

# PRODUCT DATASHEET

## SPOT DK FIX 7 W 3000 K IP44/IP20 WT

SPOT DARKLIGHT | Recessed mounted spotlight, round shape, Darklight with cut-off



PERFOR-  
MANCE  
CLASS

### Areas of application

- Replacement of conventional 50 W halogen spotlights
- Hotel rooms
- Bars, restaurants
- Bathrooms
- Shelf and undercabinet lighting
- Galleries, museums
- General illumination

### Product benefits

- Design matches the LEDVANCE DOWNLIGHT luminaire family
- Energy savings of up to 90 % compared to halogen lamp spotlights
- Functional and minimalistic design
- Easy installation with fast connection
- External driver for extended flexibility (compatible with selected dim. drivers)
- Designed for extra performance
- 70° cut off angle - perfect for shelf lighting
- 5 years guarantee

### Product features

- Luminous efficacy: 85 lm/W
- Luminous flux: 580 lm



- Diameter of required ceiling cut-out: 63 mm
- Color temperature: 3,000 K
- Initial color consistency:  $\leq 4$  SDCM
- Beam angle: 36°
- Type of protection, front side: IP44

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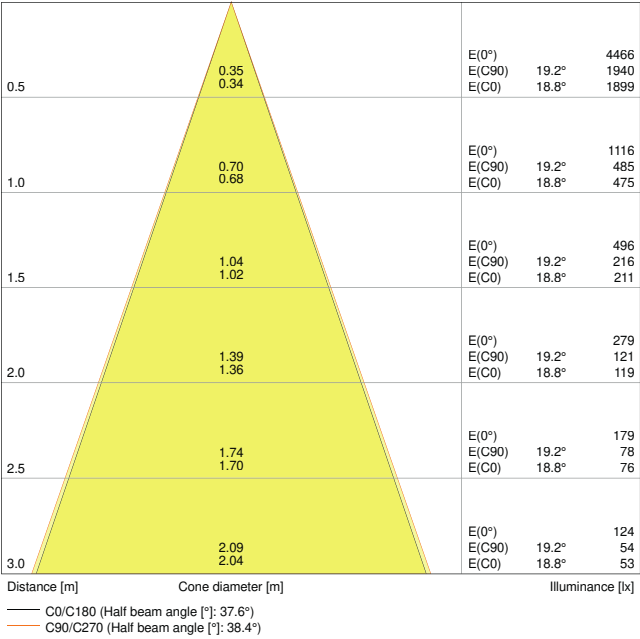
## TECHNICAL DATA

### Electrical data

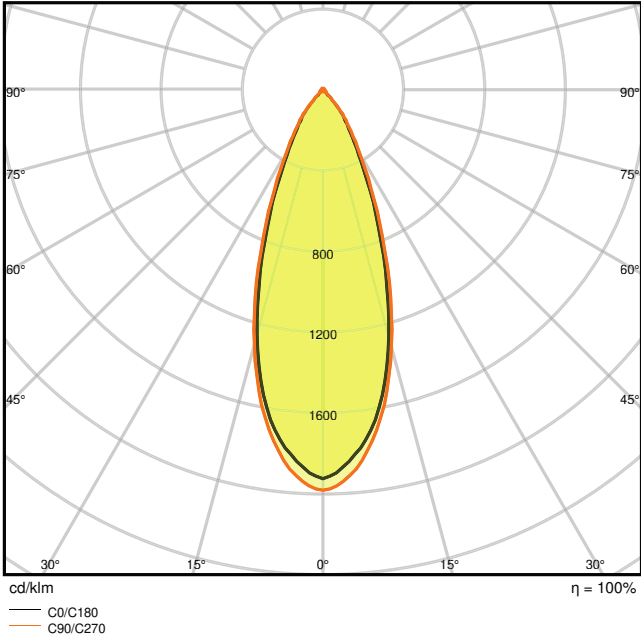
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 7.00 W                        |
| Nominal voltage                                             | 220...240 V                   |
| Mains frequency                                             | 50...60 Hz                    |
| Nominal current                                             | 30 mA                         |
| Max. number of luminaires per miniature circuit breaker B16 | 32                            |
| Max. number of luminaires per miniature circuit breaker C10 | 25                            |
| Max. number of luminaires per miniature circuit breaker C16 | 40                            |
| Power factor $\lambda$                                      | > 0.90                        |
| Total harmonic distortion                                   | < 15 %                        |
| Protection class                                            | II                            |
| Operating mode                                              | Electronic control gear (ECG) |

