

PRODUCT DATASHEET

SP CBO FPFIX E 5W MC827 DIM IP65 WT

SPOT COMBO FIRE RATED FIX | Fire-rated and coverable spotlight with Multi Color- and dimming function, in fix version



Areas of application

- Direct replacement for recessed spotlights with halogen lamps
- General illumination
- Hotel rooms and corridors
- Bars, restaurants
- Residential interiors

Product benefits

- Color temperature adjustment via switch on the back of the spot
- Coverable with most of the isolation material
- Fire-rated: Designed and tested to meet fire rating standards (in certain fire rated ceilings)

Product features

- Adjustable color temperature (Multi Color): 2700 K, 3000 K, 4000 K
- Type of protection: IP65 (room side)
- Housing material: iron
- Ring material: plastic



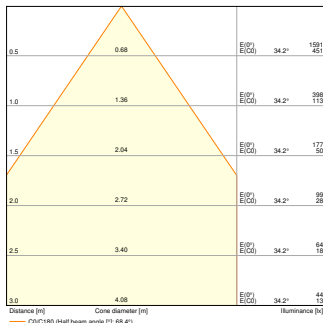
TECHNICAL DATA

Electrical data

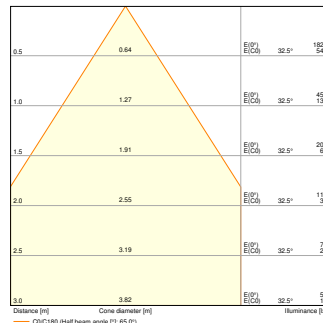
Nominal wattage	5.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	27.000 mA
Inrush current	1.36 A
Inrush current time T_{h50}	200 μ s
Max. number of luminaires per miniature circuit breaker B16	281
Max. number of luminaires per miniature circuit breaker C10	237
Max. number of luminaires per miniature circuit breaker C16	380
Power factor λ	0.70
Total harmonic distortion	<95 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	PHASE CUT

Photometrical data

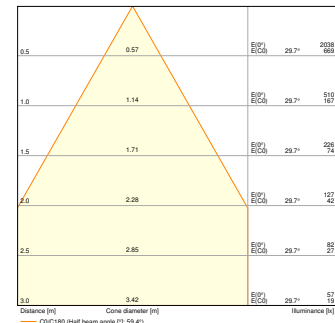
Luminous flux	560 lm / 510 lm
Luminous efficacy	120 lm/W / 110 lm/W
Color temperature	2700 K / 3000 K / 4000 K
Light color (designation)	Warm White / Cool White / Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	60 °
UGR	< 25



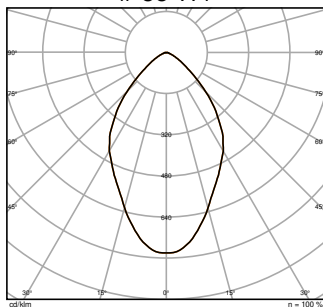
SP CBO FPFIX E 5W MC827 DIM IP65 WT



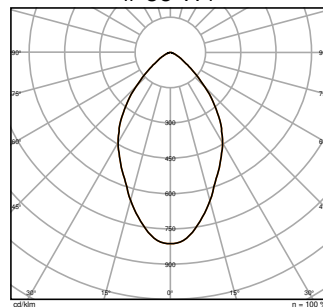
SP CBO FPFIX E 5W MC830 DIM IP65 WT



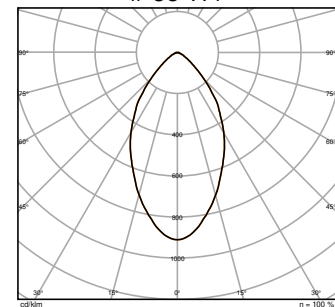
SP CBO FPFIX E 5W MC840 DIM IP65 WT



SP CBO FPFIX E 5W MC827 DIM IP65 WT



SP CBO FPFIX E 5W MC830 DIM IP65 WT



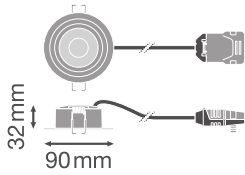
SP CBO FPFIX E 5W MC840 DIM IP65 WT

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
5 W	4000 K	560 lm	120 lm/W
5 W	3000 K	560 lm	120 lm/W
5 W	2700 K	510 lm	110 lm/W

Dimensions & Weight

Diameter	90.00 mm
Height	32.00 mm
Product weight	139.00 g
Cable length	110 mm



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IP65 WT

Materials & Colors

Product color	White
Housing color	White
Body material	Plastic METAL
Cover material	Plastic
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	-20...+80 °C
Type of connection	Plug-In connection
Type of protection	IP65/IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	PHASE CUT
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	70 mm
Mounting depth	32 mm
Adjustable	No
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	40000 h ¹⁾
Lifespan L80/B50 at 25 °C	40000 h
Lifespan L90/B10 at 25 °C	30000 h
Number of switching cycles	25000

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	14.5 mA
ECG - Output ripple current	< 5 %

Certificates & Standards

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




Additional product data



















Product remark	Available from March 2025
Added function	MULTI SELECT

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

DOWNLOAD DATA

	Documents and certificates	Document name
	User instruction / safety instructions	SP CBO FPFIX E 5W MC827 DIM IP65 WTLEDV
	Legal information	SP CBO DIM IP65 WT
	Legal information	Informationstext 18 Abs 4 ElektroG

Documents and certificates		Document name
	Legal information	SP CBO FPFIX E 5W MC827 DIM IP65 WTLEDV
Photometric and lighting design files		Document name
	IES file (IES)	SP CBO FPFIX E 5W MC827 DIM IP65 WT
	IES file (IES)	SP CBO FPFIX E 5W MC830 DIM IP65 WT
	IES file (IES)	SP CBO FPFIX E 5W MC840 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPFIX E 5W MC827 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPFIX E 5W MC830 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPFIX E 5W MC840 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPFIX E 5W MC827 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPFIX E 5W MC830 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPFIX E 5W MC840 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPFIX E 5W MC827 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPFIX E 5W MC830 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPFIX E 5W MC840 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPFIX E 5W MC827 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPFIX E 5W MC830 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPFIX E 5W MC840 DIM IP65 WT
CAD/BIM files		Document name
	BIM Revit 3D	SP CBO FPFIX 5W
	CAD STEP 3D	SP CBO FPFIX 5W

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854459849	Folding box 1	94 mm x 94 mm x 74 mm	172.00 g	0.65 dm ³
4099854459856	Shipping box 45	486 mm x 298 mm x 262 mm	8340.00 g	37.94 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.

References / Links

– For Guarantee see www.ledvance.com/guarantee

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