TORMIN BC9700 series High Power LED Explosion Proof Light

IECEx
ATEX
CE
LM79
LM84
IP 66
Ta 40/55
Ta -40



Ex marking: Ex db IIC T5/T4/T3 Gb
Ex tb IIIC T95℃/T130℃/T195℃ Db

Application

- Zone 1,zone 2;zone 21,zone 22
- Suitable for Low installation height in Moist corrosive environment ,such as offshore drilling platform, Oil Terminal, etc.
- Ideal to be used in the environment of flammable gas, steam and dust environment, such as Petrochemical Plant, Chemical Plant, Coal Washery, Pharmaceutical Factory, etc.
- Areas for high demand of high temperature performance.



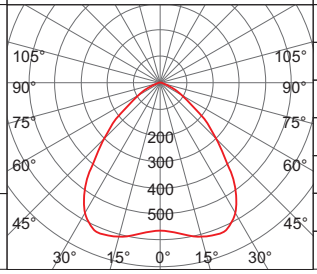
Characteristics

- A full range of high conductivity material accelerate convection cooling structure, effective guarantee long-term use in high temperature environments.
- Variety of light distribution, variety of installation types, an effective solution to beautify workshop and device platform.
- It adopts imported light source, no dark spot, energy-saving is 60% more than Metal Halide Lamp.
- AC-DC wide voltage driver, power factor above 0.98.
- The rapid replacement of power without welding can be realized.
- The adjustable locking device on the bracket can tightly fix the lamp to any desired angle, making the lamp resist to harsh vibration.
- It is made using aluminum housing, all exposed fasteners adopt 304 stainless steel. Using high-tech anti-corrosion surface treatment technology, suitable for hazardous working areas.
- Windward area is only 30% of the traditional lamp, suitable for high-altitude winds area.
- Intelligent control functions can be realized.
- Lighting effect max approx 120lm/W depends on the beam angle and light source

Main Specification

Item	Technical Parameters
Input voltage (V)	90~305VAC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI (Ra)	70 (80 optional)
CCT	5000K(3000K/4000K optional)
Cable Entry	M20×1.5, M25×1.5, G3/4", NPT1/2", NPT3/4"
Dimension (mm)	300×202×332
Net weight (kg)	6.3

Ordering Reference

Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to MH
BC9700-L50-80°		50W	6000	1. 35	8~12m		150W
BC9700-L60-80°		60W	7200				150W
BC9700-L80-80°		80W	9600				175W
BC9700-L100-80°		100W	12000				250W
BC9700-L120-80°		120W	14400				＞250W
BC9700-L150-80°		150W	18000		10~15m		400W
BC9700-L200-80°		200W	24000				＞400W

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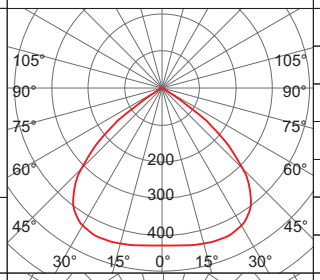
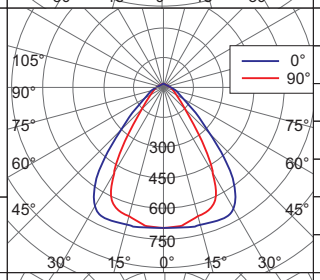
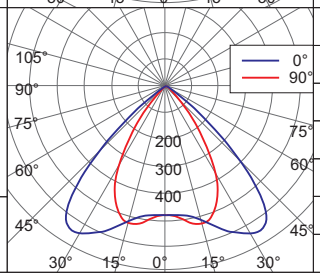
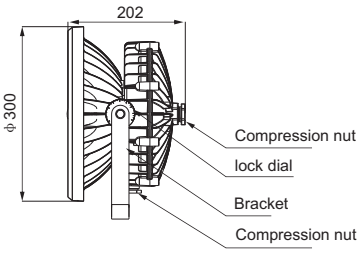
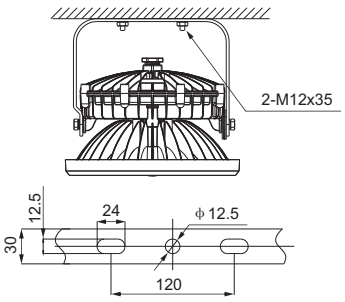
BC9700-L50-100°		50W	6000	1. 4	8~12m		150W
BC9700-L60-100°		60W	7200				150W
BC9700-L80-100°		80W	9600				175W
BC9700-L100-100°		100W	12000				250W
BC9700-L120-100°		120W	14400				＞250W
BC9700-L150-100°		150W	18000		10~15m		400W
BC9700-L200-100°		200W	24000				＞400W
BC9700-L50-60°×80°		50W	6000	1.25	8~12m		150W
BC9700-L60-60°×80°		60W	7200				150W
BC9700-L80-60°×80°		80W	9600				175W
BC9700-L100-60°×80°		100W	12000				250W
BC9700-L120-60°×80°		120W	14400				＞250W
BC9700-L150-60°×80°		150W	18000		10~15m		400W
BC9700-L200-60°×80°		200W	24000				＞400W
BC9700-L50-90°×110°		50W	6000	1.75	8~12m		150W
BC9700-L60-90°×110°		60W	7200				150W
BC9700-L80-90°×110°		80W	9600				175W
BC9700-L100-90°×110°		100W	12000				250W
BC9700-L120-90°×110°		120W	14400				＞250W
BC9700-L150-90°×110°		150W	18000		10~15m		400W
BC9700-L200-90°×110°		200W	24000				＞400W

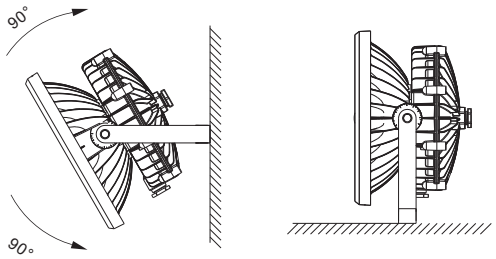
Note: Other lens not shown on the data sheet could be optional base on client requirement.

Drawing of dimension (Dimensions in mm)

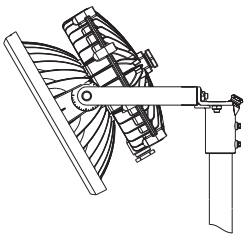


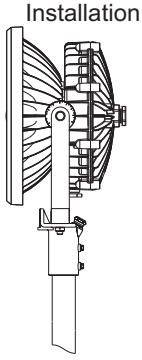


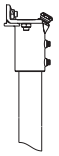
Installation dimensions



Standard







Vertical mounting pole
(Suitable for ϕ40-φ50 mm pole)

Pole mounted (With extra vertical mounting pole)