### Photometrical data

|                                              |                     |
|----------------------------------------------|---------------------|
| Luminous flux                                | 580 lm              |
| Luminous efficacy                            | 85 lm/W             |
| Color temperature                            | 3000 K              |
| Light color (designation)                    | Warm White          |
| Color rendering index Ra                     | > 80                |
| Standard deviation of color matching         | ≤4 sdc <sub>m</sub> |
| Photobiological safety group acc. to EN62778 | RG0                 |
| Photobiological safety group acc. to EN62471 | RG0                 |
| Beam angle                                   | 36 °                |



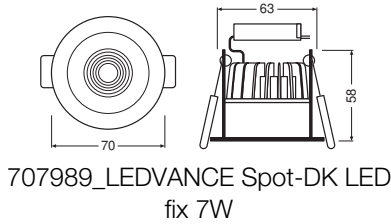
4058075000223 Spot-DK LED fix 7W 3000K 230V IP44



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Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 70.00 mm |
| Height         | 58.00 mm |
| Product weight | 200.00 g |



Materials & Colors

|                                 |          |
|---------------------------------|----------|
| Product color                   | White    |
| Housing color                   | White    |
| Body material                   | Aluminum |
| 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...+45 °C                 |
| Type of connection                     | Screw terminal, 2-Pole (L,N) |
| Type of protection                     | IP44/IP20                    |
| Protection class IK (shock resistance) | IK06                         |
| Dimmable                               | No                           |
| Mounting type                          | Recessed                     |
| Mounting location                      | Ceiling                      |
| Application environment                | Indoor                       |
| Mounting diameter                      | 63 mm                        |
| Mounting depth                         | 90 mm                        |
| With light source                      | Yes                          |
| Replaceable light source               | No                           |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 40000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 40000 h               |
| Lifespan L90/B10 at 25 °C  | 20000 h               |
| Number of switching cycles | 100000                |

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

### Certificates & Standards

|                                                      |                                |
|------------------------------------------------------|--------------------------------|
| Standards                                            | CE / CB / TÜV SÜD / EAC / RoHS |
| Luminaire with limited surface temperature, "D sign" | No                             |
| Ball shot safe                                       | No                             |
| Replaceable light source (EPREL)                     | Not replaceable                |

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name |
|------------------------------------------------------------------------------------|----------------------------------------|---------------|
|  | User instruction / safety instructions | SPOT LED      |

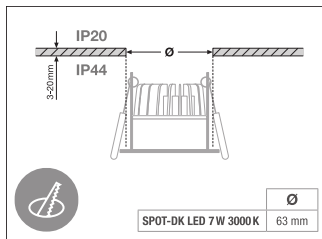
| Documents and certificates                                                         |                                     | Document name                                                     |
|------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------|
|    | On-Pack-Info                        | Legal Insert Spot LED                                             |
|    | Legal information                   | LSI SPOT LED ADJUST AND LED FIX                                   |
|    | Declarations of conformity          | Attestation-of-Conformity-Spot LED -Fix-Adjust +Downlight LED TÜV |
|    | Declarations of conformity UKCA     | SPOT LED                                                          |
| Photometric and lighting design files                                              |                                     | Document name                                                     |
|    | IES file (IES)                      | Spot-DK LED fix 7W 3000K 230V IP44                                |
|    | LDT file (Eulumdat)                 | Spot-DK LED fix 7W 3000K 230V IP44                                |
|    | ULD file (DIALux)                   | SPOTDARKLIGHT7W3000KIP44WT                                        |
|   | ROLF file (RELUX)                   | SPOTDK LED FIX 7W-3000K                                           |
|  | UGR file (UGR table)                | 4058075000223 Spot-DK LED fix 7W 3000K 230V IP44                  |
|  | Light distribution curve type cone  | 4058075000223 Spot-DK LED fix 7W 3000K 230V IP44                  |
|  | Light distribution curve type polar | 4058075000223 Spot-DK LED fix 7W 3000K 230V IP44                  |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075127166 | Folding box<br>1             | 105 mm x 100 mm x 85 mm              | 268.00 g     | 0.89 dm <sup>3</sup>  |
| 4058075127173 | Shipping box<br>20           | 550 mm x 220 mm x 200 mm             | 5745.00 g    | 24.20 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



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## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://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.