

# PRODUCT DATASHEET

## SPOT FP FIX DIM 8 W 4000 K IP65/IP20 SI

SPOT FIREPROOF DIM | Recessed mounted spotlight, round shape, fire-resistant, dimmable



### Areas of application

- Replacement of halogen lamp spotlights
- Hotel rooms
- Bars, restaurants
- Bathrooms
- Accent lighting
- Galleries, museums
- General illumination

### Product benefits

- High luminous efficacy
- Design matches the LEDVANCE DOWNLIGHT luminaire family
- Energy savings of up to 90 % compared to halogen lamp spotlights
- Functional and minimalistic design
- Easy installation with fast connection
- External driver for extended flexibility (compatible with selected dim. drivers)
- Designed for extra IP protection
- 5 years guarantee

### Product features

- Fire-resistant (up to 90 minutes, tested in accordance with EN 1365-2:2014 'fire resistance tests for loadbearing elements - Part 2: Floors and roofs')



- Outdoor use and fire-resistant (up to 90 minutes, BS476-20:1987 and BS476-21:1987)
- Compatible with standard ceiling cutouts of 68 mm
- Initial color consistency:  $\leq 4$  SDCM
- Type of protection, front side: IP65

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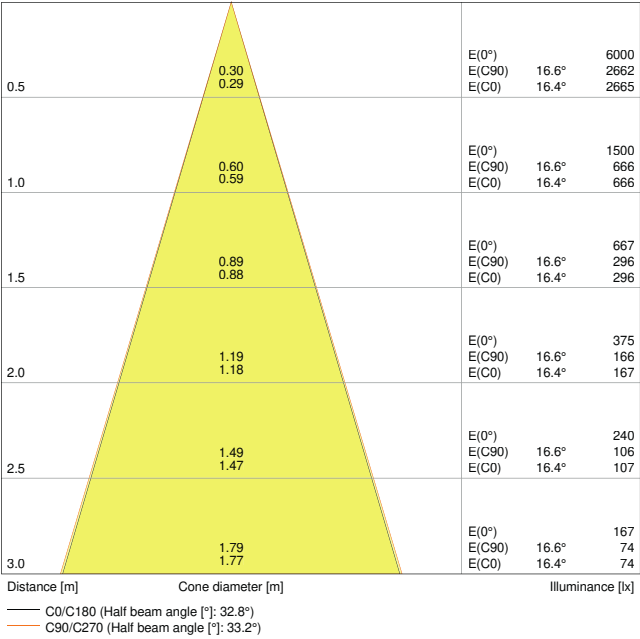
## TECHNICAL DATA

### Electrical data

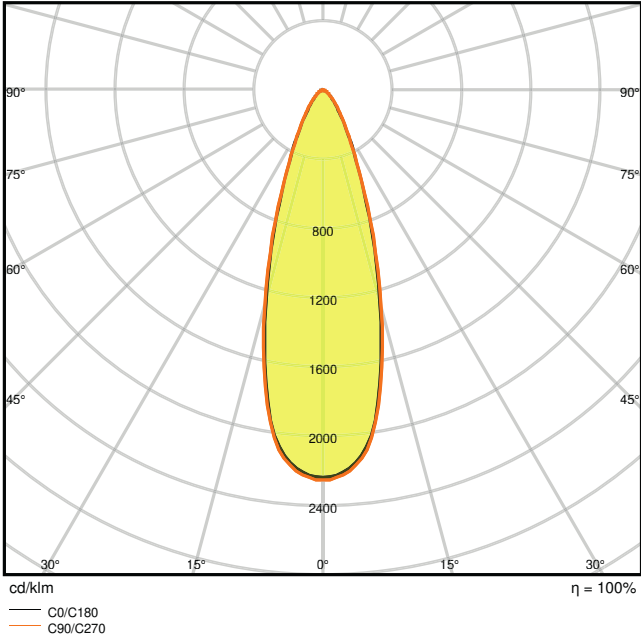
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 8.00 W                        |
| Nominal voltage                                             | 220...240 V                   |
| Mains frequency                                             | 50...60 Hz                    |
| Nominal current                                             | 170 mA                        |
| Max. number of luminaires per miniature circuit breaker B16 | 200                           |
| Max. number of luminaires per miniature circuit breaker C10 | 100                           |
| Max. number of luminaires per miniature circuit breaker C16 | 200                           |
| Power factor $\lambda$                                      | > 0.90                        |
| Total harmonic distortion                                   | 20 %                          |
| Protection class                                            | II                            |
| Operating mode                                              | Electronic control gear (ECG) |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 670 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         | ≤4 sdcn    |
| Luminous intensity                           | -          |
| Flickering metric (Pst LM)                   | -          |
| Stroboscope effect metric (SVM)              | -          |
| Photobiological safety group acc. to EN62778 | RG0        |
| Photobiological safety group acc. to EN62471 | RG0        |
| Beam angle                                   | 36 °       |



