PRODUCT DATASHEET
DULUX LED L24 HF & AC MAINS V 12W 830 2G11

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

Areas of application

– General illumination within ambient temperatures from -20…+45 °C
– Offices, public buildings
– Shops
– Hotels, restaurants
– Industry

VALUE CLASS

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	12 W
Construction wattage	12.00 W
Nominal voltage	220…240 V
Operating mode	ECG, AC Mains [1]
Nominal current	52 mA
Type of current	AC
Inrush current	6 A
Suitable for DC input	Yes
Input voltage DC	186…260 V [2]
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	75
Max. lamp number on MCB B16 A	120
Total harmonic distortion	≤ 30 %

[1] Check ECG compatibility at ledvance.com/compatibility

[2] Permitted voltage range

Photometrical data

Luminous flux	1350 lm
Luminous efficacy	112 lm/W
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Rated LLMF at 6,000 h	0.90
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

EPREL data spectral diagram PROF
LEDr 3000K

Dimensions & Weight

Overall length	324.50 mm
Diameter	44.00 mm
Tube diameter	17,0 mm
Product weight	104.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C [1]
Maximum temperature at tc test point	70 °C

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

Lifespan

Lifespan L70/B50 at 25 °C	30000 h

Additional product data

Base (standard designation)	2G11
Mercury-free	Yes
Design / version	Frosted

Certificates & Standards

Type of protection	IP20
Standards	CE / EAC / UKCA

Photobiological safety group acc. to EN62778	RG0

Country-specific categorizations

Order reference	DULUX LED L24 H

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

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
Standby power	0 W
Claim of equivalent power	No
Length	324.50 mm
Height	44.00 mm
Width	44.00 mm
Chromaticity coordinate x	0.433
Chromaticity coordinate y	0.403
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	1404778,2206839
Model number	AC46440,AC71197

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.

– Lamp not suitable for emergency operation.

– Do not touch the lamp if broken.

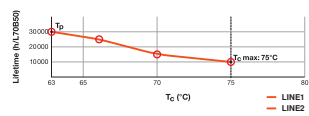– Must not be used if outer bulb is defective.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	DULUX LED L HF V
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	DULUX LED
PDF	Declarations of conformity	LEDTUBE
PDF	Declarations of conformity UKCA	DULUX LED

	Photometric and lighting design files	Document name
IES	IES file (IES)	DULUX LED L24 HF V 12W 830 2G11 LEDV
LDT	LDT file (Eulumdat)	DULUX LED L24 HF V 12W 830 2G11 LEDV
	UGR file (UGR table)	DULUX LED L24 HF V 12W 830 2G11 LEDV
	Light distribution curve type cone	DULUX LED L24 HF V 12W 830 2G11 LEDV
	Light distribution curve type polar	DULUX LED L24 HF V 12W 830 2G11 LEDV
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 3000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075822092	Folding box 1	47 mm x 27 mm x 373 mm	191.00 g	0.47 dm^3
4058075822108	Shipping box 10	379 mm x 100 mm x 147 mm	2067.00 g	5.57 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.