

# PRODUCT DATASHEET

## DL CMFT HE DA D150 P 15W 830 OP WT

DOWNLIGHT COMFORT HIGH EFFICIENCY DALI OPAL | Downlight luminaires with aluminum housing, high luminous efficacy and external DALI-2 driver including energy monitoring



PERFORMANCE  
CLASS

### Areas of application

- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

### Product benefits

- Energy savings thanks to high system efficacy: up to 155 lm/W
- Through wiring possible via included connector box
- High grade polycarbonate front frame for reduced overall luminaire weight
- Uniform light with minimized glare thanks to included reflector and diffuser
- Well suited for retrofitting using an extension ring as separate accessory
- DALI-2 certified incl. Parts 251, 252, 253
- Push DIM application for easy control

### Product features

- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Consistent lighting color  $\leq 3$  SDCM
- External driver with Multi Lumen function of up to 5580 lm
- Aluminum luminaires with 3 different cut-outs and opal diffuser
- Very homogenous light distribution



## TECHNICAL DATA

### Electrical data

|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 15 W / 12 W / 10 W  |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 68mA / 59mA / 50 mA |
| Inrush current                                              | 25.2 A              |
| Inrush current time $T_{h50}$                               | 6.8 $\mu$ s         |
| Max. number of luminaires per miniature circuit breaker B16 | 29                  |
| Max. number of luminaires per miniature circuit breaker C10 | 23                  |
| Max. number of luminaires per miniature circuit breaker C16 | 38                  |
| Power factor $\lambda$                                      | $\geq 0.90$         |
| Total harmonic distortion                                   | $\leq 20 \%$        |
| Protection class                                            | II                  |
| Surge capability (L-N)                                      | 1000 V              |
| Dimming interface                                           | DALI-2 / IoT        |

### Photometrical data

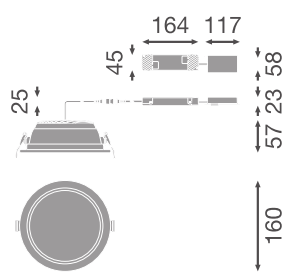
|                                                |                             |
|------------------------------------------------|-----------------------------|
| Luminous flux                                  | 2025 lm / 1680 lm / 1400 lm |
| Total luminous flux of contained light sources | 1800 lm                     |
| Luminous efficacy                              | 135 lm/W / 140 lm/W         |
| Color temperature                              | 3000 K                      |
| Light color (designation)                      | Warm White                  |
| Color rendering index Ra                       | > 80                        |
| Standard deviation of color matching           | 3 sdc <sub>m</sub>          |
| Luminous intensity                             | 840 lm / 730 lm / 600 lm    |
| Low flicker                                    | Yes                         |
| Flickering metric (Pst LM)                     | <1                          |
| Stroboscope effect metric (SVM)                | <0.4                        |
| Photobiological safety group acc. to EN62778   | RG1                         |
| Photobiological safety group acc. to EN62471   | RG1                         |
| Beam angle                                     | 95 °                        |

### Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|-----------------|-------------------|---------------|-------------------|
| 15 W            | 3000 K            | 2025 lm       | 135 lm/W          |
| 12 W            | 3000 K            | 1680 lm       | 140 lm/W          |
| 10 W            | 3000 K            | 1400 lm       | 140 lm/W          |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 160.00 mm |
| Height         | 57.10 mm  |
| Product weight | 380.00 g  |



DL CMFT HE DA D150 P

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| RAL Color (most similar)                   | RAL 9003           |
| Body material                              | Aluminum           |
| Cover 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...+40 °C               |
| Temperature range at storage           | -20...+80 °C               |
| Type of connection                     | Screwless terminal, 5-Pole |
| Type of protection                     | IP44/IP20                  |
| Protection class IK (shock resistance) | IK03                       |
| Dimmable                               | Yes                        |

|                          |                                                            |
|--------------------------|------------------------------------------------------------|
| Type of dimming          | DALI2                                                      |
| IoT ready                | Support of DALI data type PART 251, 252, 253 <sup>1)</sup> |
| Mounting location        | Ceiling / Wall                                             |
| Application environment  | Indoor                                                     |
| Mounting diameter        | 150 mm                                                     |
| Mounting depth           | 57,0 mm                                                    |
| With light source        | Yes                                                        |
| Replaceable light source | No                                                         |

<sup>1)</sup> Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| Lifespan L90/B10 at 25 °C  | 65000 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)

### Control gear

|                             |                          |
|-----------------------------|--------------------------|
| Output current              | 350mA / 300mA / 250 mA   |
| ECG - Output ripple current | ≤ 10 %                   |
| Recommended control gear    | DR DALI-P-30/220-240/700 |

### Emergency lighting

|                                           |        |
|-------------------------------------------|--------|
| Type of emergency operation test          | None   |
| Wattage in emergency operation mode       | 3 W    |
| Luminous flux in emergency operation mode | 375 lm |

### Certificates & Standards

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

### Additional product data

|                |                              |
|----------------|------------------------------|
| Product remark | Available from December 2025 |
|----------------|------------------------------|

## Accessories Optional

| Product image                                                                     | Product name              | EAN           |
|-----------------------------------------------------------------------------------|---------------------------|---------------|
|   | DL CMFT EXCH RING D150 GY | 4099854515439 |
|   | DL CMFT EXCH RING D150 BK | 4099854515316 |
|   | DL CMFT EXT RING D190 WT  | 4099854687723 |
|   | DL CMFT EXT RING D190 GY  | 4099854687600 |
|  | DL CMFT EXT RING D190 BK  | 4099854687570 |

## EQUIPMENT / ACCESSORIES

- Security rope for luminaire included
- External control gear included
- Connector box with 5-pole terminal included
- Surface mounting frame options only available for DALI versions D200 and D250
- Gray and black exchangeable rings available as separate accessory
- Extension rings are available as separate accessory
- Extension ring D190 for retrofitting D150 luminaire, extension ring D240 for retrofitting D200 luminaire

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.

## DOWNLOAD DATA

| Documents and certificates                                                        |                                        | Document name                      |
|-----------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|   | User instruction / safety instructions | DOWNLIGHT COMFORT HE DALI          |
|   | Legal information                      | Legal Insert G1120030              |
|   | Legal information                      | Safety Insert G11207793            |
|   | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|   | Legal information                      | LSI G11253078 DL CMFT HE DA        |
|   | Declarations of conformity             | DL CMFT LUM                        |
|   | Declarations of conformity UKCA        | DL CMFT LUM                        |
|   | Certificates                           | ENEC Certificate DL CMFT HE        |
|  | EU Data Act                            | DALI LED Driver and Luminaires     |

| CAD/BIM files                                                                      |             | Document name      |
|------------------------------------------------------------------------------------|-------------|--------------------|
|  | CAD STEP 3D | DL CMFT D150 MS OP |

| Tender texts                                                                       | Document name    |                                                                     |
|------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------|
|  | Tender documents | DOWNLIGHT COMFORT HIGH EFFICIENCY DALI OPAL D150 P 15W 830 OP WT-en |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854687372 | Folding box<br>1             | 185 mm x 185 mm x 100 mm             | 467.00 g     | 3.42 dm <sup>3</sup>  |
| 4099854687389 | Shipping box<br>8            | 390 mm x 390 mm x 230 mm             | 4736.00 g    | 34.98 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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