PRODUCT DATASHEET
DULUX D LED EM & AC Mains 6 W/3000 K

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



Areas of application

- 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 (± 90°)
- Lifetime: up to 30,000 h





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– Single-ended two-pin plug-in G24d base

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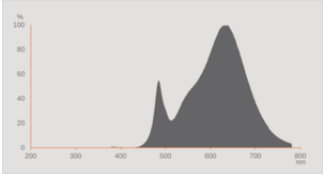
TECHNICAL DATA

Electrical data

Nominal wattage	6 W
Construction wattage	6.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	13 W
Nominal current	27 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)	320
Max. lamp no. on circuit break. 16 A (B)	510
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

Photometrical data

Luminous flux	600 lm
Nominal useful luminous flux 90°	600 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 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

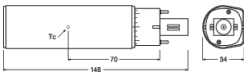


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Light technical data

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
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

Nominal lamp life time	30000 h
Number of switching cycles	200000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	G24d-1
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No

Certificates & Standards

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Energy efficiency class	F [1)]
Energy consumption	6.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Order reference	DULUX D13LED 6W

Energy labellling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	G24d-1
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Length	148.00 mm
Height	34.00 mm
Width	34.00 mm
Chromaticity coordinate x	0.433
Chromaticity coordinate y	0.403
Beam angle	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	not applicable
EPREL ID	604644
Model number	AC35178

Safety advice

- Not suitable for tandem operation.

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DOWNLOAD DATA

	DOWNLOAD DATA
	IES file (IES) DULUX D13LED 6W830230VEMG24D-1
	LDT file (Eulumdat) DULUX D13LED 6W830230VEMG24D-1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075558106	Folding box 1	37 mm x 37 mm x 151 mm	77.00 g	0.21 dm^3
4058075558113	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.

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