

## PRODUCT DATASHEET

# DULUX LED D/E26 HF & AC MAINS 10W 840 G24Q-3

OSRAM DULUX LED D/E HF & AC MAINS | LED replacement for CFLni, with 4-pin G24q base for ECG and AC mains operation



### Areas of application

- 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 ECG luminaires or on AC mains
- Single-ended four-pin plug-in G24q base
- Rotatable base around its longitudinal axis ( $\neq 90^\circ$ )
- Lifetime: up to 30,000 h
- Type of protection: IP20
- Mercury-free lamps



TECHNICAL DATA

Electrical data

Nominal wattage	10 W
Construction wattage	10.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	26 W
Nominal current	45 mA
Type of current	AC
Inrush current	5 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	200
Max. lamp no. on circuit break. 16 A (B)	300
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

Photometrical data

Luminous flux	1100 lm
Nominal useful luminous flux 90°	1100 lm
Luminous efficacy	110 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcn
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



### Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight



Overall length	169.80 mm
Diameter	33.00 mm
Tube diameter	33,0 mm
Maximum diameter	33 mm
Product weight	99.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	85 °C

### Lifespan

Lifespan	30000 h <sup>1)</sup>
Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

<sup>1)</sup> L70/B50

### Additional product data

Base (standard designation)	G24q-3
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted
Product remark	Available from June 2023

### Capabilities

Dimmable	No
----------	----

## Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

## Country-specific categorizations

Order reference	DULUX LED D/E26
-----------------	-----------------

## 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)	G24q-3
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0 W
Claim of equivalent power	No
Length	169.80 mm
Height	33.00 mm
Width	33.00 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	604655,1412844
Model number	AC35189,AC47833

### Safety advice

- Always check the latest update of the compatibility list available on [www.ledvance.com/ecg-compatibility](http://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 max temperature on the product prior to installation.

### DOWNLOAD DATA

Documents and certificates	
	User instruction
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	LDC typ polar
	Spectral power distribution

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075559196	Folding box 1	37 mm x 49 mm x 174 mm	114.00 g	0.32 dm <sup>3</sup>
4058075559202	Shipping box 10	203 mm x 110 mm x 186 mm	1360.00 g	4.15 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**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.