

PRODUCT DATASHEET DULUX LED D13 VT EM & AC MAINS 5.5W 830 G24D

OSRAM DULUX LED D VT EM & AC MAINS | LED replacement for CFLni with 2-pin G24d base for CCG



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product benefits

- Easy installation
- Low energy consumption
- 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 CCG luminaires or on AC mains
- Only suitable for vertical application
- Lifetime up to 30,000 h
- Single-ended two-pin plug-in G24d base
- Type of protection: IP20
- Mercury-free lamps



TECHNICAL DATA

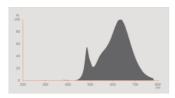
Electrical data

Nominal wattage	5.5 W		
Construction wattage	5.50 W		
Nominal voltage	220240 V		
Operating mode	Conventional control gear (CCG), AC		
Nominal current	25 mA		
Type of current	AC		
Inrush current	14.4 A		
Suitable for DC input	Yes		
Input voltage DC	186260 V ¹⁾		
Operating frequency	50/60 Hz		
Mains frequency	50/60 Hz		
Max. lamp number on MCB B10 A	41		
Max. lamp number on MCB B10 A - CCG without compensation	160		
Max. lamp number on MCB B10 A - CCG with compensation	10		
Max. lamp number on MCB B16 A	52		
Max. lamp number on MCB B16 A - CCG without compensation	256		
Max. lamp number on MCB B16 A - CCG with compensation	13		
Total harmonic distortion	≤ 30 %		

¹⁾ Permitted voltage range

Photometrical data

Luminous flux	640 lm
Luminous efficacy	116 lm/W
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF LEDr 3000K

Dimensions & Weight



Overall length	110.00 mm
Diameter	37.70 mm
Tube diameter	35 mm
Product weight	68.00 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)	G24d
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 D13 V	
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)	G24d	
Connected light source (CLS)	No	
Color-tuneable light source	No	
Envelope	No	
High luminance light source	No	
Anti-glare shield	No	
Claim of equivalent power	No	
Length	110.00 mm	
Height	37.70 mm	
Width	37.70 mm	
Chromaticity coordinate x	0.440	
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	1404738,1412871,2206870,2324424	
Model number	AC46426,AC47822,AC47822,AC71118,AC81511	

Safety advice

- Not suitable for tandem operation.
- 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	
POF	User instruction / safety instructions	OSRAM DULUX LED D VERTICAL	
POF	Legal information	Informationstext 18 Abs 4 ElektroG	
POF	Declarations of conformity	DULUXLED	
POF	Declarations of conformity	LEDTUBE	
POF	Declarations of conformity UKCA	DULUX LED	
POF	Declarations of conformity UKCA	LEDTUBE	
	Photometric and lighting design files	Document name	
	IES file (IES)	DULUX LED D13 VT EM 5.5W 830 G24D	
	IES file (IES)	DULUX LED D13 VT EM 5.5W 830 G24D OSRAM	
	LDT file (Eulumdat)	DULUX LED D13 VT EM 5.5W 830 G24D	
	LDT file (Eulumdat)	DULUX LED D13 VT EM 5.5W 830 G24D OSRAM	
	UGR file (UGR table)	DULUX LED D13 VT EM 5.5W 830 G24D OSRAM	
	Light distribution curve type polar	DULUX LED D13 VT EM 5.5W 830 G24D	
	Light distribution curve type polar	DULUX LED D13 VT EM 5.5W 830 G24D OSRAM	
	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	
--------------	------------------------------	--------------------------------------	--------------	--------	--

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075824492	Folding box 1	41 mm x 49 mm x 114 mm	80.00 g	0.23 dm ³
4099854109751	Shipping box 10	222 mm x 111 mm x 126 mm	905.00 g	3.10 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.