

# 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
- High luminous efficacy
- 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:  $\leq 4$  SDCM
- Lens material: PMMA

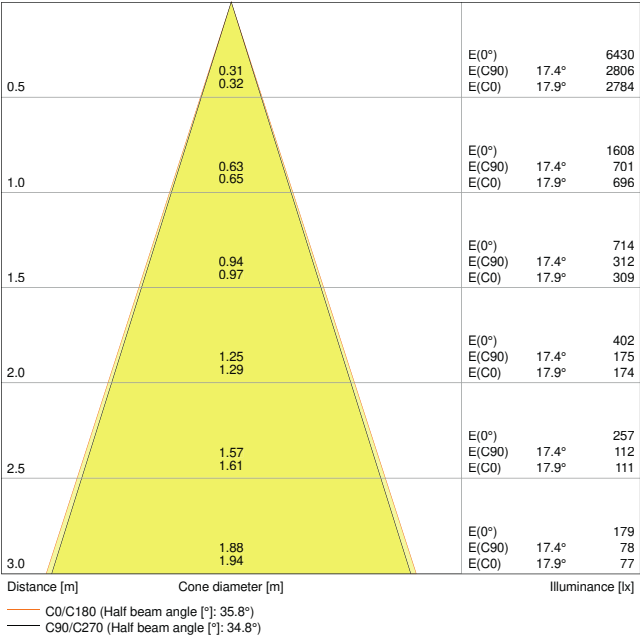
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**TECHNICAL DATA****Electrical data**

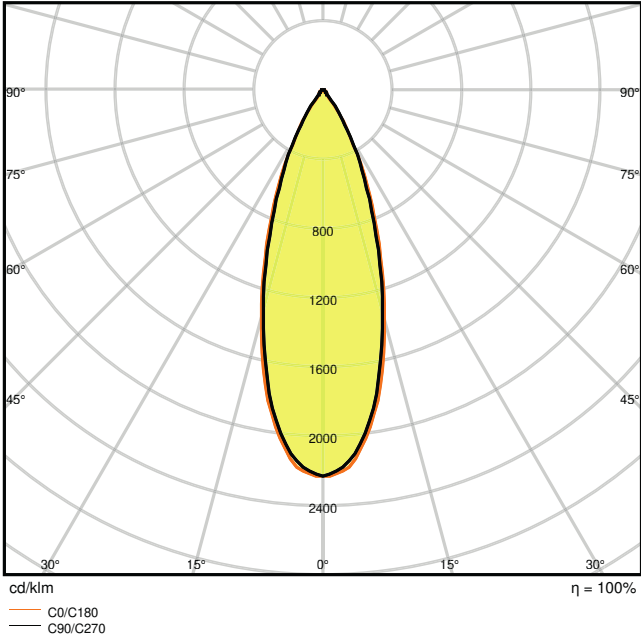
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 8.00 W              |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 65 mA               |
| Inrush current                                              | 23 A                |
| Inrush current time $T_{h50}$                               | < 3.4 $\mu$ s       |
| 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 $\lambda$                                      | > 0.5               |
| 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         | $\leq 4$ sdc <sub>m</sub> |
| 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 °                      |



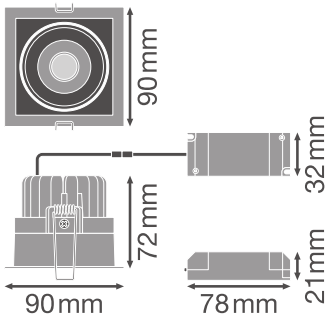
LDC typ cone



LDC typ polar

Dimensions & Weight

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



Materials & Colors

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Product color                              | White                         |
| Housing color                              | White                         |
| 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                        |
| Adjustable                             | Yes                          |
| LED module replaceable                 | Not replaceable              |
| With light source                      | Yes                          |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 45000 h <sup>1)</sup> |
| Lifespan L90/B10 at 25 °C  | 30000 h               |
| Number of switching cycles | 50000                 |

<sup>1)</sup> 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 |

### Certificates & Standards

|           |                            |
|-----------|----------------------------|
| Standards | CE / TÜV SÜD / RoHS / ENEC |
|-----------|----------------------------|

|                                                      |    |
|------------------------------------------------------|----|
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe                                       | No |

## EQUIPMENT / ACCESSORIES

– Driver included

## DOWNLOAD DATA

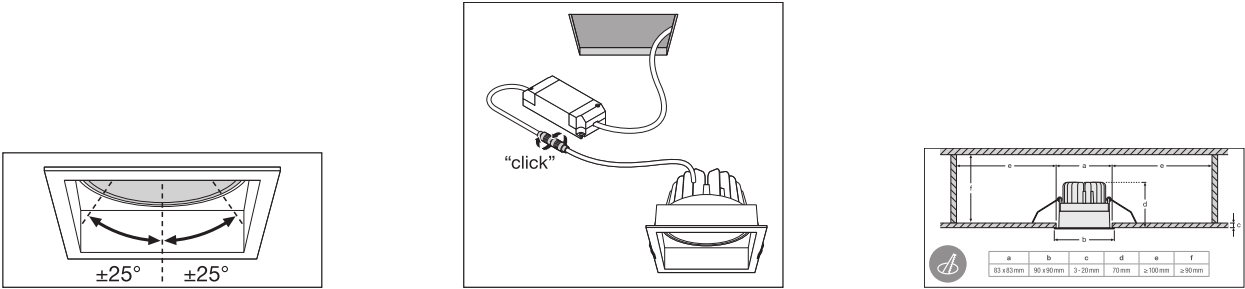
| Documents and certificates                                                         |                                 |
|------------------------------------------------------------------------------------|---------------------------------|
|    | User instruction                |
|    | Addon Technical Information     |
|    | On-Pack-Info                    |
|    | Declarations Of Conformity CE   |
|   | Declarations Of Conformity UKCA |
| Photometric and lighting design files                                              |                                 |
|  | IES file (IES)                  |
|  | LDT file (Eulumdat)             |
|  | ULD file (DIALux)               |
|  | ROLF file (RELUX)               |
|  | UGR file (UGR table)            |
|  | LDC typ cone                    |
|  | LDC typ polar                   |
| Tender texts                                                                       |                                 |
|  | Tender documents                |

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 <sup>3</sup> |
| 4058075114050 | Shipping box<br>6            | 345 mm x 115 mm x 245 mm             | 1795.00 g    | 9.72 dm <sup>3</sup> |

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](http://www.ledvance.com/guarantee)

DISCLAIMER

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