

# PRODUCT DATASHEET

## SPOT ADJUST DALI 8 W 3000 K IP20 WT

SPOT ADJUST DALI | Recessed mounted spotlight, adjustable, round shape with DALI driver



PERFOR-  
MANCE  
CLASS

### Areas of application

- Replacement of halogen lamp spotlights
- General illumination
- Hotel rooms
- Bars, restaurants
- Accent lighting
- Galleries, museums
- Residential interiors

### Product benefits

- Advanced functionality due to already included DALI driver
- DALI driver with individual luminaire current set-up already installed
- High luminous efficacy
- Design matches the LEDVANCE DOWNLIGHT luminaire family
- Energy savings of up to 90 % compared to halogen lamp spotlights
- Functional and minimalistic design
- Easy and quick installation
- 5 years guarantee

### Product features

- Advanced applications with DALI light installations
- Initial color consistency:  $\leq 4$  SDCM



- Housing material: aluminum
- 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                                             | 180.000 mA          |
| Inrush current                                              | 16 A                |
| Inrush current time $T_{h50}$                               | 255 $\mu$ s         |
| Max. number of luminaires per miniature circuit breaker B16 | 128                 |
| Max. number of luminaires per miniature circuit breaker C10 | 80                  |
| Max. number of luminaires per miniature circuit breaker C16 | 128                 |
| Power factor $\lambda$                                      | > 0.90              |
| Total harmonic distortion                                   | < 15 %              |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |
| Dimming interface                                           | DALI-2              |

### Photometrical data

|                                              |                           |
|----------------------------------------------|---------------------------|
| Luminous flux                                | 660 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         | $\leq 4$ sdc <sub>m</sub> |
| Luminous intensity                           | -                         |
| 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 °                      |



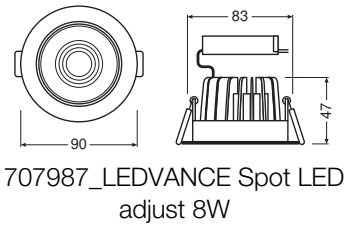
4058075042155 Spot LED DALI adjust 8W 3000K 230V  
IP20



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Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 90.00 mm |
| Height         | 47.00 mm |
| Product weight | 224.00 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                     | IP20                         |
| Protection class IK (shock resistance) | IK06                         |
| Dimmable                               | Yes                          |
| Type of dimming                        | DALI                         |
| Mounting type                          | Recessed                     |
| Mounting location                      | Ceiling                      |
| Application environment                | Indoor                       |
| Mounting diameter                      | 83 mm                        |
| Mounting depth                         | 90 mm                        |
| Adjustable                             | Yes                          |
| 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 / 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 DALI ADJUST                                  |
|    | Legal information                      | LSI SPOT LED DALI ADJUST                              |
|    | Declarations of conformity             | Declaration of conformity                             |
|    | Declarations of conformity             | CE Spot DALI                                          |
|    | Declarations of conformity UKCA        | SPOT LED DALI ADJUST 8W IP20                          |
| Photometric and lighting design files                                              |                                        | Document name                                         |
|    | IES file (IES)                         | Spot LED DALI adjust 8W 4000K 230V IP20               |
|    | LDT file (Eulumdat)                    | Spot LED DALI adjust 8W 4000K 230V IP20               |
|   | ULD file (DIALux)                      | SP LED DALI ADJUST 8W-3000K IP20                      |
|  | ROLF file (RELUX)                      | SPOT LED DALI ADJUST                                  |
|  | Light distribution curve type cone     | 4058075042155 Spot LED DALI adjust 8W 3000K 230V IP20 |
|  | Light distribution curve type polar    | 4058075042155 Spot LED DALI adjust 8W 3000K 230V IP20 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075219946 | Folding box<br>1             | 118 mm x 229 mm x 120 mm             | 297.00 g     | 3.24 dm <sup>3</sup>  |
| 4058075219953 | Shipping box<br>10           | 614 mm x 248 mm x 273 mm             | 3516.00 g    | 41.57 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.

## References / Links

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

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