

PRODUCT DATASHEET

DULUX L LED HF & AC Mains 18 W/4000 K 400 mm

OSRAM DULUX LED L HF & AC MAINS | LED replacement for CFLni with 4-pin 2G11 base for ECG



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Offices, public buildings
- Shops
- Hotels, restaurants
- Industry

Product benefits

- Easy installation
- Low energy consumption
- Not suitable for operation with conventional control gear
- 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 ECG luminaires or on AC mains
- Lifetime up to 30,000 h
- Single-ended four-pin plug-in 2G11 base
- Type of protection: IP20
- Mercury-free lamps



TECHNICAL DATA

Electrical data

Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220...240 V
Operating mode	Electronic control gear (ECG), AC
Claimed equiv. conventional lamp power	36 W
Nominal current	79 mA
Type of current	AC
Inrush current	25 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	110
Max. lamp number on MCB B16 A	180
Total harmonic distortion	< 30 %
Power factor λ	> 0.90

Photometrical data

Luminous flux	2300 lm
Nominal useful luminous flux 90°	2300 lm
Luminous efficacy	127 lm/W
Lumen main.fact.at end of nom.life time	0.70
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	140 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	417.00 mm
Diameter	44.00 mm
Maximum diameter	44 mm
Product weight	134.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °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)	2G11
Mercury content	0.0 mg
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	E
Energy consumption	18.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

Country-specific categorizations

Order reference	RL-LONG36 18W/8
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	2G11
Correlated colour temperature type	SINGLE_VALUE
Length	417.00 mm
Height	44.00 mm
Width	44.00 mm
EPREL ID	604665

Safety advice

- Always check the latest update of the compatibility list available on www.ledvance.com/ecg-compatibility.
- Not suitable for operation with conventional control gear.
- The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure Tc temperature on the product prior to installation.
- All electrical connections must be made by a qualified person.
- Not suitable for emergency lighting.
- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597205743	Folding box 1	27 mm x 47 mm x 460 mm	199.00 g	0.58 dm ³
4008597605741	Shipping box 10	470 mm x 243 mm x 74 mm	2151.00 g	8.45 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.