

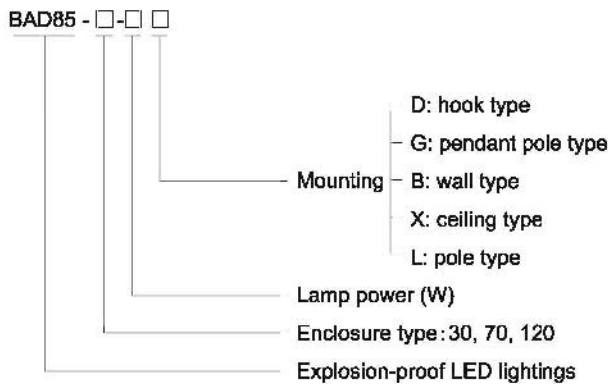


## Energy-saving Lightings

### BAD85 Series Explosion-proof LED Lightings

- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 1, Groups A, B, C, D
- ◆ Applicable lamp and power (max.120W)
  - LED lamps, energy-saving and long service life
  - 20W, 30W, 50W, 70W, 100W, 120W
- ◆ Three enclosure types: 30, 70, 120
- ◆ Isolated LED lamp compartment, CC-CV (constant current - constant voltage) power controller compartment, terminal compartment; wind-convection heat dissipation structure.

#### Catalogue number logic



#### Selection table

Type/Ordering code	Lamp power(W)
BAD85-30-□ □	20, 30
BAD85-70-□ □	50, 70
BAD85-120-□ □	100, 120

**Note:** 1. Products above include all the mounting accessories listed in Mounting Accessories & Spare Parts Table (see P2/42~43).  
 2. The product is supplied according to "Type/Ordering code" in the table with mounting accessories.

Zones 1&2; 21&22

**Technical data**

**Explosion-proof LED lightings**    **BAD85-□-□□**

**Explosion protection**

- Gas explosion protection
- Dust explosion protection

**Certificates**

**Conformity to standards**

**Material**

- Enclosure
- Transparent cover
- Power controller

Exposed fastener

**Lamp**

- Lamp specification
- Lamp power (W)

**Rated voltage**

**Earthing protection**

**Degree of protection**

**Ambient temperature**

**Terminal**

**Mounting**

**Cable entries**

**Cable gland**

**Applicable cable outer diameter**

⊕ II 2 G Ex d IIC T6/T5 Gb

⊕ II 2 D Ex t IIIC T80°C/T95°C Db IP66

DNV 12 ATEX 10807X; IECEx CQM 12.0009X; FM (USA); GOST.R (Russia)

EN 60079-0: 2009, EN 60079-1: 2007, EN 60079-31: 2009

IEC 60079-0: 2007, IEC 60079-1: 2007, IEC 60079-31: 2008

Copper-free aluminium, powder coated surface, yellow (RAL1021)

Toughened glass, stands 4J impact

Wide voltage input, CC-CV (constant current - constant voltage) output, power factor  $\geq 0.98$ , with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit

Stainless steel

CREE plural white LED modules

20W, 30W

50W, 70W

100W, 120W

187~265V AC 50/60Hz

M5 (internal & external earth bolts)

IP66

-40°C~+55°C: T5/T95°C; -40°C~+40°C: T6/T80°C

3 x 1.5~4mm<sup>2</sup> (L+N+PE)

Ceiling type, pole type, pendant pole type, wall type, hook type

30 type: G3/4" (NPT3/4" or M25 x 1.5 with reducer on request)

70 /120 type: 1 x G3/4" (pendant pole type and hook type);

4 x M25x1.5 (wall type and ceiling type); 1 x G1" (pole type)

See Mounting Accessories and Spare Parts Table

Φ 10~Φ 14 (mm)

**Dimension drawings (all dimensions in mm) - subject to alteration**

