

PRODUCT DATASHEET

BLKH RD 250 P 9.5W CPS WT

BULKHEAD ROUND | Robust wall and ceiling luminaire with IP65 and IK10 protection



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

Product benefits

- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen) on the driver
- Flexible mounting patterns for convenient installation
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Suitable for use in emergency lighting systems (DC capable)
- Separate decor element available for an aesthetic and functional product design

Product features

- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- High luminous efficacy: > 120 lm/W for 3000 K and 4000 K
- Impact resistance: IK10
- Type of protection: IP65
- Push wire terminal for tool-free connection
- Through-wiring possible



TECHNICAL DATA

Electrical data

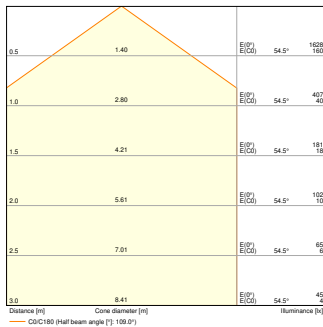
| | |
|---|---|
| Nominal wattage | 9.5 W / 8 W / 6.5 W / 5.5 W ¹⁾ |
| Nominal voltage | 220...240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 42...37...30...25 mA |
| Inrush current | 3.44 A |
| Inrush current time T_{h50} | 3.284 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 248 |
| Max. number of luminaires per miniature circuit breaker C10 | 155 |
| Max. number of luminaires per miniature circuit breaker C16 | 248 |
| Power factor λ | > 0.80 |
| Total harmonic distortion | < 15 % |
| Protection class | II |
| Operating mode | Integrated LED driver |

¹⁾ For possible options refer to lumen/power table image

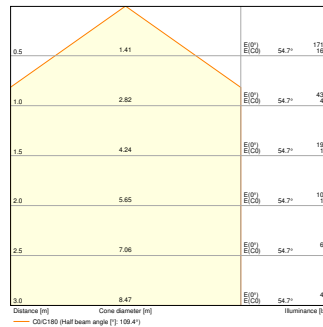
Photometrical data

| | |
|--|---|
| Luminous flux | 1220 lm / 1070 lm / 860 lm / 710 lm ¹⁾ |
| Luminous efficacy | 128 lm/W / 132 lm/W / 129 lm/W ¹⁾ |
| Color temperature | 3000 K / 4000 K |
| Light color (designation) | Warm White / Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | 5 sdc _m |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | <0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 120 ° |

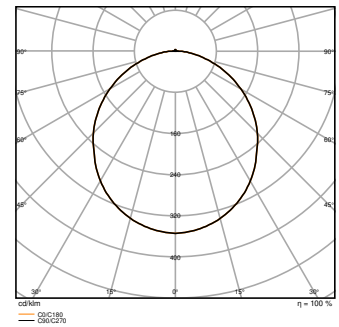
¹⁾ For possible options refer to lumen/power table image



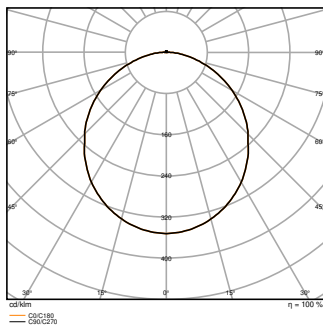
BLKH 250 P 9.5W 830 1150lm



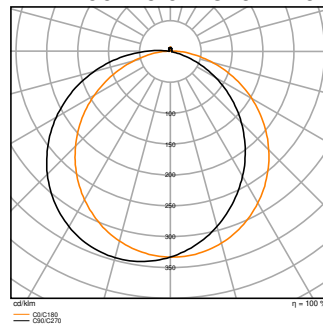
BLKH 250 P 9.5W 840 1220lm



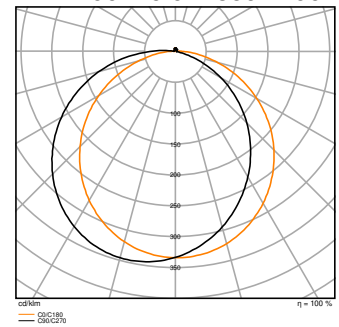
BLKH 250 P 9.5W 830 1150lm



BLKH 250 P 9.5W 840 1220lm



BLKH RD 250 P 9.5W 830 CPS WT
with Eyelid



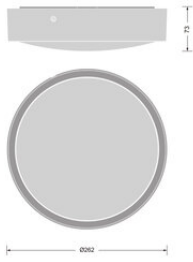
BLKH RD 250 P 9.5W 840 CPS WT
with Eyelid

Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|-----------------|-------------------|---------------|-------------------|
| 9.5 W | 4000 K | 1200 lm | 128 lm/W |
| 9.5 W | 3000 K | 1150 lm | 120 lm/W |
| 8 W | 4000 K | 1070 lm | 132 lm/W |
| 8 W | 3000 K | 1020 lm | 125 lm/W |
| 6.5 W | 4000 K | 860 lm | 132 lm/W |
| 6.5 W | 3000 K | 820 lm | 125 lm/W |
| 5.5 W | 4000 K | 710 lm | 129 lm/W |
| 5.5 W | 3000 K | 680 lm | 123 lm/W |

Dimensions & Weight

| | |
|----------------|-----------|
| Diameter | 262.00 mm |
| Height | 73.00 mm |
| Product weight | 680.00 g |



BLKH RD/SEN/EM 250 P 10W CPS

Materials & Colors

| | |
|--|--------------------|
| Product color | White |
| Housing color | White |
| Body material | Polycarbonate (PC) |
| Cover material | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|--------------------|
| Ambient temperature range | -20...+40 °C |
| Temperature range at storage | -20...+80 °C |
| Type of connection | Screwless terminal |
| Type of protection | IP65 |
| Protection class IK (shock resistance) | IK10 |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Ceiling / Wall |
| Application environment | Outdoor |
| With light source | Yes |
| Replaceable light source | Yes |

Lifespan

| | |
|---------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 70000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 55000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 65000 h |

| | |
|----------------------------|---------|
| Lifespan L90/B10 at 25 °C | 40000 h |
| Number of switching cycles | 100000 |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

| | |
|-----------------------------|--------------------------|
| Output current | 350...300...250...200 mA |
| ECG - Output ripple current | < 5 % |

Emergency lighting

| | |
|---|---|
| Type of Emergency Lighting (EL) | EL certified driver (0Hz / DC operation) for central battery operation included |
| Type of emergency operation test | None |
| Wattage in emergency operation mode | 9.5 W |
| Luminous flux in emergency operation mode | 1220 lm |




Certificates & Standards




| | |
|--|--|
| Standards | CE / CB / UKCA / EAC / ENEC / EL / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00029-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

Additional product data

| | |
|----------------|-------------------------|
| Added function | EVERLOOP / MULTI SELECT |
|----------------|-------------------------|

Accessories Optional

| Product image | Product name | EAN |
|---|-----------------------|---------------|
|  | BLKH RD Eyelid 300 BK | 4099854286797 |
|  | BLKH RD Eyelid 300 WT | 4099854286810 |
|  | BLKH RD Eyelid 250 WT | 4099854286773 |


| Product image | Product name | EAN |
|---|------------------------------|---------------|
|  | BLKH RD Eyelid 250 BK | 4099854286759 |
|  | LISOEV 250R 8W 830 840 BLKH | 4099854311918 |
|  | DR DS-P- 10/220-240/350 BLKH | 4099854286834 |

EQUIPMENT / ACCESSORIES


- Additional cover rings in different designs available
- Mounting screws and dowels included
- Anti-theft screw included

Upgrade and replacement components

Components Light Source

| Product image | Product name | EAN |
|---|-----------------------------|---------------|
|  | LISOEV 250R 8W 830 840 BLKH | 4099854311918 |


















Components Driver

| Product image | Product name | EAN |
|---|------------------------------|---------------|
|  | DR DS-P- 10/220-240/350 BLKH | 4099854286834 |











Safety advice



- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.


DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|--|---|
|  | User instruction / safety instructions | BLKH RD GEN2 |
|  | Legal information | Informationstext 18 Abs 4 ElektroG |
|  | Legal information | Light Source Insert G11233325 |
|  | Legal information | Legal Insert G11234785 |
|  | Legal information | Safety Insert G11234787 |
|  | Declarations of conformity | BLKH RD/LISOEV |
|  | Declarations of conformity UKCA | BLKH RD/LISOEV |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | BLKH 250 P 9.5W 830 1150lm |
|  | IES file (IES) | BLKH 250 P 9.5W 840 1220lm |
|  | IES file (IES) | BLKH RD 250 P 9.5W 830 CPS WT with Eyelid |
|  | IES file (IES) | BLKH RD 250 P 9.5W 840 CPS WT with Eyelid |
|  | IES files (IES, additional) | BLKH 250 P 5.5W 830 680lm |
|  | IES files (IES, additional) | BLKH 250 P 5.5W 840 710lm |
|  | IES files (IES, additional) | BLKH 250 P 6.5W 830 820lm |
|  | IES files (IES, additional) | BLKH 250 P 6.5W 840 860lm |
|  | IES files (IES, additional) | BLKH 250 P 8W 830 1020lm |
|  | IES files (IES, additional) | BLKH 250 P 8W 840 1070lm |

