# PRODUCT DATASHEET
# SF CIRC 350 SEN V 18W 840 IP44

SURFACE CIRCULAR 350 SENSOR | Wall and ceiling luminaire with IP44 and high frequency sensor



VALUE CLASS

## Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

## Product benefits

- Easy adjustment of sensor range, daylight detection and hold time
- Indoor luminaire with high luminous efficacy
- Energy savings of up to 55 % compared to luminaires that use CFL
- Easy and quick installation
- Very homogenous light
- 3 years guarantee

## Product features

- High frequency sensor for daylight and motion detection
- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Impact resistance: IK03
- Metal housing, PMMA cover
- Ambient temperature in operation: -20...+40 °C
- Indoor use only, not suitable for outdoor use


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## TECHNICAL DATA

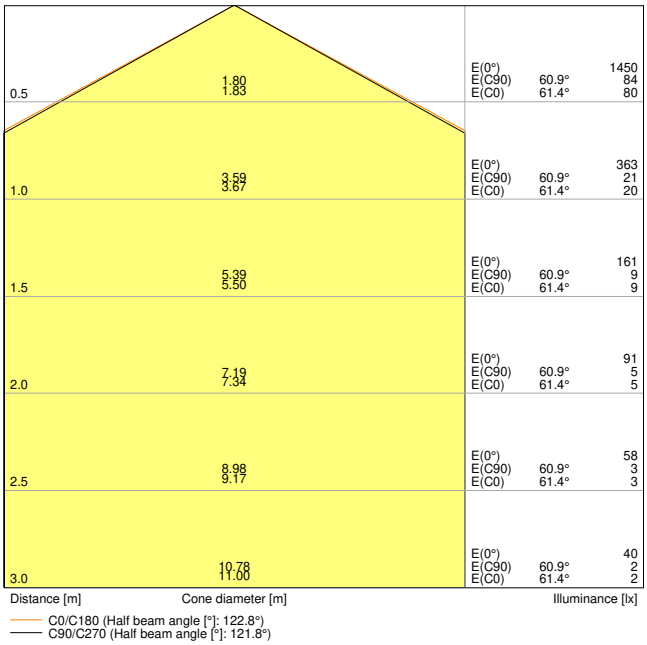
### Electrical data

| | |
|---|---|
| Nominal wattage | 18.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 140 mA |
| Inrush current | 7 A |
| Inrush current time $T_{h50}$ | 212 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 78 |
| Max. number of luminaires per miniature circuit breaker C10 | 49 |
| Max. number of luminaires per miniature circuit breaker C16 | 94 |
| Power factor λ | > 0.55 |
| Total harmonic distortion | < 120 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

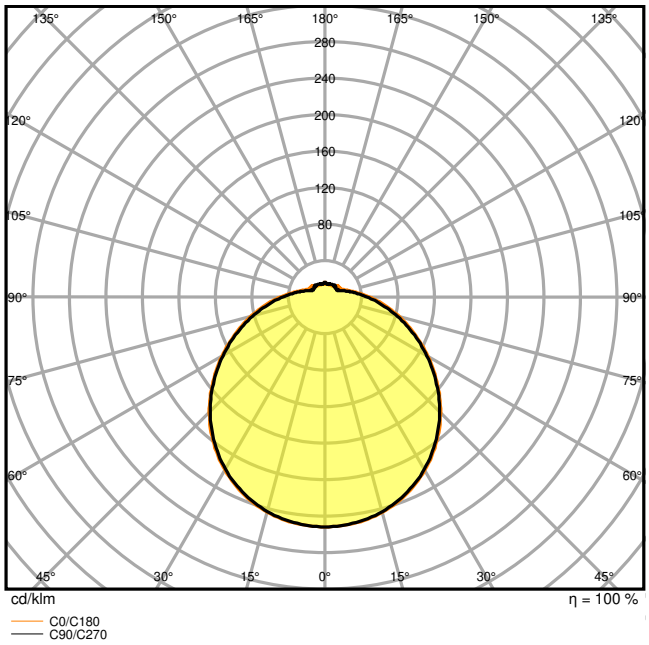
### Photometrical data

| | |
|---|---|
| Luminous flux | 1440 lm |
| Luminous efficacy | 80 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 6 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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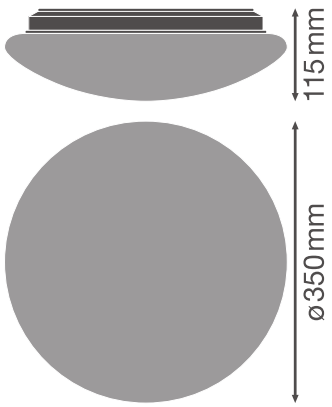

LDC typ cone




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## Dimensions & Weight

| | |
|---|---|
| Diameter | 350.00 mm |
| Height | 115.00 mm |
| Product weight | 600.00 g |




## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |


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| | |
|---|---|
| Body material | Steel |
| Cover material | Polymethylmethacrylate (PMMA) |
| Light emitting surface material | PMMA |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -20…+40 °C |
| Temperature range at storage | -20…+80 °C |
| Type of connection | Terminal, 3-pin |
| Type of protection | IP44 [1)] |
| Protection class IK (shock resistance) | IK03 |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Ceiling / Wall |
| Application environment | Indoor |
| LED module replaceable | Not replaceable |
| With light source | Yes |

1) Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 30000 h [1)] |
| Lifespan L80/B10 at 25 °C | 22000 h [1)] |
| Lifespan L90/B10 at 25 °C | 15000 h |
| Number of switching cycles | 50000 |

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 | 280 mA |

## Sensor

| | |
|---|---|
| Type of sensor | Motion / Light |
| Sensor technology | Microwave |
| Sensor detection angle | 120 ° |
| Sensor controlled switching time | 5 s…30 min |
| Detection range of motion sensor | 4…7 m |
| Detection threshold of daylight sensor | 2…50 lx |
| Sensor IP rating | IP44 |


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## Certificates & Standards

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

## EQUIPMENT / ACCESSORIES

- Replacement cover optional available

## DOWNLOAD DATA

| | Documents and certificates |
|---|---|
| PDF | User instruction |
| PDF | Addon Technical Information |
| PDF | Packaging insert |
| PDF | Declarations Of Conformity CE |
| PDF | Declarations Of Conformity UKCA |

| | Photometric and lighting design files |
|---|---|
| IES | IES file (IES) |
| LDT | LDT file (Eulumdat) |
| ULD | ULD file (DIALux) |
| ROLF | ROLF file (RELUX) |
| | UGR file (UGR table) |
| | LDC typ cone |
| | LDC typ polar |

| | CAD/BIM files |
|---|---|
| IFA | BIM_Revit_3D |
| | CAD_STEP_3D |


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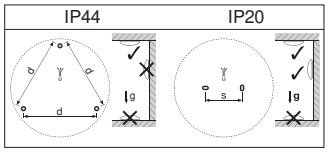
| | Tender texts |
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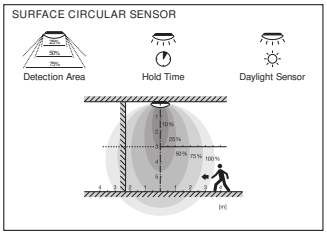
## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075618008 | Folding box<br>1 | 386 mm x 386 mm x 120 mm | 779.00 g | 17.88 $dm^3$ |
| 4058075618015 | Shipping box<br>5 | 625 mm x 410 mm x 410 mm | 4912.00 g | 105.06 $dm^3$ |

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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