

# PRODUCT DATASHEET

## SP FP FIX P 8W 940 PS DIM IP65 WT

SPOT FIRE RATED | Recessed mounted spotlight for certain fire-resistant ceilings, fixed



### Areas of application

- Direct replacement for recessed spotlights with halogen lamps
- Fire resistant ceilings
- Hotel rooms and corridors
- Bars, restaurants
- Galleries, museums

### Product benefits

- Fire-rated: Designed and tested to meet fire rating standards (in certain fire rated ceilings)
- Airtight construction for reduced air-leakage and limited energy loss
- Powerselect: Brightness adjustment via dip switches on the driver
- Easy replacement of external driver thanks to plug with bayonet lock
- Easy installation and electrical connection thanks to tool-free electrical connectors
- SCALE Design – great appearance, valuable materials and small size fits into every surrounding
- 5 years guarantee

### Product features

- Color rendering index  $R_a$ : 90
- Type of protection: IP65 (room side)
- Beam angle: 36°
- Die-cast aluminum housing
- Thermal expansion ribbon already preinstalled
- Silicon-pad protected springs



- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Through-wiring possible

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## TECHNICAL DATA

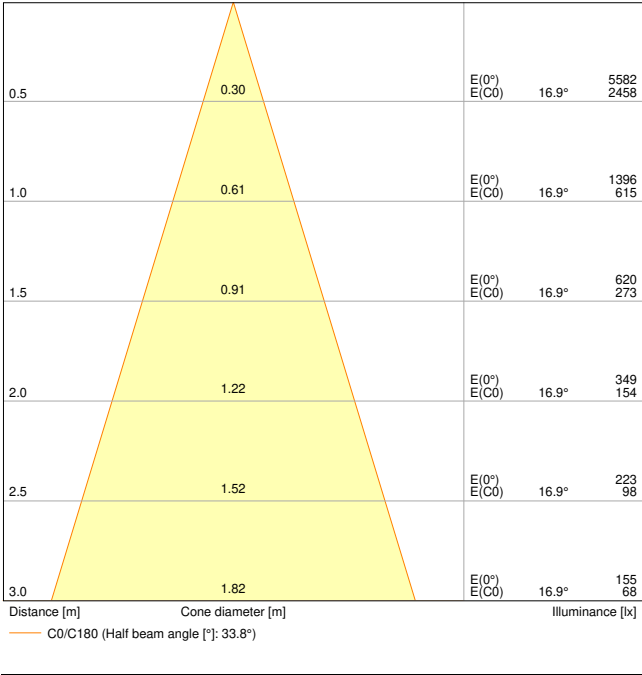
### Electrical data

|                                          |                               |
|------------------------------------------|-------------------------------|
| Nominal wattage                          | 8.00 W                        |
| Nominal voltage                          | 220...240 V                   |
| Mains frequency                          | 50...60 Hz                    |
| Nominal current                          | 38.000 mA                     |
| Inrush current                           | 2 A                           |
| Inrush current time $T_{H50}$            | 60 $\mu$ s                    |
| Max. no. of lum. on circuit break. B16 A | 336                           |
| Max. no. of lum. on circuit break. C10 A | 210                           |
| Max. no. of lum. on circuit break. C16 A | 336                           |
| Power factor $\lambda$                   | 0.90                          |
| Total harmonic distortion                | < 20 %                        |
| Protection class                         | II                            |
| Operating mode                           | Electronic control gear (ECG) |

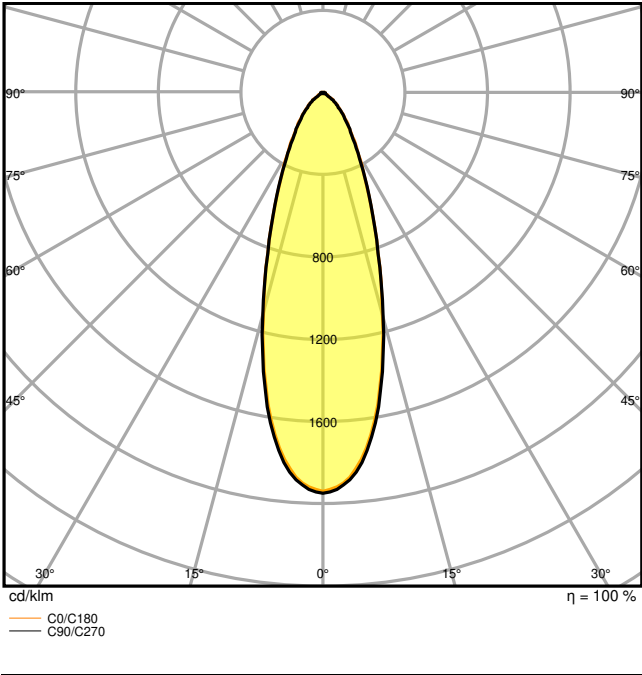
### Photometrical data

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 720 lm        |
| Luminous efficacy                            | 90 lm/W       |
| Color temperature                            | 4000 K        |
| Light color (designation)                    | Cool White    |
| Color rendering index Ra                     | 90            |
| Standard deviation of color matching         | $\leq 3$ sdcn |
| Low flicker                                  | Yes           |
| Photobiological safety group acc. to EN62778 | RG1           |
| Beam angle                                   | 36 °          |