| Photometric and lighting design files | Document name |
|--|---|
|  LDT file (Eulumdat) | BLKH 250 P 9.5W 830 1150lm |
|  LDT file (Eulumdat) | BLKH 250 P 9.5W 840 1220lm |
|  LDT file (Eulumdat) | BLKH RD 250 P 9.5W 830 CPS WT with Eyelid |
|  LDT file (Eulumdat) | BLKH RD 250 P 9.5W 840 CPS WT with Eyelid |
|  LDT files (Eulumdat, additional) | BLKH 250 P 5.5W 830 680lm |
|  LDT files (Eulumdat, additional) | BLKH 250 P 5.5W 840 710lm |
|  LDT files (Eulumdat, additional) | BLKH 250 P 6.5W 830 820lm |
|  LDT files (Eulumdat, additional) | BLKH 250 P 6.5W 840 860lm |
|  LDT files (Eulumdat, additional) | BLKH 250 P 8W 830 1020lm |
|  LDT files (Eulumdat, additional) | BLKH 250 P 8W 840 1070lm |
|  ULD file (DIALux) | BLKH RD 250 P 9.5W CPS WT |
|  ROLF file (RELUX) | BLKH RD 250 P 9.5W CPS WT |
|  UGR file (UGR table) | BLKH 250 P 10W 830 1200lm |
|  UGR file (UGR table) | BLKH 250 P 10W 840 1200lm |
|  UGR file (UGR table) | BLKH 250 P 5.5W 830 680lm |
|  UGR file (UGR table) | BLKH 250 P 5.5W 840 710lm |
|  UGR file (UGR table) | BLKH 250 P 6.5W 830 820lm |
|  UGR file (UGR table) | BLKH 250 P 6.5W 840 860lm |

| Photometric and lighting design files | | Document name |
|---|-------------------------------------|---|
|  | UGR file (UGR table) | BLKH 250 P 8W 830 1020lm |
|  | UGR file (UGR table) | BLKH 250 P 8W 840 1070lm |
|  | UGR file (UGR table) | BLKH 250 P 9.5W 830 1150lm |
|  | UGR file (UGR table) | BLKH 250 P 9.5W 840 1220lm |
|  | Light distribution curve type cone | BLKH 250 P 9.5W 830 1150lm |
|  | Light distribution curve type cone | BLKH 250 P 9.5W 840 1220lm |
|  | Light distribution curve type polar | BLKH 250 P 9.5W 830 1150lm |
|  | Light distribution curve type polar | BLKH 250 P 9.5W 840 1220lm |
|  | Light distribution curve type polar | BLKH RD 250 P 9.5W 830 CPS WT with Eyelid |
|  | Light distribution curve type polar | BLKH RD 250 P 9.5W 840 CPS WT with Eyelid |

| CAD/BIM files | | Document name |
|--|--------------|----------------|
|  | BIM Revit 3D | Bulkhead Round |
|  | CAD STEP 3D | BLKH G2 250 |

| Tender texts | | Document name |
|--|------------------|-------------------------------------|
|  | Tender documents | BULKHEAD ROUND 250 P 9.5W CPS WT-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854286100 | Folding box 1 | 77 mm x 266 mm x 266 mm | 783.00 g | 5.45 dm ³ |
| 4099854286117 | Shipping box 8 | 545 mm x 280 mm x 335 mm | 6814.00 g | 51.12 dm ³ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION

| BLKH RD 250 | | | | |
|-------------|------|------|------|------|
| WAC | 5.8 | 7 | 8.5 | 9.5 |
| T (Rohr) | 4000 | 3000 | 4000 | 3000 |
| Im | 1200 | 1100 | 1200 | 1200 |
| ImW | 1200 | 1200 | 1200 | 1200 |

| BLKH RD SEN 250 | | | | |
|-----------------|------|------|------|------|
| WAC | 5.8 | 7 | 8.5 | 9.5 |
| T (Rohr) | 4000 | 3000 | 4000 | 3000 |
| Im | 1200 | 1100 | 1200 | 1200 |
| ImW | 1200 | 1200 | 1200 | 1200 |

| | B10 | B16 | C10 | C16 |
|------------------------------|-----|-----|-----|-----|
| BLKH RD 250 P 15W CPS BK | 155 | 248 | 155 | 248 |
| BLKH RD 250 P 15W CPS WT | | | | |
| BLKH RD 300 P 15W CPS BK | 63 | 79 | 63 | 101 |
| BLKH RD 300 P 15W CPS WT | | | | |
| BLKH RD SEN 250 P 15W CPS BK | 140 | 224 | 140 | 224 |
| BLKH RD SEN 250 P 15W CPS WT | | | | |
| BLKH RD SEN 300 P 15W CPS BK | 63 | 79 | 63 | 101 |
| BLKH RD SEN 300 P 15W CPS WT | | | | |

References / Links

- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.