

PRODUCT DATASHEET

SF CIRC 350 SEN V 18W 3CCT IP44

SURFACE CIRCULAR 350 3CCT SENSOR | Wall and ceiling luminaire with IP44, high frequency sensor and selectable CCT



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
- Highly versatile due to selectable CCT in 3000K, 4000K and 5000K
- Reduced overall height of only 75mm compared to standard version
- Energy savings of up to 55 % compared to luminaires that use CFL
- Easy and quick installation
- Very homogenous light
- 5 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

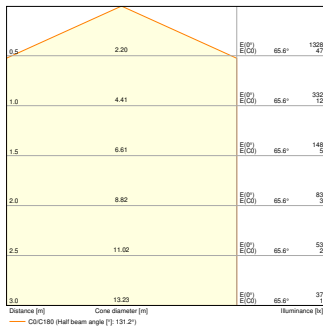
TECHNICAL DATA

Electrical data

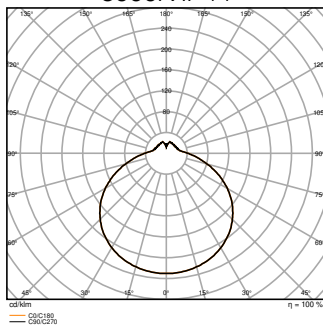
| | |
|---|-----------------------|
| Nominal wattage | 18.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 85.000 mA |
| Inrush current | 7.2 A |
| Inrush current time T_{h50} | 5.6 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 104 |
| Max. number of luminaires per miniature circuit breaker C10 | 83 |
| Max. number of luminaires per miniature circuit breaker C16 | 133 |
| Power factor λ | > 0.70 |
| Total harmonic distortion | < 60 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

Photometrical data

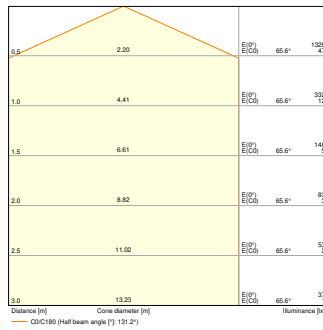
| | |
|--|------------------------------------|
| Luminous flux | 1440 lm |
| Luminous efficacy | 80 lm/W |
| Color temperature | 3000 K / 4000 K / 5000 K |
| Reference control setting of contained light source (Kelvin) | 4000 K |
| Light color (designation) | Warm White / Cool White / Daylight |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 6 sdc _m |
| Low flicker | Yes |
| Flickering metric (Pst LM) | < 1 |
| Stroboscope effect metric (SVM) | < 0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 120 ° |



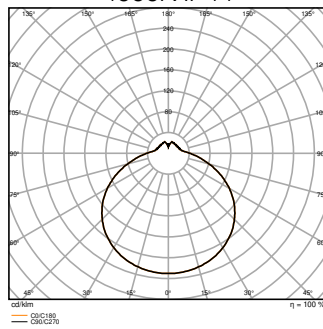
SF CIRC 350 SEN V 18W 3CCT
3000K IP44



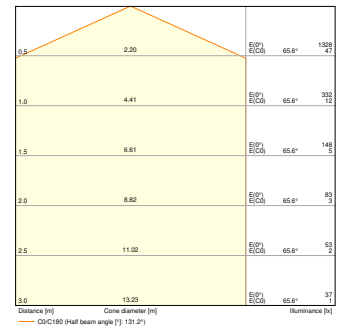
SF CIRC 350 SEN V 18W 3CCT
3000K IP44



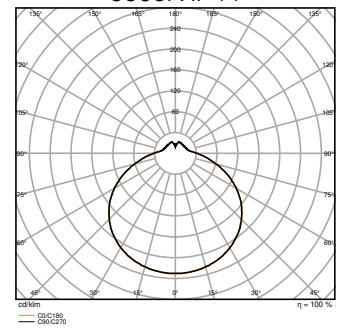
SF CIRC 350 SEN V 18W 3CCT
4000K IP44



SF CIRC 350 SEN V 18W 3CCT
4000K IP44



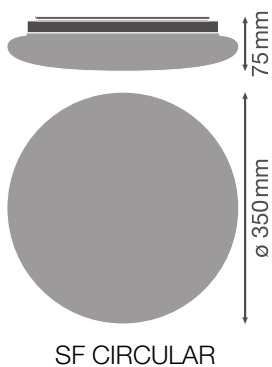
SF CIRC 350 SEN V 18W 3CCT
5000K IP44



SF CIRC 350 SEN V 18W 3CCT
5000K IP44

Dimensions & Weight

| | |
|----------------|----------|
| Diameter | 350 mm |
| Height | 75.00 mm |
| Product weight | 595.00 g |



Materials & Colors

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

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 50000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 33000 h ¹⁾ |
| Lifespan L90/B10 at 25 °C | 15000 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)

Control gear

| | |
|-----------------------------|--------|
| Output current | 220 mA |
| ECG - Output ripple current | < 5 % |

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 IK rating | IK03 |

Certificates & Standards

| | |
|--|----------------------------------|
| Standards | CE / CB / TÜV / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00010-V01.01-EN |






Additional product data



| | |
|----------------|--------------|
| Added function | MULTI SELECT |
|----------------|--------------|



















