PRODUCT DATASHEET
DULUX LED D/E13 HF & AC MAINS 6W 840 G24Q-1

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 (± 90°)
- Lifetime up to 30,000 h
- Type of protection: IP20
- Mercury-free lamps

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TECHNICAL DATA

Electrical data

Nominal wattage	6 W
Construction wattage	6.00 W
Nominal voltage	220…240 V
Operating mode	ECG, AC Mains [1)]
Claimed equiv. conventional lamp power	13 W
Nominal current	28 mA
Type of current	AC
Inrush current	3 A
Suitable for DC input	Yes
Input voltage DC	186…260 V [2)]
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	320
Max. lamp number on MCB B16 A	510
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

1) Check ECG compatibility at ledvance.com/compatibility

2) Permitted voltage range

Photometrical data

Luminous flux	660 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 sdcm
Rated LLMF at 6,000 h	0.90
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

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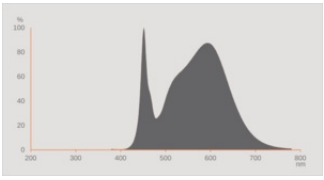

EPREL data spectral diagram PROF LEDr 4000K

Light technical data

Beam angle	120 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	130.00 mm
Diameter	32.50 mm
Tube diameter	33,0 mm
Product weight	58.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C [1)]
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
Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70

Additional product data

Base (standard designation)	G24q-1
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

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Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	E [1)]
Energy consumption	6.00 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/E13

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-1
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	130.00 mm
Height	32.50 mm
Width	32.50 mm
Chromaticity coordinate x	0.381
Chromaticity coordinate y	0.379
R9 Colour rendering index	1

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Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	604651,1412840,2206860
Model number	AC35185,AC47829,AC71186

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 Tc 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
PDF	User instruction / safety instructions	OSRAM DULUX D/E LED
PDF	Extended installation guide	Installation instructions LED TUBE T8, T5 und DULUX LED 2024 10 EN
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	DULUX LED
PDF	Declarations of conformity	DULUX LED
PDF	Declarations of conformity UKCA	DULUX LED
PDF	Declarations of conformity UKCA	DULUX LED
PDF	Declarations of conformity UKCA	LEDTUBE

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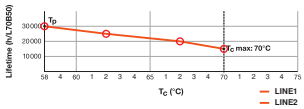
	Photometric and lighting design files	Document name
	IES file (IES)	DULUXDE13LED 6W840230VHFG24Q-1
	LDT file (Eulumdat)	DULUXDE13LED 6W840230VHFG24Q-1
	Light distribution curve type polar	DULUXDE13LED 6W840230VHFG24Q-1
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075559103	Folding box 1	37 mm x 49 mm x 137 mm	71.00 g	0.25 dm^3
4058075559110	Shipping box 10	203 mm x 110 mm x 151 mm	801.00 g	3.37 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.

ADDITIONAL CATALOG INFORMATION



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