PRODUCT DATASHEET
DULUX L LED HF & AC Mains 18 W/3000 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

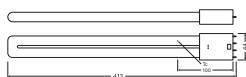|	
Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220…240 V
Operating mode	AC, Electronic control gear (ECG)
Claimed equiv. conventional lamp power	36 W
Nominal current	100 mA
Type of current	AC
Inrush current	20 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	100
Max. lamp number on MCB B16 A	160
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

Photometrical data

Luminous flux	2070 lm
Nominal useful luminous flux 90°	2070 lm
Luminous efficacy	115 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
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	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

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	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

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	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.
– 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
PDF	User Instruction	OSRAM DULUX L LED
PDF	Addon Technical Information	ECG Compatibility list for OSRAM DULUX® LED lamps
PDF	Declarations of conformity	EC Declaration of Conformity Dulux_L_18+36_LED

	Photometric and lighting design files	Document name
IES	IES file (IES)	IES File AC23460 DULUX L36 LED 18W830 230V HF AC MAIN
LDT	LDT file (Eulumdat)	LDT File AC23460 DULUX L36 LED 18W830 230V HF AC MAIN
	LDC typ polar	DULUX L36 LED 18W830 230V HF AC MAIN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075135406	Folding box 1	27 mm x 47 mm x 460 mm	200.00 g	0.58 dm³
4058075135413	Shipping box 10	470 mm x 243 mm x 74 mm	2177.00 g	8.45 dm³

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.