

# PRODUCT DATASHEET

## DULUX D LED EM 13 5 W/4000K G24d-1

OSRAM DULUX D LED EM | LED replacement for CFLni, 2 tubes, with 2-pin G24d base for CCG and AC mains operation



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### 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

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### 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

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### PRODUCT FEATURES

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



**TECHNICAL DATA**

## Electrical data

<b>Rated wattage</b>	5.00 W
<b>Nominal wattage</b>	5.00 W
<b>Nominal voltage</b>	220...240 V
<b>Max. lamp no. on circuit break. 10 A (B)</b>	270
<b>Max. lamp no. on circuit break. B10 A - CCG without compensation</b>	270
<b>Max. lamp no. on circuit break. B10 A - CCG with compensation</b>	270
<b>Max. lamp no. on circuit break. B16 A - CCG without compensation</b>	440
<b>Max. lamp no. on circuit break. B16 A - CCG with compensation</b>	440
<b>Max. lamp no. on circuit break. 16 A (B)</b>	440
<b>Operating frequency</b>	50...60 Hz
<b>Power factor <math>\lambda</math></b>	> 0.70

## Photometrical data

<b>Nominal luminous flux</b>	600 lm
<b>Rated luminous flux</b>	600 lm
<b>Rated color temperature</b>	4000 K
<b>Lumen main.fact.at end of nom.life time</b>	0.70
<b>Light color (designation)</b>	Cool White
<b>Color temperature</b>	4000 K
<b>Luminous flux</b>	600 lm
<b>Color rendering index Ra</b>	$\geq 80$
<b>Standard deviation of color matching</b>	$\leq 6$ sdc <sub>m</sub>
<b>Color rendering index Ra</b>	$\geq 80$

## Light technical data

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

Dimensions & weight



<b>Overall length</b>	148.0 mm
<b>Diameter</b>	35.0 mm
<b>Outer bulb</b>	-
<b>Length</b>	148.0 mm

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+35 °C
<b>Maximum temperature at tc test point</b>	85 °C

Lifespan

<b>Nominal lamp life time</b>	30000 h
<b>Rated lamp life time</b>	30000 h
<b>Number of switching cycles</b>	200000
<b>Lumen maintenance at end of service life</b>	0.70

Additional product data

<b>Base (standard designation)</b>	G24d-1
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Design / version</b>	Frosted
<b>Show WEEE picto</b>	Yes

Capabilities

<b>Dimmable</b>	No
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Certificates & standards

<b>Photobiological safety group EN62778</b>	RG1
<b>Energy efficiency class</b>	A++
<b>Energy consumption</b>	5 kWh/1000h

## Country-specific categorizations

<b>Order reference</b>	DULUX D13LED 5W
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**SAFETY ADVICE**

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

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075135109	Folding carton box 1	37 mm x 37 mm x 151 mm	78.00 g	0.21 dm <sup>3</sup>
4058075135116	Shipping carton box 10	205 mm x 91 mm x 180 mm	841.00 g	3.36 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.