# PRODUCT DATASHEET
# SF BLKH S 300 P EM 15W 840 WT IP65

SURFACE BULKHEAD 300 SENSOR EMERGENCY | Robust wall and ceiling luminaire with IP65 protection, high-frequency sensor and integrated emergency lighting function



## Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Direct replacement for luminaires with fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

## Product benefits

- Multiple adjustments of sensor range, daylight detection and hold time
- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Separate covers available for an aesthetic and functional product design
- 3 years guarantee
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- High luminous efficacy in normal operation
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Multiple mounting patterns for convenient installation
- Convenient visualization of results of automatic test with an included control LED
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function

## Product features

- High frequency sensor for daylight and motion detection
- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Luminaire suited for normal lighting and emergency lighting
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h


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- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Ambient temperature in operation: 5°...+40 C
- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- Impact resistance: IK10
- Push wire terminal for tool-free connection
- Through-wiring possible


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# TECHNICAL DATA

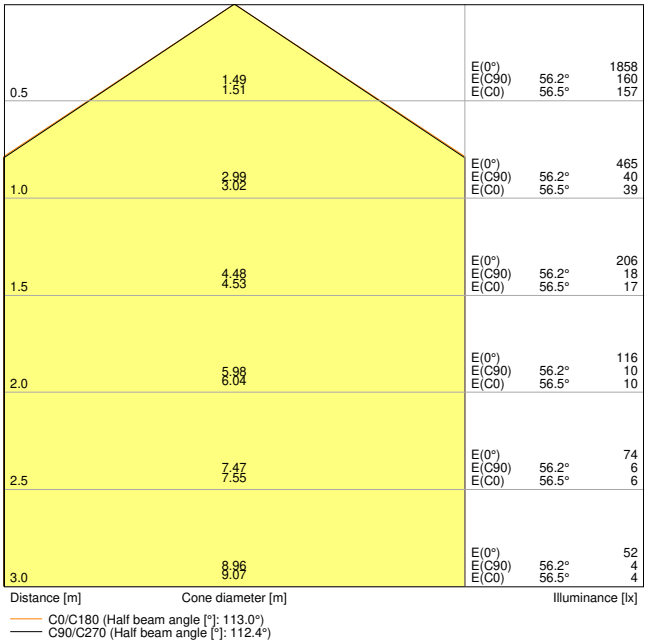
## Electrical data

| | |
|---|---|
| Nominal wattage | 15.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 350.000 mA |
| Inrush current | 3.47 A |
| Inrush current time $T_{h50}$ | 490 µs |
| Max. no. of lum. on circuit break. B16 A | 48 |
| Max. no. of lum. on circuit break. C10 A | 48 |
| Max. no. of lum. on circuit break. C16 A | 78 |
| Power factor λ | ≥0.7 |
| Total harmonic distortion | < 8 % |
| Protection class | II |
| Operating mode | Integrated LED driver |

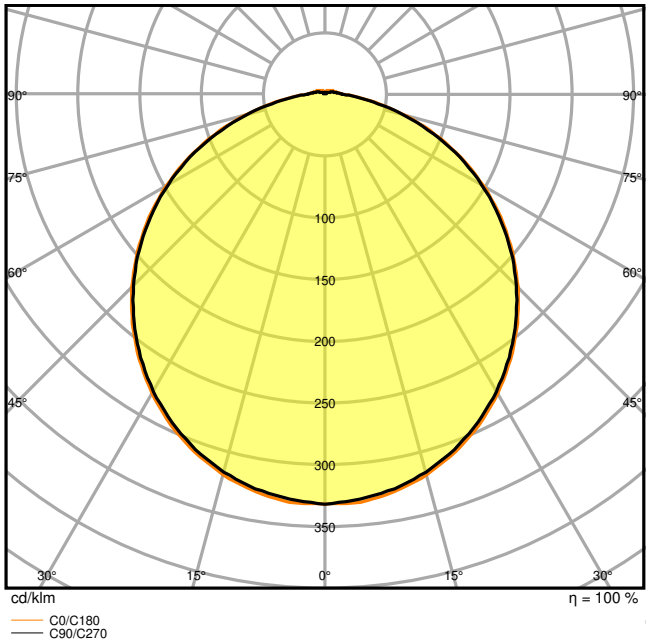
## Photometrical data

| | |
|---|---|
| Luminous flux | 1400 lm |
| Luminous efficacy | 93 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 5 sdcm |
| Luminous intensity | - |
| Low flicker | Yes |
| 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 ° |


