

# PRODUCT DATASHEET

## DL SURFACE IP65 DN 250 P 45W 840 36D WT

DOWNLIGHT SURFACE IP65 | Surface-mounted downlights with IP65 grade



PERFOR-  
MANCE  
CLASS

### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Suitable for indoor and outdoor installations
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

### Product benefits

- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- 5 years guarantee
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)

### Product features

- Impact resistance: IK06
- Push wire terminal for tool-free connection
- Through wiring possible
- Type of protection: IP65
- Luminous flux: up to 4,950 lm
- High luminous efficacy: up to 110 lm/W
- Lifetime (L70/B50): 100,000 h (at 25 °C)
- Ambient temperature in operation: -30...+40 °C



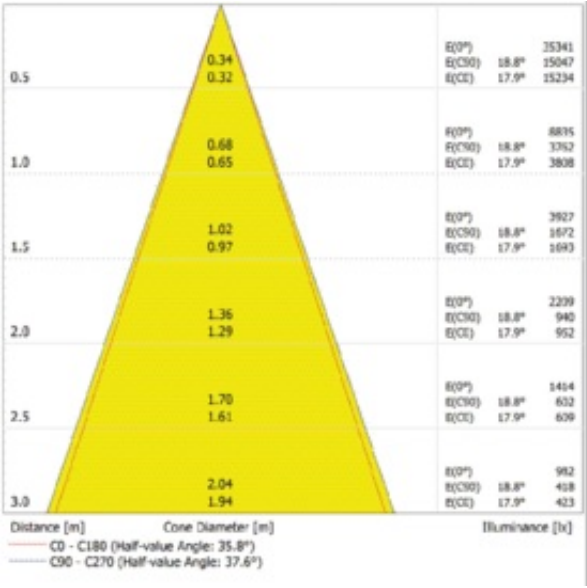
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**TECHNICAL DATA****Electrical data**

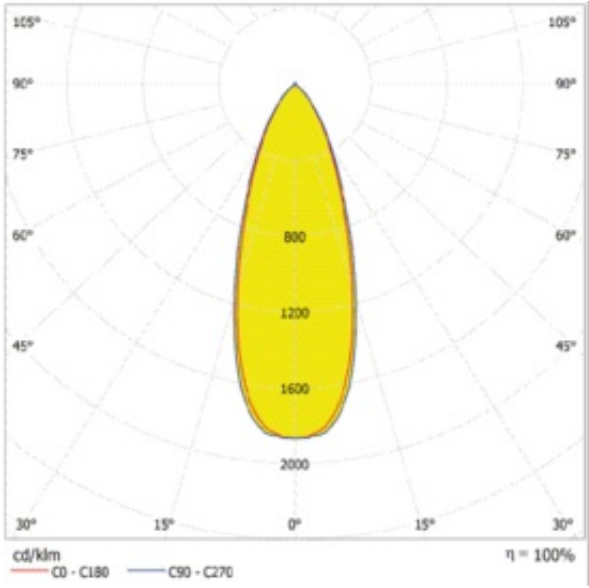
|                                                             |                   |
|-------------------------------------------------------------|-------------------|
| Nominal wattage                                             | 45.00 W           |
| Nominal voltage                                             | 220...240 V       |
| Mains frequency                                             | 50...60 Hz        |
| Nominal current                                             | 220.000 mA        |
| Inrush current                                              | 31 A              |
| Inrush current time $T_{h50}$                               | 420 $\mu$ s       |
| Max. number of luminaires per miniature circuit breaker B16 | 9                 |
| Max. number of luminaires per miniature circuit breaker C10 | 6                 |
| Max. number of luminaires per miniature circuit breaker C16 | 9                 |
| Power factor $\lambda$                                      | > 0.90            |
| Total harmonic distortion                                   | < 20 %            |
| Protection class                                            | I                 |
| Operating mode                                              | Integrated driver |

**Photometrical data**

|                                              |                           |
|----------------------------------------------|---------------------------|
| Luminous flux                                | 4950 lm                   |
| Luminous efficacy                            | 110 lm/W                  |
| Color temperature                            | 4000 K                    |
| Light color (designation)                    | Cool White                |
| Color rendering index Ra                     | > 80                      |
| Standard deviation of color matching         | $\leq 6$ sdc <sub>m</sub> |
| Low flicker                                  | Yes                       |
| Photobiological safety group acc. to EN62778 | RG0                       |
| Photobiological safety group acc. to EN62471 | RG1                       |
| Beam angle                                   | 36 °                      |
| UGR                                          | < 19                      |



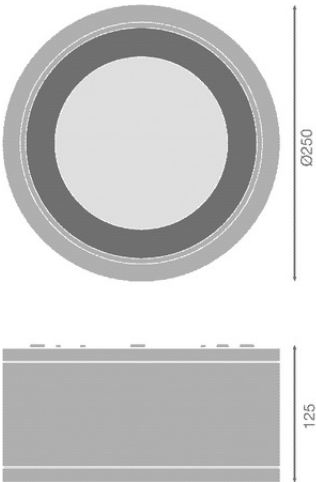
LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 250.00 mm |
| Height         | 125.00 mm |
| Product weight | 2800.00 g |



## Materials &amp; Colors

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

## Application &amp; Mounting

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ambient temperature range              | -20...+40 °C                |
| Temperature range at storage           | -30...+80 °C                |
| Type of connection                     | Terminal, 3-Pole (L, N, PE) |
| Type of protection                     | IP65/IP65                   |
| Protection class IK (shock resistance) | IK06                        |
| Dimmable                               | No                          |
| Mounting type                          | Surface                     |
| Mounting location                      | Ceiling                     |
| Application environment                | Outdoor                     |
| Adjustable                             | No                          |
| LED module replaceable                 | Not replaceable             |
| With light source                      | Yes                         |

## Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 70000 h <sup>1)</sup>  |
| Lifespan L90/B10 at 25 °C  | 60000 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              | 1100 mA |
| ECG - Output ripple current | < 15 %  |

## Certificates &amp; Standards

|           |                      |
|-----------|----------------------|
| Standards | CE / CB / EAC / ENEC |
|-----------|----------------------|

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

## DOWNLOAD DATA

| Documents and certificates                                                          |                                 |
|-------------------------------------------------------------------------------------|---------------------------------|
|     | User instruction                |
|     | Addon Technical Information     |
|     | Packaging insert                |
|     | Declarations Of Conformity CE   |
|     | Declarations Of Conformity UKCA |
|     | Certificates                    |
| Photometric and lighting design files                                               |                                 |
|  | IES file (IES)                  |
|  | LDT file (Eulumdat)             |
|  | UGR file (UGR table)            |
|  | LDC typ cone                    |
|  | LDC typ polar                   |
| Tender texts                                                                        |                                 |
|  | Tender documents                |

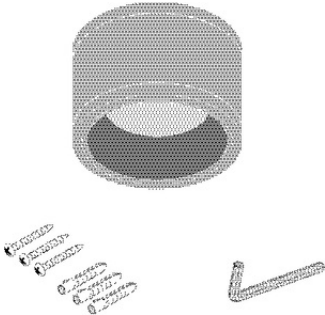
## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|--------------|------------------------------|--------------------------------------|--------------|--------|
|--------------|------------------------------|--------------------------------------|--------------|--------|

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075769236 | Folding box<br>1             | 297 mm x 297 mm x 172 mm             | 2900.00 g    | 15.17 dm <sup>3</sup> |
| 4058075769243 | Shipping box<br>4            | 616 mm x 316 mm x 366 mm             | 12600.00 g   | 71.24 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.