PRODUCT DATASHEET
SPOT SQUARE DK ADJ 8 W 3000 K BK

SPOT SQUARE DARKLIGHT ADJUST | Recessed mounted spotlight, adjustable, square shape



PERFOR-
MANCE
CLASS

Areas of application

- Replacement of halogen lamp spotlights
- General accent lighting
- Shops, boutiques
- Hotel rooms
- Bars, restaurants
- Galleries, museums
- Residential interiors

Product benefits

- Cut off angle for comfortable indoor lighting
- Die-cast aluminum housing for improved heat dissipation
- Energy savings of up to 90 % compared to halogen lamp spotlights
- External driver for extended flexibility (compatible with selected DALI drivers)
- Easy replacement of external driver thanks to plug with bayonet lock
- Design matches the LEDVANCE Spot-, Down- and Tracklight luminaire family
- 5 years guarantee

Product features

- Adjustable tilt angle: +/- 20°
- Initial color consistency: ≤ 4 SDCM
- Lens material: PMMA

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TECHNICAL DATA

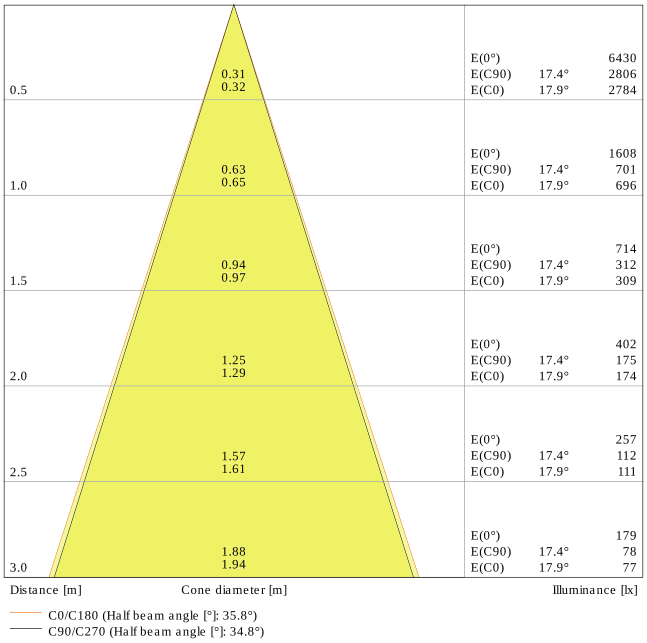
Electrical data

Nominal wattage	8.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	65 mA
Inrush current	23 A
Inrush current time T_{h50}	3.4 µs
Max. number of luminaires per miniature circuit breaker B16	32
Max. number of luminaires per miniature circuit breaker C10	26
Max. number of luminaires per miniature circuit breaker C16	41
Power factor λ	> 0.5
Maximum total harmonic distortion	< 15 %
Protection class	II
Operating mode	External LED driver

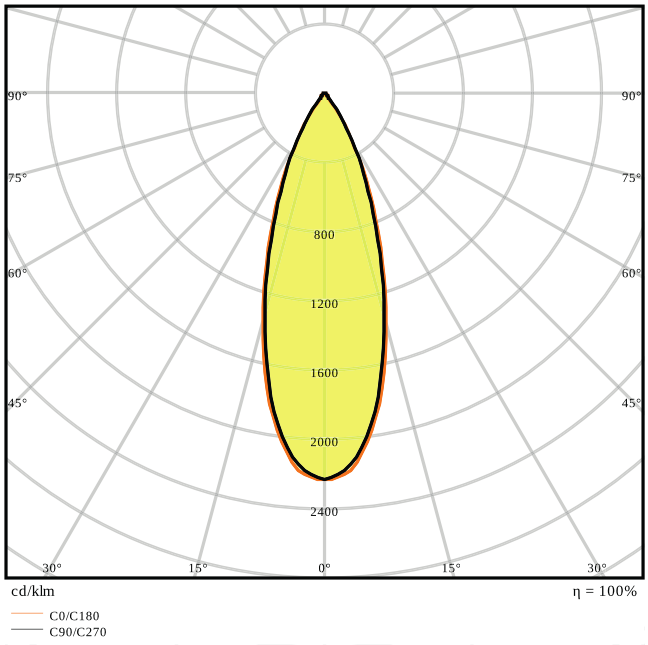
Photometrical data

Luminous flux	650 lm
Luminous efficacy	90 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	≤4 sdcm
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	36 °

