

PRODUCT DATASHEET

DULUX D/E LED HF 7 W/3000 K 100 mm

OSRAM DULUX® D/E LED HF & AC MAINS | LED replacement for CFLni, 2 tubes, with 4-pin G24q base for ECG and AC mains operation



Areas of application

- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants
- Outdoor applications only in suitable luminaires

Product benefits

- Quick, simple and safe replacement
- Low energy consumption
- 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 ($\pm 90^\circ$)
- Type of protection: IP20
- Lifetime: up to 30,000 h



- Mercury-free lamps

TECHNICAL DATA

Electrical data

Nominal wattage	7 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	18 W
Nominal current	32 mA
Type of current	AC
Inrush current	20 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	280
Max. lamp no. on circuit break. 16 A (B)	440
Total harmonic distortion	≤ 30 %
Power factor λ	> 0,90

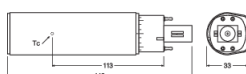
Photometrical data

Luminous flux	700 lm
Nominal useful luminous flux 90°	700 lm
Luminous efficacy	100 lm/W
Lumen main.fact.at end of nom.li	0.80
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	> 80
Light color	830
Standard deviation of color matching	≤6 sdcn

Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	120.00 °

Dimensions & weight



Overall length	143.00 mm
Length	143.00 mm
Diameter	33.00 mm
Maximum diameter	33 mm
Product weight	85.000 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	85 °C

Lifespan

Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Number of switching cycles	200000
Lumen maintenance at end of serv	0.80
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

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

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A+ ¹⁾
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group EN62778	RG0

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

Country-specific categorizations

Order reference

DULUXDE18LED 7W

Safety advice

- Only suitable for temperatures of up to 35°C inside of the luminaire.
- Always check the latest update of the compatibility list available on www.ledvance.com/ecg-compatibility.
- Not suitable for operation with conventional control gear
- Not suitable for tandem operation.
- Tc point is located below the LED module on the back side of the lamp.

DOWNLOAD DATA

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IES file (IES)
DULUXDE18LED 7W830230VHFG24Q-2



LDT file (Eulumdat)
DULUXDE18LED 7W830230VHFG24Q-2

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075559127	Folding box 1	37 mm x 37 mm x 151 mm	98.00 g	0.21 dm ³
4058075559134	Shipping box 10	193 mm x 82 mm x 165 mm	1042.00 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.