

PRODUCT DATASHEET

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

OSRAM DULUX LED D EM & AC MAINS | LED replacement for CFLni with 2-pin G24d base for CCG



Areas of application

- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product benefits

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

Product features

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Rotatable base around its longitudinal axis ($\pm 90^\circ$)
- Lifetime up to 30,000 h



- Single-ended two-pin plug-in G24d base
- Type of protection: IP20
- Mercury-free lamps

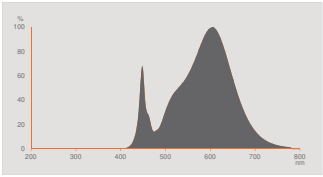
TECHNICAL DATA

Electrical data

| | |
|--|-------------------------------------|
| Nominal wattage | 7 W |
| Construction wattage | 7.00 W |
| Nominal voltage | 220...240 V |
| Operating mode | AC, Conventional control gear (CCG) |
| Claimed equiv. conventional lamp power | 18 W |
| Nominal current | 54 mA |
| Type of current | AC |
| Inrush current | 10 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 70 |
| Max. lamp number on MCB B10 A - CCG without compensation | 70 |
| Max. lamp number on MCB B10 A - CCG with compensation | 70 |
| Max. lamp number on MCB B16 A | 40 |
| Max. lamp number on MCB B16 A - CCG without compensation | 40 |
| Max. lamp number on MCB B16 A - CCG with compensation | 40 |
| Total harmonic distortion | ≤ 30 % |
| Power factor λ | > 0.50 |

Photometrical data

| | |
|---|---------------------|
| Luminous flux | 640 lm |
| Nominal useful luminous flux 90° | 640 lm |
| Luminous efficacy | 91 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Color temperature | 3000 K |
| Color rendering index Ra | > 80 |
| Light color | 830 |
| Standard deviation of color matching | ≤6 sdc _m |
| Rated LLMF at 6,000 h | 0.80 |

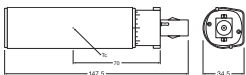


Everlight 2835KK3C 3000K

Light technical data

| | |
|---------------------|----------|
| Beam angle | 120 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |

Dimensions & Weight



| | |
|---|-----------|
| Overall length | 148.00 mm |
| Length with base excl. base pins/connection | 125,70 mm |
| Diameter | 35,0 mm |
| Maximum diameter | 35 mm |
| Product weight | 65.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+35 °C |
| Maximum temperature at tc test point | 67 °C |

Lifespan

| | |
|--|--------|
| Number of switching cycles | 200000 |
| Lumen maintenance at end of service lifetime | 0.70 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

Additional product data

| | |
|-----------------------------|--------|
| Base (standard designation) | G24d-2 |
|-----------------------------|--------|

| | |
|------------------|---------|
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Design / version | Frosted |

Capabilities

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Certificates & Standards

| | |
|--|------------------|
| Energy efficiency class | A+ ¹⁾ |
| Energy consumption | 7.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE |
| Photobiological safety group acc. to EN62778 | RG1 |

¹⁾ Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | DULUX D18LED 7W |
|-----------------|-----------------|

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|






Energy labelling regulation data acc EU 2019/2015

| | |
|---|-----------|
| Light source cap-type (or other electric interface) | G24d-2 |
| Length | 148.00 mm |
| Height | 35,0 mm |
| Width | 35,0 mm |

Safety advice

- Not suitable for tandem operation.
- The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure T_c temperature on the product prior to installation.
- All electrical connections must be made by a qualified person.
- Not suitable for emergency lighting.
- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|-------------------------------------|--|
|  | Declarations of conformity | EC Declaration of Conformity Dulux_D_18+26_LED |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | IES File AC23450 DULUX D18 LED 7W830 230V EM_AC MAIN |
|  | LDT file (Eulumdat) | LDT File AC23450 DULUX D18 LED 7W830 230V EM_AC MAIN |
|  | Light distribution curve type polar | DULUX D18 LED 7W830 230V EM AC MAIN |
|  | Spectral power distribution | Everlight 2835KK3C 3000K |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075024915 | Folding box 1 | 37 mm x 37 mm x 151 mm | 78.00 g | 0.21 dm ³ |
| 4058075024922 | Shipping box 10 | 193 mm x 82 mm x 165 mm | 829.00 g | 2.61 dm ³ |

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.