EQUIPMENT / ACCESSORIES

– Replacement cover optionally available

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|---------------------------------|--|
|  | User Instruction | UI SF CIRC 350 V and SF CIRC 350 SEN V |
|  | Addon Technical Information | LSI SF CIRCULAR 350 |
|  | Legal information | Legal Insert SF CIRC SEN V IP44 |
|  | Declarations of conformity | SF SQUARE and SF CIRC |
|  | Declarations Of Conformity UKCA | SF SQUARE and SF CIRC |

| Photometric and lighting design files | | Document name |
|--|----------------|---------------------------------------|
|  | IES file (IES) | SF CIRC 350 SEN V 18W 3CCT 3000K IP44 |
|  | IES file (IES) | SF CIRC 350 SEN V 18W 3CCT 4000K IP44 |

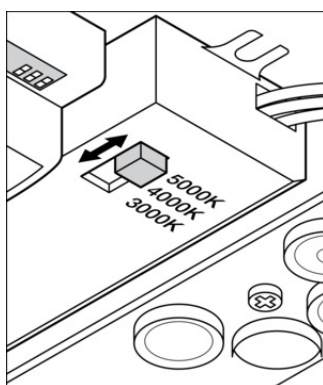
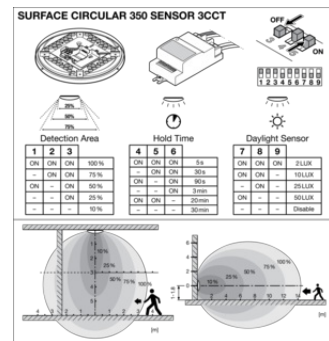
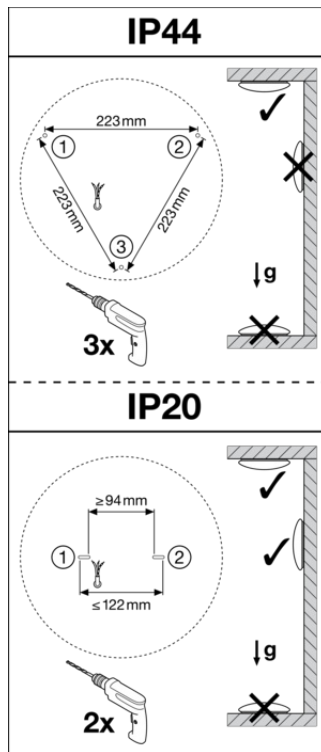
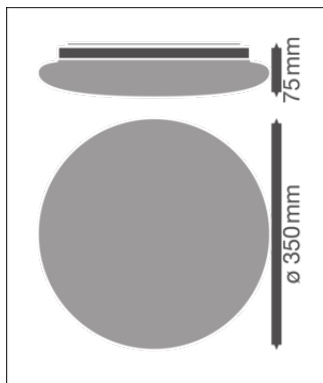
| Photometric and lighting design files | | Document name |
|---|----------------------|---|
|  | IES file (IES) | SF CIRC 350 SEN V 18W 3CCT 5000K IP44 |
|  | LDT file (Eulumdat) | SF CIRC 350 SEN V 18W 3CCT 3000K IP44 |
|  | LDT file (Eulumdat) | SF CIRC 350 SEN V 18W 3CCT 4000K IP44 |
|  | LDT file (Eulumdat) | SF CIRC 350 SEN V 18W 3CCT 5000K IP44 |
|  | ULD file (DIALux) | SF CIRC 350 SEN 18W 3CCT IP44 |
|  | ROLF file (RELUX) | SF CIRC 350 3CCT SEN 18W 3CCT IP44 |
|  | UGR file (UGR table) | SF CIRC 350 SEN V 18W 3CCT 3000K IP44 |
|  | UGR file (UGR table) | SF CIRC 350 SEN V 18W 3CCT 4000K IP44 |
|  | UGR file (UGR table) | SF CIRC 350 SEN V 18W 3CCT 5000K IP44 |
|  | LDC typ cone | SF CIRC 350 SEN V 18W 3CCT 3000K IP44 |
|  | LDC typ cone | SF CIRC 350 SEN V 18W 3CCT 4000K IP44 |
|  | LDC typ cone | SF CIRC 350 SEN V 18W 3CCT 5000K IP44 |
|  | LDC typ polar | SF CIRC 350 SEN V 18W 3CCT 3000K IP44 |
|  | LDC typ polar | SF CIRC 350 SEN V 18W 3CCT 4000K IP44 |
|  | LDC typ polar | SF CIRC 350 SEN V 18W 3CCT 5000K IP44 |
| CAD/BIM files | | Document name |
|  | BIM_Revit_3D | SURFACE CIRCULAR |
|  | CAD_STEP_3D | SF CIRC 350 |
| Tender texts | | Document name |
|  | Tender documents | SURFACE CIRCULAR 350 3CCT SENSOR 18W 3CCT IP44-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854042096 | Folding box 1 | 87 mm x 382 mm x 384 mm | 864.00 g | 12.76 dm ³ |
| 4099854042102 | Shipping box 5 | 457 mm x 392 mm x 419 mm | 5549.00 g | 75.06 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

DISCLAIMER

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