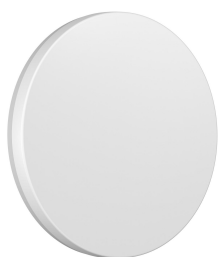


# PRODUCT DATASHEET

## SF FLAT RD 330 P 19W ML 83040

SURFACE FLAT ROUND | Versatile round wall and ceiling luminaire



### Areas of application

- Direct replacement for surface luminaires with integrated CFLni lamps
- Corridors
- Stairways
- Bathrooms
- Foyers

### Product benefits

- Easy upgradeability of light source, driver and sensor (EVERLOOP design)
- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen) on the driver
- Indoor luminaire with high luminous efficacy up to 140 lm/W
- High color consistency with SDCM 3
- Tool-free electrical connection due to push button connector
- Very homogenous light with a slight backlight effect
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- 5 years guarantee

### Product features

- Type of protection: IP54 (wall and ceiling)
- Impact resistance: IK08
- Lifetime (L80/B10): 100,000 h (at 25 °C), (L90/B10): 50,000 h (at 25 °C)
- Polycarbonate (PC) housing, PC-diffuser
- Ambient temperature in operation: -20...+45 °C



- Glow Wire Test according to IEC 60695-2-12: 850 °C
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup>
- Through-wiring possible
- Indoor use only, not suitable for outdoor use
- Sensor version with high frequency sensor, corridor- and grouping function

## TECHNICAL DATA

### Electrical data

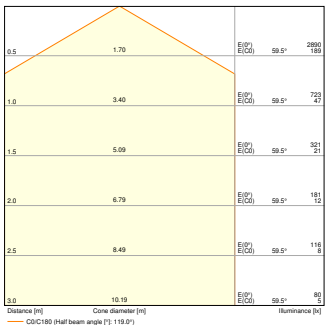
|                                                             |                           |
|-------------------------------------------------------------|---------------------------|
| Nominal wattage                                             | 19 W / 12 W <sup>1)</sup> |
| Nominal voltage                                             | 220...240 V               |
| Mains frequency                                             | 50/60 Hz                  |
| Nominal current                                             | 85.000 mA                 |
| Inrush current                                              | 13 A                      |
| Inrush current time T <sub>h50</sub>                        | 112 µs                    |
| Max. number of luminaires per miniature circuit breaker B16 | 57                        |
| Max. number of luminaires per miniature circuit breaker C10 | 46                        |
| Max. number of luminaires per miniature circuit breaker C16 | 73                        |
| Power factor $\lambda$                                      | > 0.90                    |
| Total harmonic distortion                                   | < 20 %                    |
| Protection class                                            | II                        |
| Operating mode                                              | Integrated LED driver     |

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

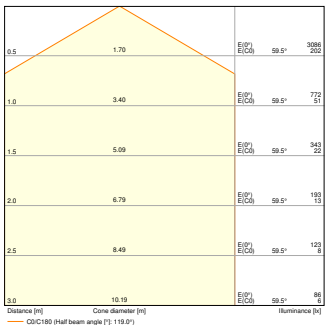
### Photometrical data

|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Luminous flux                                | 2660 lm / 1660 lm <sup>1)</sup>   |
| Luminous efficacy                            | 140 lm/W / 138 lm/W <sup>1)</sup> |
| Color temperature                            | 3000 K / 4000 K                   |
| Light color (designation)                    | Warm White / Cool White           |
| Color rendering index Ra                     | > 80                              |
| Standard deviation of color matching         | 3 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 °                             |

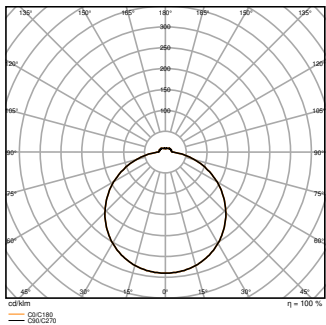
<sup>1)</sup> For possible options refer to lumen/power table image



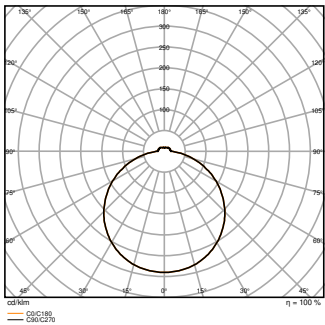
SF FLAT RD 330 P 19W 3000K  
2490lm



SF FLAT RD 330 P 19W 4000K  
2660lm



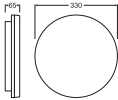
SF FLAT RD 330 P 19W 3000K  
2490lm



SF FLAT RD 330 P 19W 4000K  
2660lm

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 330.00 mm |
| Height         | 65.00 mm  |
| Product weight | 1369.00 g |



