

# PRODUCT DATASHEET

## SF SLIM SQ S 200 19W 840 WT IP65

SURFACE SLIM IK10 SQ 200 SENSOR | Wall and ceiling luminaire with high impact resistance



PERFOR-  
MANCE  
CLASS

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### Areas of application

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

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### Product benefits

- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- 5 years guarantee
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)

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### 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
- Type of protection: IP65
- Luminous flux: up to 3,680 lm
- High luminous efficacy: up to 105 lm/W
- Lifetime (L70/B50) up to 50,000 h (at 25 °C)
- Ambient temperature in operation: -30...+50 °C

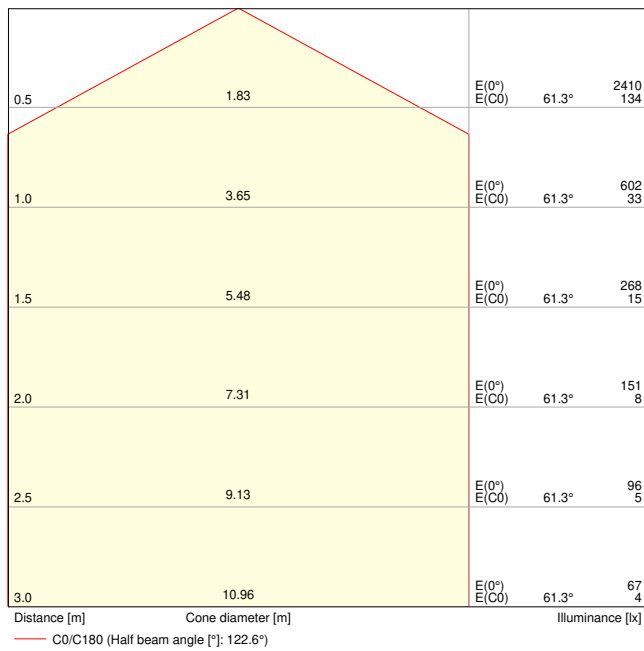
## TECHNICAL DATA

### Electrical data

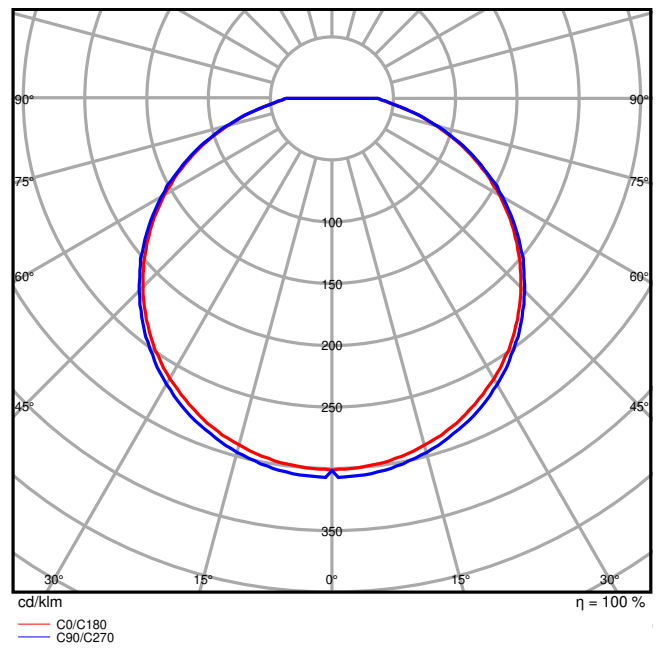
Nominal wattage	19.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	90.000 mA
Inrush current	9,08 A
Inrush current time $T_{h50}$	352 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	22
Max. number of luminaires per miniature circuit breaker C10	22
Max. number of luminaires per miniature circuit breaker C16	78
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 15 %
Protection class	II
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	2000 lm
Luminous efficacy	105 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdc <sub>m</sub>
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °



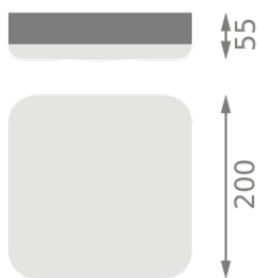
SF SLIM SQ S 200 P 19W 840 IP65 WT



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Dimensions & Weight

Length	200.00 mm
Width	200.00 mm
Height	55.00 mm
Product weight	505.00 g



SF SLIM SQ 200

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	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-30...+50 °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
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	40000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	40000 h
Lifespan L90/B10 at 25 °C	30000 h
Number of switching cycles	50000

<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	145 mA
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### Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	150 °
Sensor controlled switching time	45 s
Detection range of motion sensor	3...8 m
Detection threshold of daylight sensor	50 lx

### Certificates & Standards

Standards	CE / ENEC / UKCA
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable





Additional product data






Number of illuminants	-
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EQUIPMENT / ACCESSORIES

- Mounting screws and dowels included

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI SF SLIM RD and SQ
	Legal information	LISO Insert SF SLIM RD and SQ
	Legal information	SF SLIM 10W IP65
	Legal information	Informationstext 18 Abs 4 ElektroG

Photometric and lighting design files		Document name
	IES file (IES)	SF SLIM SQ S 200 P 19W 840 IP65 WT
	LDT file (Eulumdat)	SF SLIM SQ S 200 P 19W 840 IP65 WT
	UGR file (UGR table)	SF SLIM SQ S 200 P 19W 840 IP65 WT
	Light distribution curve type cone	SF SLIM SQ S 200 P 19W 840 IP65 WT
	Light distribution curve type polar	SF SLIM SQ S 200 P 19W 840 IP65 WT

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854102912	Folding box 1	60 mm x 207 mm x 210 mm	635.00 g	2.61 dm <sup>3</sup>
4099854102929	Shipping box 5	320 mm x 222 mm x 230 mm	3457.00 g	16.34 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.

DISCLAIMER

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