

PRODUCT DATASHEET DULUX LED L36 HF & AC MAINS 18W 840 2G11

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

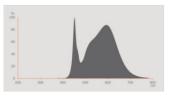
Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220240 V
Operating mode	ECG, AC Mains 1)
Claimed equiv. conventional lamp power	36 W
Nominal current	79 mA
Type of current	AC
Inrush current	8 A
Suitable for DC input	Yes
Input voltage DC	186260 V ²⁾
Operating frequency	50/60 Hz
Mains 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

¹⁾ Check ECG compatibility at ledvance.com/compatibility

Photometrical data

Luminous flux	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 sdcm
Rated LLMF at 6,000 h	0.90
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

²⁾ Permitted voltage range



EPREL data spectral diagram PROF LEDr 4000K

Light technical data

Beam angle	140 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	416.50 mm
Diameter	44.00 mm
Tube diameter	17,0 mm
Product weight	132.00 g

Temperatures & operating conditions

Ambient temperature range	-20+45 °C ¹⁾
Maximum temperature at tc test point	75 °C

¹⁾ Temperature surrounding the lamp - for enclosed luminaires: temperature inside of the luminaire

Lifespan

Lifespan L70/B50 at 25 °C	30000 h
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
Design / version	Frosted

Capabilities

Dimmable

Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	18.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Order reference

LOGISTICAL DATA	
Temperature range at storage	-20+80 °C

DULUX LED L36 H

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	2G11
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0 W
Claim of equivalent power	No
Length	416.50 mm
Height	44.00 mm
Width	44.00 mm

Chromaticity coordinate x	0.381
Chromaticity coordinate y	0.379
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	604665,1412854,2206875
Model number	AC35199,AC47845,AC71213

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.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	DULUX LED L HF
PDF	Extended installation guide	Installation instructions LED TUBE T8, T5 und DULUX LED 2024 10 EN
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	DULUX LED
PDF	Declarations of conformity UKCA	DULUX LED
PDF	Declarations of conformity UKCA	DULUX LED
	Photometric and lighting design files	Document name

DULUX L36LED 18W840 230VHF2G11

IES file (IES)

Photometric and lighting design files	Document name
LDT file (Eulumdat)	DULUX L36LED 18W840 230VHF2G11
Light distribution curve type polar	DULUX L36LED 18W840 230VHF2G11
Spectral power distribution	EPREL data spectral diagram PROF LEDr 4000K

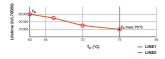
Tender texts	Document name
Tender documents	OSRAM DULUX LED L HF AC MAINS 18W 840 2G11-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075557833	Folding box 1	27 mm x 49 mm x 494 mm	164.00 g	0.65 dm ³
4058075557840	Shipping box 10	506 mm x 288 mm x 62 mm	1958.00 g	9.04 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.

ADDITIONAL CATALOG INFORMATION



DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.