

# PRODUCT DATASHEET

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

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



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### Areas of application

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

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### 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

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### 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

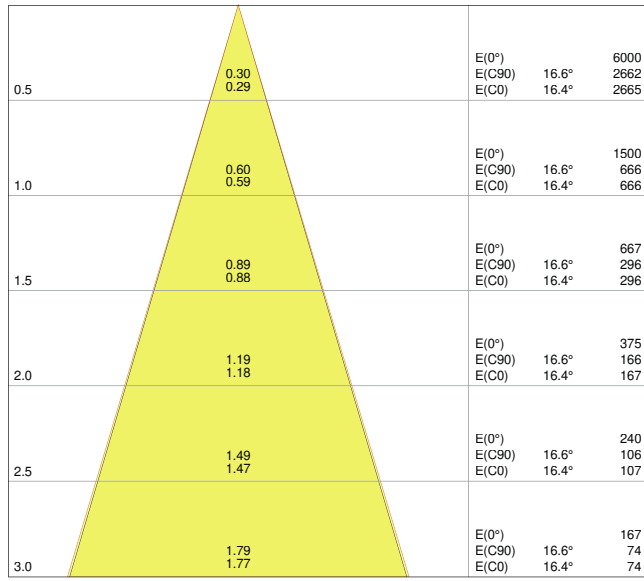
## TECHNICAL DATA

### Electrical data

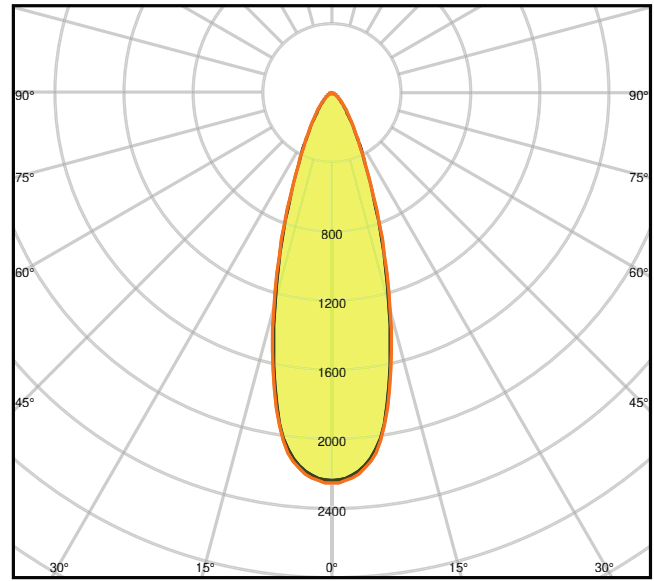
|   |                               |
|---|-------------------------------|
| Nominal wattage   | 8.00 W                        |
| Nominal voltage   | 220...240 V                   |
| Mains frequency   | 50...60 Hz                    |
| Nominal current   | 170 mA                        |
| Max. no. of lum. on circuit break. C10 A                    | 100                           |
| Power factor $\lambda$                                      | > 0.90                        |
| Total harmonic distortion                                   | 20 %                          |
| Protection class  | II                            |
| Operating mode  | Electronic control gear (ECG) |
| Max. number of luminaires per miniature circuit breaker C16 | 200                           |
| Max. number of luminaires per miniature circuit breaker B16 | 200                           |

### 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         | $\leq 4$ 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 °          |



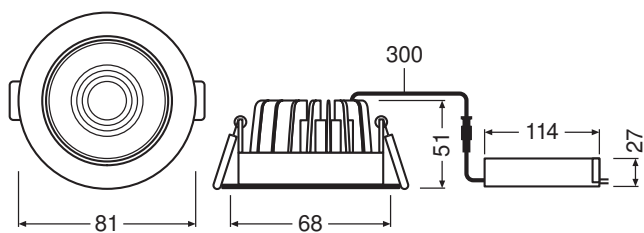
LDC typ cone



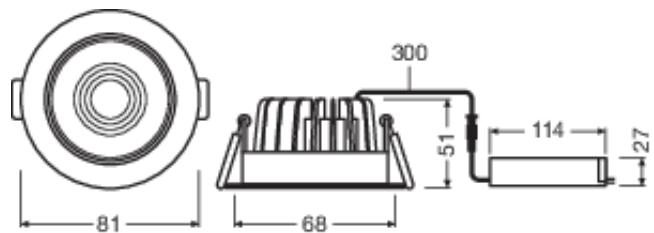
LDC typ polar

### Dimensions & Weight

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



Product line drawing with numbers



Product line drawing with numbers

### 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                        |
| LED module replaceable                 | Not replaceable              |
| With light source                      | Yes                          |

### Lifespan

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

**Safety advice**







- Coordination with your responsible fire safety inspector is required in advance

**DOWNLOAD DATA**

**Documents and certificates**

|   |                                 |
|---|---------------------------------|
|   | User instruction                |
|   | Addon Technical Information     |
|   | On-Pack-Info                    |
|   | Declarations Of Conformity CE   |
|  | Declarations Of Conformity UKCA |

**Photometric and lighting design files**

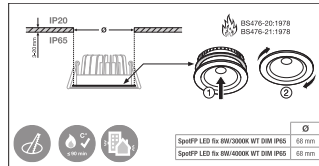
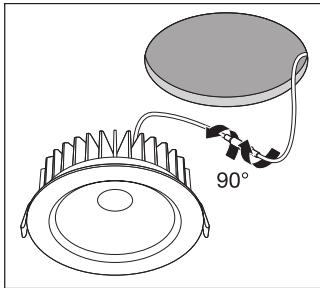
|   |                      |
|---|----------------------|
|  | IES file (IES)       |
|  | LDT file (Eulumdat)  |
|  | ULD file (DIALux)    |
|  | UGR file (UGR table) |
|   | LDC typ cone         |
|   | LDC typ polar        |

**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>  |
| 4058075127500 | Shipping box<br>27           | 440 mm x 320 mm x 360 mm             | 10110.00 g   | 50.69 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.