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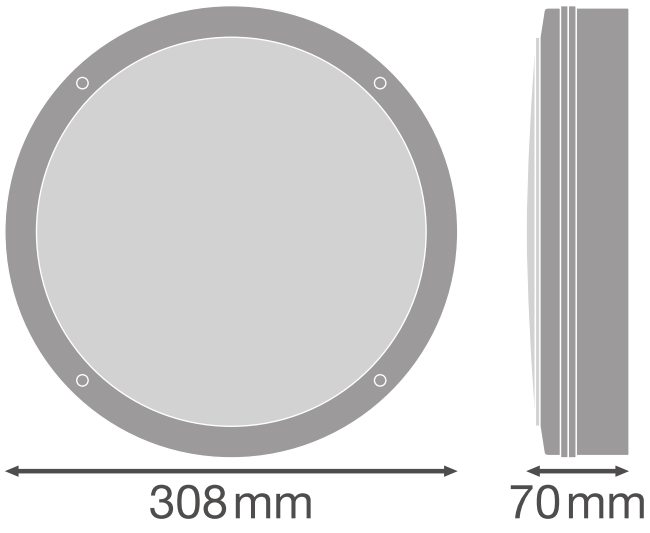

LDC typ cone



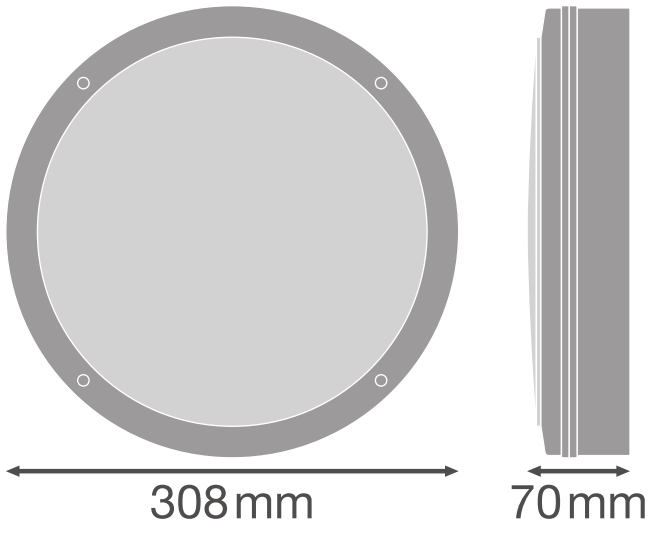

LDC typ polar

## Dimensions & Weight

| | |
|---|---|
| Diameter | 300.00 mm |
| Height | 70.00 mm |
| Product weight | 1060.00 g |




Product line drawing with numbers




Product line drawing with numbers


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## 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 | +5…+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 | Indoor |
| LED module replaceable | Not replaceable |
| With light source | Yes |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 50000 h |
| Lifespan L80/B10 at 25 °C | 35000 h |
| Lifespan L90/B10 at 25 °C | 20000 h |
| Number of switching cycles | 100000 |

## 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 |


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## Emergency lighting

| | |
|---|---|
| Area of emergency application | Anti-panic lighting / Escape route lighting |
| Type of emergency light operation | Maintained / Non-maintained |
| Type of emergency operation test | None |
| Wattage in maintained operation mode | 16.5 W |
| Wattage in emergency operation mode | 3.0 W |
| Luminous flux in maintained operation mode | 1400 lm |
| Luminous flux in emergency operation mode | 350 lm |
| Nominal voltage of battery | 3.2 V |
| Battery life in emergency operation mode | 3 h |
| Battery charging time | < 24 h |
| Integrated test switch | No |

## Certificates & Standards

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

## EQUIPMENT / ACCESSORIES

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

## DOWNLOAD DATA

| | DOWNLOAD DATA |
|---|---|
| PDF | User instruction |
| PDF | Addon Technical Information |
| PDF | Addon Technical Information |
| | Tender documents |
| PDF | Declarations of conformity |
| | IES file (IES) |
| | LDT file (Eulumdat) |


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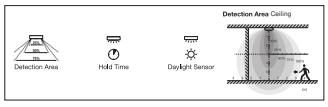
| | DOWNLOAD DATA |
|---|---|
| | R3D file (Relux 3D Model) |
| | M3D file (3D Model) |
| | UGR file (UGR table) |

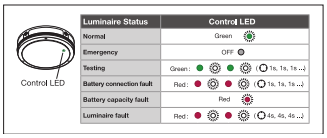
## LOGISTICAL DATA

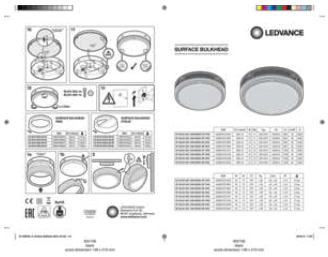
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075647732 | Shipping box<br>8 | 650 mm x 335 mm x 315 mm | 10081.00 g | 68.59 $dm^3$ |

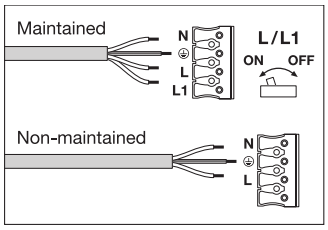
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## ADDITIONAL CATALOG INFORMATION




## References / Links

- For Guarantee see www.ledvance.com/guarantee

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