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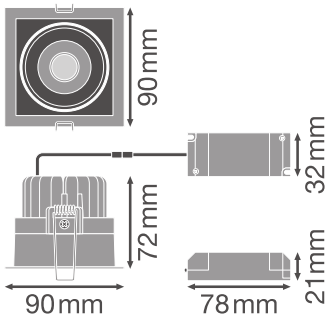
SP SQUARE DK ADJ 8W3000K FL BK



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Dimensions & Weight

Length	90.00 mm
Width	90.00 mm
Height	72.00 mm
Product weight	230.00 g



SP SQUARE DK ADJ 8W/ 3000K FL BK

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Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9003
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C

Application & Mounting

Ambient temperature range	-10…+40 °C
Type of connection	Screw terminal, 2-Pole (L,N)
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting length	83 mm
Mounting width	83 mm
Mounting depth	90 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	45000 h [1)]
Lifespan L80/B50 at 25 °C	45000 h
Lifespan L90/B10 at 25 °C	30000 h [1)]
Number of switching cycles	50000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

ECG - Length	78 mm
ECG - Width	32 mm
ECG - Height	21 mm

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Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Driver included

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.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI Spot Square DK
PDF	Legal information	LSI SP SQUARE DK ADJ
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11207793
PDF	Legal information	Legal insert G11262490 MW T
PDF	Declarations of conformity	Attestation-of-Conformity SP SQ and Multi TÜV
PDF	Declarations of conformity	EU Declaration of Conformity Spot Square 8W LEDV
PDF	Declarations of conformity UKCA	SP MULTI FL / SP SQUARE DK ADJ FL

	Photometric and lighting design files	Document name
IES	IES file (IES)	SP SQUARE DK ADJ 8W3000K FL BK
LDT	LDT file (Eulumdat)	SP SQUARE DK ADJ 8W3000K FL BK
ULD	ULD file (DIALux)	SPOTSQUAREDARKLIGHTADJUST8W3000KBK

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	Photometric and lighting design files	Document name
	ROLF file (RELUX)	SP SQUARE DK ADJ
	UGR file (UGR table)	SP SQUARE DK ADJ 8W3000K FL BK
	Light distribution curve type cone	SP SQUARE DK ADJ 8W3000K FL BK
	Light distribution curve type polar	SP SQUARE DK ADJ 8W3000K FL BK

	CAD/BIM files	Document name
	BIM Revit 3D	SPOT SQUARE DARKLIGHT ADJUST
	CAD STEP 3D	SP SQUARE DK ADJ

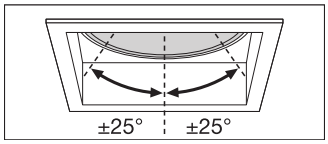
	Tender texts	Document name
	Tender documents	SPOT SQUARE DARKLIGHT ADJUST 8 W 3000 K BK-EN

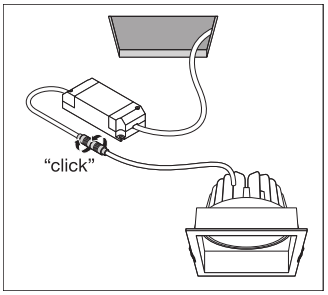
LOGISTICAL DATA

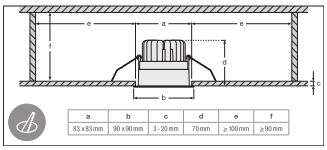
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075114067	Folding box 1	105 mm x 110 mm x 115 mm	265.00 g	1.33 dm^3
4058075114074	Shipping box 6	345 mm x 115 mm x 245 mm	1795.00 g	9.72 dm^3

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.

ADDITIONAL CATALOG INFORMATION







References / Links

– For Guarantee see www.ledvance.com/guarantee

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DISCLAIMER

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

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