# PRODUCT DATASHEET
# SPOT SQUARE DK ADJ 8 W 3000 K WT

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

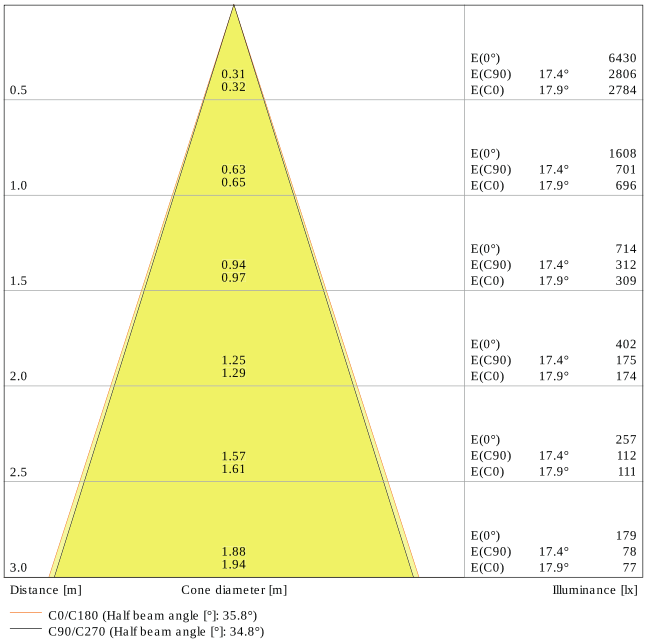
## Electrical data

| | |
|---|---|
| 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 |

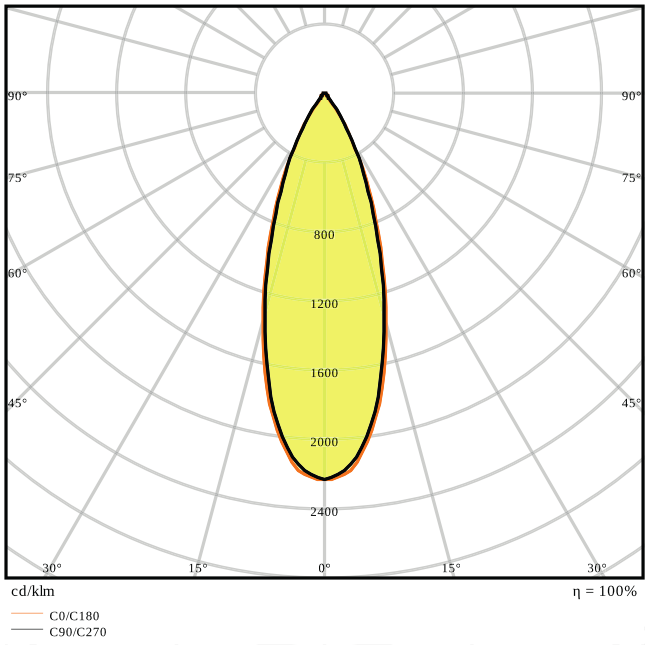
## Photometrical data

| | |
|---|---|
| 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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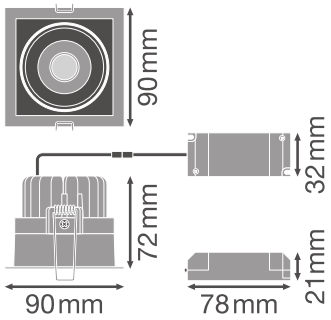

SP SQUARE DK ADJ 8W3000K FL WT




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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 WT


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## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| 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 | EU Declaration of Conformity Spot Square 8W LEDV |
| PDF | Declarations of conformity | Attestation-of-Conformity SP SQ and Multi TÜV |
| 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 WT |
| LDT | LDT file (Eulumdat) | SP SQUARE DK ADJ 8W3000K FL WT |
| ULD | ULD file (DIALux) | SPOTSQUAREDARKLIGHTADJUST8W3000KWT |


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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 WT |
| | Light distribution curve type cone | SP SQUARE DK ADJ 8W3000K FL WT |
| | Light distribution curve type polar | SP SQUARE DK ADJ 8W3000K FL WT |

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

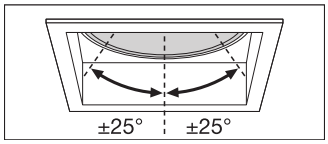
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | SPOT SQUARE DARKLIGHT ADJUST 8 W 3000 K WT-EN |

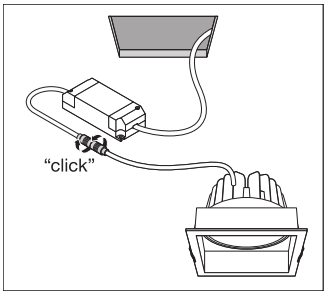
## LOGISTICAL DATA

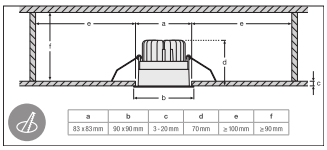
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075114043 | Folding box<br>1 | 105 mm x 110 mm x 115 mm | 265.00 g | 1.33 $dm^3$ |
| 4058075114050 | Shipping box<br>6 | 345 mm x 115 mm x 245 mm | 1795.00 g | 9.72 $dm^3$ |

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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