SF FLAT RD 330 19W CPS

Materials & Colors

|                          |                    |
|--------------------------|--------------------|
| Product color            | White              |
| Housing color            | White              |
| RAL Color (most similar) | RAL 9003           |
| Body material            | Polycarbonate (PC) |

|                                            |                    |
|--------------------------------------------|--------------------|
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C             |
| Mercury content                            | 0.0 mg             |

### Application & Mounting

|                                        |                    |
|----------------------------------------|--------------------|
| Ambient temperature range              | -20...+45 °C       |
| Temperature range at storage           | -40...+80 °C       |
| Type of connection                     | Screwless terminal |
| Type of protection                     | IP54               |
| Protection class IK (shock resistance) | IK08               |
| Dimmable                               | No                 |
| Mounting type                          | Surface            |
| Mounting location                      | Ceiling / Wall     |
| Application environment                | Indoor             |
| With light source                      | Yes                |
| Replaceable light source               | Yes                |

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| Lifespan L90/B10 at 25 °C  | 50000 h                |
| Number of switching cycles | 100000                 |

<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              | 450 mA |
| ECG - Output ripple current | < 5 %  |

### Emergency lighting

|                                 |                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------|
| Type of Emergency Lighting (EL) | EL certified driver (0Hz / DC operation) for central battery operation included |
|---------------------------------|---------------------------------------------------------------------------------|

### Certificates & Standards

|                                                      |                                   |
|------------------------------------------------------|-----------------------------------|
| Standards                                            | CE / CB / ENEC / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | Yes                               |

|                                  |                      |
|----------------------------------|----------------------|
| Ball shot safe                   | No                   |
| EPD                              | LEDV-00028-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable      |

### Additional product data

|                |                         |
|----------------|-------------------------|
| Added function | EVERLOOP / MULTI SELECT |
|----------------|-------------------------|

### Accessories Optional

| Product image                                                                       | Product name                       | EAN           |
|-------------------------------------------------------------------------------------|------------------------------------|---------------|
|    | LISOEV 330 R 19W 830 840 SF FLAT   | 4099854312212 |
|    | SF FLAT 330 ROUND FRAME SI         | 4099854292934 |
|   | DR DS SENS-P- 19/220-240/450 SF FL | 4099854292859 |
|  | SENSOR SF FLAT LEADER FOLLOWER     | 4099854292897 |

### EQUIPMENT / ACCESSORIES

- EVERLOOP luminaire: upgrades and replacements available
- Decorative silver frame separately available

### Upgrade and replacement components

| Components Light Source                                                             |                                  |               |
|-------------------------------------------------------------------------------------|----------------------------------|---------------|
| Product image                                                                       | Product name                     | EAN           |
|  | LISOEV 330 R 19W 830 840 SF FLAT | 4099854312212 |
| Components Driver                                                                   |                                  |               |

| Product image                                                                     | Product name                       | EAN           |
|-----------------------------------------------------------------------------------|------------------------------------|---------------|
|  | DR DS SENS-P- 19/220-240/450 SF FL | 4099854292859 |

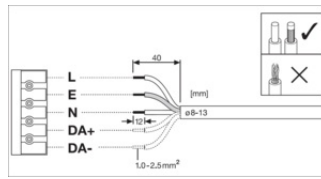
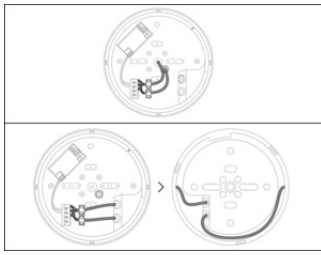
## DOWNLOAD DATA

| Documents and certificates                                                                                              | Document name                      |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|  User instruction / safety instructions | UI Surface Flat                    |
|  Legal information                      | LISO Insert SF FLAT                |
|  Legal information                      | Legal Insert SF FLAT               |
|  Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  Declarations of conformity             | CE Declaration SF FLAT             |
|  Declarations of conformity UKCA      | UKCA Declaration SF FLAT           |
|  Certificates                         | ENEC SF FLAT                       |
|  EPD                                  | EPD EN SURFACE FLAT                |

| Photometric and lighting design files                                                                  | Document name                     |
|--------------------------------------------------------------------------------------------------------|-----------------------------------|
|  IES file (IES)      | SF FLAT RD 330 P 19W 3000K 2490lm |
|  IES file (IES)      | SF FLAT RD 330 P 19W 4000K 2660lm |
|  LDT file (Eulumdat) | SF FLAT RD 330 P 19W 3000K 2490lm |
|  LDT file (Eulumdat) | SF FLAT RD 330 P 19W 4000K 2660lm |
|  ULD file (DIALux)   | SF FLAT RD 330 P 19W CPS          |
|  ROLF file (RELUX)   | SF FLAT RD 330 P 19W CPS          |

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.





## 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.