PRODUCT DATASHEET
SP ADJ DA P 8W ML 940 IP20 WT

SPOT ADJUST DALI | Recessed mounted spotlight for indoor use, adjustable with LEDVANCE DALI-2 driver included



Areas of application

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

Product benefits

- Energy savings of up to 90 % compared to halogen lamp spotlights
- Multi Lumen: Brightness adjustment via micro 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

Product features

- Available for ceiling cut-out diameters of 68 mm
- Adjustable swivel angle: ±25°
- Color rendering index R_a: 90
- Beam angle: 36°
- Die-cast aluminum housing
- Silicon-pad protected springs
- LEDVANCE DALI-2 driver included
- Through-wiring possible

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TECHNICAL DATA

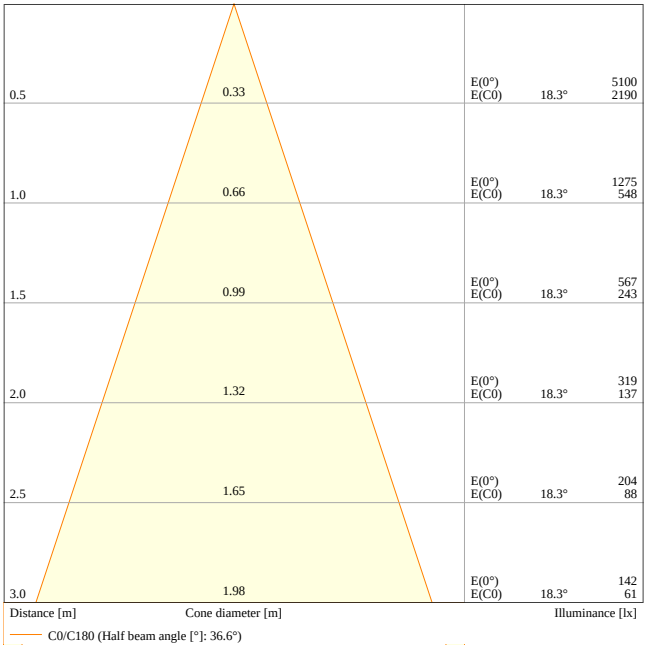
Electrical data

Nominal wattage	8 W / 6.5 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	200 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	≥0.7
Maximum total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2 / IoT

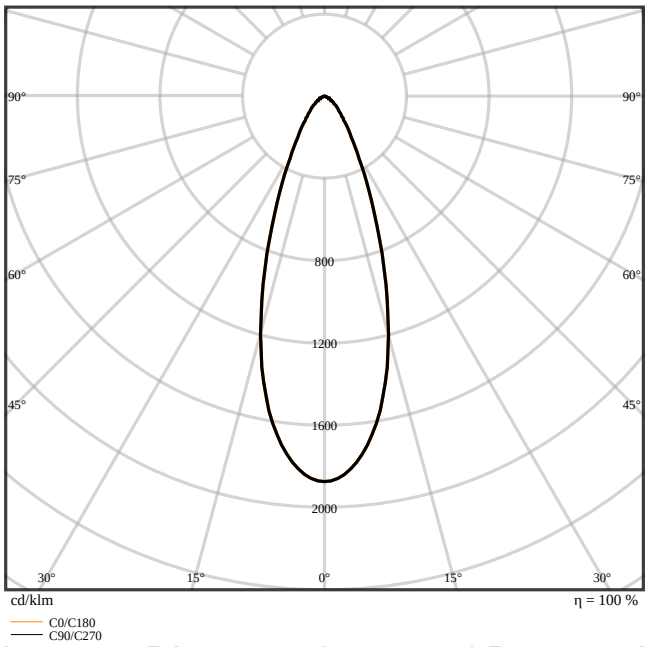
Photometrical data

Luminous flux	680 lm / 553 lm
Luminous efficacy	85 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	90
Standard deviation of color matching	≤3 sdcm
Luminous intensity	1330 cd
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	36 °

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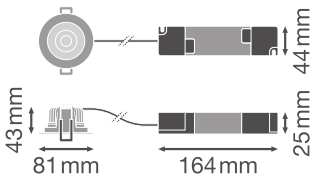
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
8 W	4000 K	680 lm	85 lm/W
6.5 W	4000 K	553 lm	85 lm/W

