

PRODUCT DATASHEET

DULUX D LED EM & AC Mains 7 W/4000 K 100 mm

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

- 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



- Rotatable base around its longitudinal axis ($\pm 90^\circ$)
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in G24d base

TECHNICAL DATA

Electrical data

Nominal wattage	7 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	18 W
Nominal current	31 mA
Type of current	AC
Inrush current	20 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	280
Max. lamp no. on circuit break. 16 A (B)	440
Total harmonic distortion	≤ 30 %
Power factor λ	> 0,90

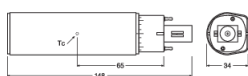
Photometrical data

Luminous flux	770 lm
Nominal useful luminous flux 90°	770 lm
Luminous efficacy	110 lm/W
Lumen main.fact.at end of nom.li	0.80
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	> 80
Light color	840
Standard deviation of color matching	≤6 sdcn

Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	120.00 °

Dimensions & weight



Overall length	148.00 mm
Length	148.00 mm
Diameter	34.00 mm
Maximum diameter	34 mm
Product weight	64.000 g

Temperatures & operating conditions

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

Base (standard designation)	G24d-2
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A+ ¹⁾
Energy consumption	7.00 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

Safety advice

- Only suitable for temperatures of up to 35°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.

DOWNLOAD DATA

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IES file (IES)
DULUX D18LED 7W840230VEMG24D-2



LDT file (Eulumdat)
DULUX D18LED 7W840230VEMG24D-2

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075558502	Folding box 1	37 mm x 37 mm x 151 mm	77.00 g	0.21 dm ³
4058075558519	Shipping box 10	193 mm x 82 mm x 165 mm	832.00 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.