PRODUCT DATASHEET
SP CBO ADJ DA V 6W ML 9273040 IP65 WT

SPOT COMBO DALI IP65 | Coverable spot with IP65, CCT, Multi Lumen and dimming function in DALI version



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
- Multi Lumen: Brightness adjustment via a switch on the front of the spot
- Can be covered with most insulating materials

Product features

- Color temperature switch (CCT): 2700 K, 3000 K, 4000 K
- Type of protection: IP65
- Housing material: polycarbonate (PC)
- Ring colors in white matt or anodized aluminum
- Can be controlled with DALI system
- DALI-2 certified
- Dimmable (with many common dimmers)

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TECHNICAL DATA

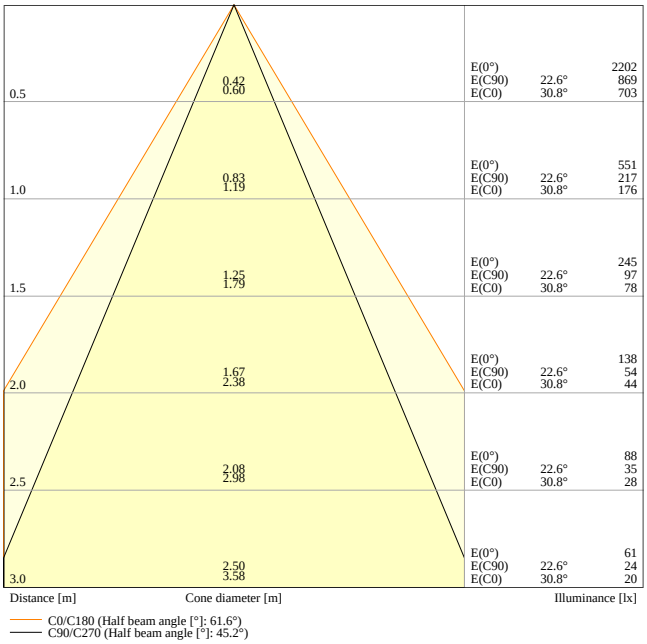
Electrical data

Nominal wattage	6 W / 4.3 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	36…30 mA
Inrush current	5.13 A
Inrush current time T_{h50}	26 µs
Max. number of luminaires per miniature circuit breaker B16	64
Max. number of luminaires per miniature circuit breaker C10	40
Max. number of luminaires per miniature circuit breaker C16	64
Power factor λ	≥0.5
Maximum total harmonic distortion	< 35 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2 / IoT / Push-DIM

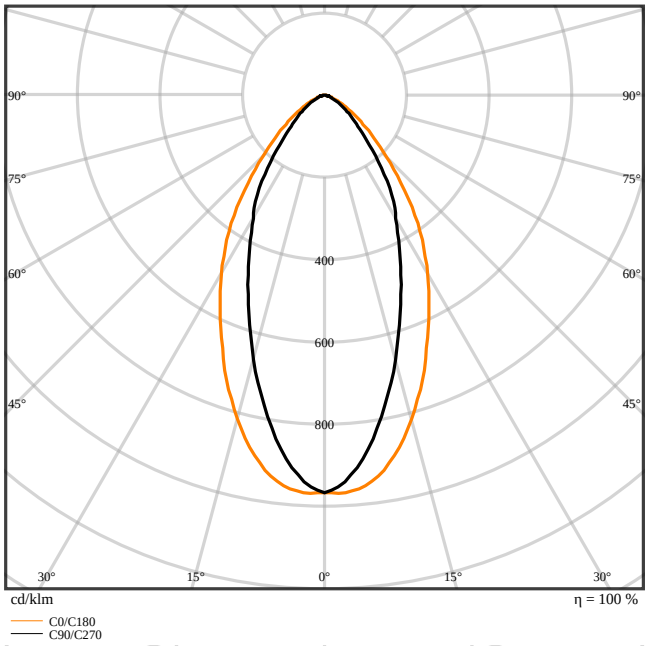
Photometrical data

Luminous flux	570 lm / 540 lm / 410 lm / 400 lm
Luminous efficacy	95 lm/W / 90 lm/W
Color temperature	2700 K / 3000 K / 4000 K
Reference control setting of contained light source (Kelvin)	2700 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 90
Standard deviation of color matching	6 sdcm
Luminous intensity	530 cd
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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SP CBO ADJ DA V 6W ML 940 IP65 WT LEDV



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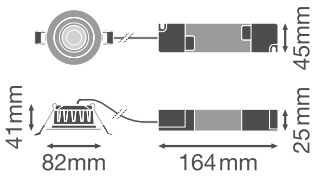
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
6 W	2700 K	540 lm	90 lm/W
6 W	3000 K	570 lm	95 lm/W
6 W	4000 K	570 lm	95 lm/W
4.3 W	2700 K	400 lm	90 lm/W
4.3 W	3000 K	410 lm	95 lm/W
4.3 W	4000 K	410 lm	95 lm/W

