

PRODUCT DATASHEET

DULUX D/E LED HF & AC Mains 7 W/4000 K

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



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 ($\pm 90^\circ$)
- Lifetime up to 30,000 h
- Type of protection: IP20
- Mercury-free lamps



TECHNICAL DATA**Electrical data**

Nominal wattage	7 W
Construction wattage	7.00 W
Nominal voltage	220...240 V
Operating mode	AC, Electronic control gear (ECG)
Claimed equiv. conventional lamp power	18 W
Nominal current	34 mA
Type of current	AC
Inrush current	10 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	120
Max. lamp number on MCB B16 A	180
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

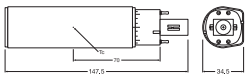
Photometrical data

Luminous flux	700 lm
Nominal useful luminous flux 90°	700 lm
Luminous efficacy	100 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
Rated LLMF at 6,000 h	0.80

Light technical data

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

Dimensions & Weight



Overall length	141.00 mm
Length with base excl. base pins/connection	126,00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	75.2 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	55 °C

Lifespan

Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	G24q-2
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

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

Certificates & Standards

Energy efficiency class	A+ ¹⁾
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	DULUXDE18LED 7W
-----------------	-----------------

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
------------------------------	--------------






Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G24q-2
Networked standby power for CLS	0 W
Length	141.00 mm
Height	35.00 mm
Width	35.00 mm
Beam angle correspondence	SPHERE_360
EPREL ID	1411994
Model number	AC13692

Safety advice

- Always check the latest update of the compatibility list available on 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 T_c 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
	User instruction / safety instructions	OSRAM DULUX D/E
	Addon technical information	ECG Compatibility list for OSRAM DULUX® LED lamps
Photometric and lighting design files		Document name
	IES file (IES)	IES File AC23455 DULUX DE18 LED 7W840 230V HF _AC MAIN
	LDT file (Eulumdat)	LDT File AC23455 DULUX DE18 LED 7W840 230V HF _AC MAIN
	Light distribution curve type polar	DULUX DE18 LED 7W840 230V HF AC MAIN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075135222	Folding box 1	37 mm x 37 mm x 151 mm	88.20 g	0.21 dm ³
4058075135239	Shipping box 10	193 mm x 82 mm x 165 mm	1010.00 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.