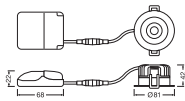
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LDC typ polar

Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 81.00 mm |
| Height         | 42.00 mm |
| Product weight | 240.00 g |



Materials & Colors

|                                 |                               |
|---------------------------------|-------------------------------|
| Product color                   | White                         |
| Housing color                   | White                         |
| Body material                   | Aluminum                      |
| 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           | -42...+80 °C    |
| Type of connection                     | Push terminal   |
| Type of protection                     | IP65/IP20       |
| Protection class IK (shock resistance) | IK05            |
| Dimmable                               | Yes             |
| Type of dimming                        | PHASE CUT       |
| Mounting type                          | Recessed        |
| Mounting location                      | Ceiling         |
| Application environment                | Indoor          |
| Mounting diameter                      | 68 mm           |
| Mounting depth                         | 50,0 mm         |
| Adjustable                             | No              |
| LED module replaceable                 | Not replaceable |
| With light source                      | Yes             |

### Lifespan

|                            |         |
|----------------------------|---------|
| Lifespan L70/B50 at 25 °C  | 50000 h |
| Lifespan L80/B10 at 25 °C  | 41000 h |
| Lifespan L90/B10 at 25 °C  | 18000 h |
| Number of switching cycles | 100000  |

### Control gear

|                             |         |
|-----------------------------|---------|
| Output current              | 180 mA  |
| ECG - Output ripple current | < 5 %   |
| ECG - Length                | 68,0 mm |
| ECG - Width                 | 55,0 mm |
| ECG - Height                | 22,0 mm |

### Certificates & Standards

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



## Additional product data

|                |                              |
|----------------|------------------------------|
| Product remark | Available from November 2022 |
|----------------|------------------------------|

## EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation
- Selected DALI 2.0 driver available as accessory

## Safety advice

- Coordination with your responsible fire safety inspector is required in advance
- Fire rating tested for 30 min in fire-resistant ceiling RIGIPS SD12RF F30 according EN-1364-2
- Fire rating tested for 60 min in I-Joist ceiling system according BS 476-21

## DOWNLOAD DATA

| DOWNLOAD DATA                                                                       |                             |
|-------------------------------------------------------------------------------------|-----------------------------|
|     | User instruction            |
|   | Addon Technical Information |
|  | IES file (IES)              |
|  | LDT file (Eulumdat)         |
|  | UGR file (UGR table)        |
|   | Packaging insert            |

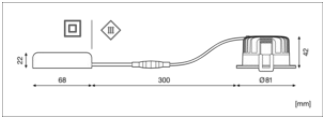
## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075799769 | Folding box<br>1             | 100 mm x 105 mm x 85 mm              | 410.00 g     | 0.89 dm <sup>3</sup>  |
| 4058075799776 | Shipping box<br>20           | 562 mm x 230 mm x 195 mm             | 8770.00 g    | 25.21 dm <sup>3</sup> |

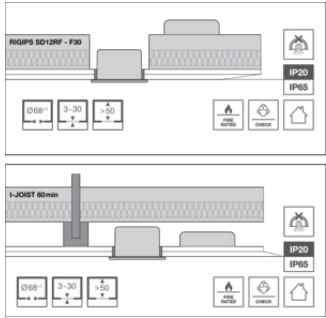
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.



ADDITIONAL CATALOG INFORMATION



|               |       |        |        |        |
|---------------|-------|--------|--------|--------|
|               | ✓     | ✓      | ✓      | ○      |
|               | ON    | ON     | ON     | Preset |
|               | 1 2   | 1 2    | 1 2    | 1 2    |
| Current (CC)  | 85 mA | 140 mA | 180 mA | 140 mA |
| Power         | 4 W   | 6 W    | 8 W    | 6 W    |
| % rated lumen | 50 %  | 80 %   | 100 %  | 80 %   |



References / Links

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

Legal advice

- Installation hints in the current user instruction ([www.ledvance.com](http://www.ledvance.com)) must be observed

DISCLAIMER

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

