

# PRODUCT DATASHEET

## SF CIRC 350 V 18W 840 IP44

SURFACE CIRCULAR 350 | Wall and ceiling luminaire with IP44



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### Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

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### Product benefits

- 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

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### Product features

- Beam angle: 120°
- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Impact resistance: IK03
- Metal housing, PMMA cover
- Ambient temperature in operation: -20...+40 °C

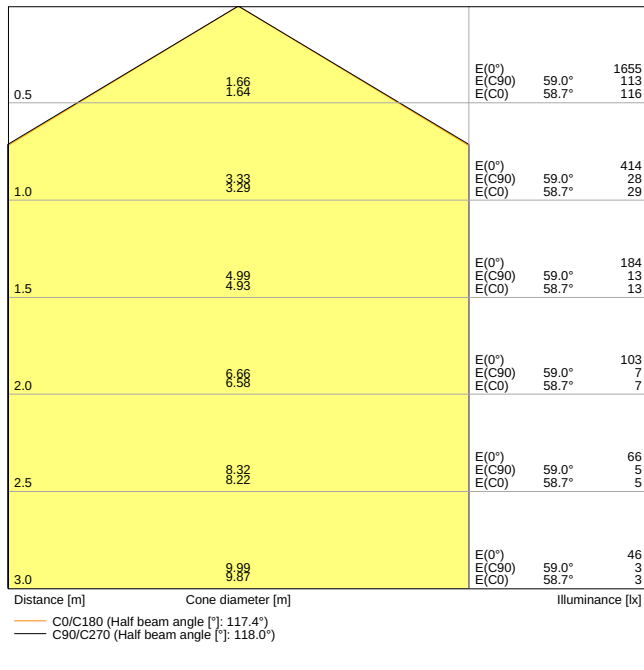
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**TECHNICAL DATA****Electrical data**

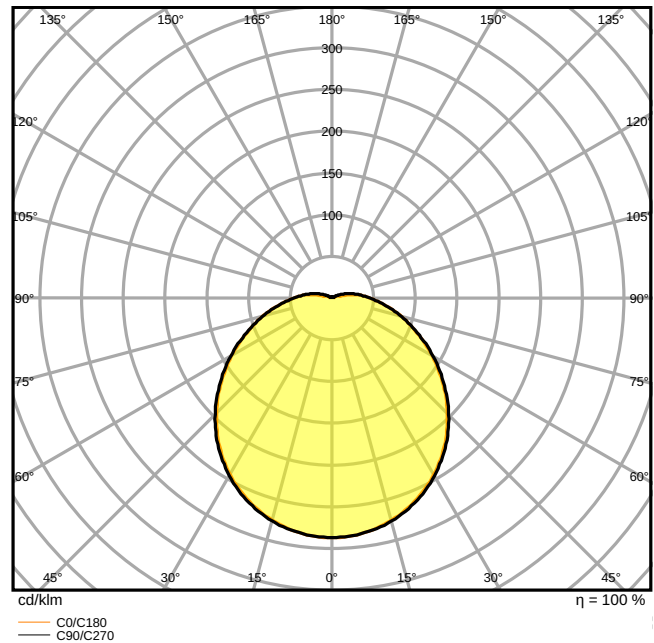
|  |                       |
|--|-----------------------|
| Nominal wattage                          | 18.00 W               |
| Nominal voltage                          | 220...240 V           |
| Mains frequency                          | 50...60 Hz            |
| Nominal current                          | 140 mA                |
| Inrush current                           | 7 A                   |
| Inrush current time $T_{h50}$            | 212 $\mu$ s           |
| Max. no. of lum. on circuit break. B16 A | 35                    |
| Max. no. of lum. on circuit break. C10 A | 35                    |
| Max. no. of lum. on circuit break. C16 A | 56                    |
| Power factor $\lambda$                   | > 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 sdc <sub>m</sub> |
| 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 °                |



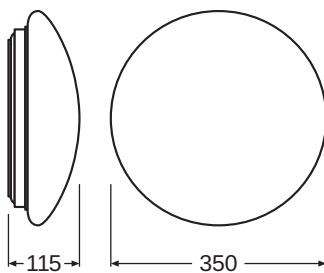
LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 350.00 mm |
| Height         | 115.00 mm |
| Product weight | 550.00 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 <sup>1)</sup> |
| 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                |

<sup>1)</sup> Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)

### Lifespan

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

### Certificates & Standards

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














### Additional product data

|                |                               |
|----------------|-------------------------------|
| Product remark | Available from September 2021 |
|----------------|-------------------------------|

### EQUIPMENT / ACCESSORIES

– Replacement cover optional available

### DOWNLOAD DATA

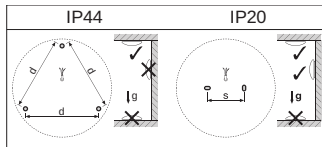
| DOWNLOAD DATA   |  |
|---|--|
|     | User instruction<br>SURFACE CIRCULAR SENSOR              |
|     | Addon Technical Information<br>LS Insert SF Circular     |
|     | Addon Technical Information<br>LS Insert SF Circular     |
|    | Tender documents<br>Tender Text 4058075080034            |
|    | Tender documents<br>SURFACE CIRCULAR 350 18W 840 IP44-EN |
|    | Tender documents<br>SURFACE CIRCULAR 350 18W 840 IP44-EN |
|     | Declarations of conformity                               |
|     | Declarations of conformity<br>SF CIRC                    |
|   | IES file (IES)<br>SF CIRC 350 V 18W 840 IP44             |
|  | LDT file (Eulumdat)<br>SF CIRC 350 V 18W 840 IP44        |
|  | R3D file (Relux 3D Model)<br>Surface circular 350        |
|  | M3D file (3D Model)<br>Surface_Circular_350              |
|  | UGR file (UGR table)<br>SF CIRC 350 V 18W 840 IP44       |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075617964 | Folding box<br>1             | 386 mm x 386 mm x 120 mm             | 779.00 g     | 17.88 dm <sup>3</sup>  |
| 4058075617971 | Shipping box<br>5            | 625 mm x 410 mm x 410 mm             | 4912.00 g    | 105.06 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



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## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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