

# PRODUCT DATASHEET

## DL CMFT D200 P 30W MS 940 OP WT

DOWNLIGHT COMFORT OPAL | Downlight luminaires with aluminum housing and high luminous efficacy



### 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 120 lm/W
- Highly versatile due to Multi Select functions
- High color rendering index CRI > 90
- External driver for extended flexibility and easy installation
- Through wiring possible via additional connector box accessory
- Type of protection: IP44
- Easy installation with fast connection
- Further variants with DALI-2 driver, Zigbee driver or Emergency Conversion Kit available

### Product features

- Aluminum luminaires with 4 different cut-outs and opal diffuser
- Very homogenous light distribution
- External driver with Multi Lumen function of up to 5000 lm
- Multi Color function
- Consistent lighting color  $\leq 3$  SDCM



– Lifetime (L70/B50) 100,000 h at 25 °C

## TECHNICAL DATA

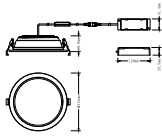
### Electrical data

|                                                             |                      |
|-------------------------------------------------------------|----------------------|
| Nominal wattage                                             | 30 W / 25 W / 20.0 W |
| Nominal voltage                                             | 220...240 V          |
| Mains frequency                                             | 50...60 Hz           |
| Nominal current                                             | 136/117/98 mA        |
| Inrush current                                              | 27.9 A               |
| Inrush current time $T_{h50}$                               | 178 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 14                   |
| Max. number of luminaires per miniature circuit breaker C10 | 12                   |
| Max. number of luminaires per miniature circuit breaker C16 | 20                   |
| Power factor $\lambda$                                      | $\geq 0.90$          |
| Total harmonic distortion                                   | $\leq 15 \%$         |
| Protection class                                            | III                  |
| Operating mode                                              | External LED driver  |

### Photometrical data

|                                                              |                             |
|--------------------------------------------------------------|-----------------------------|
| Luminous flux                                                | 3600 lm / 3000 lm / 2400 lm |
| Luminous efficacy                                            | 120 lm/W                    |
| Color temperature                                            | 3000 K / 4000 K             |
| Reference control setting of contained light source (Kelvin) | 4000 K                      |
| Light color (designation)                                    | Warm White / Cool White     |
| Color rendering index Ra                                     | > 90                        |
| Standard deviation of color matching                         | $\leq 3$ sdc <sub>m</sub>   |
| Luminous intensity                                           | -                           |
| Flickering metric (Pst LM)                                   | <1                          |
| Stroboscope effect metric (SVM)                              | <0.4                        |
| Photobiological safety group acc. to EN62778                 | RG0                         |
| Photobiological safety group acc. to EN62471                 | RG0                         |
| Beam angle                                                   | 100 °                       |





DL CMFT D200 P 30W MS 940 OP  
WT

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| 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, 2-Pole (L, N) |
| Type of protection                     | IP44/IP20                         |
| Protection class IK (shock resistance) | IK03                              |
| Dimmable                               | No                                |
| Mounting type                          | Recessed                          |
| Mounting location                      | Ceiling / Wall                    |
| Application environment                | Indoor                            |
| Mounting width                         | 200 mm                            |
| Mounting diameter                      | 200 mm                            |
| Mounting depth                         | 59 mm                             |
| 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 L80/B50 at 25 °C  | 70000 h |
| Lifespan L90/B10 at 25 °C  | 40000 h |
| Number of switching cycles | 30000   |

1) 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              | 750/625/500 mA |
| ECG - Output ripple current | ≤ 10 %         |
| ECG - Length                | 120 mm         |
| ECG - Width                 | 41 mm          |
| ECG - Height                | 28,5 mm        |
| Recommended control gear    | BD-PB42ML-4075 |

### Certificates & Standards

|                                                      |                             |
|------------------------------------------------------|-----------------------------|
| Standards                                            | ENEC / CE / UKCA / EAC / CB |
| 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 March 2025 |
| Added function | MULTI SELECT              |

### Accessories Optional

| Product image                                                                       | Product name              | EAN           |
|-------------------------------------------------------------------------------------|---------------------------|---------------|
|   | DL CMFT EXCH RING D200 BK | 4099854515347 |
|   | DL CMFT EXCH RING D200 GY | 4099854515460 |
|  | DL CMFT FRAME D200 WT     | 4099854500022 |

| Product image                                                                     | Product name          | EAN           |
|-----------------------------------------------------------------------------------|-----------------------|---------------|
|  | DL CMFT FRAME D200 BK | 4099854500046 |
|  | DL CMFT FRAME D200 GY | 4099854500060 |

## EQUIPMENT / ACCESSORIES

- Surface mounting frame options available
- Security rope for luminaire included
- External control gear included
- Suitable for use with separate Emergency Conversion Box

## 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 | DL CMFT FRAME_EXCH RING            |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | DL CMFT                            |
|  | Legal information                      | Safety Insert G11207793            |
|  | Legal information                      | SP VARIO DN170                     |
|  | Declarations of conformity             | DL CMFT                            |
|  | Declarations of conformity UKCA        | DL CMFT                            |

| Photometric and lighting design files                                               |                                     | Document name                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------|
|    | IES file (IES)                      | DL CMFT D200 P 30W MS 930 OP WT                   |
|    | IES file (IES)                      | DL CMFT D200 P 30W MS 940 OP WT                   |
|    | LDT file (Eulumdat)                 | DL CMFT D200 P 30W MS 930 OP WT                   |
|    | LDT file (Eulumdat)                 | DL CMFT D200 P 30W MS 940 OP WT                   |
|    | ULD file (DIALux)                   | DL CMFT D200 P 30W MS 940 OP WT                   |
|    | UGR file (UGR table)                | DL CMFT D200 P 30W MS 930 OP WT                   |
|    | UGR file (UGR table)                | DL CMFT D200 P 30W MS 940 OP WT                   |
|    | Light distribution curve type cone  | DL CMFT D200 P 30W MS 930 OP WT                   |
|    | Light distribution curve type cone  | DL CMFT D200 P 30W MS 940 OP WT                   |
|    | Light distribution curve type polar | DL CMFT D200 P 30W MS 930 OP WT                   |
|  | Light distribution curve type polar | DL CMFT D200 P 30W MS 940 OP WT                   |
| CAD/BIM files                                                                       |                                     | Document name                                     |
|  | BIM Revit 3D                        | DL CMFT MS                                        |
|  | CAD STEP 3D                         | DL CMFT D200 MS OP                                |
| Tender texts                                                                        |                                     | Document name                                     |
|  | Tender documents                    | DOWNLIGHT COMFORT OPAL D200 P 30W MS 940 OP WT-en |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854490989 | Folding box<br>1             | 235 mm x 235 mm x 100 mm             | 697.00 g     | 5.52 dm <sup>3</sup>  |
| 4099854490996 | Shipping box<br>8            | 490 mm x 485 mm x 225 mm             | 6648.00 g    | 53.47 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.