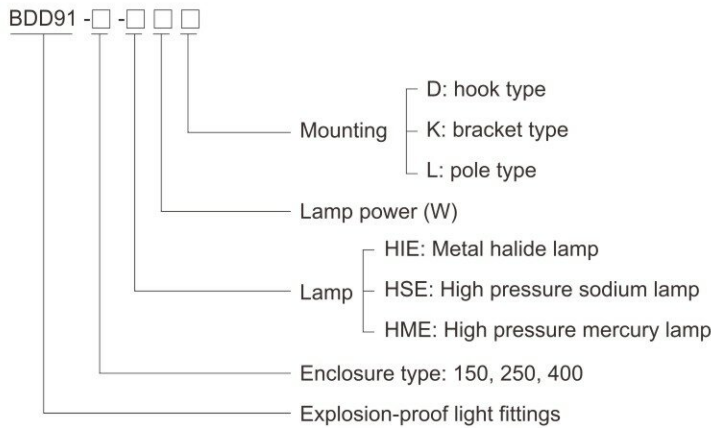


## Pendant Light Fittings BDD91 Series Explosion-proof Light Fittings



- ◆ 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 (max.400W):
  - Metal halide lamp (HIE)
  - High pressure sodium lamp (HSE)
  - High pressure mercury lamp (HME)
- ◆ Three enclosure types: 150, 250, 400
- ◆ Integral control gear, easy installation and maintenance.

### Catalogue number logic



### Selection table

Type/Ordering code	Available lamp power (W)			Lamp holder	Weight (kg)
	HIE	HSE	HME		
BDD91-150	70, 100, 150	70, 100	80, 125	E27	11.20
BDD91-250	250	150, 250	250	E40	14.80
BDD91-400	250, 400	150, 250, 400	400	E40	16.70

- Note:**
1. The light fittings are supplied without lamp. PHILIPS lamps are recommended.
  2. HPI European standard ballast is supplied with HIE light fitting. HPI European standard lamps are recommended.
  3. The light fittings are supplied without external reflector. Please specify when ordering.

# Zones 1&2; 21&22

## Pendant Light Fittings

### BDD91 Series Explosion-proof Light Fittings

Technical data												
<b>Explosion-proof light fittings</b>	<b>BDD91-150-□□□</b>											
<b>Explosion protection</b>	Global (IECEX) Gas and dust Europe (ATEX) Gas and dust											
<b>Certificates</b>	IECEX CQM 12.0016X											
<b>Conformity to standards</b>	Ex d IIC T□ <sup>1)</sup> Gb Ex t IIIC T□ <sup>1)</sup> Db IP66 DNV 11 ATEX 05977X Ⓢ II 2 G Ex d IIC T□ <sup>1)</sup> Gb Ⓢ II 2 D Ex tb IIIC T□ <sup>1)</sup> Db IP66 <sup>1)</sup> See Selection table IECEX; ATEX; CU-TR EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31											
<b>Material</b>	Enclosure Transparent cover Internal reflector External reflector (optional) Wire guard Ballast Trigger Power factor Exposed fastener											
<b>Lamp</b>	Available lamp and lamp power (W)											
	<table border="1"> <thead> <tr> <th colspan="3">Available lamp</th> <th rowspan="2">Lamp holder</th> </tr> <tr> <th>HIE</th> <th>HSE</th> <th>HME</th> </tr> </thead> <tbody> <tr> <td>70W, 100W, 150W</td> <td>70W, 100W</td> <td>80W, 125W</td> <td>E27</td> </tr> </tbody> </table>	Available lamp			Lamp holder	HIE	HSE	HME	70W, 100W, 150W	70W, 100W	80W, 125W	E27
Available lamp			Lamp holder									
HIE	HSE	HME										
70W, 100W, 150W	70W, 100W	80W, 125W	E27									
<b>Rated voltage</b>	220~240V AC 50Hz (60Hz is optional)											
<b>Earthing protection</b>	M5 (internal & external earth bolts)											
<b>Degree of protection</b>	IP66, IP67 (optional)											
<b>Ambient temperature</b>	-60°C~+55°C											
<b>Terminal</b>	3 x 1.5~4mm <sup>2</sup> (L+N+PE)											
<b>Mounting</b>	Bracket type, pole type, hook type											
<b>Cable entries</b>	2 x M25x1.5 for bracket type, 1 x M25x1.5 for pole type.											
<b>Cable gland (optional)</b>	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~31											



#### Selection table (BDD91-150)

Lamp	Lamp power (W)	Temperature classes	
		Gas	Dust
HIE	70, 100	T4	T130°C
HME	80		
HSE	70, 100		
HIE	150	T142°C	T142°C
HME	125	T147°C	T147°C