

PRODUCT DATASHEET

DULUX F LED EM 20 W/3000 K 200 mm

OSRAM DULUX® F LED EM & AC MAINS | LED replacement for flat CFLni, 2 tubes, with 4-pin 2G10 base for CCG and AC mains operation



Areas of application

- Offices
- Walkways and corridors
- Hotels, restaurants
- Outdoor applications only in suitable luminaires

Product benefits

- Quick, simple and safe replacement without rewiring
- 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
- Type of protection: IP20
- Lifetime: up to 30,000 h
- Single-ended four-pin plug-in 2G10 base



TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 20 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 36 W |
| Nominal current | 90 mA |
| Type of current | AC |
| Inrush current | 25 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 100 |
| Max. lamp no. on circuit break. 16 A (B) | 150 |
| Total harmonic distortion | ≤ 30 % |
| Power factor λ | > 0,90 |

Photometrical data

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|--------------------------------------|------------|
| Luminous flux | 2250 lm |
| Nominal useful luminous flux 90° | 2250 lm |
| Luminous efficacy | 112 lm/W |
| Lumen main.fact.at end of nom.li | 0.80 |
| Light color (designation) | Warm White |
| Color temperature | 3000 K |
| Color rendering index Ra | > 80 |
| Light color | 830 |
| Standard deviation of color matching | ≤6 sdcm |

Light technical data

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|------------------------------------|----------|
| Beam angle | 120 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |
| Rated beam angle (half peak value) | 130.00 ° |

Dimensions & weight

| | |
|------------------|-----------|
| Length | 222.00 mm |
| Diameter | 89.00 mm |
| Maximum diameter | 89 mm |

| | |
|----------------|-----------|
| Product weight | 175.000 g |
|----------------|-----------|

Temperatures & operating conditions

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|--------------------------------------|--------------|
| Ambient temperature range | -20...+50 °C |
| Maximum temperature at tc test point | 85 °C |

Lifespan

| | |
|-------------------------------------|---------|
| Nominal lamp life time | 30000 h |
| Rated lamp life time | 30000 h |
| Number of switching cycles | 200000 |
| Lumen maintenance at end of serv | 0.80 |
| Rated lamp survival factor at 6,000 | ≥ 0.90 |

Additional product data

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|-----------------------------|---------|
| Base (standard designation) | 2G10 |
| Mercury-free | Yes |
| Design / version | Frosted |
| Show WEEE picto | Yes |

Capabilities

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

Certificates & standards

| | |
|--------------------------------------|------------------|
| Energy efficiency class | A+ ¹⁾ |
| Energy consumption | 20.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / EAC |
| Photobiological safety group EN62778 | RG0 |

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

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | DULUX F36LED 20 |
|-----------------|-----------------|

Safety advice

- Only suitable for temperatures of up to 50°C inside of the luminaire.
- Not suitable for tandem operation.
- Tc point is located below the LED module on the back side of the lamp.
- Traditional starter has to be removed before installation.

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075559295 | Folding box 1 | 27 mm x 92 mm x 242 mm | 218.00 g | 0.60 dm ³ |
| 4058075559301 | Shipping box 10 | 194 mm x 146 mm x 259 mm | 2344.00 g | 7.34 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.