

# PRODUCT DATASHEET

## DL SLIM ALU DN 180 17 W 4000 K WT

DOWNLIGHT SLIM ALU | Flat downlights with external driver and aluminum housing



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### Areas of application

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

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### 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
- External driver for easy replacement
- 5 years guarantee

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### Product features

- Solid aluminum housing in white
- Small visible bezel



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

## TECHNICAL DATA

### Electrical data

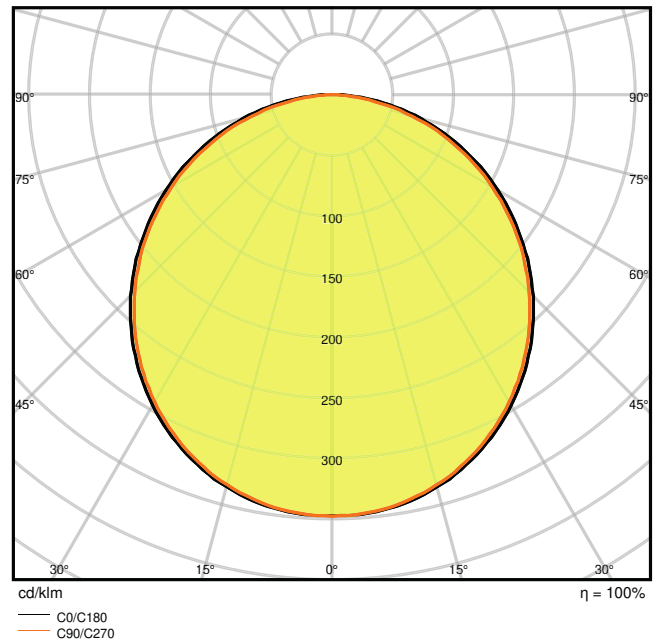
|   |                               |
|---|-------------------------------|
| Nominal wattage   | 17.00 W                       |
| Nominal voltage   | 220...240 V                   |
| Mains frequency   | 50...60 Hz                    |
| Nominal current   | 155 mA                        |
| Inrush current  | 10 A                          |
| Inrush current time $T_{h50}$                               | 400 $\mu$ s                   |
| Max. no. of lum. on circuit break. C10 A                    | 14                            |
| Power factor $\lambda$                                      | > 0.5                         |
| Total harmonic distortion                                   | < 20 %                        |
| Protection class  | II                            |
| Operating mode  | Electronic control gear (ECG) |
| Max. number of luminaires per miniature circuit breaker C16 | 23                            |
| Max. number of luminaires per miniature circuit breaker B16 | 16                            |

### Photometrical data

|  |                      |
|--|----------------------|
| Luminous flux                                | 1400 lm              |
| Luminous efficacy                            | 80 lm/W              |
| Color temperature                            | 4000 K               |
| Light color (designation)                    | Cool 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   | 1.49<br>1.55      | E(0°) 2001<br>E(C90) 174<br>E(C0) 161 |
| 1.0   | 2.98<br>3.09      | E(0°) 500<br>E(C90) 43<br>E(C0) 40    |
| 1.5   | 4.46<br>4.64      | E(0°) 222<br>E(C90) 19<br>E(C0) 18    |
| 2.0   | 5.95<br>6.18      | E(0°) 125<br>E(C90) 11<br>E(C0) 10    |
| 2.5   | 7.44<br>7.73      | E(0°) 80<br>E(C90) 7<br>E(C0) 6       |
| 3.0   | 8.93<br>9.27      | E(0°) 56<br>E(C90) 5<br>E(C0) 4       |
| Distance [m]  | Cone diameter [m] | Illuminance [lx]                      |
| — C0/C180 (Half beam angle [°]: 114.2°)<br>— C90/C270 (Half beam angle [°]: 112.2°) |                   |                                       |

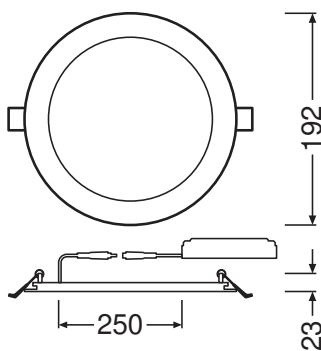
LDC typ cone



LDC typ polar

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 192.00 mm |
| Height         | 23.00 mm  |
| Product weight | 280.00 g  |



### Materials & Colors

|  |                               |
|--|-------------------------------|
| Product color                              | White                         |
| Housing color                              | White                         |
| Body material                              | Aluminum                      |
| Cover material                             | Polymethylmethacrylate (PMMA) |
| 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...+40 °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             |
| Application environment                | Indoor                     |
| Mounting diameter                      | 180 mm                     |
| Mounting depth                         | 40 mm                      |
| 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  | 30000 h <sup>1)</sup> |
| Lifespan L90/B10 at 25 °C  | 15000 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

|                             |        |
|-----------------------------|--------|
| Output current              | 330 mA |
| ECG - Output ripple current | ≤ 10 % |
| ECG - Length                | 120 mm |
| ECG - Width                 | 42 mm  |
| ECG - Height                | 28 mm  |














### Certificates & Standards

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

### Additional product data

|                       |              |
|-----------------------|--------------|
| Number of illuminants | Not relevant |
|-----------------------|--------------|

### 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                   |
| CAD/BIM files   |                                 |
|   | BIM_Revit_3D                    |

## CAD/BIM files

CAD\_STEP\_3D

## Tender texts



Tender documents

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075063945 | Folding box<br>1             | 47 mm x 195 mm x 195 mm              | 345.00 g     | 1.79 dm <sup>3</sup>  |
| 4058075063952 | Shipping box<br>10           | 495 mm x 210 mm x 210 mm             | 3787.00 g    | 21.83 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)

## DISCLAIMER

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