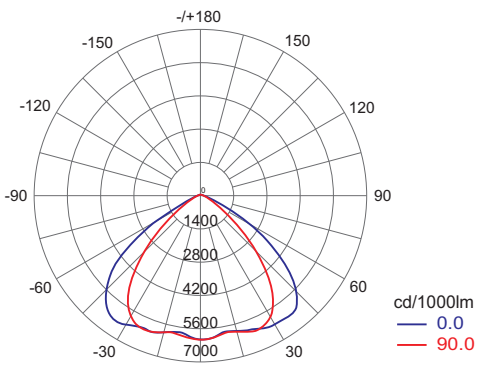
■ Can be connected in parallel, eliminating the junction box and installation costs;

■ 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;

■ The bracket and standard parts could be customized by 316 stainless steel, which can be used in anti-corrosion environments such as offshore platforms for a long time.

Light distribution curve



Main Specification

Item	Technical parameter
Rated voltage	120~240VAC (30W~60W/100W/120W/ 150W/180W/240W/300W)
Rated frequency	50Hz / 60Hz
CRI(Ra)	70(80 optional)
CCT	5000K (3000K/ 4000K optional)
Screw thread	M20×1. 5, NPT1/2

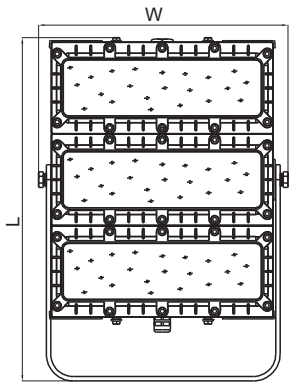
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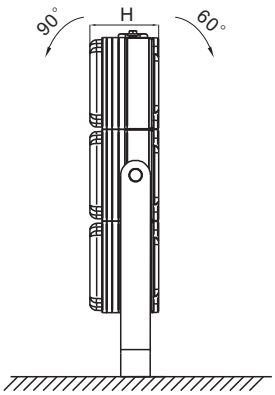
Ordering reference

Model number	Rated wattage(W)	Light output (lm)	Net weight (Kg)	Space height ratio	Mounting Height(m)	Dimension(mm)	Replace to Metal Halide Lamp
BC9102S-L60	60	7600	5	1.4	5~8	212(L)X338(W)X93(H) (30~80W)	150W
BC9102S-L100	100	12675	8.3		8~12	337(L)X338(W)X93(H) (100~120W)	250W
BC9102S-L120	120	14803			8~12		250W~400W
BC9102S-L150	150	18675	12.4		10~15	464(L)X338(W)X93(H) (150~180W)	400W
BC9102S-L180	180	22409			10~15		400W
BC9102S-L240	240	28035	15.8		15~20	587(L)X338(W)X93(H)	600W
BC9102S-L300	300	38025	19.5		15~20	711(L)X338(W)X93(H)	600W~1000W

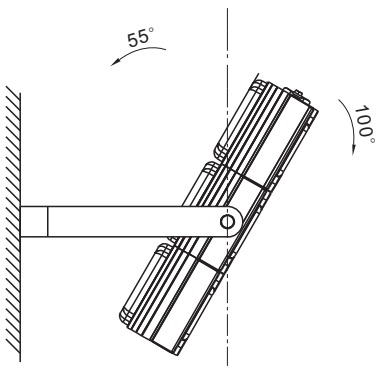
Drawing of dimension (Dimensions in mm)

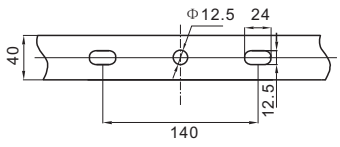
Bracket mounted





Side wall mounted





Installation size