

PRODUCT DATASHEET

SF BLKH S 250 P 10W 830 WT IP65

SURFACE BULKHEAD 250 SENSOR | Robust wall and ceiling luminaire with IP65 protection and high-frequency sensor



Areas of application

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

Product benefits

- Multiple adjustments of sensor range, daylight detection and hold time
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Separate covers available for an aesthetic and functional product design
- 5 years guarantee
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)

Product features

- High frequency sensor for daylight and motion detection
- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- Impact resistance: IK10
- Push wire terminal for tool-free connection
- Through-wiring possible
- Type of protection: IP65
- Luminous flux: up to 800 lm
- High luminous efficacy: up to 80 lm/W
- Lifetime (L70/B50) up to 50,000 h (at 25 °C)
- Ambient temperature in operation: -20...+40 °C

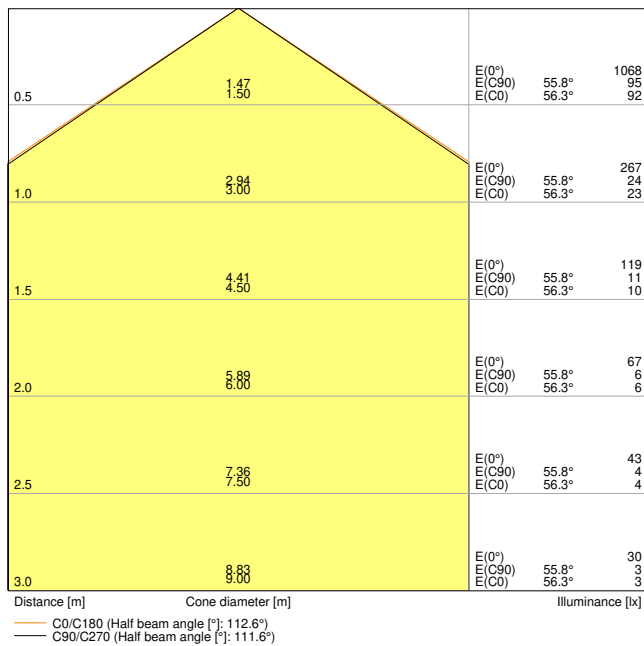
TECHNICAL DATA

Electrical data

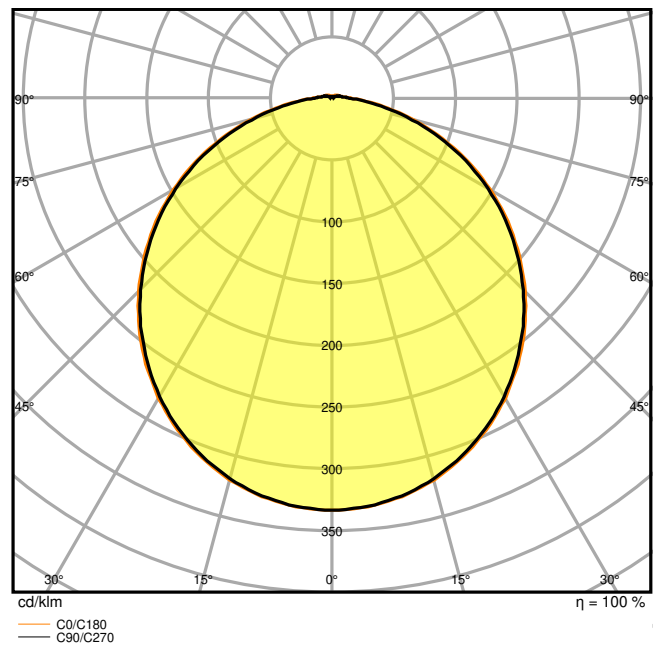
| | |
|---|-----------------------|
| Nominal wattage | 10.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 350.000 mA |
| Inrush current | 4.52 A |
| Inrush current time T_{h50} | 685 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 29 |
| Max. number of luminaires per miniature circuit breaker C10 | 30 |
| Max. number of luminaires per miniature circuit breaker C16 | 49 |
| Power factor λ | ≥ 0.5 |
| Total harmonic distortion | < 8 % |
| Protection class | II |
| Operating mode | Integrated LED driver |

