



BC9101 Series LED Explosion proof Light

LED



ATEX Ex Marking:

2 GD
Ex d B T6 Gb ,
Ex tb C T80 Db

Standard: GB3836.1, GB3836.2

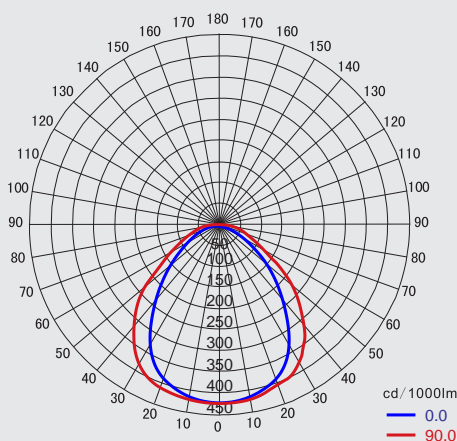
EN60079-0: 2009, EN60079-1: 2007,

EN60079-31: 2009

IEC60079-0: 2007, IEC60079-1: 2007,

IEC60079-31: 2008

Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment: Group IIA; IIB.
- Zone 1, Zone2; Zone 21, Zone 22.
- Temperature class: T1 to T6.

Characteristics

- With its reflector which have different angles design, it efficiently utilize the light. Have a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- It adopts American CREE LED as light source, can save 60% or more on energy than metal halide lamp.
- The housing is especially designed to dissipate heat, which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- World top ranking Taiwan Meanwell LED Driver, power factor:0.98, has a highly stable performance.
- The adjustable locking device on the bracket can tightly fix the lamp to any desired angle, making the lamp resist to harsh vibration
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.
- Multiple mounting options including ceiling mounting, pendent mounting, wall mounting etc.
- The lamp can parallel connected , no need to use the junction box.
- 18~43VAC or 18~55VDC is optional for 25W and 40W as customer's requirement.

Technical Specification

Input Voltage	90~305VAC / 127~431VDC
Frequency	50Hz / 60Hz
Anti corrosion grade	WF2
Insulation Grade	I
Spacing height ratio	4.5
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	370 × 326 × 88mm
Net Weight	6.5Kg

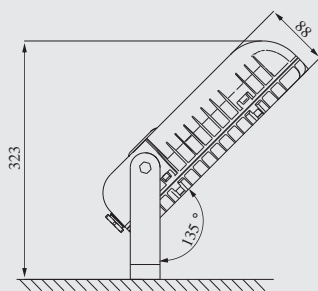
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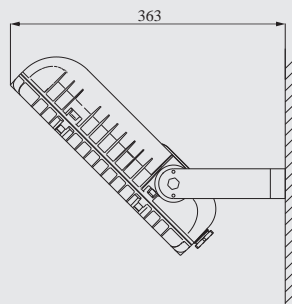
Ordering reference

Model Number	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to			
					Metal Halide Lamp	Electrode Less Lamp	Energy Saving Lamp	High Pressure Mercury Lamp
BC9101-L25	90~305VAC or 127~431VDC	LED	25	3,300	70W	60W	80W	80W
BC9101-L40		LED	40	5,508	100W	100W	130W	125W
BC9101-L60		LED	60	8,138	150W	135W	180W	175W
BC9101-L80		LED	80	9,168	175W	165W	/	250W
Optional								
BC9101-L25-D	18~43VAC or 18~55VDC	LED	25	3,300	70W	60W	80W	80W
BC9101-L40-D		LED	40	5,508	100W	100W	130W	125W

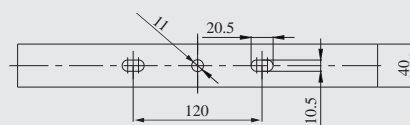
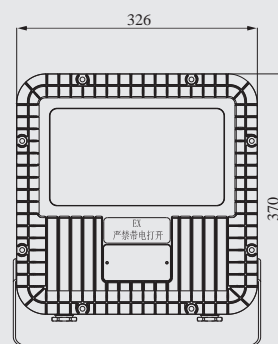
Drawing of dimension (Dimensions in mm)



Seat-mounting



Side wall-mounting



Mounting size