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 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



© 2024, LEDVANCE GmbH. All rights reserved.

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

© 2024, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

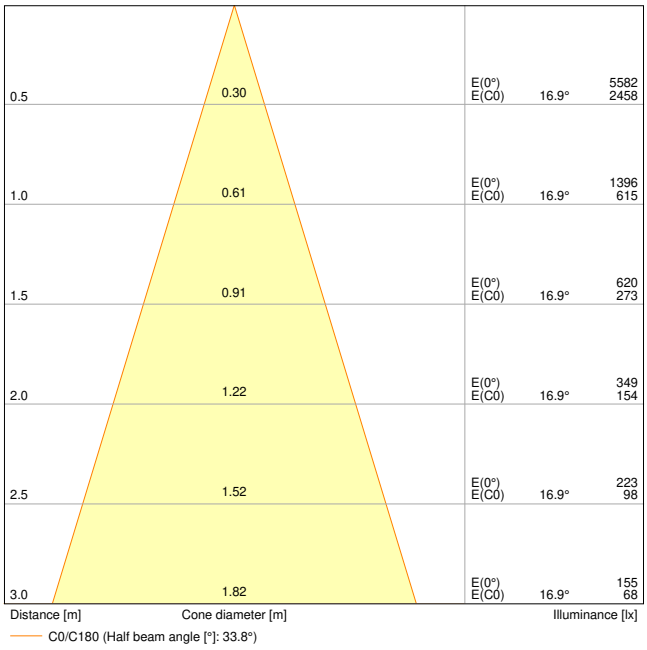
Electrical data

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 µs
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 λ	0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Electronic control gear (ECG)

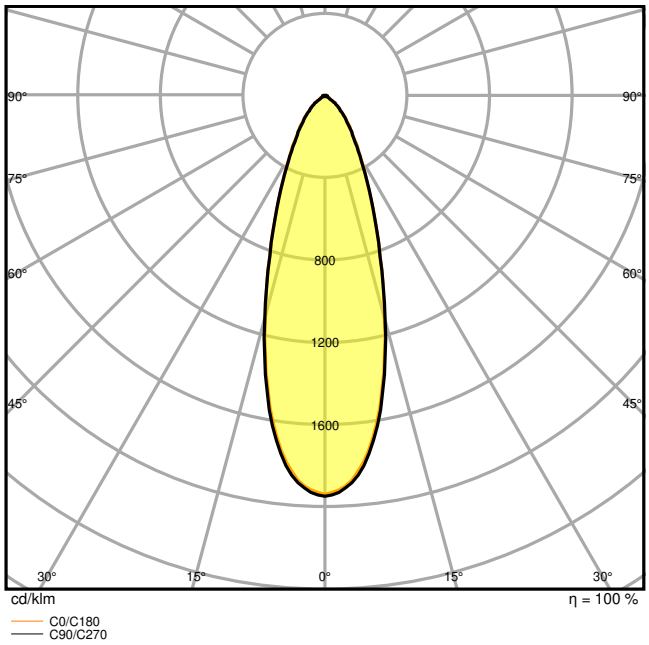
Photometrical data

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	≤3 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	36 °

© 2024, LEDVANCE GmbH. All rights reserved.



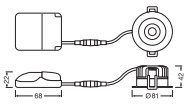
LDC typ cone



LDC typ polar

Dimensions & Weight

Diameter	81.00 mm
Height	42.00 mm
Product weight	250.00 g



Materials & Colors

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

© 2024, LEDVANCE GmbH. All rights reserved.

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 [1)]
Lifespan L80/B10 at 25 °C	41000 h [1)]
Lifespan L90/B10 at 25 °C	18000 h
Number of switching cycles	100000

1) 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

© 2024, LEDVANCE GmbH. All rights reserved.

Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

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

	Documents and certificates
PDF	User instruction
PDF	Addon Technical Information
PDF	Packaging insert
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA
PDF	Certificates

	Photometric and lighting design files
IES	IES file (IES)
LDT	LDT file (Eulumdat)
ULD	ULD file (DIALux)
ROLF	ROLF file (RELUX)

© 2024, LEDVANCE GmbH. All rights reserved.

	Photometric and lighting design files
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar

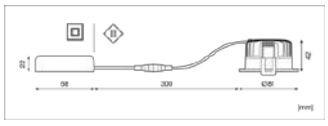
	CAD/BIM files
	BIM_Revit_3D
	CAD_STEP_3D

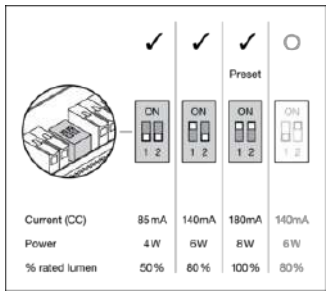
LOGISTICAL DATA

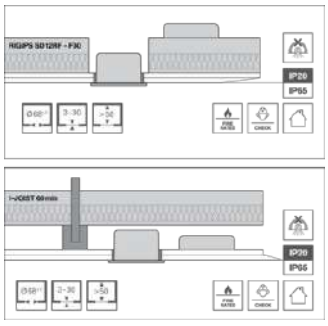
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075799769	Folding box 1	100 mm x 105 mm x 85 mm	420.00 g	0.89 dm³
4058075799776	Shipping box 20	562 mm x 230 mm x 195 mm	8770.00 g	25.21 dm³

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

Legal advice

- Installation hints in the current user instruction (www.ledvance.com) must be observed

© 2024, LEDVANCE GmbH. All rights reserved.

DISCLAIMER

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

© 2024, LEDVANCE GmbH. All rights reserved.