

# PRODUCT DATASHEET

## DL SLIM SQ 155 12 W 3000 K WT

DOWNLIGHT SLIM SQUARE | Flat downlights with integrated driver, square shape



### Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- General illumination
- Public areas
- Stairways
- Corridors
- Foyers
- Shops

### Product benefits

- Very slim housing
- Low installation depth
- High luminous efficacy
- Energy savings up to 60 % (compared to luminaires that use CFL lamps)
- Very homogenous light
- Functional design
- Easy installation with fast connection
- Simple installation thanks to integrated driver

### Product features

- Small visible bezel
- Connector box with push wire terminal for tool-free connection



- Light guide made of non-yellowing PMMA for long lifetime

## TECHNICAL DATA

### Electrical data

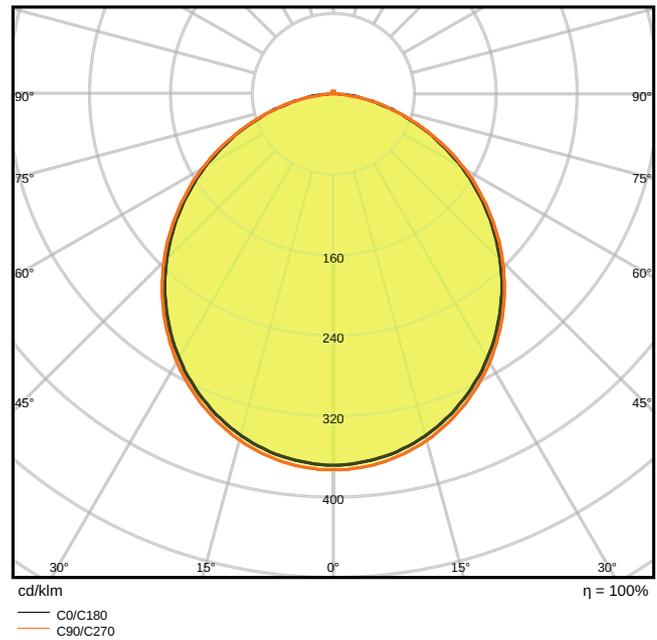
|  |                       |
|--|-----------------------|
| Nominal wattage                          | 12.00 W               |
| Nominal voltage                          | 220...240 V           |
| Mains frequency                          | 50...60 Hz            |
| Nominal current                          | 71.7 mA               |
| Inrush current                           | 15.6 A                |
| Inrush current time $T_{h50}$            | 50 $\mu$ s            |
| Max. no. of lum. on circuit break. B16 A | 48                    |
| Max. no. of lum. on circuit break. C10 A | 38                    |
| Max. no. of lum. on circuit break. C16 A | 61                    |
| Power factor $\lambda$                   | 0.50                  |
| Total harmonic distortion                | < 20 %                |
| Protection class                         | II                    |
| Operating mode                           | Integrated LED driver |

### Photometrical data

|  |                      |
|--|----------------------|
| Luminous flux                                | 1020 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         | < 6 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                                   | 120 °                |

|   |                   |   |
|---|-------------------|---|
| 0.5   | 1.36<br>1.35      | E(0°) 1503<br>E(C90) 53.7° 158<br>E(C0) 53.5° 158 |
| 1.0   | 2.72<br>2.70      | E(0°) 376<br>E(C90) 53.7° 40<br>E(C0) 53.5° 40    |
| 1.5   | 4.08<br>4.05      | E(0°) 167<br>E(C90) 53.7° 18<br>E(C0) 53.5° 18    |
| 2.0   | 5.45<br>5.41      | E(0°) 94<br>E(C90) 53.7° 10<br>E(C0) 53.5° 10     |
| 2.5   | 6.81<br>6.76      | E(0°) 60<br>E(C90) 53.7° 6<br>E(C0) 53.5° 6       |
| 3.0   | 8.17<br>8.11      | E(0°) 42<br>E(C90) 53.7° 4<br>E(C0) 53.5° 4       |
| Distance [m]  | Cone diameter [m] | Illuminance [lx]                                  |
| — C0/C180 (Half beam angle [°]: 107.0°)<br>— C90/C270 (Half beam angle [°]: 107.4°) |                   |   |

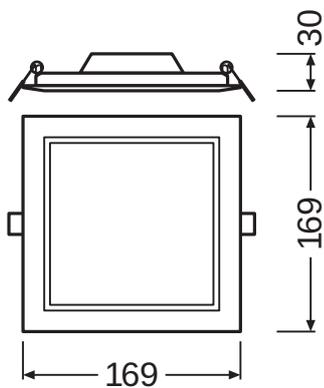
LDC typ cone



LDC typ polar

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 169.00 mm |
| Width          | 169.00 mm |
| Height         | 30.00 mm  |
| Product weight | 308.00 g  |



## Materials & Colors

|  |                    |
|--|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |
| Mercury content                            | 0.0 mg             |

## Application & Mounting

|  |                            |
|--|----------------------------|
| Ambient temperature range              | -20...+50 °C               |
| Temperature range at storage           | -30...+70 °C               |
| Type of connection                     | Screwless terminal, 2-Pole |
| Type of protection                     | IP20                       |
| Protection class IK (shock resistance) | IK03                       |
| Dimmable                               | No                         |
| Mounting type                          | Recessed                   |
| Mounting location                      | Ceiling / Wall             |
| Mounting length                        | 155,0 mm                   |
| Mounting width                         | 155,0 mm                   |
| Mounting depth                         | 50,0 mm                    |
| LED module replaceable                 | Not replaceable            |

## Lifespan

|                            |         |
|----------------------------|---------|
| Lifespan L70/B50 at 25 °C  | 30000 h |
| Lifespan L80/B10 at 25 °C  | 20000 h |
| Lifespan L90/B10 at 25 °C  | 12000 h |
| Number of switching cycles | 50000   |

## Control gear

|                             |         |
|-----------------------------|---------|
| ECG - Output ripple current | < 6.5 % |
|-----------------------------|---------|

## Certificates & Standards

|  |               |
|--|---------------|
| Standards  | CE / CB / EAC |
| Luminaire with limited surface temperature, "D sign" | No            |
| Ball shot safe                                       | No            |

## EQUIPMENT / ACCESSORIES

– Surface mounting frames available as accessories

## DOWNLOAD DATA

| DOWNLOAD DATA   |   |
|---|---|
|     | PRODUCT DATASHEET<br>DOWNLIGHT LED SLIM SQUARE 155 12 W 3000 K WT     |
|    | Tender documents<br>Tender Text 4058075079274                         |
|     | Declarations of conformity<br>CE Certificate downlight Slim           |
|     | Installation guide<br>User Instruction Downlight LED Slim             |
|     | On-Pack-Info<br>Legal Insert Downlight Slim                           |
|    | IES file (IES)<br>DL SLIM SQ155 12W 3000K WT IP20                     |
|  | LDT file (Eulumdat)<br>DL SLIM SQ155 12W 3000K WT IP20                |
|  | M3D file (3D Model)<br>DOWNLIGHT LED SLIM SQUARE 155.m3d              |
|  | ULD file (DIALux)<br>DOWNLIGHTSLIMSQUARE15512W3000KWT                 |
|  | UGR file (UGR table)<br>4058075052529 DL SLIM SQ155 12W 3000K WT IP20 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075079274 | Folding box<br>1             | 45 mm x 145 mm x 175 mm              | 359.00 g     | 1.14 dm <sup>3</sup>  |
| 4058075079281 | Shipping box<br>6            | 290 mm x 205 mm x 195 mm             | 2374.00 g    | 11.59 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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