

## 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



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**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 number on MCB B10 A	120
Max. lamp number on MCB B16 A	180
Total harmonic distortion	≤ 30 %
Power factor $\lambda$	> 0.90

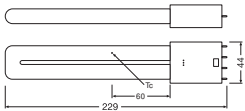
**Photometrical data**

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
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Certificates & Standards

Energy efficiency class	A++ <sup>1)</sup>
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	DULUX L18LED 7W
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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	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](http://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.

## DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	OSRAM DULUX L LED
 Addon technical information	ECG Compatibility list for OSRAM DULUX® LED lamps
 Declarations of conformity	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
 Light distribution curve type 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 <sup>3</sup>
4058075135390	Shipping box 10	286 mm x 243 mm x 74 mm	1401.00 g	5.14 dm <sup>3</sup>

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.