

PRODUCT DATASHEET

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

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



Areas of application

- Offices, public buildings
- Shops
- Hotels, restaurants
- Industry
- Outdoor applications only in suitable luminaires

Product benefits

- Quick, simple and safe replacement
- Simple replacement thanks to similar design as conventional compact fluorescent lamps
- Low energy consumption
- 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
- Single-ended four-pin plug-in 2G11 base
- Short and compact pin-base lamp with double-turn tubes
- Type of protection: IP20



- Lifetime: up to 30,000 h
- Mercury-free lamps

TECHNICAL DATA

Electrical data

Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	36 W
Nominal current	100 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)	100
Max. lamp no. on circuit break. 16 A (B)	160
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

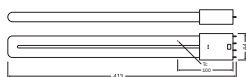
Photometrical data

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 sdc _m
Rated LLMF at 6,000 h	0.80

Light technical data

Beam angle	140 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	140.00 °

Dimensions & Weight



Overall length	413.00 mm
Diameter	44 mm
Tube diameter	23.2 mm
Maximum diameter	44 mm
Product weight	135.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	58 °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)	2G11
Mercury content	0.0 mg
Mercury-free	Yes

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	A++ ¹⁾
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	DULUX L36LED 18
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	2G11
Length	413.00 mm
Height	44 mm
Width	44 mm

Safety advice

- Always check the latest update of the compatibility list available on www.ledvance.com/ecg-compatibility.

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction OSRAM DULUX L LED
	Addon Technical Information ECG Compatibility list for OSRAM DULUX® LED lamps
	PRODUCT DATASHEET DULUX L LED HF AC Mains 18 W 4000K
	Declarations of conformity EC Declaration of Conformity Dulux_L_18+36_LED
	IES file (IES) IES File AC23461 DULUX L36 LED 18W840 230V HF_AC MAIN
	LDT file (Eulumdat) LDT File AC23461 DULUX L36 LED 18W840 230V HF_AC MAIN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075135420	Folding box 1	27 mm x 47 mm x 460 mm	200.00 g	0.58 dm ³
4058075135437	Shipping box 10	470 mm x 243 mm x 74 mm	2153.00 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.