

PRODUCT DATASHEET DULUX LED D18 EM & AC MAINS V 7W 865 G24D-2

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 °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



May 04, 2025, 04:23:10 DULUX LED D18 EM & AC MAINS V 7W 865 G24D-2

TECHNICAL DATA

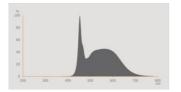
Electrical data

Nominal wattage	7 W
Construction wattage	7.00 W
Nominal voltage	220240 V
Operating mode	CCG, AC Mains ¹⁾
Nominal current	32 mA
Type of current	AC
Inrush current	14.4 A
Input voltage DC	186260 V
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	125
Max. lamp number on MCB B10 A - CCG with compensation	9
Max. lamp number on MCB B16 A	51
Max. lamp number on MCB B16 A - CCG without compensation	176
Max. lamp number on MCB B16 A - CCG with compensation	11
Total harmonic distortion	≤ 20 %

1) Check ECG compatibility at ledvance.com/compatibility

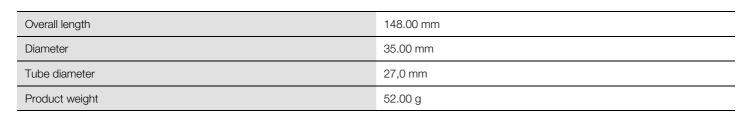
Photometrical data

Luminous flux	770 lm
Luminous efficacy	110 lm/W
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	80
Light color	865
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF LEDr 6500K

Dimensions & Weight



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
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Additional product data

Base (standard designation)	G24d-2
Mercury-free	Yes
Design / version	Frosted
Product remark	Available from June 2025

Certificates & Standards

Type of protection	IP20

Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RGO

Country-specific categorizations

Order reference	DULUX LED D18 E
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LOGISTICAL DATA

Energy labelling regulation data acc EU 2019/2015

Lighting technology usedLEDNon-directional or directionalNDLSMains or non-mainsMLSLight source cap-type (or other electric interface)624-2Connected light source (CLS)NoColor-tuneable light source (CLS)NoHigh luminance light sourceNoAnt-gares hieldNoCorrelated color temperature typeSINGLE_VALUECorrelated color temperature typeSINGLE_VALUELightSino mmChromaticity coordinate xSino mmHight coordinate xSino mmPromoticity coordinate xSino mmPromoticity coordinate xSino mmSino mindlicy coordinate xSino mmPromoticity coordinate xSino mmSino mindlicy coo			
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EPREL ID 2206901,2324453	Displacement factor	0.90	
	LED light source replaces a fluorescent light source	No	
Model number AC71067,AC81487	EPREL ID	2206901,2324453	
	Model number	AC71067,AC81487	

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	
POF	User instruction / safety instructions	DULUX LED EM VALUE	
PDF	Extended installation guide	Installation instructions LED TUBE T8, T5 und DULUX LED 2024 10 EN	
PDF	Legal information	Informationstext 18 Abs 4 ElektroG	
POF	Declarations of conformity	LEDTUBE	
POF	Declarations of conformity UKCA	LEDTUBE	
	Photometric and lighting design files	Document name	
	Filotometric and lighting design lifes	Document name	
		DULUX LED D18 EM V 7W 865 G24D-2 LEDV	
	IES file (IES)	DULUX LED D18 EM V 7W 865 G24D-2 LEDV	
	IES file (IES) LDT file (Eulumdat)	DULUX LED D18 EM V 7W 865 G24D-2 LEDV DULUX LED D18 EM V 7W 865 G24D-2 LEDV	
	LDT file (Eulumdat)	DULUX LED D18 EM V 7W 865 G24D-2 LEDV	
	LDT file (Eulumdat) UGR file (UGR table)	DULUX LED D18 EM V 7W 865 G24D-2 LEDV DULUX LED D18 EM V 7W 865 G24D-2 LEDV	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854502255	Folding box 1	37 mm x 37 mm x 151 mm	65.00 g	0.21 dm ³
4099854502262	Shipping box 10	193 mm x 82 mm x 165 mm	709.00 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.