

# PRODUCT DATASHEET DULUX LED D18 VT EM & AC MAINS V 7.5W 840 G24D

DULUX LED D VT 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
- 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



May 04, 2025, 23:02:15 DULUX LED D18 VT EM & AC MAINS V 7.5W 840 G24D

### **TECHNICAL DATA**

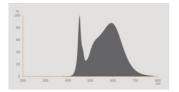
## Electrical data

Nominal wattage	7.5 W
Construction wattage	7.50 W
Nominal voltage	220240 V
Operating mode	CCG, AC Mains
Nominal current	34 mA
Type of current	AC
Inrush current	15.6 A
Suitable for DC input	Yes
Input voltage DC	186260 V <sup>1)</sup>
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	38
Max. lamp number on MCB B10 A - CCG without compensation	118
Max. lamp number on MCB B10 A - CCG with compensation	8
Max. lamp number on MCB B16 A	48
Max. lamp number on MCB B16 A - CCG without compensation	188
Max. lamp number on MCB B16 A - CCG with compensation	11
Total harmonic distortion	≤ 30 %

1) Permitted voltage range

### Photometrical data

Luminous flux	950 lm
Luminous efficacy	126 lm/W
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF LEDr 4000K

### **Dimensions & Weight**



Overall length	124.00 mm
Diameter	37.70 mm
Tube diameter	35 mm
Product weight	85.00 g

## Temperatures & operating conditions

Ambient temperature range	-20+45 °C <sup>1)</sup>
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
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# 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	RGO		
Country-specific categorizations			
Order reference	DULUX LED D18 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	124.00 mm		
Height	37.70 mm		
Width	37.70 mm		
Chromaticity coordinate x	0.380		
Chromaticity coordinate y	0.380		
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	1404741,2206873,2324461		
Model number	AC46429,AC46429,AC71113,AC81506		

### 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.

- Must not be used if outer bulb is defective.

- Do not touch the lamp if broken.

## DOWNLOAD DATA

	Documents and certificates	Document name		
PDF	User instruction / safety instructions	DULUX LED D VERTICAL		
POF	Extended installation guide	Installation instructions LED TUBE T8, T5 und DULUX LED 2024 10 EN		
POF	Legal information	Informationstext 18 Abs 4 ElektroG		
PDF	Declarations of conformity	DULUXLED		
POF	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 D18 VT EM V 7.5W 840 G24D		
	IES file (IES)	DULUX LED D18 VT EM V 7.5W 840 G24D LEDV		
	LDT file (Eulumdat)	DULUX LED D18 VT EM V 7.5W 840 G24D		
	LDT file (Eulumdat)	DULUX LED D18 VT EM V 7.5W 840 G24D LEDV		
1	UGR file (UGR table)	DULUX LED D18 VT EM V 7.5W 840 G24D LEDV		
	Light distribution curve type polar	DULUX LED D18 VT EM V 7.5W 840 G24D		
	Light distribution curve type polar	DULUX LED D18 VT EM V 7.5W 840 G24D 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
4058075821873	Folding box 1	41 mm x 41 mm x 128 mm	97.00 g	0.22 dm <sup>3</sup>
4099854110146	Shipping box 10	215 mm x 90 mm x 142 mm	1010.00 g	2.75 dm <sup>3</sup>

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

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