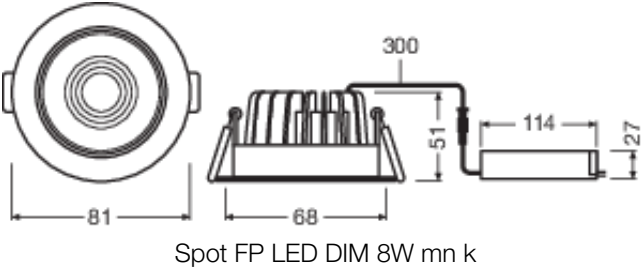
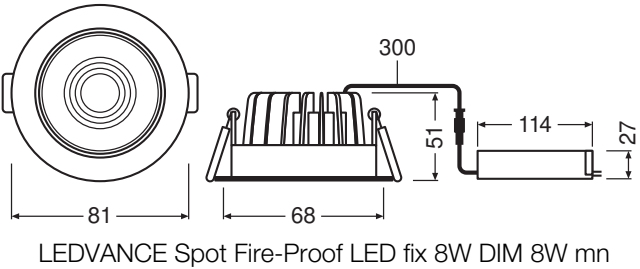
4058075811232 SpotFP LED fix 8W 4000K SI DIM IP65



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Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 81.00 mm |
| Height         | 51.00 mm |
| Product weight | 269.00 g |



Materials & Colors

|               |          |
|---------------|----------|
| Product color | Silver   |
| Housing color | Silver   |
| Body material | Aluminum |

|                                            |        |
|--------------------------------------------|--------|
| 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                 |
| Type of connection                     | Screw terminal, 2-Pole (L,N) |
| Type of protection                     | IP65/IP20                    |
| Protection class IK (shock resistance) | IK06                         |
| Dimmable                               | Yes                          |
| Type of dimming                        | LEA/TR.EDG                   |
| Mounting type                          | Recessed                     |
| Mounting location                      | Ceiling                      |
| Application environment                | Indoor                       |
| Mounting diameter                      | 68 mm                        |
| Mounting depth                         | 90 mm                        |
| With light source                      | Yes                          |
| Replaceable light source               | No                           |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 40000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 40000 h               |
| Lifespan L90/B10 at 25 °C  | 20000 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

|              |        |
|--------------|--------|
| ECG - Length | 120 mm |
| ECG - Height | 35 mm  |

### Certificates & Standards

|                                                      |                                |
|------------------------------------------------------|--------------------------------|
| Standards                                            | CE / CB / TÜV SÜD / EAC / RoHS |
| Luminaire with limited surface temperature, "D sign" | No                             |
| Ball shot safe                                       | No                             |
| Replaceable light source (EPREL)                     | Not replaceable                |

## Safety advice

- Coordination with your responsible fire safety inspector is required in advance
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                                                      |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------|
|    | User instruction / safety instructions | User Instruction Spot LED DIM                                      |
|    | On-Pack-Info                           | Legal Insert Spot LED                                              |
|    | Legal information                      | LSI SPOTFP LED FIX AND SPOT LED FIX                                |
|    | Declarations of conformity             | Attestation-of-Conformity-Spot LED -Fix DIM +Downlight LED 35W TÜV |
|    | Declarations of conformity             | CE Declaration_Spot FP LED fix_Spot LED fix                        |
|  | Declarations of conformity UKCA        | SPOTFP LED FIX 8W DIM                                              |
| Photometric and lighting design files                                              |                                        | Document name                                                      |
|  | IES file (IES)                         | SpotFP LED fix 8W 4000K SI DIM IP65                                |
|  | LDT file (Eulumdat)                    | SpotFP LED fix 8W 4000K SI DIM IP65                                |
|  | ULD file (DIALux)                      | SPOTFIREPROOFDIM8W4000KIP65SI                                      |
|  | UGR file (UGR table)                   | 4058075811232 SpotFP LED fix 8W 4000K SI DIM IP65                  |
|  | Light distribution curve type cone     | 4058075811232 SpotFP LED fix 8W 4000K SI DIM IP65                  |
|  | Light distribution curve type polar    | 4058075811232 SpotFP LED fix 8W 4000K SI DIM IP65                  |

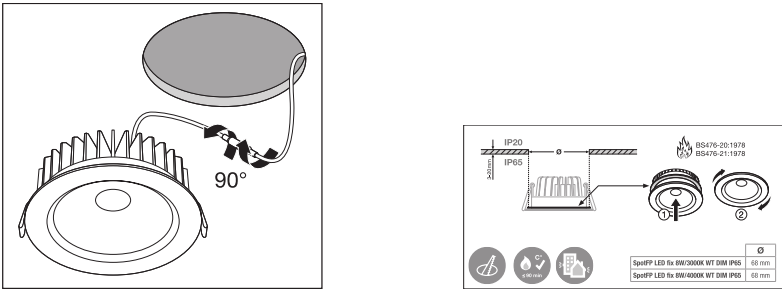
## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075127494 | Folding box<br>1             | 142 mm x 102 mm x 112 mm             | 355.00 g     | 1.62 dm <sup>3</sup> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075127500 | Shipping box<br>27           | 440 mm x 320 mm x 360 mm             | 10110.00 g   | 50.69 dm³ |

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.