PRODUCT DATASHEET
SP CBO FPADJ V 7W MS827 DIM IP65 WT

SPOT COMBO FIRE RATED ADJUST MS | Fire-rated and coverable spotlight with Multi Select- and dimming function, in adjustable 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 CCT and lumen steps (Multi Select) on the driver
- 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: lumen steps selectable
- Type of protection: IP65 (room side)
- Housing material: iron
- Ring material: plastic



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TECHNICAL DATA

Electrical data

Nominal wattage	7 W / 5 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	32.000 mA
Inrush current	0.7 A
Inrush current time T_{h50}	100 µs
Max. number of luminaires per miniature circuit breaker B16	426
Max. number of luminaires per miniature circuit breaker C10	266
Max. number of luminaires per miniature circuit breaker C16	426
Power factor λ	0.90
Total harmonic distortion	< 40 %
Protection class	I
Operating mode	Electronic control gear (ECG)
Dimming interface	PHASE CUT

Photometrical data

Luminous flux	840 lm / 800 lm / 770 lm / 600 lm / 570 lm
Luminous efficacy	120 lm/W / 115 lm/W / 110 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 °
UGR	< 30

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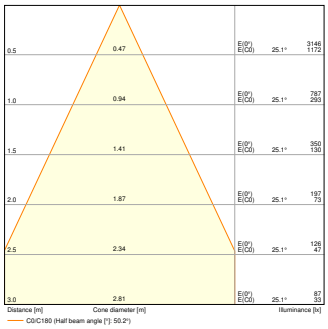
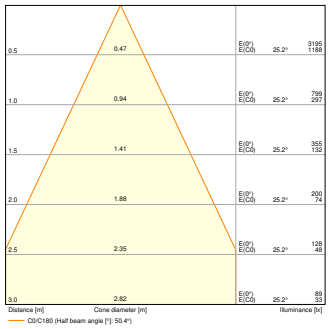
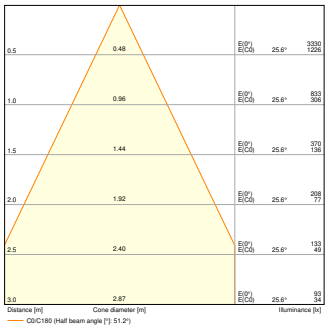


SP CBO FPADJ V 7W MS827 DIM IP65 WT



SP CBO FPADJ V 7W MS830 DIM IP65 WT



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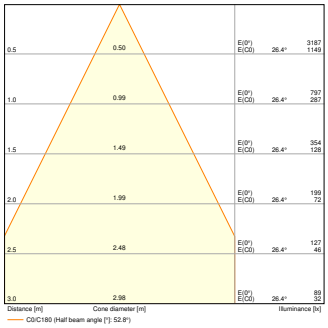

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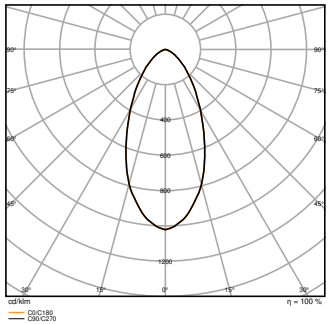

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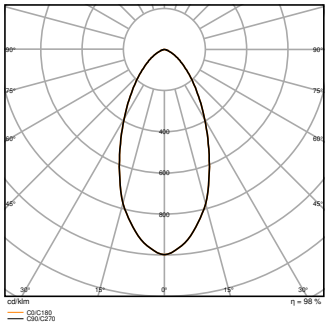

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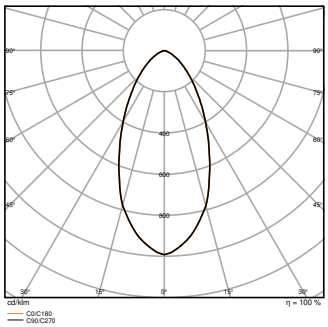

