PRODUCT DATASHEET
DULUX D LED EM & AC Mains 18 7 W/3000K G24d-2

OSRAM DULUX D LED EM & AC MAINS | LED replacement for CFLni, 2 tubes, with 2-pin G24d base for CCG and AC mains operation

AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+35 °C
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- 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
- Type of protection: IP20
- Rotatable base around its longitudinal axis (± 90°)
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in G24d base

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TECHNICAL DATA

Electrical data

Rated wattage	7.00 W
Nominal wattage	7.00 W
Nominal voltage	220...240 V
Max. lamp no. on circuit break. 10 A (B)	70
Max. lamp no. on circuit break. B10 A - CCG without compensation	70
Max. lamp no. on circuit break. B10 A - CCG with compensation	70
Max. lamp no. on circuit break. B16 A - CCG without compensation	40
Max. lamp no. on circuit break. B16 A - CCG with compensation	40
Max. lamp no. on circuit break. 16 A (B)	40
Operating frequency	50/60 Hz
Inrush current	10.0 A
Power factor λ	> 0.50

Photometrical data

Nominal luminous flux	640 lm
Rated luminous flux	640 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Luminous flux	640 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤6 sdcm
Rated color temperature	3000 K
Color rendering index Ra	>80

Light technical data

Warm-up time (60 %)	< 0.50 s
Beam angle	120 ° [1)]
Starting time	< 0.5 s

[1)] ZMP_110132

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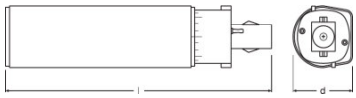
Dimensions & weight



Overall length	148.0 mm
Diameter	35.0 mm
Outer bulb	-
Length	148.0 mm

Temperatures & operating conditions

Ambient temperature range	-20…+35 °C
Maximum temperature at tc test point	67 °C

Lifespan

Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Number of switching cycles	200000
Lumen maintenance at end of service life	0.70

Additional product data

Base (standard designation)	G24d-2
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	frosted
Show WEEE picto	Yes

Capabilities

Dimmable	No

Certificates & standards

Photobiological safety group EN62778	RG1
Energy efficiency class	A+
Energy consumption	7 kWh/1000h

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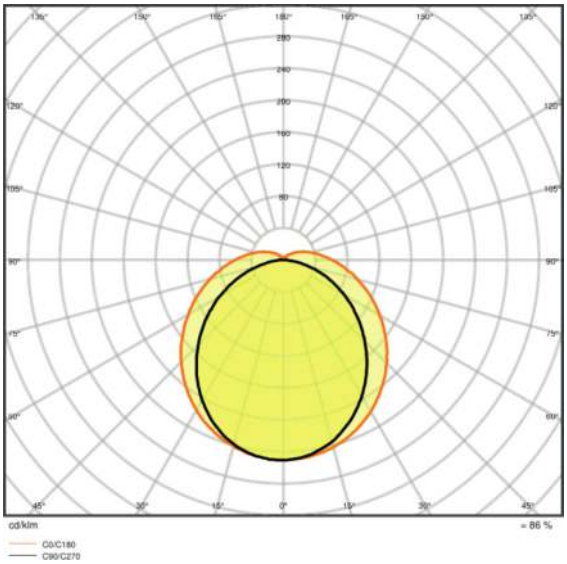
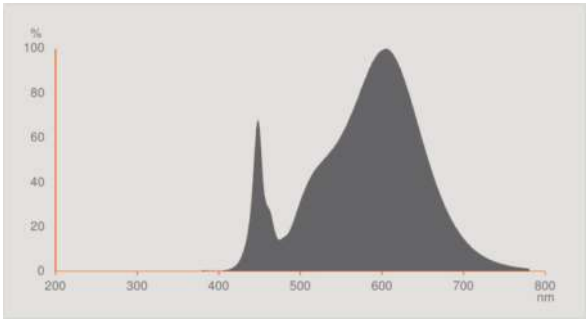
Country-specific categorizations

Order reference	DULUX D18LED 7W

Light Distribution



LDC typ polar



Spectral power distribution

SAFETY ADVICE

Only suitable for temperatures of up to 35°C inside of the luminaire.
Not suitable for tandem operation.
Tc point is located below the LED module on the back side of the lamp.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075024915	Folding carton box 1	37 mm x 37 mm x 151 mm	78.00 g	0.21 dm³
4058075024922	Shipping carton box 10	193 mm x 82 mm x 165 mm	829.00 g	2.61 dm³

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.

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