

# 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

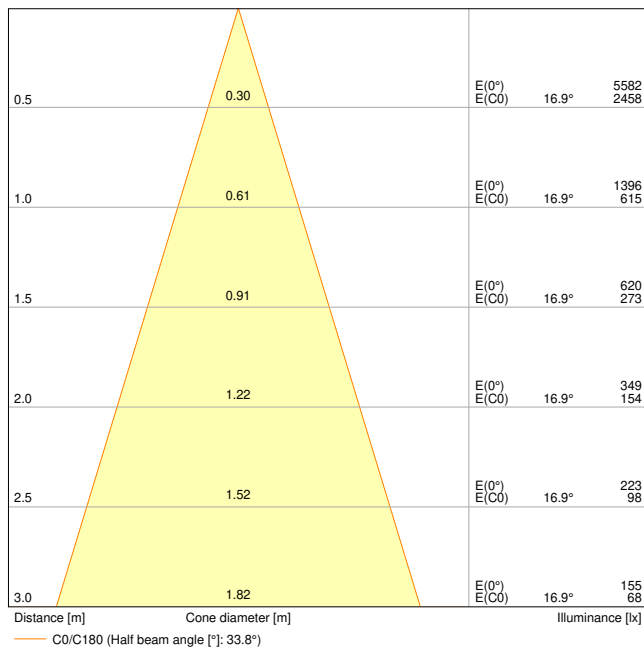
## TECHNICAL DATA

### Electrical data

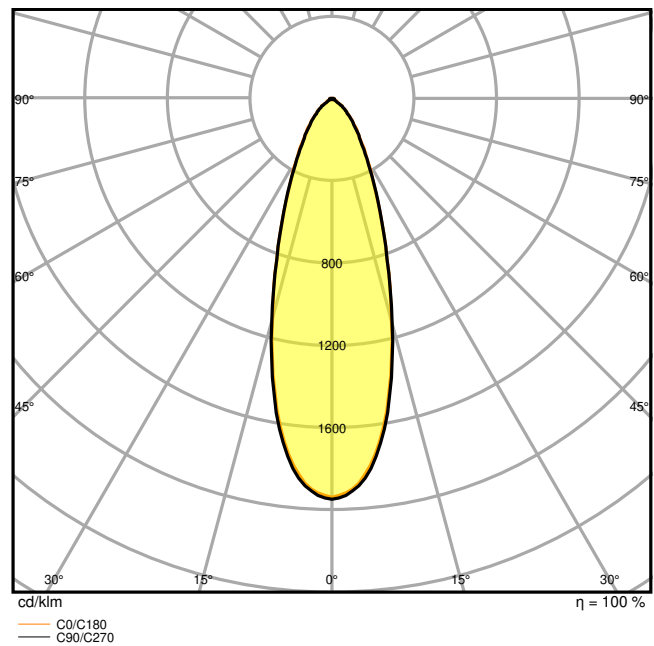
Nominal wattage	8 W / 6 W / 4 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	38.000 mA
Inrush current	2 A
Inrush current time $T_{h50}$	60 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	336
Max. number of luminaires per miniature circuit breaker C10	210
Max. number of luminaires per miniature circuit breaker C16	336
Power factor $\lambda$	0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Electronic control gear (ECG)
Dimming interface	Phase Cut

### Photometrical data

Luminous flux	720 lm / 570 lm / 360 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 °



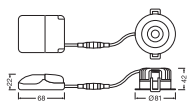
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Dimensions & Weight

Diameter	81.00 mm
Height	42.00 mm
Product weight	250.00 g



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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
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### 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
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	41000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	41000 h
Lifespan L90/B10 at 25 °C	18000 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	180 mA
ECG - Output ripple current	< 5 %
ECG - Length	68.00 mm
ECG - Width	55,0 mm
ECG - Height	22,0 mm

### Certificates & Standards



Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No

Ball shot safe	No
EPD	LEDV-00013-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

**Additional product data**

Added function	MULTI SELECT
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**Accessories Optional**

Product image	Product name	EAN
	CONNECTOR BOX 3POLE L/N/E	4099854013508
	SP HOLDER DN68 H65	4099854013478




**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
- 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	UI SP FP FIX P
 Addon technical information	Dimmerlist SPOT GEN2
 Legal information	Light source Insert SP FP FIX P PS DIM IP65

Documents and certificates		Document name
	Legal information	Legal Insert SP FP
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	CE Declaration of Conformity SPOT DIM
	Declarations of conformity UKCA	UKCA Declaration of Conformity SPOT DIM
	Declarations of conformity UKCA	SP DIM
	Certificates	SP GEN2

Photometric and lighting design files		Document name
	IES file (IES)	SP FP FIX P 8W 940 PS DIM IP65 WT
	LDT file (Eulumdat)	SP FP FIX P 8W 940 PS DIM IP65 WT
	ULD file (DIALux)	SP FP FIX P 8W 940 PS DIM
	ROLF file (RELUX)	SP FP FIX P 8W 940 PS DIM
	UGR file (UGR table)	SP FP FIX P 8W 940 PS DIM IP65 WT
	Light distribution curve type cone	SP FP FIX P 8W 940 PS DIM IP65 WT
	Light distribution curve type polar	SP FP FIX P 8W 940 PS DIM IP65 WT

CAD/BIM files		Document name
	BIM Revit 3D	SP FP FIX G2
	CAD STEP 3D	SP FP FIX

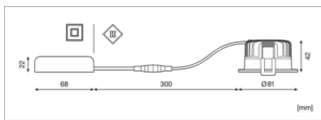
Tender texts		Document name
	Tender documents	SPOT FIRE RATED 8W 940 PS DIM IP65 WT-EN

LOGISTICAL DATA

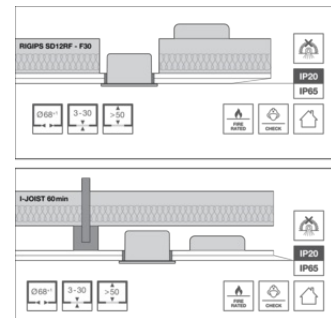
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075799769	Folding box 1	100 mm x 105 mm x 85 mm	420.00 g	0.89 dm <sup>3</sup>
4058075799776	Shipping box 20	562 mm x 230 mm x 195 mm	8770.00 g	25.21 dm <sup>3</sup>

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	ON
	1 2	1 2	1 2	1 2
Current (CC)	85mA	140mA	180mA	140mA
Power	4W	6W	8W	6W
% 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.