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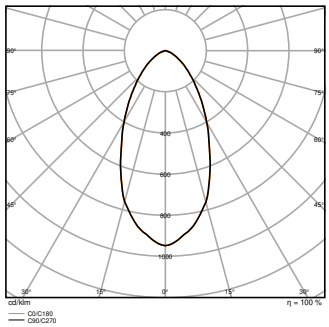

SP CBO FPADJ V 7W MS860 DIM IP65 WT

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
7 W	6000 K	840 lm	120 lm/W
7 W	4000 K	840 lm	120 lm/W
7 W	3000 K	800 lm	115 lm/W
7 W	2700 K	770 lm	110 lm/W
5 W	6000 K	600 lm	120 lm/W
5 W	4000 K	600 lm	120 lm/W

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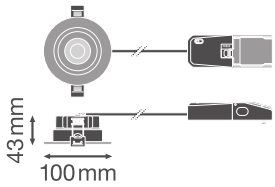
Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
5 W	3000 K	570 lm	115 lm/W
5 W	2700 K	570 lm	115 lm/W

Dimensions & Weight

Diameter	100.00 mm
Height	43.00 mm
Product weight	277.00 g
Cable length	60 mm



SP CBO FPADJ V 7W MS827 DIM IP65 WT

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9003
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	Push terminal
Type of protection	IP65/IP20
Protection class IK (shock resistance)	IK03

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Dimmable	Yes
Type of dimming	PHASE CUT
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	80 mm
Mounting depth	43 mm
Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h [1)]
Lifespan L80/B10 at 25 °C	50000 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	85 mA
ECG - Output ripple current	< 5 %
ECG - Length	124 mm
ECG - Width	47 mm
ECG - Height	27.3 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-00048-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI SELECT

Accessories Optional

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Product image	Product name	EAN
	SP CBO FP RING ADJ ROUND BK	4099854460142
	SP CBO FP RING ADJ ROUND BN	4099854460173

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 FPADJ V 7W MS827 DIM IP65
PDF	Legal information	Safety insert G11221844
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	SP CBO FPADJ V 7W MS827 DIM IP65 WTLEDV
PDF	Declarations of conformity	SP CBO
PDF	Declarations of conformity UKCA	SP CBO
PDF	EPD	EPD EN SPOT COMBO FIREPROOF

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	Photometric and lighting design files	Document name
	IES file (IES)	SP CBO FPADJ V 7W MS827 DIM IP65 WT
	IES file (IES)	SP CBO FPADJ V 7W MS830 DIM IP65 WT
	IES file (IES)	SP CBO FPADJ V 7W MS840 DIM IP65 WT
	IES file (IES)	SP CBO FPADJ V 7W MS860 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPADJ V 7W MS827 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPADJ V 7W MS830 DIM IP65 WT
	LDT file (Eulumdat)	SP CBO FPADJ V 7W MS860 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPADJ V 7W MS827 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPADJ V 7W MS830 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPADJ V 7W MS840 DIM IP65 WT
	UGR file (UGR table)	SP CBO FPADJ V 7W MS860 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPADJ V 7W MS827 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPADJ V 7W MS830 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPADJ V 7W MS840 DIM IP65 WT
	Light distribution curve type cone	SP CBO FPADJ V 7W MS860 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPADJ V 7W MS827 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPADJ V 7W MS830 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPADJ V 7W MS840 DIM IP65 WT
	Light distribution curve type polar	SP CBO FPADJ V 7W MS860 DIM IP65 WT

	CAD/BIM files	Document name
	BIM Revit 3D	SP CBO FPFIX 5W
	CAD STEP 3D	SP CBO FPADJ 7W

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	Tender texts	Document name
	Tender documents	SPOT COMBO FIRE RATED ADJUST MS FPADJ V 7W MS827 DIM IP65 WT-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854459948	Folding box 1	117 mm x 115 mm x 71 mm	327.00 g	0.96 dm^3
4099854459955	Shipping box 30	590 mm x 246 mm x 242 mm	10510.00 g	35.12 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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