Dimensions & Weight

Diameter	81.00 mm
Height	43.00 mm
Product weight	289.00 g
Cable length	300 mm

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SP ADJ DA P 8W ML 930
IP20 WT LEDV

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9016
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA
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	IP20/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

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Mounting depth	50 mm
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	41000 h 1)
Lifespan L80/B50 at 25 °C	41000 h
Lifespan L90/B10 at 25 °C	18000 h 1)
Number of switching cycles	30000

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	200 mA / 150 mA
Output ripple current (100 Hz)	< 10 %
ECG - Length	164 mm
ECG - Width	44 mm
ECG - Height	25 mm
Recommended control gear	DR DALI-P-30/220-240/700

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
Type of emergency operation test	None
Wattage in emergency operation mode	2.5 W
Luminous flux in emergency operation mode	130 lm

Certificates & Standards

Standards	CE / UKCA / EAC / ENEC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00085-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

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Additional product data

Added function	MULTI LUMEN / VIVARES

Accessories Optional

Product image	Product name	EAN
	SP RING D100 WT	4099854136511
	SP RING D133 WT	4099854013355
	SP RING D180 WT	4099854013416
	SPOT FRAME 100X100 1X D68 WT	4099854459863
	SPOT FRAME 100X200 2X D68 WT	4099854460029
	SPOT FRAME 100X300 3X D68 WT	4099854460203

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

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Product image	Product name	EAN
	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
	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

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

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Product image	Product name	EAN
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

EQUIPMENT / ACCESSORIES

- External control gear included with dip-switches to select power during installation
- Refurbishment rings are available as accessory

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.
- 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	G11265191 SPOT ADJUSTABLE DALI
PDF	Legal information	Safety Insert G11205013
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	G11275808 LSI Spot Adjust
PDF	Legal information	Legal insert G11243005
PDF	Declarations of conformity	SP ADJ DA P 8W ML
PDF	Declarations of conformity UKCA	SP ADJ DA P 8W ML
PDF	EPD	EPD EN SPOT ADJUST GEN 2 DALI

	Photometric and lighting design files	Document name
IES	IES file (IES)	SP ADJ DA P 8W ML 940 IP20 WT
LDT	LDT file (Eulumdat)	SP ADJ DA P 8W ML 940 IP20 WT

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	Photometric and lighting design files	Document name
	ULD file (DIALux)	SP ADJ DA P 8W ML 940 IP20 WT
	ROLF file (RELUX)	SP ADJ DA P 8W ML 940 IP20 WT
	UGR file (UGR table)	SP ADJ DA P 8W ML 940 IP20 WT
	Light distribution curve type cone	SP ADJ DA P 8W ML 940 IP20 WT
	Light distribution curve type polar	SP ADJ DA P 8W ML 940 IP20 WT

	CAD/BIM files	Document name
	BIM Revit 3D	SP ADJ G2
	CAD STEP 3D	SP ADJ

	Tender texts	Document name
	Tender documents	SPOT ADJUST DALI 8W ML 940 IP20 WT-en

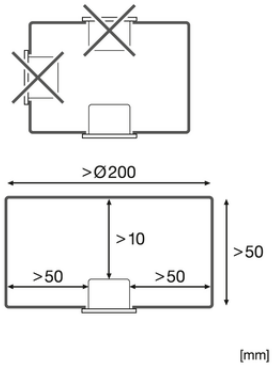
LOGISTICAL DATA

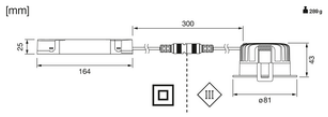
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854746468	Folding box 1	125 mm x 175 mm x 60 mm	558.00 g	1.31 dm^3
4099854746475	Shipping box 20	395 mm x 365 mm x 265 mm	11759.00 g	38.21 dm^3

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.

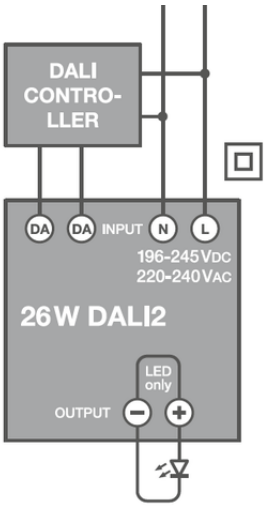
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ADDITIONAL CATALOG INFORMATION









References / Links

– For Guarantee see www.ledvance.com/guarantee

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