

# PRODUCT FAMILY DATASHEET

## OSRAM DULUX D LED EM & AC MAINS

LED replacement for CFLni, 2 tubes, with 2-pin G24d base for CCG and AC mains operation



---

### AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+35 °C
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants
- Outdoor applications only in suitable luminaires

---

### PRODUCT BENEFITS

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Quick, simple and safe replacement without rewiring
- Rotatable base around its longitudinal axis ( $\pm 90^\circ$ )
- Low energy consumption
- Easy relamping thanks to compact design

---

### PRODUCT FEATURES

- Type of protection: IP20
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in G24d base



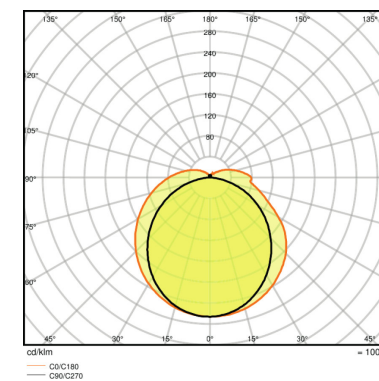
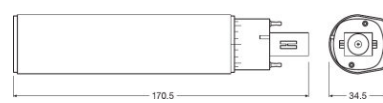
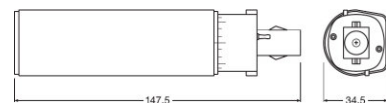
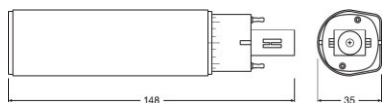
TECHNICAL DATA

| Product description                            | Electrical data |                 |  |  |   |  |   |
|--|-----------------|-----------------|--|--|---|--|---|
|  | Nominal wattage | Nominal voltage | Max. lamp no. on circuit break. B16 A - CCG without compensation | Max. lamp no. on circuit break. 10 A (B) | Max. lamp no. on circuit break. B10 A - CCG with compensation | Max. lamp no. on circuit break. B10 A - CCG without compensation | Max. lamp no. on circuit break. B16 A - CCG with compensation |
| DULUX D LED EM & AC Mains 13 5 W/3000K G24d-1  | 5.00 W          | 220...240 V     | 440  | 270                                      | 270   | 270  | 440   |
| DULUX D LED EM & AC Mains 13 5 W/4000K G24d-1  | 5.00 W          | 220...240 V     | 440  | 270                                      | 270   | 270  | 440   |
| DULUX D LED EM & AC Mains 18 7 W/3000K G24d-2  | 7.00 W          | 220...240 V     | 315  | 195                                      | 195   | 195  | 315   |
| DULUX D LED EM & AC Mains 18 7 W/4000K G24d-2  | 7.00 W          | 220...240 V     | 315  | 195                                      | 195   | 195  | 315   |
| DULUX D LED EM & AC Mains 26 10 W/3000K G24d-3 | 10.00 W         | 220...240 V     | 220  | 135                                      | 135   | 135  | 220   |
| DULUX D LED EM & AC Mains 26 10 W/4000K G24d-3 | 10.00 W         | 220...240 V     | 220  | 135                                      | 135   | 135  | 220   |

| Product description                            | Max. lamp no. on circuit break. 16 A (B) | Photometrical data    |                     |   |                           |                   |               |                          | Light technical data |            |
|--|--|-----------------------|---------------------|---|---------------------------|-------------------|---------------|--------------------------|----------------------|------------|
|  |  | Nominal luminous flux | Rated luminous flux | Lumen main.fact.at end of nom.life time | Light color (designation) | Color temperature | Luminous flux | Color rendering index Ra | Warm-up time (60 %)  | Beam angle |
| DULUX D LED EM & AC Mains 13 5 W/3000K G24d-1  | 440                                      | 550 lm                | 550 lm              | 0.70                                    | Warm White                | 3000 K            | 550 lm        | ≥80                      | < 0.50 s             | 120 °      |
| DULUX D LED EM & AC Mains 13 5 W/4000K G24d-1  | 440                                      | 600 lm                | 600 lm              | 0.70                                    | Cool White                | 4000 K            | 600 lm        | ≥80                      | < 0.50 s             | 120 °      |
| DULUX D LED EM & AC Mains 18 7 W/3000K G24d-2  | 315                                      | 640 lm                | 640 lm              | 0.70                                    | Warm White                | 3000 K            | 640 lm        | >83                      | < 0.50 s             | 120 °      |
| DULUX D LED EM & AC Mains 18 7 W/4000K G24d-2  | 315                                      | 700 lm                | 700 lm              | 0.70                                    | Cool White                | 4000 K            | 700 lm        | >83                      | < 0.50 s             | 120 °      |
| DULUX D LED EM & AC Mains 26 10 W/3000K G24d-3 | 220                                      | 920 lm                | 920 lm              | 0.70                                    | Warm White                | 3000 K            | 920 lm        | >83                      | < 0.50 s             | 120 °      |
| DULUX D LED EM & AC Mains 26 10 W/4000K G24d-3 | 220                                      | 1000 lm               | 1000 lm             | 0.70                                    | Cool White                | 4000 K            | 1000 lm       | >83                      | < 0.50 s             | 120 °      |

