PRODUCT DATASHEET
SP CBO FPFIX V 6W MS827 DIM IP65 WT

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

VALUE CLASS

Areas of application

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

Product benefits

- Easy color temperature adjustment via switch on the front of the spot
- Highly versatile due to selectable power steps (Multi Lumen) on the front of the luminaire
- Can be covered with most insulating materials
- 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, 6000 K
- Version with Multi Lumen function available: power steps selectable
- Type of protection: IP65 (room side)
- Housing material: iron
- Ring material: plastic

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TECHNICAL DATA

Electrical data

Nominal wattage	6 W / 4 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	34.000 mA
Inrush current	1.36 A
Inrush current time T_{h50}	200 µs
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	650 lm / 610 lm / 580 lm / 460 lm / 440 lm / 420 lm
Luminous efficacy	110 lm/W / 105 lm/W / 100 lm/W
Color temperature	2700 K / 3000 K / 4000 K / 6000 K
Light color (designation)	Warm White / Cool White / Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	60 °

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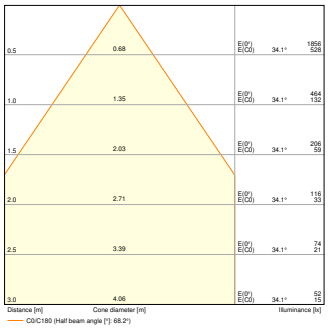

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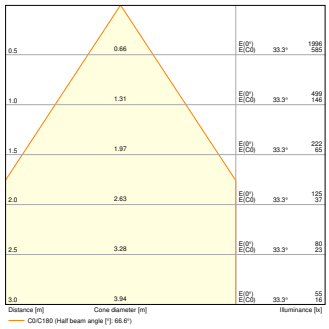
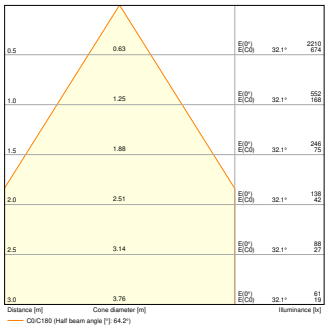
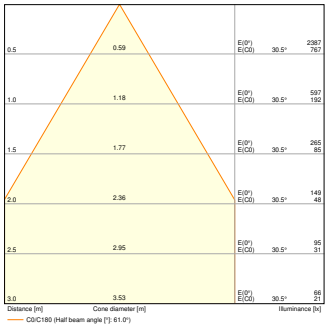


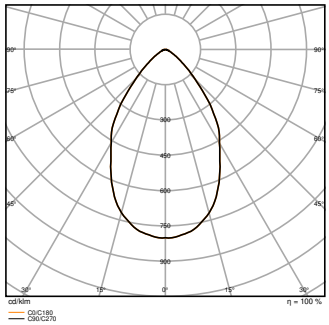
SP CBO FPFIX V 6W MS830 DIM IP65 WT



SP CBO FPFIX V 6W MS840 DIM IP65 WT



SP CBO FPFIX V 6W MS860 DIM IP65 WT



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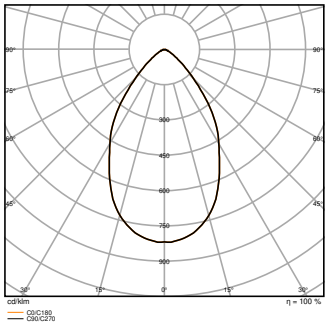

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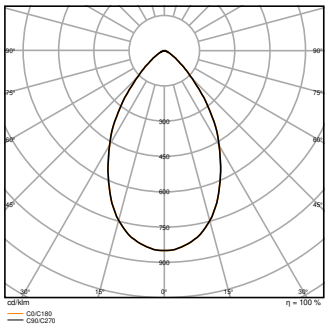

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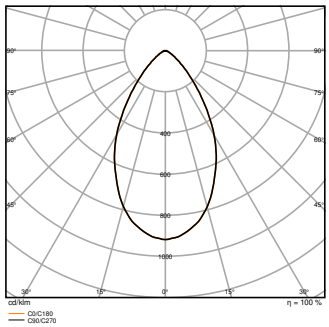

SP CBO FPFIX V 6W MS860 DIM IP65 WT

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
6 W	6000 K	650 lm	110 lm/W
6 W	4000 K	650 lm	110 lm/W
6 W	3000 K	610 lm	105 lm/W
6 W	2700 K	580 lm	100 lm/W
4 W	6000 K	460 lm	110 lm/W
4 W	4000 K	460 lm	110 lm/W

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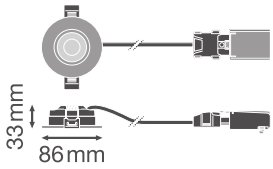
Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
4 W	3000 K	440 lm	105 lm/W
4 W	2700 K	420 lm	100 lm/W

Dimensions & Weight

Diameter	86.00 mm
Height	33.00 mm
Product weight	187.00 g
Cable length	110 mm



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Materials & Colors

Product color	Black
Housing color	Black
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

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Type of dimming	PHASE CUT
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	70 mm
Mounting depth	33 mm
Adjustable	No
With light source	Yes
Replaceable light source	No

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	18 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

Added function	MULTI SELECT

Accessories Optional

Product image	Product name	EAN
	SP CBO FP RING FIX ROUND BK	4099854459993

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Product image	Product name	EAN
	SP CBO FP RING FIX ROUND BN	4099854460050

EQUIPMENT / ACCESSORIES

- Already equipped with white round ring
- Additional cover rings separately available in round shape and in different colors

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
PDF	User instruction / safety instructions	SP CBO FPFIX V 6W MS827 DIM IP65
PDF	Legal information	Safety insert G11221844
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	SP CBO FPFIX V 6W MS827 DIM IP65 WTLEDV
PDF	Declarations of conformity	SP CBO
PDF	Declarations of conformity UKCA	SP CBO

	Photometric and lighting design files	Document name
IES	IES file (IES)	SP CBO FPFIX V 6W MS827 DIM IP65 WT
IES	IES file (IES)	SP CBO FPFIX V 6W MS830 DIM IP65 WT

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	Photometric and lighting design files	Document name
	IES file (IES)	SP CBO FPFIX V 6W MS840 DIM IP65 WT
	IES file (IES)	SP CBO FPFIX V 6W MS860 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPFIX V 6W MS827 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPFIX V 6W MS830 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPFIX V 6W MS840 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPFIX V 6W MS860 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPFIX V 6W MS827 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPFIX V 6W MS830 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPFIX V 6W MS840 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPFIX V 6W MS860 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPFIX V 6W MS827 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPFIX V 6W MS830 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPFIX V 6W MS840 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPFIX V 6W MS860 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPFIX V 6W MS827 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPFIX V 6W MS830 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPFIX V 6W MS840 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPFIX V 6W MS860 DIM IP65 WT

	CAD/BIM files	Document name
	BIM Revit 3D	SP CBO FPFIX 5W
	CAD STEP 3D	SP CBO FPFIX 6W

LOGISTICAL DATA

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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854459894	Folding box 1	110 mm x 110 mm x 72 mm	232.00 g	0.87 dm^3
4099854459900	Shipping box 45	566 mm x 346 mm x 259 mm	11140.00 g	50.72 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

DISCLAIMER

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