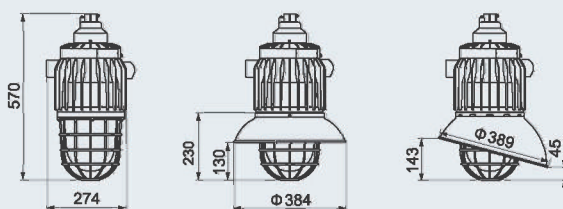
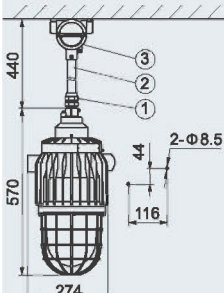
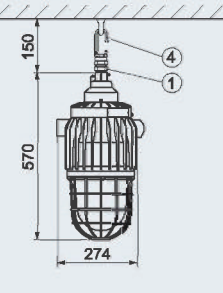

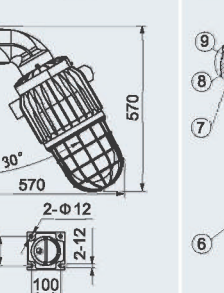
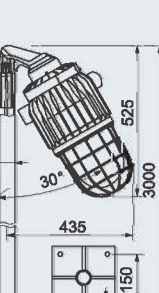


| Technical data | |
|---|---|
| Explosion-proof light fittings | BAD61-250-□□□ |
| Explosion protection Gas explosion protection Dust explosion protection Certificates Conformity to standards | Ⓔ II 2 G Ex d IIC T3 Gb Ⓔ II 2 D Ex tb IIIC T190°C Db IP65 LCIE 05 ATEX 6142; IECEx CQM 07.0003; FM (USA); GOST.R (Russia) EN 60079-0: 2009, EN 60079-1: 2007, EN 60079-31: 2009 IEC 60079-0: 2011, IEC 60079-1: 2007, IEC 60079-31: 2008 |
| Material Enclosure Wire guard Transparent cover Ballast Trigger Capacitor Internal reflector External reflector (optional) Exposed fastener | Copper-free aluminium, powder coated surface, yellow (RAL1021) Powder coated carbon steel, white Toughened glass, stands 4J impact Choke ballast, rapid starting, stable performance Explosion-proof electronic trigger Power factor ≥ 0.90 (compensated) High-purity aluminium Pure aluminium, anodicoxidation treatment for surface Stainless steel |
| Lamp Lamp holder Available lamp and lamp power (W) | E40 Metal halide lamp (HIE): 175W, 250W High pressure mercury lamp (HME): 175W, 250W High pressure sodium lamp (HSE): 150W, 250W Note: HPI European standard ballast is available in general 220~240V AC 50Hz (60Hz is optional) |
| Rated voltage Earthing protection Degree of protection Ambient temperature Terminal Cable entries Cable gland Available cable outer diameter | M5 (internal & external earth bolts) IP65 -20°C~+55°C 3 x 1.5~2.5mm ² (L+N+PE) 1 x G3/4" (pendant pole type and hook type); 4 x M25x1.5 (wall type and ceiling type); 1 x G1" (pole type) See Mounting Accessories and Spare Parts Table Φ10~Φ14 (mm) |

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



| G: pendant pole type | D: hook type | X: ceiling type | B: wall type | L: pole type |
|--|---|--|---|---|
|  <p>Weight: 17.20kg Accessories supplied with the light fittings: ①. BGJ-III explosion-proof connector G3/4" (M)/M25 x 1.5 (F), carbon steel. ②. Straight pipe (M25 x 1.5), 300mm long. ③. BHD51-F (Ex d IIC, cast iron), see P3/6.</p> |  <p>Weight: 14.55kg Accessories supplied with the light fittings: ①. BGJ-III explosion-proof connector G3/4" (M)/M25 x 1.5 (F), carbon steel. ④. Hook (stainless steel)</p> |  <p>Weight: 15.20kg Accessories supplied with the light fittings: ⑤. 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 P7/20~25.</p> |  <p>Weight: 16.95kg Accessories supplied with the light fittings: ⑤. 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 P7/20~25.</p> |  <p>Weight: 15.50kg Accessories supplied with the light fittings: ⑥. Pole shall be provided by user. ⑦. Locking bolt, 1 No. ⑧. Washer, 2 Nos. ⑨. Seal ring, 1 No.</p> |



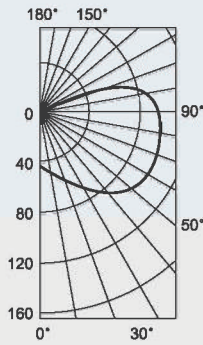
Pendant Light Fittings BAD61 Series Explosion-proof Light Fittings

