

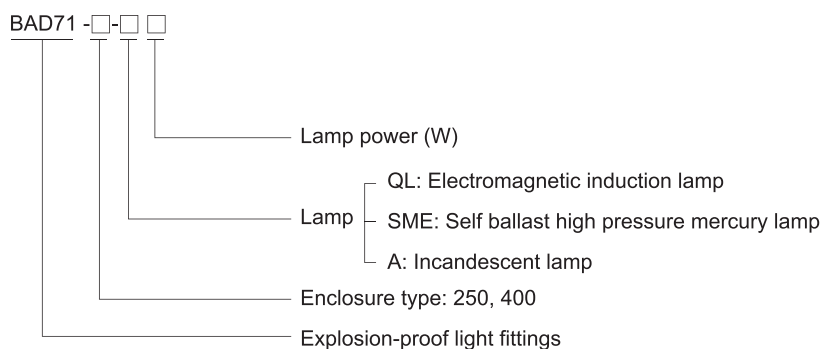
Pendant Light Fittings

BAD71 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
- ◆ Available lamp (max. 500W)
 - Self ballast high pressure mercury lamp (SME)
 - Incandescent lamp (A)
 - Electromagnetic induction lamp (QL)
- ◆ External terminal compartment, easy connection and maintenance.
- ◆ Two enclosure types: 250, 400.
- ◆ External reflector is optional, to increase lighting intensity.

Catalogue number logic



Selection table

Type/Ordering code	Available lamp power (W)		
	QL	SME	A
BAD71-250	85	160, 250	200, 300
BAD71-400	135	500 (450)	500

Note

1. The light fittings are supplied without lamp. PHILIPS lamps are recommended.
2. The light fittings are supplied without external reflector. Please specify when ordering.

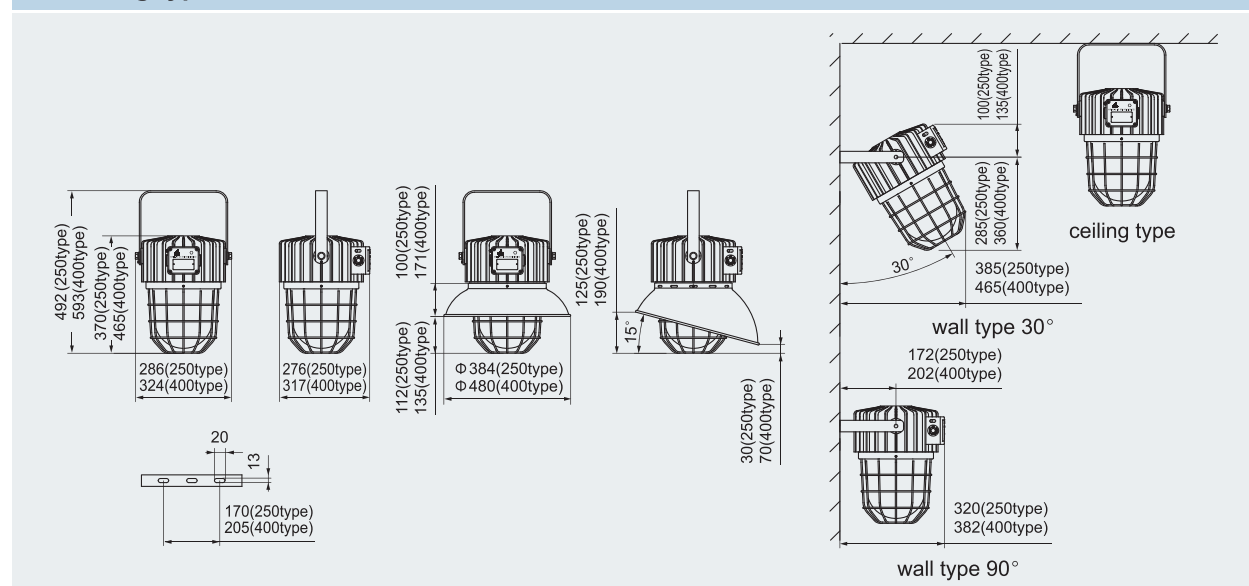
Zones 1&2; 21&22

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Technical data																														
Explosion-proof light fittings	BAD71-250-□□	BAD71-400-□□																												
Explosion protection Gas explosion protection	⊕ II 2 G Ex d e IIC T3	⊕ II 2 G Ex d e IIC T3																												
Dust explosion protection	Ex tD A21 T190°C IP65	Ex d e IIC T3 Gb Ex tD A21 T190°C IP65																												
Certificates For gas explosion protection	LCIE 08 ATEX 6105 IECEX CQM 08.0018	LCIE 08 ATEX 6111 IECEX CQM 11.0030																												
For dust explosion protection	PCEC (China)	PCEC (China)																												
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 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 Powder coated carbon steel, white Stainless steel																													
Lamp	<table border="1"> <thead> <tr> <th>Available lamp</th><th>Lamp power</th><th>Lamp holder</th></tr> </thead> <tbody> <tr> <td rowspan="2">SME</td><td>160W</td><td>E27</td></tr> <tr> <td>250W</td><td>E40</td></tr> <tr> <td rowspan="2">A</td><td>200W</td><td>E27</td></tr> <tr> <td>300W</td><td>E40</td></tr> <tr> <td>QL</td><td>85W</td><td>-</td></tr> </tbody> </table>	Available lamp	Lamp power	Lamp holder	SME	160W	E27	250W	E40	A	200W	E27	300W	E40	QL	85W	-	<table border="1"> <thead> <tr> <th>Available lamp</th><th>Lamp power</th><th>Lamp holder</th></tr> </thead> <tbody> <tr> <td>SME</td><td>500(450)W</td><td>E40</td></tr> <tr> <td>A</td><td>500W</td><td>E40</td></tr> <tr> <td>QL</td><td>135W</td><td>-</td></tr> </tbody> </table>	Available lamp	Lamp power	Lamp holder	SME	500(450)W	E40	A	500W	E40	QL	135W	-
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SME	500(450)W	E40																												
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Rated voltage	Note: working frequency of QL (electromagnetic) is 2.65MHz. 220~240V AC 50/60Hz																													
Earthing protection	M5 (internal & external earth bolts)																													
Degree of protection	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 plugs																													
Cable gland (optional)	DQM-I (Ex e) is recommended. Please see P7/17~19.																													
Weight	9.25kg	13.45kg																												

