

PRODUCT DATASHEET

DULUX D LED EM & AC Mains 7 W/3000 K 100 mm

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	Conventional control gear (CCG), AC
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

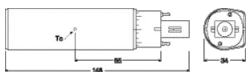
Photometrical data

Luminous flux	700 lm
Nominal useful luminous flux 90°	700 lm
Luminous efficacy	100 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 sdcn

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
Diameter	34.00 mm
Maximum diameter	34 mm
Product weight	64.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	85 °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
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	F
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

Country-specific categorizations

Order reference	RL-DUO18 7W/830
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G24d-2
Correlated colour temperature type	SINGLE_VALUE
Length	148.00 mm
Height	34.00 mm
Width	34.00 mm
EPREL ID	604646

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 Tc max temperature on the product prior to installation.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597197826	Folding box 1	37 mm x 37 mm x 151 mm	77.00 g	0.21 dm ³
4008597497827	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.