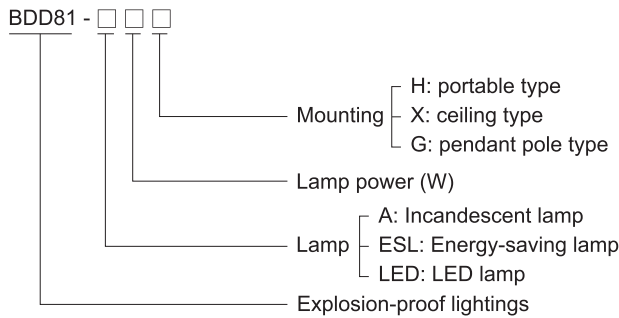


Pendant Light Fittings BDD81 Series Explosion-proof Lightings



- ◆ 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
- ◆ Available lamp and power:
 - Incandescent lamp: 25W, 40W, 60W, 100W
 - Energy-saving lamp: 9W, 11W
 - LED lamp: 7W, 10W, 12W
- ◆ Enclosure in copper-free aluminium, powder coated surface, yellow (RAL1021).
- ◆ The light fittings are supplied without lamp. PHILIPS lamps are recommended.

Catalogue number logic



Mounting type (all dimensions in mm) – subject to alteration

Installation reference

	H: portable type	X: ceiling type	G: pendant pole type
<p>100W Incandescent lamp</p>	<p>Weight: 2.70kg Accessories supplied with the light fittings: ①. Hook ②. 4 x M25 x 1.5 Plug; Ex d cable gland (optional): DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~27.</p>	<p>Weight: 2.50kg Accessories supplied with the light fittings: ②. 4 x M25 x 1.5 Plug; Ex d cable gland (optional): DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~27.</p>	<p>Weight: 4.50kg Accessories supplied with the light fittings: ③. BGJ-III explosion-proof connector M25 x 1.5(M)/M25 x 1.5(F), carbon steel. ④. Straight pipe(M25 x 1.5), length: 300mm. ⑤. BHD51-F (Ex d IIC, copper-free aluminium), see P3/4.</p>
<p>11W Energy-saving lamp</p>			
<p>12W LED</p>			

Zones 1&2; 21&22

Pendant Light Fittings

BDD81 Series Explosion-proof Lightings

Technical data

Explosion-proof lightings BDD81-□□□

Explosion protection

- Gas explosion protection
- Dust explosion protection

Ex II 2 G Ex d IIC T4 Gb
Ex II 2 D Ex t IIIC T130°C Db IP66

Certificates

LCIE 11 ATEX 3110X; IECEx CQM 12.0036X
RU C-CN.ГБ05.В.00344 (CU-TR)

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-31

Material

- Enclosure
- Transparent cover
- Wire guard
- Exposed fastener

Copper-free aluminium, powder coated surface, yellow (RAL1021)
Toughened glass, stands 4J impact
Powder coated carbon steel, white (stainless steel is optional)
Stainless steel

Lamp

- Lamp holder
- Available lamp and lamp power (W)

E27
Incandescent lamp: 25W, 40W, 60W, 100W
Energy-saving lamp: 9W, 11W (for sealed atmosphere)
LED 7W, 10W, 12W

Rated voltage

220~240V AC 50/60Hz

Earthing protection

M5 (internal & external earth bolts)

Degree of protection

IP66, IP67(optional)

Ambient temperature

-40°C~+55°C

Terminal

3 x 1.5~4mm² (L+N+PE)

Mounting

Portable type, ceiling type, pendant pole type

Cable entries

4 x M25 x 1.5 for ceiling type and portable type, 1 x M25 x 1.5 for pendant pole type

Cable gland (optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~27.

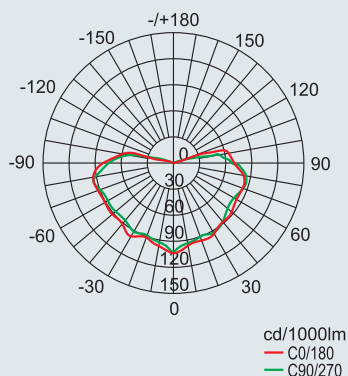
Applicable cable outer diameter

Φ 10~Φ 14 (mm)

Photometric data Note: LED luminous flux is from the standard product of which colour temperature is 5400 to 6500K (cool white).

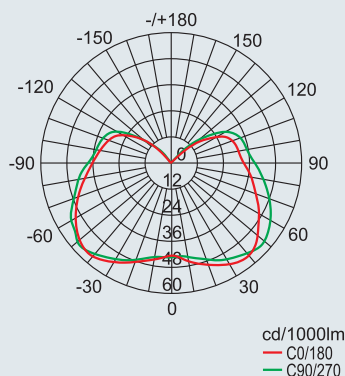
BDD81-A□□

Rated luminous flux
25W Incandescent lamp: 201lm
40W Incandescent lamp: 318lm
60W Incandescent lamp: 500lm
100W Incandescent lamp: 1025lm
The data from Philips lamp



BDD81-ESL□□

Rated luminous flux
9W Energy-saving lamp: 400 lm
11W Energy-saving lamp: 570 lm
The data from Philips lamp



BDD81-LED□□

Rated luminous flux
7W LED: 591lm
10W LED: 848lm
12W LED: 920lm

