

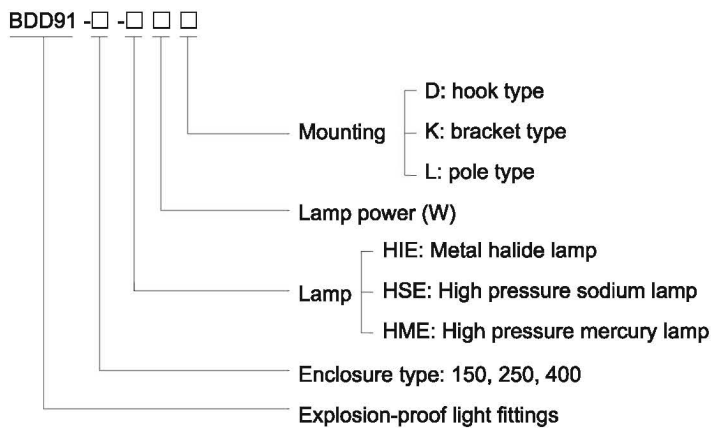


## Pendant Light Fittings

### 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	175, 250	150, 250	175, 250	E40	14.80
BDD91-400	400	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

Technical data					
<b>Explosion-proof light fittings</b>	BDD91-150-□□□		BDD91-250-□□□ BDD91-400-□□□		
<b>Explosion protection</b> Gas explosion protection Dust explosion protection	Ⓔ II 2 G Ex d IIC Tx <sup>1</sup> Gb Ⓔ II 2 D Ex t IIIC Txxx°C <sup>1</sup> Db IP66 <sup>1</sup> See Selection Table		Ⓔ II 2 G Ex d IIC T3 Gb Ⓔ II 2 D Ex t IIIC T190°C Db IP66		
<b>Certificates</b>	DNV 11 ATEX 05977X		DNV 11 ATEX 06159X (BDD91-250) DNV 11 ATEX 06160X (BDD91-400)		
<b>Conformity to standards</b>	IECEX CQM 12.0016X; 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				
<b>Material</b> Enclosure Transparent cover Internal reflector External reflector (optional) Wire guard Ballast Trigger Capacitor Exposed fastener	Copper-free aluminium, powder coated surface, yellow (RAL1021) Toughened glass, stands 4J impact. High-purity aluminium Pure aluminium, anodic oxidation treatment for surface Stainless steel Chock ballast, rapid starting, stable performance General trigger Power factor ≥ 0.90 (compensated) Stainless steel				
<b>Lamp</b> Available lamp and lamp power (W)	Type	Available Lamp			Lamp holder
		HIE	HSE	HME	
	BDD91-150	70W, 100W, 150W	70W, 100W	80W, 125W	E27
	BDD91-250	175W, 250W	150W, 250W	175W, 250W	E40
	BDD91-400	400W	400W	400W	E40
<b>Rated voltage</b> <b>Earthing protection</b> <b>Degree of protection</b> <b>Ambient temperature</b> <b>Terminal</b> <b>Mounting</b> <b>Cable entries</b> <b>Cable gland (optional)</b>	Note: HPI European standard ballast is available in general 220~240V AC 50Hz (60Hz is optional) M5 (internal & external earth bolts) IP66 -60°C~+55°C 3 x 1.5~4mm <sup>2</sup> (L+N+PE) Bracket type, pole type, hook type 2 x M25 x 1.5 for bracket type, 1 x M25 x 1.5 for pole type DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.				



**Selection Table (for BDD91-150)**

Lamp	Lamp power (W)	Explosion protection	
		Gas	Dust
HIE	70, 100	Ⓔ II 2 G Ex d IIC T4 Gb	Ⓔ II 2 D Ex t IIIC T130°C Db IP66
HME	80		
HSE	70, 100	Ⓔ II 2 G Ex d IIC T142°C Gb	Ⓔ II 2 D Ex t IIIC T142°C Db IP66
HIE	150		
HME	125	Ⓔ II 2 G Ex d IIC T147°C Gb	Ⓔ II 2 D Ex t IIIC T147°C Db IP66