

## BPC8760 EXPLOSION-PROTECTED LED PENDANT LIGHT



### LED

- Optimum design of electrical system ensures 85% of efficiency and 0.98 of power factor
- LED features high luminous efficacy
- Unique design of heat dissipation
- High corrosion resistance
- Prismatic patterns is good for glare free



### TECHNICAL DATA

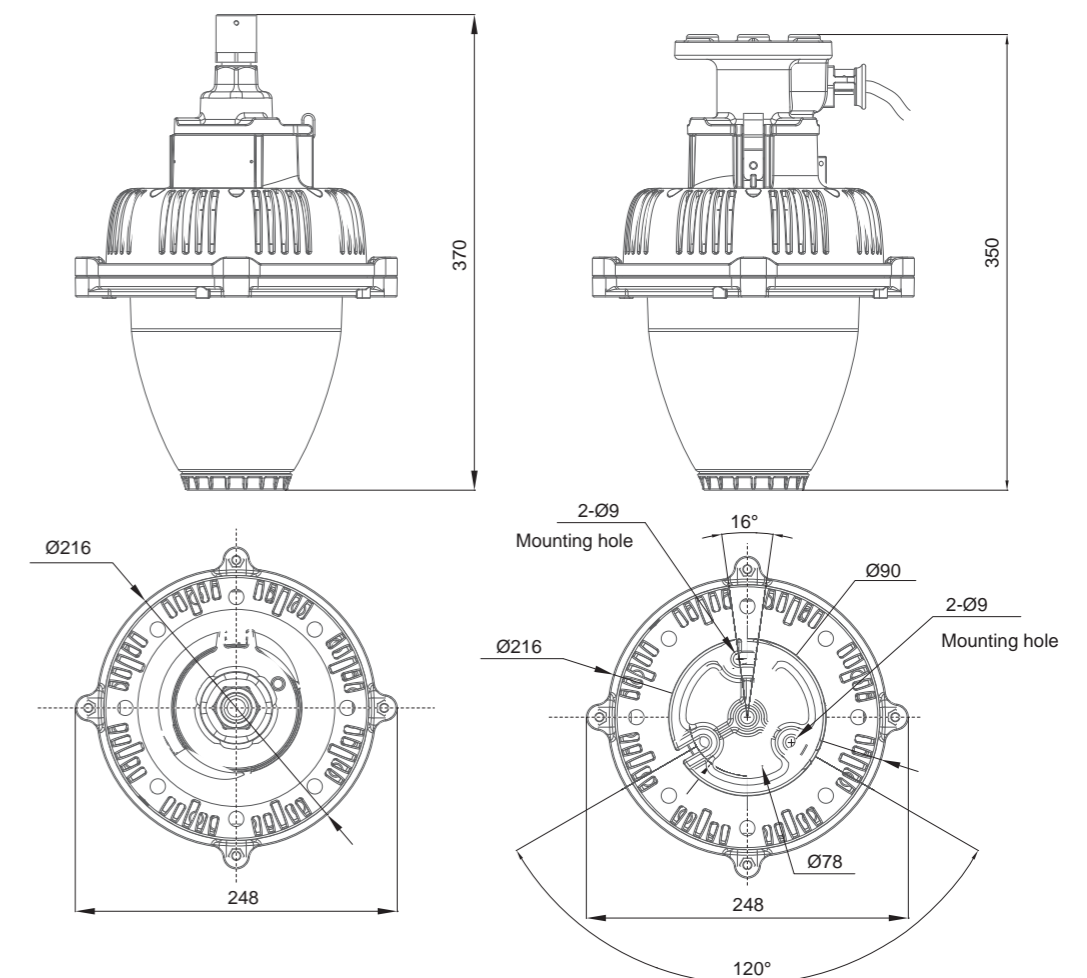
Certification	
International approvals	ATEX
Certificate	LCIE 13 ATEX 3049 X
Coding	Ex II 2 G Ex d e IIB T6 Gb
Conformity to standards	
	IEC 60079 / IEC 60598
Material	
Enclosure	Aluminum alloy with epoxy powder coating
Transparent cover	Polycarbonate
Lamp	
Brand	OSRAM
Wattage	18W, 45W
Type	LED
Rated voltage	
	90V~260V AC 50Hz / 60Hz
Class of insulation	
	Class I
Degree of protection	
	IP66
Ambient temperature	
	-40 °C to +55 °C
Cable entry	
	G3/4

### SELECTION TABLE

Model	Lamp power (W)	Lamp type (W)	Operating current (A)	Color temperature (K)	Weight (kg)
BPC8760/18/LED	18	LED	0.7	6000 ~7100	6.0
BPC8760/45/LED	45	LED	0.7	6000 ~7100	6.0