| Product description                            | Dimensions & weight |          | Temperatures & operating conditions | Lifespan               |                            | Additional product data     |                 |              |
|--|---------------------|----------|-------------------------------------|------------------------|----------------------------|-----------------------------|-----------------|--------------|
|  | Overall length      | Diameter | Ambient temperature range           | Nominal lamp life time | Number of switching cycles | Base (standard designation) | Mercury content | Mercury-free |
| DULUX D LED EM & AC Mains 13 5 W/3000K G24d-1  | 148.0 mm            | 35.0 mm  | -20...+35 °C                        | 30000 h                | 200000                     | G24d-1                      | 0.0 mg          | Yes          |
| DULUX D LED EM & AC Mains 13 5 W/4000K G24d-1  | 148.0 mm            | 35.0 mm  | -20...+35 °C                        | 30000 h                | 200000                     | G24d-1                      | 0.0 mg          | Yes          |
| DULUX D LED EM & AC Mains 18 7 W/3000K G24d-2  | 147.5 mm            | 35.0 mm  | -20...+35 °C                        | 30000 h                | 200000                     | G24d-2                      | 0.0 mg          | Yes          |
| DULUX D LED EM & AC Mains 18 7 W/4000K G24d-2  | 147.5 mm            | 35.0 mm  | -20...+35 °C                        | 30000 h                | 200000                     | G24d-2                      | 0.0 mg          | Yes          |
| DULUX D LED EM & AC Mains 26 10 W/3000K G24d-3 | 170.5 mm            | 35.0 mm  | -20...+35 °C                        | 30000 h                | 200000                     | G24d-3                      | 0.0 mg          | Yes          |
| DULUX D LED EM & AC Mains 26 10 W/4000K G24d-3 | 170.5 mm            | 35.0 mm  | -20...+35 °C                        | 30000 h                | 200000                     | G24d-3                      | 0.0 mg          | Yes          |

| Product description                            | Capabilities | Certificates & standards             |
|--|--------------|--------------------------------------|
|  | Dimmable     | Photobiological safety group EN62778 |
| DULUX D LED EM & AC Mains 13 5 W/3000K G24d-1  | No           |                                      |
| DULUX D LED EM & AC Mains 13 5 W/4000K G24d-1  | No           | RG1                                  |
| DULUX D LED EM & AC Mains 18 7 W/3000K G24d-2  | No           |                                      |
| DULUX D LED EM & AC Mains 18 7 W/4000K G24d-2  | No           | RG1                                  |
| DULUX D LED EM & AC Mains 26 10 W/3000K G24d-3 | No           |                                      |
| DULUX D LED EM & AC Mains 26 10 W/4000K G24d-3 | No           | RG1                                  |

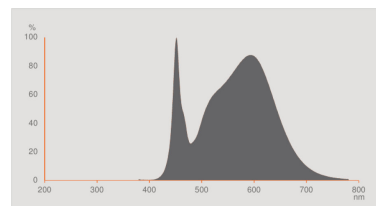
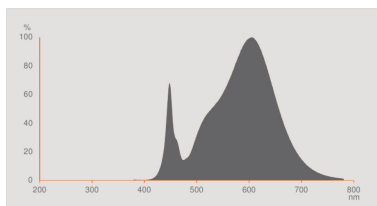


DULUX D LED EM & AC Mains 13 5 W/3000K G24d-1, DULUX D LED EM & AC Mains 13 5 W/4000K G24d-1

DULUX D LED EM & AC Mains 18 7 W/3000K G24d-2, DULUX D LED EM & AC Mains 18 7 W/4000K G24d-2

DULUX D LED EM & AC Mains 26 10 W/3000K G24d-3, DULUX D LED EM & AC Mains 26 10 W/4000K G24d-3

DULUX D LED EM & AC Mains 13 5 W/3000K G24d-1



DULUX D LED EM & AC Mains 18 7  
W/3000K G24d-2, DULUX D LED EM &  
AC Mains 26 10 W/3000K G24d-3

DULUX D LED EM & AC Mains 18 7  
W/4000K G24d-2, DULUX D LED EM &  
AC Mains 26 10 W/4000K G24d-3

### SAFETY ADVICE

Only suitable for temperatures of up to 35°C inside of the luminaire.  
Not suitable for tandem operation.

### APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075135093 | Shipping carton box<br>10    | 205 mm x 91 mm x 180 mm              | 843.00 g     | 3.36 dm <sup>3</sup> |
| 4058075135116 | Shipping carton box<br>10    | 205 mm x 91 mm x 180 mm              | 841.00 g     | 3.36 dm <sup>3</sup> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075024922 | Shipping carton box<br>10    | 205 mm x 91 mm x 180 mm              | 842.00 g     | 3.36 dm <sup>3</sup> |
| 4058075024946 | Shipping carton box<br>10    | 205 mm x 91 mm x 180 mm              | 842.00 g     | 3.36 dm <sup>3</sup> |
| 4058075024984 | Shipping carton box<br>10    | 205 mm x 91 mm x 200 mm              | 982.00 g     | 3.73 dm <sup>3</sup> |
| 4058075025004 | Shipping carton box<br>10    | 205 mm x 91 mm x 200 mm              | 982.00 g     | 3.73 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.

---

#### DISCLAIMER

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