Dimensions & Weight

Diameter	82.00 mm
Height	41.00 mm
Product weight	279.00 g
Cable length	600 mm

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SP CBOADJ DA V

Materials & Colors

Product color	White
Housing color	Black
RAL Color (most similar)	RAL 9003
Body material	Aluminum|Polycarbonate (PC)
Cover material	Plastic
Light emitting surface 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
Dimmable	Yes
Type of dimming	DALI-2
Dimming range	1…100 %
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	68 mm
Mounting depth	38 mm

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Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	No

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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	18000 h 1)
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	150 mA
Output ripple current (100 Hz)	≤ 10 %
ECG - Length	164 mm
ECG - Width	45,0 mm
ECG - Height	25,0 mm

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00082-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI LUMEN / MULTI COLOR / VIVARES

Accessories Optional

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Product image	Product name	EAN
	SP CBO IP65/5X RING FIX ROUND WT	4099854736575
	SP CBO IP65/5X RING FIX ROUND BN	4099854736612
	SP CBO IP65/5X RING FIX ROUND BK	4099854736599
	SP CBO IP65/5X RING FIX SQUARE WT	4099854736674
	SP CBO IP65/5X RING FIX SQUARE BN	4099854736636
	SP CBO IP65/5X RING FIX SQUARE BK	4099854736704
	SP CBO IP65/5X RING ADJ ROUND BN	4099854736742
	SP CBO IP65/5X RING ADJ ROUND BK	4099854736728
	SP CBO IP65/5X RING ADJ SQUARE WT	4099854736780
	SP CBO IP65/5X RING ADJ SQUARE BN	4099854736766
	SP CBO IP65/5X RING ADJ SQUARE BK	4099854736803

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Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607

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Product image	Product name	EAN
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905

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Product image	Product name	EAN
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

EQUIPMENT / ACCESSORIES

- Already equipped with white round ring
- Additional cover rings separately available in round and square shape and in different colors
- Security rope for luminaire included

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- 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.
- The luminaires are not suitable for covering with thermally insulated material.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11265176 SPOT COMBO
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	G11273216 Light Source Insert SPOT COMBO
PDF	Legal information	G11182880 Legal Insert SPOT COMBO
PDF	Legal information	Safety Insert G11262697

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	Documents and certificates	Document name
PDF	Declarations of conformity	SP CBOADJ LUM
PDF	Declarations of conformity UKCA	SP CBOADJ LUM
PDF	EPD	EPD EN SPOT COMBO GEN 3 DALI IP65

	Photometric and lighting design files	Document name
IES	IES file (IES)	SP CBO ADJ DA V 6W ML 940 IP65 WT LEDV
LDT	LDT file (Eulumdat)	SP CBO ADJ DA V 6W ML 940 IP65 WT LEDV
ULD	ULD file (DIALux)	1 SP CBOADJ DA V 6W ML 9273040 IP65WT
ROLF	ROLF file (RELUX)	SP CBOADJ DA V 6W ML 9273040 IP65WT
	UGR file (UGR table)	SP CBO ADJ DA V 6W ML 940 IP65 WT LEDV
	Light distribution curve type cone	SP CBO ADJ DA V 6W ML 940 IP65 WT LEDV
	Light distribution curve type polar	SP CBO ADJ DA V 6W ML 940 IP65 WT LEDV

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Spot Combo G3
STEP	CAD STEP 3D	SP CBO ADJ G3

	Tender texts	Document name
TXT	Tender documents	SPOT COMBO DALI IP65 ADJ DA V 6W ML 9273040 IP65 WT-en

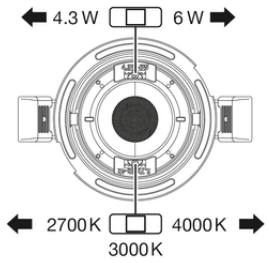
LOGISTICAL DATA

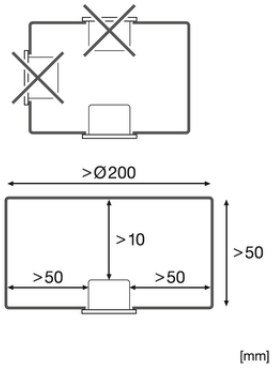
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854736551	Folding box 1	177 mm x 100 mm x 65 mm	323.00 g	1.15 dm^3
4099854736568	Shipping box 20	530 mm x 378 mm x 160 mm	7226.00 g	32.05 dm^3

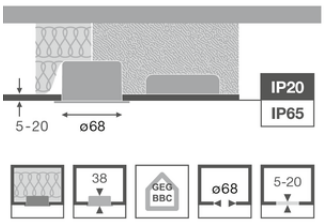
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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION







References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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