PRODUCT DATASHEET
DULUX D LED EM 18 7 W/4000K G24d-2

OSRAM DULUX D LED EM | 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

– LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
– Quick, simple and safe replacement without rewiring
– Rotatable base around its longitudinal axis (± 90°)
– Low energy consumption
– Easy relamping thanks to compact design

PRODUCT FEATURES

– Type of protection: IP20
– Lifetime: up to 30,000 h
– Single-ended two-pin plug-in G24d base

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)	195
Max. lamp no. on circuit break. B10 A - CCG without compensation	195
Max. lamp no. on circuit break. B10 A - CCG with compensation	195
Max. lamp no. on circuit break. B16 A - CCG without compensation	315
Max. lamp no. on circuit break. B16 A - CCG with compensation	315
Max. lamp no. on circuit break. 16 A (B)	315
Operating frequency	50...60 Hz
Power factor λ	> 0.90

Photometrical data

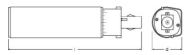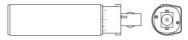|	
Nominal luminous flux	700 lm
Rated luminous flux	700 lm
Rated color temperature	4000 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	700 lm
Color rendering index Ra	>83
Standard deviation of color matching	≤6 sdcm
Color rendering index Ra	>83

Light technical data

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

Dimensions & weight

Overall length	147.5 mm
Diameter	35.0 mm
Outer bulb	-
Length	147.5 mm

Temperatures & operating conditions

Ambient temperature range	-20...+35 °C
Maximum temperature at tc test point	80 °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	8 kWh/1000h

Country-specific categorizations

Order reference	DULUX D18LED 7W

Light Distribution

— Spectral power distribution

SAFETY ADVICE

Only suitable for temperatures of up to 35°C inside of the luminaire.
Not suitable for tandem operation.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075024939	Folding carton box 1	37 mm x 37 mm x 151 mm	78.00 g	0.21 dm³
4058075024946	Shipping carton box 10	205 mm x 91 mm x 180 mm	842.00 g	3.36 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.