Photometric data (BAD61-250)



Photometric data of 175W metal halide lamp

Rated luminous flux:14000lm;
The data from PHILIPS lamp;
Luminous intensity distribution cd/1000lm



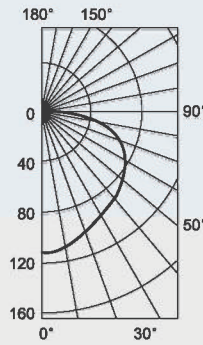
150W High pressure sodium lamp*1.07
250W High pressure sodium lamp*2
250W Metal halide lamp*1.64
175W High pressure mercury lamp*0.53
250W High pressure mercury lamp*0.91

| Angle | CP | Angle | CP | Angle | CP |
|-------|------|-------|------|-------|-----|
| 0 | 669 | 60 | 1315 | 120 | 116 |
| 5 | 633 | 65 | 1367 | 125 | 84 |
| 10 | 598 | 70 | 1287 | 130 | 58 |
| 15 | 562 | 75 | 1381 | 135 | 47 |
| 20 | 569 | 80 | 1365 | 140 | 36 |
| 25 | 554 | 85 | 1448 | 145 | 28 |
| 30 | 565 | 90 | 1439 | 150 | 23 |
| 35 | 665 | 95 | 1440 | 155 | 19 |
| 40 | 771 | 100 | 1432 | 160 | 16 |
| 45 | 990 | 105 | 1347 | 165 | 10 |
| 50 | 1213 | 110 | 1114 | 170 | 3 |
| 55 | 1257 | 115 | 618 | 175 | 2 |
| | | | | 180 | 2 |



Photometric data of 175W metal halide lamp (with wide reflector)

Rated luminous flux:14000lm;
The data from PHILIPS lamp;
Luminous intensity distribution cd/1000lm



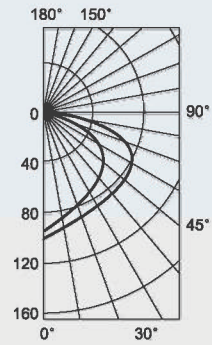
150W High pressure sodium lamp*1.07
250W High pressure sodium lamp*2
250W Metal halide lamp*1.64
175W High pressure mercury lamp*0.53
250W High pressure mercury lamp*0.91

| Angle | CP | Angle | CP | Angle | CP |
|-------|------|-------|------|-------|----|
| 0 | 1580 | 60 | 1127 | 120 | 12 |
| 5 | 1479 | 65 | 1129 | 125 | 8 |
| 10 | 1383 | 70 | 1016 | 130 | 4 |
| 15 | 1399 | 75 | 976 | 135 | 3 |
| 20 | 1256 | 80 | 938 | 140 | 3 |
| 25 | 1166 | 85 | 709 | 145 | 3 |
| 30 | 1104 | 90 | 130 | 150 | 3 |
| 35 | 1023 | 95 | 56 | 155 | 3 |
| 40 | 1033 | 100 | 39 | 160 | 3 |
| 45 | 958 | 105 | 31 | 165 | 3 |
| 50 | 1137 | 110 | 23 | 170 | 3 |
| 55 | 1133 | 115 | 16 | 175 | 3 |
| | | | | 180 | 3 |



Photometric data of 175W metal halide lamp (with angle reflector)

Rated luminous flux:14000lm;
The data from PHILIPS lamp;
Luminous intensity distribution cd/1000lm



150W High pressure sodium lamp*1.07
250W High pressure sodium lamp*2
250W Metal halide lamp*1.64
175W High pressure mercury lamp*0.53
250W High pressure mercury lamp*0.91

| 0° Reflection angle CP | | | 90° Reflection angle CP | | | | |
|------------------------|------|-----|-------------------------|----|------|-----|---|
| 0 | 1358 | 95 | 32 | 0 | 1358 | 95 | 9 |
| 5 | 1259 | 105 | 14 | 5 | 1237 | 105 | 4 |
| 15 | 1246 | 115 | 6 | 15 | 1073 | 115 | 3 |
| 25 | 1061 | 125 | 3 | 25 | 962 | 125 | 3 |
| 35 | 980 | 135 | 3 | 35 | 897 | 135 | 3 |
| 45 | 959 | 145 | 3 | 45 | 862 | 145 | 3 |
| 55 | 1116 | 155 | 3 | 55 | 983 | 155 | 3 |
| 65 | 1071 | 165 | 3 | 65 | 301 | 165 | 3 |
| 75 | 564 | 175 | 3 | 75 | 66 | 175 | 3 |
| 85 | 79 | 180 | 3 | 85 | 25 | 180 | 3 |
| 90 | 40 | | | 90 | 14 | | |



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