

PRODUCT DATASHEET DULUX LED D13 EM & AC MAINS V 6W 840 G24D-1

DULUX LED D EM & AC MAINS V | LED replacement for CFLni with 2-pin G24d base for CCG and AC mains operation



Areas of application

- General illumination within ambient temperatures from -20...+45 $^{\circ}\text{C}$
- 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
- Lifetime up to 30,000 h
- Rotatable base around its longitudinal axis (± 90°)
- Single-ended two-pin plug-in G24d base
- Type of protection: IP20
- Mercury-free lamps



TECHNICAL DATA

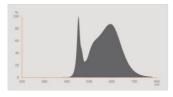
Electrical data

Nominal wattage	6 W
Construction wattage	6.00 W
Nominal voltage	220240 V
Operating mode	CCG, AC Mains
Nominal current	29 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	138
Max. lamp number on MCB B10 A - CCG with compensation	10
Max. lamp number on MCB B16 A	51
Max. lamp number on MCB B16 A - CCG without compensation	221
Max. lamp number on MCB B16 A - CCG with compensation	12
Total harmonic distortion	≤ 30 %

¹⁾ Permitted voltage range

Photometrical data

Luminous flux	660 lm
Luminous efficacy	110 lm/W
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
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 4000K

Dimensions & Weight



Overall length	138.00 mm
Diameter	35.00 mm
Tube diameter	27,0 mm
Product weight	50.00 g

Temperatures & operating conditions

Ambient temperature range	-20+45 °C ¹⁾	
Maximum temperature at tc test point	73 °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-1
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 E		
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-1			
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	138.00 mm		
Height	35.00 mm		
Width	35.00 mm		
Chromaticity coordinate x	0.381		
Chromaticity coordinate y	0.379		
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	1404747,2206797,2324413		
Model number	AC46415,AC71063,AC81483		

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.
- Do not touch the lamp with bare fingers.

- Must not be used if outer bulb is defective.
- Lamp not suitable for emergency operation.

DOWNLOAD DATA

	Documents and certificates	Document name		
PDF	User instruction / safety instructions	DULUX LED EM VALUE		
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		
PDF	Declarations of conformity UKCA	LEDTUBE		
	Photometric and lighting design files	Document name		
	IES file (IES)	DULUX LED D13 EM V 6W 840 G24D-1 LEDV		
	LDT file (Eulumdat)	DULUX LED D13 EM V 6W 840 G24D-1 LEDV		
	UGR file (UGR table)	DULUX LED D13 EM V 6W 840 G24D-1 LEDV		
	Light distribution curve type cone	DULUX LED D13 EM V 6W 840 G24D-1 LEDV		
	Light distribution curve type polar	DULUX LED D13 EM V 6W 840 G24D-1 LEDV		
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 4000K		

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075823112	Folding box 1	37 mm x 37 mm x 151 mm	63.00 g	0.21 dm ³
4058075823129	Shipping box 10	193 mm x 82 mm x 165 mm	689.00 g	2.61 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.