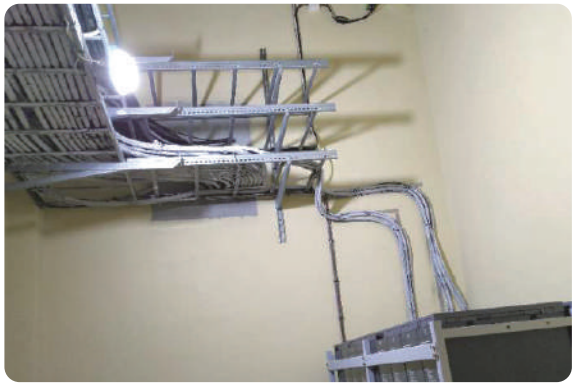
TORMIN BC9200 Series Maintenance Free Energy-saving Explosion-proof Lamp



Ex marking: Ex db eb IIC T6 Gb,
Ex tb IIC T80℃ Db

Reference Standard:
IEC 60079-0:2017, IEC 60079-1:2014,
IEC 60079-31:2022, IEC 60079-7:2017



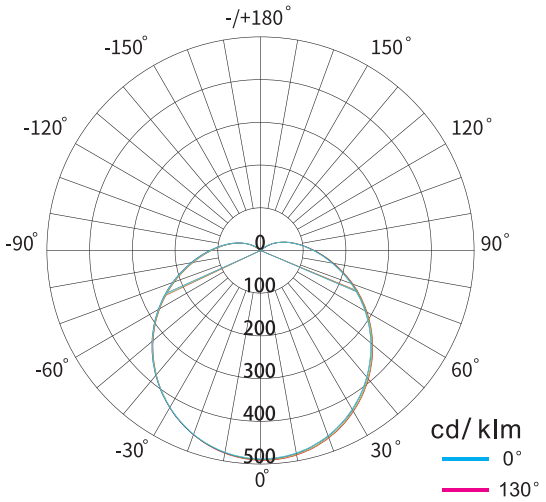
Application

- This product is widely used in small control rooms, operation rooms, mezzanines, hallways, door lintels, grooves, sampling ports, material ports, tank bottoms and other narrow spaces;
- Applicable to places with high humid corrosion protection levels;
- Applicable to explosive gas environment Zone 1 and Zone 2, and explosive dust environment Zone 21 and Zone 22;
- Applicable to IIA, IIB, IIC explosive gas environments and explosive dust environments;
- Applicable to temperature groups T1~T6.

Characteristics

- The lamp is small in size and light in weight; it is particularly suitable for lighting in small spaces in various hazardous gas environments;
- Flexible light output, no glare and blue light hazards, especially suitable for long-term lighting in small spaces where people work;
- The lamp has an independent wiring cavity, and no wiring box is required during installation, saving time and cost;
- American Lumileds light source, energy saving is more than 60% compared with metal halide lamps;
- The protection level of the whole lamp is IP66, which can be used in various indoor and outdoor sand, dust, rain, fog, and sea wave environments for a long time.

Light Distribution Curve



Average beam angle (50°): 130°

Main Specification

Item	Technical Parameters
Input voltage	90~264VAC
	18~43VAC/ 18~55VDC (Low voltage optional)
Rated wattage	6W~20W
Rated frequency	50Hz / 60Hz
Light source	LED
Life time	50,000hrs
CRI (Ra)	70
CCT	5000K (3000K/ 4000K optional)
Leading-in cable diameter	Φ6mm~ Φ8mm
Dimensions	Φ150×140mm
Net weight	1.3kg
Cable entry size	M20, NPT1/2", G1/2"

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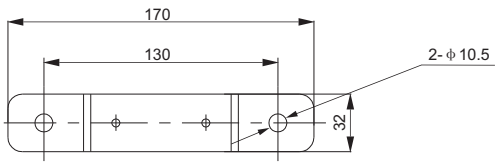
Ordering Reference

Model number	Rated wattage (W)	Light output (lm)	Mounting height (m)	Equivalent to Energy saving lamp
Input voltage: 90~264VAC				
BC9200-L6	6W	>720	2~4m	18W
BC9200-L12	12W	>1340		22W
BC9200-L15	15W	>1800		28W
BC9200-L20	20W	>2400		42W
Input voltage: 18~43VAC/ 18~55VDC				
BC9200-L6D	6W	>720	2~4m	18W
BC9200-L12D	12W	>1340		22W
BC9200-L15D	15W	>1800		28W
BC9200-L20D	20W	>2400		42W

Conventional example: The Light order number is BC9200-L6-5000K, product model as BC9200, rated power as 6W, color temperature as 5000K;
Low voltage example: The Light order number is BC9200-L6D-5000K, product model as BC9200, rated power as 6W, voltage as low voltage D, color temperature as 5000K.

Drawing of dimension (Dimensions in mm)



Installation dimension

