

# PRODUCT DATASHEET

## SF CIRC 500 V 42W 830 IP44 PS

SURFACE CIRCULAR 500 PS | Wall and ceiling luminaire with IP44 and power select (PS)



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### Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

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### Product benefits

- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- 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
- 5 years guarantee

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### Product features

- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Extended lifetime (L70/B10): up to 50,000 h (at 25°C)
- 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

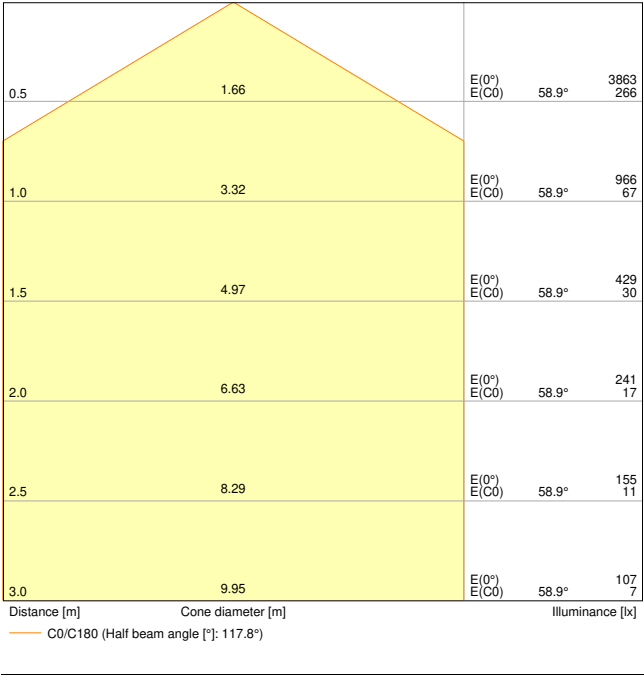
|                                          |                                  |
|------------------------------------------|----------------------------------|
| Nominal wattage                          | 42 W / 30 W / 19 W <sup>1)</sup> |
| Nominal voltage                          | 220...240 V                      |
| Mains frequency                          | 50...60 Hz                       |
| Nominal current                          | 180.000 mA                       |
| Inrush current                           | 23.2 A                           |
| Inrush current time T <sub>h50</sub>     | 280 µs                           |
| Max. no. of lum. on circuit break. B16 A | 11                               |
| Max. no. of lum. on circuit break. C10 A | 10                               |
| Max. no. of lum. on circuit break. C16 A | 17                               |
| Power factor λ                           | > 0.90                           |
| Total harmonic distortion                | < 30 %                           |
| Protection class                         | I                                |
| Operating mode                           | Integrated LED driver            |

<sup>1)</sup> For possible options refer to lumen/power table image

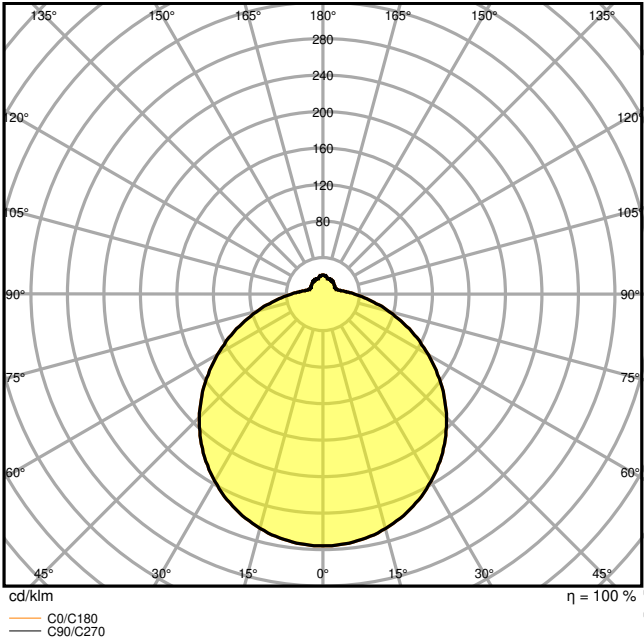
### Photometrical data

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Luminous flux                                | 3500 lm / 2500 lm / 1500 lm <sup>1)</sup> |
| Luminous efficacy                            | 83 lm/W / 78 lm/W <sup>1)</sup>           |
| Color temperature                            | 3000 K                                    |
| Light color (designation)                    | Warm white                                |
| Color rendering index Ra                     | > 80                                      |
| Standard deviation of color matching         | < 5 sdcn                                  |
| Low flicker                                  | Yes                                       |
| Flickering metric (Pst LM)                   | <1                                        |
| Stroboscope effect metric (SVM)              | <0.4                                      |
| Photobiological safety group acc. to EN62778 | RG0                                       |
| Beam angle                                   | 120 °                                     |