Photometrical data

| | |
|--|----------------------|
| Luminous flux | 800 lm |
| Luminous efficacy | 80 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 5 sdc _m |
| Luminous intensity | - |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG0 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 120 ° |



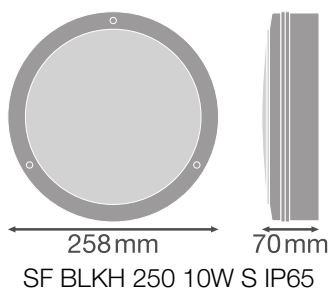
SF BLKH S 250 P 10W 830 WT IP65



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Dimensions & Weight

| | |
|----------------|-----------|
| Diameter | 250.00 mm |
| Height | 70.00 mm |
| Product weight | 640.00 g |



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 |
| 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 |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 50000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 35000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 35000 h |
| Lifespan L90/B10 at 25 °C | 20000 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 mA |
|----------------|--------|

Sensor

| | |
|--|----------------|
| Type of sensor | Motion / Light |
| Sensor technology | Microwave |
| Sensor detection angle | 150 ° |
| Sensor controlled switching time | 5 s...30 min |
| Detection range of motion sensor | 3...8 m |
| Detection threshold of daylight sensor | 2...50 lx |
| Sensor IP rating | IP20 |

Emergency lighting

| | |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

Certificates & Standards

| | |
|--|---------|
| Standards | CE / CB |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |

Replaceable light source (EPREL)

Not replaceable








EQUIPMENT / ACCESSORIES






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







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 | SF BLKH S 250, 300 P IP65 |
|  | Legal information | LS Insert SF Bulkhead Sensor P |
|  | Legal information | Legal insert SF BLKG S P IP65 |
|  | Legal information | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity | EC declaration SF BLKH S LUM |
|  | Declarations of conformity UKCA | SF BLKH S IP65 |
|  | Declarations of conformity UKCA | SF BLKH S P IP65 |

| | Photometric and lighting design files | Document name |
|--|---------------------------------------|---------------------------------|
|  | IES file (IES) | SF BLKH 250 10W 3000K S WT IP65 |
|  | IES file (IES) | SF BLKH 250 10W 3000K S WT IP65 |
|  | IES file (IES) | SF BLKH 250 10W 3000K S WT IP65 |
|  | LDT file (Eulumdat) | SF BLKH 250 10W 3000K S WT IP65 |
|  | LDT file (Eulumdat) | SF BLKH 250 10W 3000K S WT IP65 |

| Photometric and lighting design files | | Document name |
|---|-------------------------------------|---------------------------------|
|  | LDT file (Eulumdat) | SF BLKH 250 10W 3000K S WT IP65 |
|  | ULD file (DIALux) | SF BLKH S 250 P 10W 830 WT IP65 |
|  | ROLF file (RELUX) | SF BLKH S 250 P 10W 830 |
|  | UGR file (UGR table) | SF BLKH S 250 P 10W 830 WT IP65 |
|  | Light distribution curve type cone | SF BLKH S 250 P 10W 830 WT IP65 |
|  | Light distribution curve type polar | SF BLKH S 250 P 10W 830 WT IP65 |

| CAD/BIM files | | Document name |
|---|--------------|------------------|
|  | BIM Revit 3D | Surface Bulkhead |
|  | CAD STEP 3D | SF BLKH 250 |

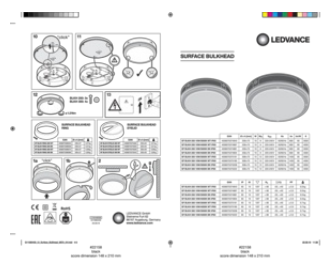
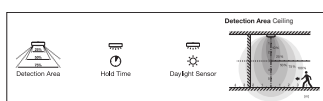
| Tender texts | | Document name |
|---|------------------|--|
|  | Tender documents | SURFACE BULKHEAD 250 SENSOR 10W 830 WT IP65-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075647220 | Folding box 1 | 74 mm x 272 mm x 262 mm | 722.00 g | 5.27 dm ³ |
| 4058075647237 | Shipping box 8 | 550 mm x 285 mm x 315 mm | 6358.00 g | 49.38 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



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.