PRODUCT DATASHEET
SP FP FIX P 8W 927 PS DIM IP65 BK

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



Areas of application

- Direct replacement for recessed spotlights with halogen lamps
- Fire resistent 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



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



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TECHNICAL DATA

Electrical data

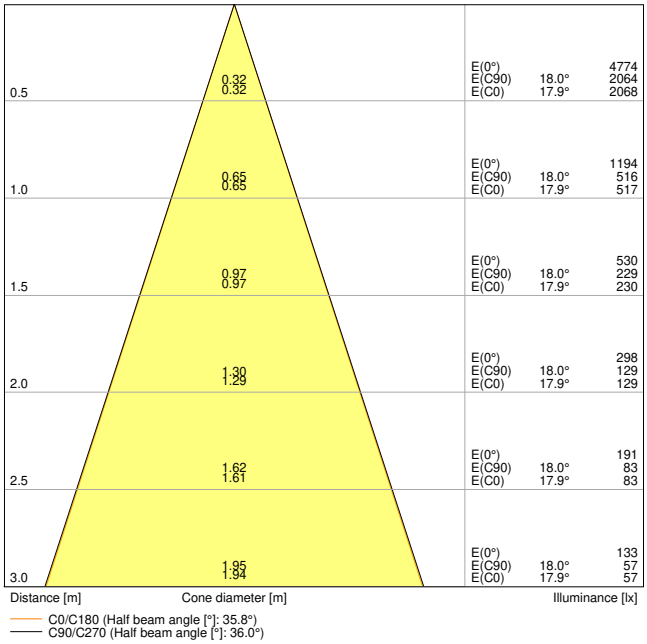
Nominal wattage	8.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	38 mA
Inrush current	2 A
Inrush current time T_{h50}	60 µs
Max. no. of lum. on circuit break. B16 A	336
Max. no. of lum. on circuit break. C10 A	210
Max. no. of lum. on circuit break. C16 A	336
Power factor λ	0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Electronic control gear (ECG)

Photometrical data

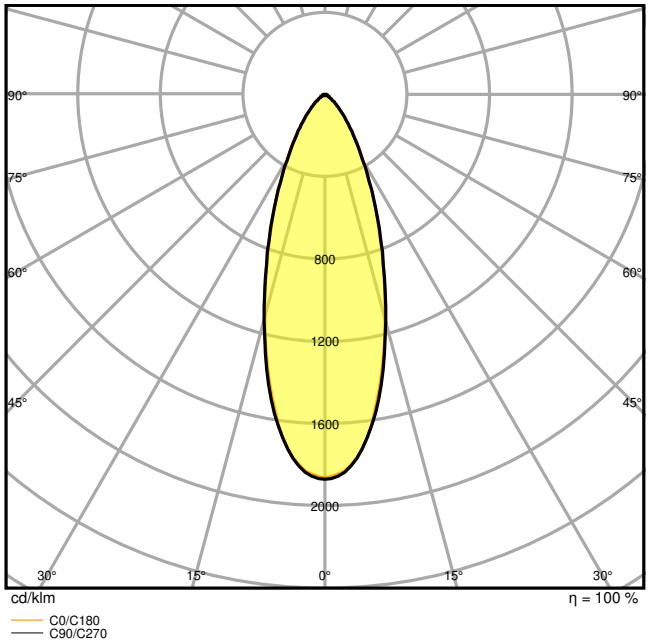
Luminous flux	640 lm
Luminous efficacy	80 lm/W
Color temperature	2700 K
Light color (designation)	Warm white
Color rendering index Ra	90
Standard deviation of color matching	≤3 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	36 °



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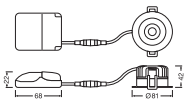
LDC typ cone



LDC typ polar

Dimensions & Weight

Diameter	81.00 mm
Height	42.00 mm
Product weight	240.00 g



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA



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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



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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
PDF	User instruction
PDF	Addon Technical Information
PDF	Addon Technical Information
	Tender documents
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M3D file (3D Model)
	UGR file (UGR table)
PDF	Packaging insert

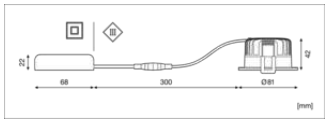
LOGISTICAL DATA

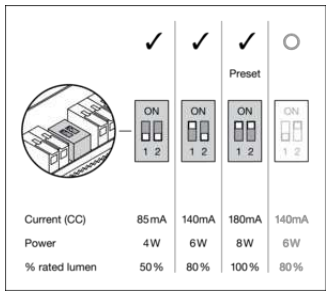
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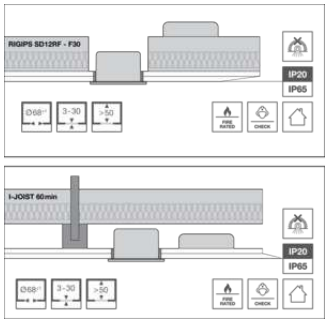
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854000034	Shipping box 20	562 mm x 230 mm x 195 mm	8770.00 g	25.21 dm^3

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

Legal advice

- Installation hints in the current user instruction (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.

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