

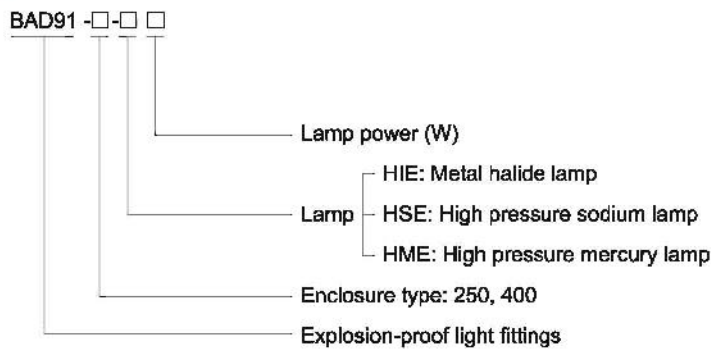


Pendant Light Fittings

BAD91 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 2, Groups A, B, C, D
- ◆ Integral control gear, easy installation and maintenance.
- ◆ External terminal compartment, convenient for connection and maintenance.
- ◆ Two enclosure types: 250, 400.
- ◆ External reflector is optional, to increase lighting intensity.
- ◆ Both American standard and Europe standard are available.

Catalogue number logic



Selection table

Type/Ordering code	Lamp	Available lamp power (W)		Weight (kg)	
		American standard	European standard	American standard	European standard
BAD91-250	HIE	70, 100, 150, 175, 250	175, 250	16.55	14.45
	HSE	70, 100, 150, 250	150, 250	17.25	14.45
	HME	-	175, 250	-	14.45
BAD91-400	HIE	400	400	21.20	20.00
	HSE	400	400	22.30	20.00
	HME	-	400	-	20.00

Note

1. The light fittings are supplied without lamp. PHILIPS lamps are recommended.
2. High pressure mercury lamp is not available in American standard products.
3. The light fittings are supplied without external reflector. Please specify when ordering.

Zones 1&2; 21&22

Technical data																																									
Explosion-proof light fittings	BAD91-250-□□	BAD91-400-□□																																							
Explosion protection Gas explosion protection	⊕ II 2 G Ex de IIC T3	⊕ II 2 G Ex de IIC T3																																							
Dust explosion protection	Ex tD A21 T190°C IP65	Ex de IIC T3 Gb Ex tD A21 T190°C IP65																																							
Certificates For gas explosion protection	LCIE 08 ATEX 6106 IECEX CQM 08.0019; FM (USA) PCEC (China)	LCIE 08 ATEX 6112 IECEX CQM 11.0019X; FM (USA) PCEC (China)																																							
For dust explosion protection																																									
Conformity to standards	EN 60079-0: 2004, EN 60079-1: 2004 EN 60079-7: 2003 IEC 60079-0: 2004, IEC 60079-1: 2003 IEC 60079-7: 2001, IEC 61241-0: 2004 IEC 61241-1: 2004	EN 60079-0: 2004, EN 60079-1: 2004 EN 60079-7: 2003 IEC 60079-0: 2007, IEC 60079-1: 2007 IEC 60079-7: 2006, IEC 61241-0: 2004 IEC 61241-1: 2004																																							
Material 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, anodicoxidation treatment for surface Stainless steel Choke ballast, rapid starting, stable performance General trigger Power factor ≥ 0.90 (compensated) Stainless steel																																								
Lamp Available lamp and lamp power (W)	<table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th rowspan="2">Lamp</th> <th colspan="2">American standard</th> <th>European standard</th> </tr> <tr> <th colspan="2">Lamp holder</th> <th>Lamp holder</th> </tr> <tr> <td></td> <td></td> <th>E27</th> <th>E40</th> <th>E40</th> </tr> </thead> <tbody> <tr> <td rowspan="3">BAD91-250</td> <td>HSE</td> <td>70W, 100W</td> <td>150W, 250W</td> <td>150W, 250W</td> </tr> <tr> <td>HIE</td> <td>70W, 100W, 150W</td> <td>175W, 250W</td> <td>175W, 250W</td> </tr> <tr> <td>HME</td> <td>-</td> <td>-</td> <td>175W, 250W</td> </tr> <tr> <td rowspan="3">BAD91-400</td> <td>HSE</td> <td>-</td> <td>400W</td> <td>400W</td> </tr> <tr> <td>HIE</td> <td>-</td> <td>400W</td> <td>400W</td> </tr> <tr> <td>HME</td> <td>-</td> <td>-</td> <td>400W</td> </tr> </tbody> </table>		Type	Lamp	American standard		European standard	Lamp holder		Lamp holder			E27	E40	E40	BAD91-250	HSE	70W, 100W	150W, 250W	150W, 250W	HIE	70W, 100W, 150W	175W, 250W	175W, 250W	HME	-	-	175W, 250W	BAD91-400	HSE	-	400W	400W	HIE	-	400W	400W	HME	-	-	400W
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Rated voltage	American standard: 120V/208V/240V/277V AC 60Hz (50Hz is optional) European standard: 220~240V AC 50Hz (60Hz is optional)																																								
Earthing protection Degree of protection	M5 (internal & external earth bolts) IP65																																								
Ambient temperature	-20°C~+55°C																																								
Terminal	3 x 1.5~2.5mm ² (L+N+PE)																																								
Cable entries	2 x M25 x 1.5 Plug																																								
Cable gland (optional)	DQM-I (Ex e) is recommended. Please see P7/17~18.																																								



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