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



Pendant Light Fittings

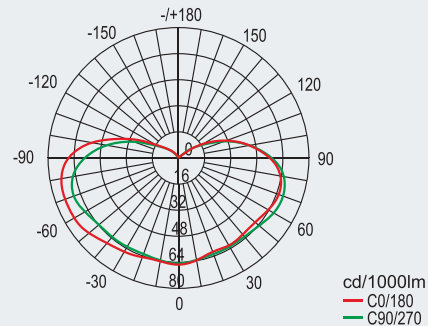
BAD71 Series Explosion-proof Light Fittings

Photometric data

BAD71-250-□□(Without external reflector)



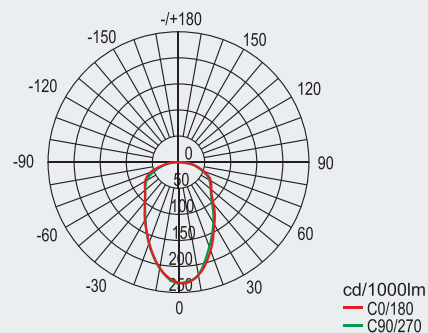
Rated luminous flux
 160W Self ballast high pressure mercury lamp: 3150 lm
 250W Self ballast high pressure mercury lamp: 5500 lm
 200W Incandescent lamp: 2000 lm
 300W Incandescent lamp: 4050 lm
 The data from Philips lamp



BAD71-250-□□(With wide reflector)



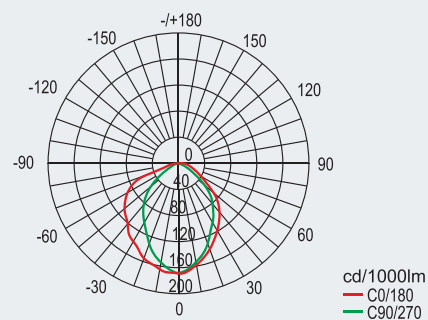
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 The data from Philips lamp



BAD71-250-□□(With angle reflector)



Rated luminous flux
 160W Self ballast high pressure mercury lamp: 3150lm
 250W Self ballast high pressure mercury lamp: 5500lm
 200W Incandescent lamp: 2000lm
 300W Incandescent lamp: 4050lm
 The data from Philips lamp



We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

Pendant Light Fittings

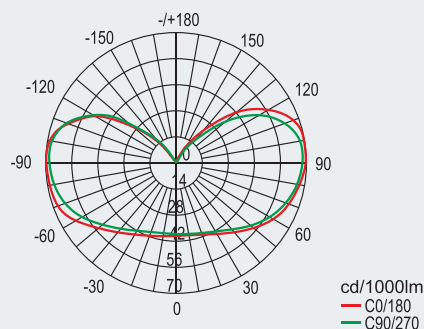
BAD71 Series Explosion-proof Light Fittings

Photometric data

BAD71-400-□□(Without external reflector)



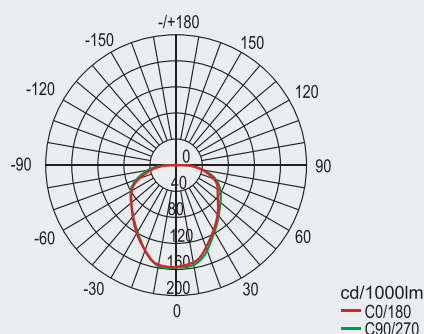
Rated luminous flux
 500W Self ballast high pressure mercury lamp: 13000 lm
 500W Incandescent lamp: 7630 lm
 The data from Philips lamp



BAD71-400-□□(With wide reflector)



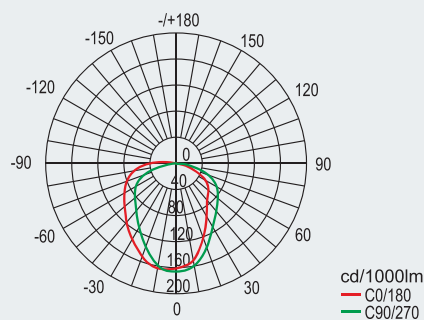
Rated luminous flux
 500W Self ballast high pressure mercury lamp: 13000 lm
 500W Incandescent lamp: 7630 lm
 The data from Philips lamp



BAD71-400-□□(With angle reflector)



Rated luminous flux
 500W Self ballast high pressure mercury lamp: 13000 lm
 500W Incandescent lamp: 7630 lm
 The data from Philips lamp



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