

PRODUCT DATASHEET

SF BLKH 250 S 10W/3000K 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

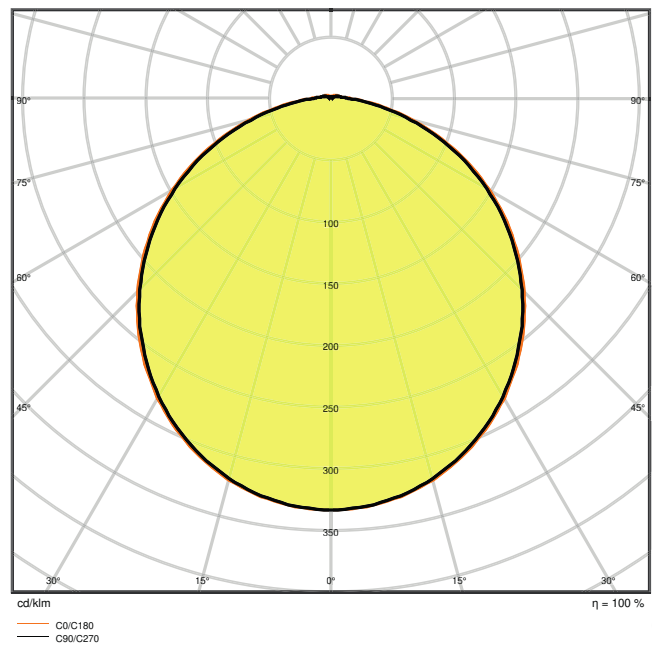
Nominal wattage	9.26 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	350 mA
Inrush current	4.52 A
Inrush current time T_{h50}	50 μ s
Max. number of luminaires per miniature circuit breaker B16	94
Max. number of luminaires per miniature circuit breaker C10	75
Max. number of luminaires per miniature circuit breaker C16	120
Power factor λ	≥ 0.5
Total harmonic distortion	< 10 %
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	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °



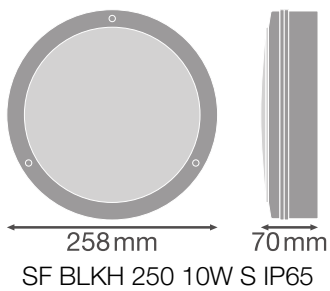
SF BLKH 250 10W3000K WT IP65 SEN LDT



SF BLKH 250 10W3000K WT IP65 SEN LDT

Dimensions & Weight

Diameter	250.00 mm
Height	70.00 mm
Product weight	570.00 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	Indoor
With light source	Yes
Replaceable light source	No

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)

Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	110 °
Sensor controlled switching time	5 s/30 s/90 s/3 min/20 min/30 min
Detection range of motion sensor	8 m
Detection threshold of daylight sensor	25 lx

Certificates & Standards

Standards	CE / CB
Luminaire with limited surface temperature, "D sign"	No

Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Number of illuminants	-
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Accessories Optional

Product image	Product name	EAN
	SF BLKH RING 250 WT	4058075399334
	SF BLKH EYELID 250 WT	4058075375482



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	SURFACE BULKHEAD SENSOR
 Declarations of conformity	SF BLKH SENSOR

Photometric and lighting design files	Document name
 IES file (IES)	SF BLKH 250 10W3000K WT IP65 SEN IES
 LDT file (Eulumdat)	SF BLKH 250 10W3000K WT IP65 SEN LDT

Photometric and lighting design files		Document name
	UGR file (UGR table)	SF BLKH 250 10W3000K WT IP65 SEN LDT
	Light distribution curve type cone	SF BLKH 250 10W3000K WT IP65 SEN LDT
	Light distribution curve type polar	SF BLKH 250 10W3000K WT IP65 SEN LDT

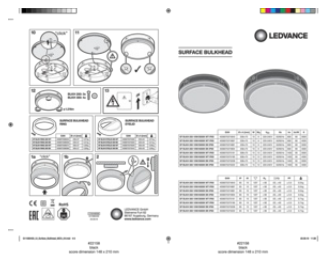
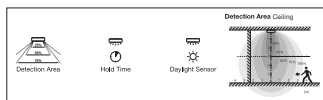
Tender texts		Document name
	Tender documents	SURFACE BULKHEAD 250 SENSOR 10W3000K WT IP65-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075374928	Folding box 1	74 mm x 272 mm x 262 mm	652.00 g	5.27 dm ³
4058075374935	Shipping box 8	550 mm x 285 mm x 315 mm	5798.00 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.