

# PRODUCT DATASHEET

## SF BLKH S 300 P 15W 840 WT IP65

**SURFACE BULKHEAD 300 SENSOR | Robust wall and ceiling luminaire with IP65 protection and high-frequency sensor**



### Areas of application

- 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
- 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
- Multiple mounting patterns for convenient installation
- 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 1,400 lm
- High luminous efficacy: up to 95 lm/W
- Lifetime (L70/B50): up to 50,000 h (at 25 °C)
- Ambient temperature in operation: -20...+40 °C

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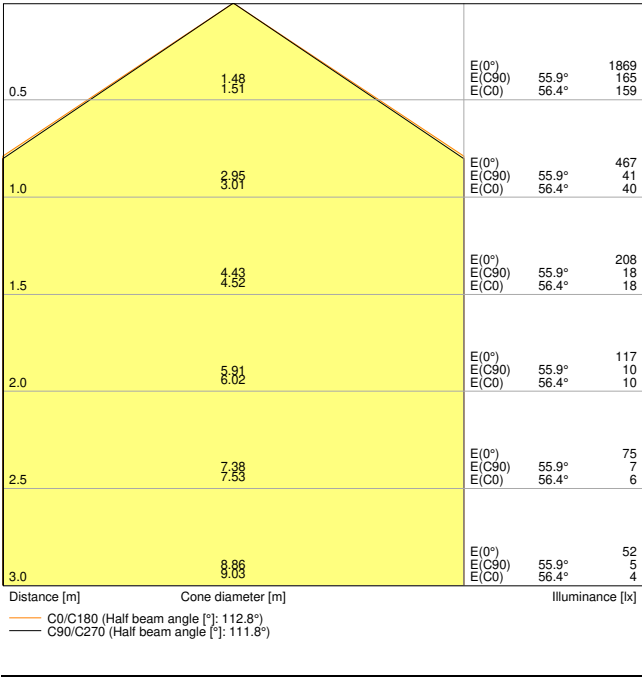
## TECHNICAL DATA

### Electrical data

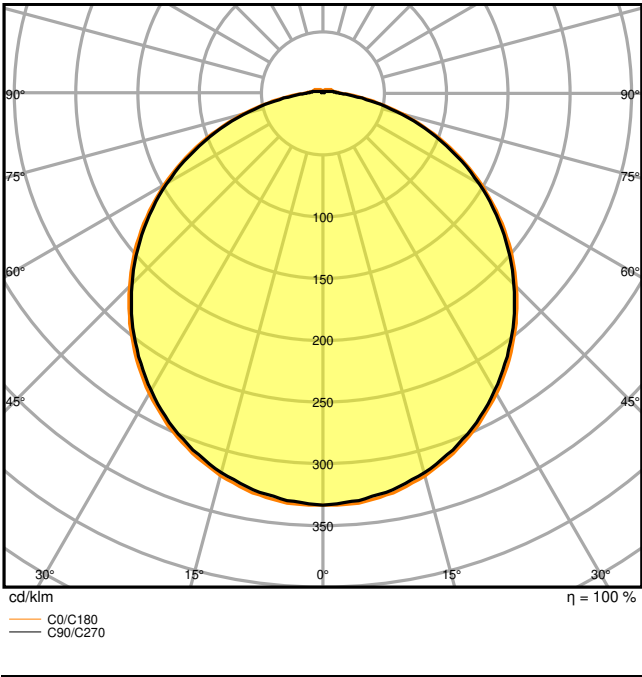
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 15.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 350.000 mA            |
| Inrush current                                              | 3.53 A                |
| Inrush current time $T_{h50}$                               | 456 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 49                    |
| Max. number of luminaires per miniature circuit breaker C10 | 50                    |
| Max. number of luminaires per miniature circuit breaker C16 | 81                    |
| Power factor $\lambda$                                      | $\geq 0.7$            |
| 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 sdc <sub>m</sub> |
| 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 °                |



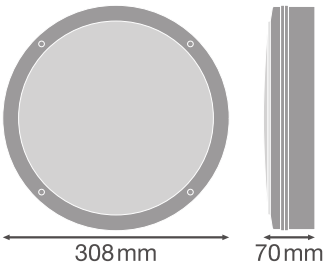
LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 300.00 mm |
| Height         | 70.00 mm  |
| Product weight | 820.00 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            |
| LED module replaceable                 | Not replaceable    |
| With light source                      | Yes                |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 35000 h <sup>1)</sup> |
| Lifespan L90/B10 at 25 °C  | 20000 h               |
| Number of switching cycles | 100000                |

<sup>1)</sup> 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

## EQUIPMENT / ACCESSORIES

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

## DOWNLOAD DATA

## Documents and certificates



User instruction



Addon Technical Information



Packaging insert



Declarations Of Conformity CE



Declarations Of Conformity UKCA

## Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



ULD file (DIALux)



ROLF file (RELUX)



UGR file (UGR table)



LDC typ cone



LDC typ polar

## CAD/BIM files



BIM\_Revit\_3D



CAD\_STEP\_3D

## Tender texts



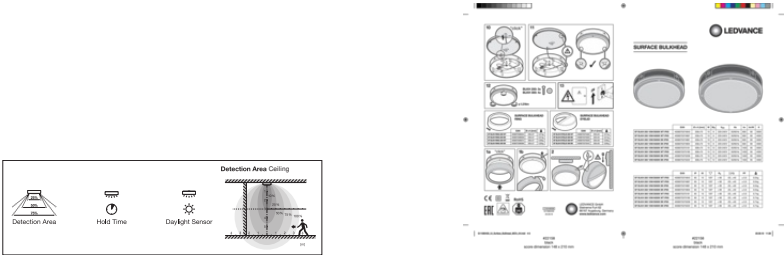
Tender documents

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075647565 | Folding box<br>1             | 322 mm x 312 mm x 74 mm              | 925.00 g     | 7.43 dm <sup>3</sup>  |
| 4058075647572 | Shipping box<br>8            | 650 mm x 335 mm x 315 mm             | 8121.00 g    | 68.59 dm <sup>3</sup> |

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](http://www.ledvance.com/guarantee)

DISCLAIMER

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