<sup>1)</sup> For possible options refer to lumen/power table image



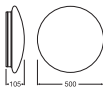
LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 500.00 mm |
| Height         | 105.00 mm |
| Product weight | 1150.00 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...+45 °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 |
| Lifespan L80/B10 at 25 °C  | 45000 h |
| Lifespan L90/B10 at 25 °C  | 40000 h |
| Number of switching cycles | 100000  |

### Control gear

|                             |         |
|-----------------------------|---------|
| Output current              | 1000 mA |
| ECG - Output ripple current | < 20 %  |

### Certificates & Standards

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

### Additional product data

|                |                           |
|----------------|---------------------------|
| Product remark | Available from March 2023 |
|----------------|---------------------------|

### EQUIPMENT / ACCESSORIES

- Replacement cover optional available

## DOWNLOAD DATA

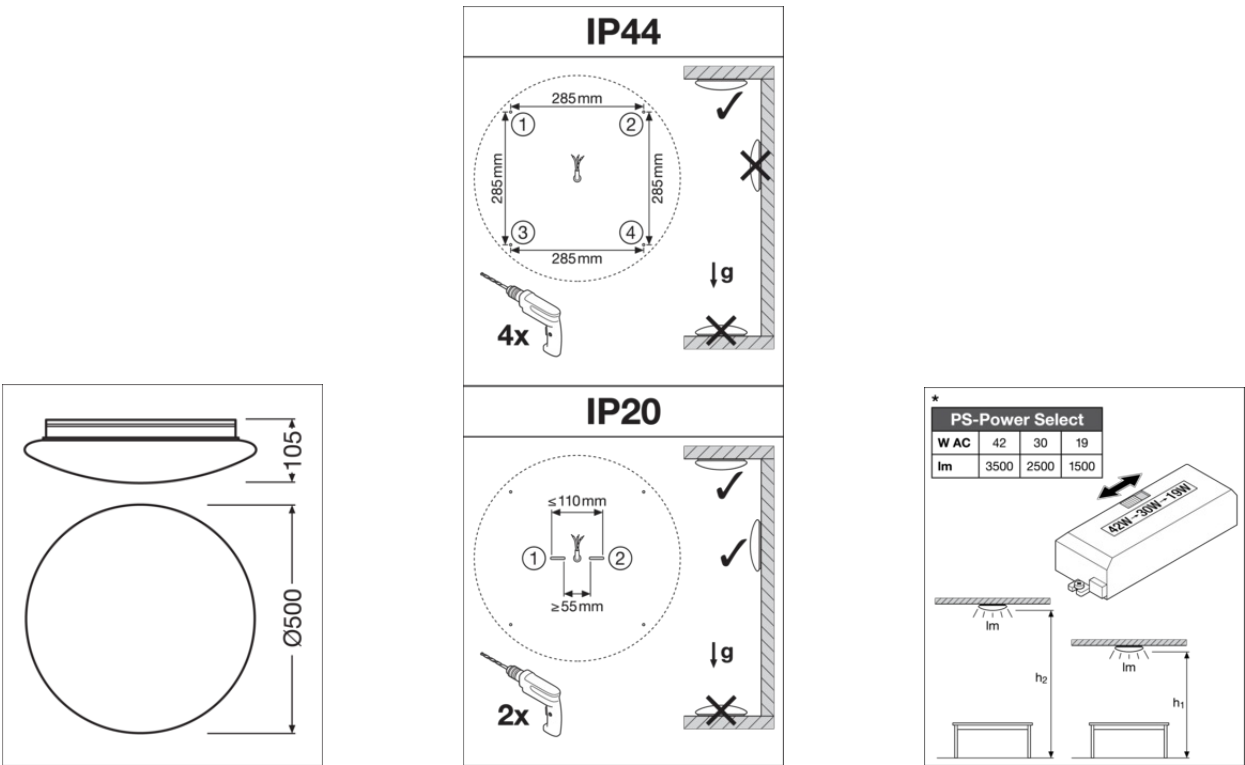
| Documents and certificates                                                          |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
|     | User instruction              |
|     | Addon Technical Information   |
|     | Packaging insert              |
|     | Declarations Of Conformity CE |
| Photometric and lighting design files                                               |                               |
|    | IES file (IES)                |
|    | LDT file (Eulumdat)           |
|    | ULD file (DIALux)             |
|   | ROLF file (RELUX)             |
|  | UGR file (UGR table)          |
|   | LDC typ cone                  |
|   | LDC typ polar                 |
| CAD/BIM files                                                                       |                               |
|   | CAD_STEP_3D                   |
| Tender texts                                                                        |                               |
|  | Tender documents              |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4099854042119 | Folding box<br>1             | 112 mm x 527 mm x 534 mm             | 1622.00 g    | 31.52 dm <sup>3</sup>  |
| 4099854042126 | Shipping box<br>5            | 582 mm x 547 mm x 564 mm             | 10149.00 g   | 179.55 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



References / Links

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

DISCLAIMER

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