

PRODUCT DATASHEET

DULUX L LED HF & AC Mains 7 W/4000 K

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	7 W
Construction wattage	7.00 W
Nominal voltage	220...240 V
Operating mode	AC, Electronic control gear (ECG)
Claimed equiv. conventional lamp power	18 W
Nominal current	40 mA
Type of current	AC
Inrush current	10 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	120
Max. lamp no. on circuit break. 16 A (B)	180
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

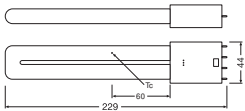
Photometrical data

Luminous flux	1000 lm
Nominal useful luminous flux 90°	1000 lm
Luminous efficacy	142 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
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

Dimensions & Weight



Overall length	229.00 mm
Diameter	44 mm
Tube diameter	23.2 mm
Maximum diameter	44 mm
Product weight	95.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	53 °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
Mercury-free	Yes

Capabilities

Dimmable	No
----------	----

Certificates & Standards

Energy efficiency class	A++ ¹⁾
Energy consumption	7.00 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 L18LED 7W
-----------------	-----------------

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
------------------------------	--------------







Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	2G11
Length	229.00 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.
- 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 max temperature on the product prior to installation.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction	OSRAM DULUX L LED
	Addon Technical Information	ECG Compatibility list for OSRAM DULUX® LED lamps
	Declarations Of Conformity CE	EC Declaration of Conformity Dulux_L_18+36_LED
Photometric and lighting design files		Document name
	IES file (IES)	IES File AC23459 DULUX L18 LED 7W840 230V HF_AC MAIN
	LDT file (Eulumdat)	LDT File AC23459 DULUX L18 LED 7W840 230V HF_AC MAIN
	LDC typ polar	DULUX L18 LED 7W840 230V HF AC MAIN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075135383	Folding box 1	27 mm x 47 mm x 276 mm	151.00 g	0.35 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075135390	Shipping box 10	286 mm x 243 mm x 74 mm	1401.00 g	5.14 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.