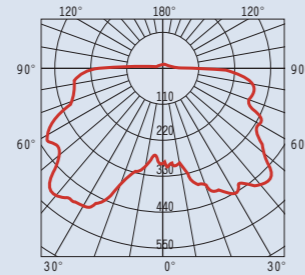
### DIMENSION DRAWINGS

\*all dimensions in mm



## PHOTOMETRIC DATA

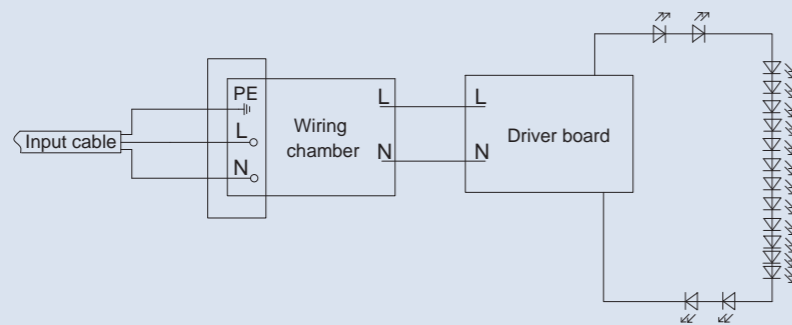
BPC8760 LED18W/45W photometric data  
 Rated luminous flux: 1800lm/5200lm  
 The data from OSRAM lamp  
 Luminous intensity distribution cd/1000lm



cd/1000lm Ratio of distance to height: 2.0

We can provide lighting design and data by professional lighting software based upon simulated site situation on request.

## WIRING DIAGRAM



### 1. Instructions

- A. Wiring work in dotted lines is done on project site. Three wires outside the dotted lines are live wire, neutral wire and earthing wire of cable. The cable is pulled through cable entry from outside.
- B. Other wiring work is done in the factory and it may be referred during failure checking.

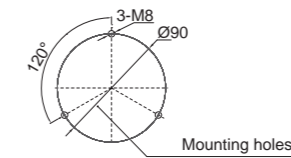
### 2. Wiring method

- A. Strip cable jacket with appropriate length (90±5mm). Strip rubber insulation of three wires with 4~6mm length, and solder the ends.
- B. Remove gland nut, rubber filling, washer from cable entry, and undo screws on gland nut by a Phillips screwdriver.
- C. Open the electrical chamber cover, undo the screws for fastening wires (put through cable entry from outside), and remove the wires.
- D. Pull the cable through gland nut, washer, rubber filling (selecting an appropriate rubber filling according to diameter of cable) into the electrical chamber. Bare part of cable should be put into the chamber completely, and fasten the cable entry to the enclosure.
- E. Connect three wires to correct terminals according to labels in the chamber (End L to brown wire, End N to blue wire, End to green and yellow wire).
- F. Re-install wiring chamber cover, tighten the bolts, and tighten the screws on gland nut.

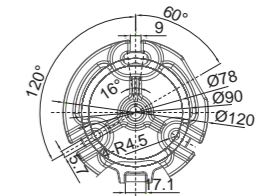
## MOUNTING TYPE

\*all dimensions in mm

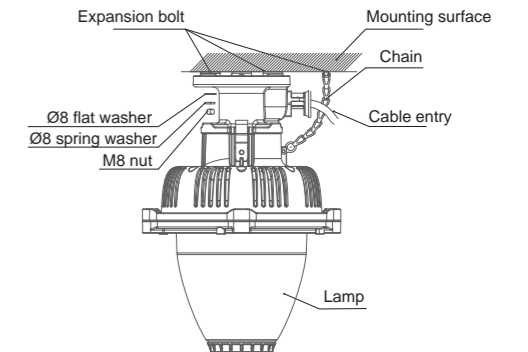
### Ceiling mount



Picture 1



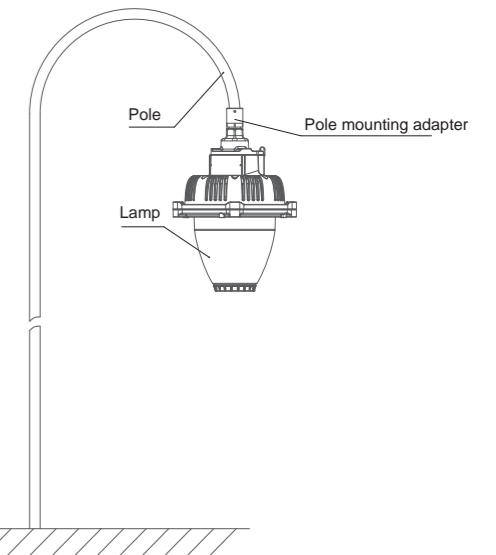
Picture 2



Picture 3

Accessories				
No.	Name	Spec.	Qty.	Remark
1	Standard spring washer	Ø4	2	Provided by manufacturer
2	Cross recessed pan head screw	M4X12	2	
3	Washer	Ø14.5	4	
4	Sealing ring 1	Ø7-Ø8	1	
5	Sealing ring 2	Ø9-Ø10	1	
6	Sealing ring 3	Ø11-Ø12	2	
7	Sealing ring 4	Ø13-Ø14	2	
8	Fixing part		1	
9	Gland nut	G3/4	1	





### Pole mount



Accessories				
No.	Name	Spec.	Qty.	Remark
1	Pole mounting adapter	G3/4	1	Provided by manufacturer
2	Sealing ring 1	Ø7-Ø8	1	
3	Sealing ring 2	Ø9-Ø10	1	
4	Sealing ring 3	Ø11-Ø12	1	
5	Sealing ring 4	Ø13-Ø14	1	
6	Screw	M4X6	1	
7	Washer	Ø14.5	4	

Note: Accessories not in the table shall be supplied by user.

## ACCESSORIES

Name	Picture	Ordering code	Weight (KG)
Driver board-45W		1306030217	0.293
Driver board-18W		1306020228	0.273
LED board assembly		3024401002	/
Wire guard		3024401004	0.460

## SAMPLE PROJECTS

