

PRODUCT DATASHEET

DULUX LED D18 EM & AC MAINS V 7W 840 G24D-2

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



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- 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 CCG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Rotatable base around its longitudinal axis ($\pm 90^\circ$)
- Single-ended two-pin plug-in G24d base
- Type of protection: IP20
- Mercury-free lamps



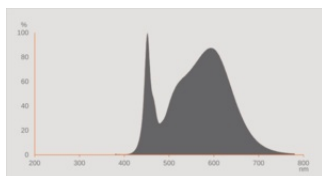
TECHNICAL DATA

Electrical data

Nominal wattage	7 W
Construction wattage	7.00 W
Nominal voltage	220...240 V
Operating mode	CCG, AC Mains
Claimed equiv. conventional lamp power	18 W
Nominal current	32 mA
Type of current	AC
Inrush current	6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	40
Max. lamp no. on circuit break. B10 A - CCG without compensation [PIM]	83
Max. lamp no. on circuit break. B10 A - CCG with compensation [PIM]	27
Max. lamp no. on circuit break. 16 A (B)	41
Max. lamp no. on circuit break. B16 A - CCG without compensation [PIM]	125
Max. lamp no. on circuit break. B16 A - CCG with compensation [PIM]	33
Total harmonic distortion	≤ 30 %
Power factor λ	> 0,90

Photometrical data

Luminous flux	770 lm
Nominal useful luminous flux 90°	770 lm
Luminous efficacy	110 lm/W
Lumen main.fact.at end of nom.li	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
Valoare pălpăire Pst LM	1.0
Valoare efect stroboscopic SVM	0.4



Light technical data

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

Dimensions & Weight



Construction length [PICOS]	148.00 mm
Diameter	35,00 mm
Tube diameter	27,0 mm
Maximum diameter	35 mm
Product weight	54,00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	75 °C

Lifespan

Lifespan L70/B50 at 25 °C	30000 h
Number of switching cycles	200000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,	≥ 0.90

Additional product data

Base (standard designation)	G24d-2
Lamp mercury content	0.0 mg

Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	E ¹⁾
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobio. safety group a 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 D18 E
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Date privind reglementarea etichetării energetice (EU 2019/2015)










Tehnologia de iluminat utilizată	LED
Nedirecțională sau direcțională	NDLS
Cu alimentare de la rețea sau nealimentată de la rețea	MLS
Tipul de soclu al sursei de lumină (sau altă interfață electrică)	G24d-2
Sursă de lumină conectată (SLC)	No
Sursă de lumină cu posibilitatea de reglare a culorilor	No
Anvelopă	No
Surse de lumină cu lăminanță mare	No
Protecție antireflexie	No
Tip de temperatură de culoare corelată	SINGLE_VALUE
Declarație de putere echivalentă	No
Length	148,00 mm
Height (incl. cylin. luminaires) [calc.]	35.00 mm
Width (incl. round luminaires) [Calc.]	35.00 mm
Coordonata X a diagramei cromatica a culorilor	0.381
Coordonata Y a diagramei cromatica a culorilor	0.379

Valoarea indicelui de redare a culorilor R9	0.00
Correspondență unghi fascicul	SPHERE_360
Factorul de supraviețuire	0.90
Factorul de defazaj	0.90
Sursa de lumină LED care înlocuiește o lumină fluorescentă	No
EPREL ID	1404749
Model number	AC46417

Safety advice

- Not suitable for tandem operation.
- The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure Tc max temperature on the product prior to installation.

DOWNLOAD DATA

Documents and certificates	
	User instruction
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075823150	Folding box 1	37 mm x 37 mm x 151 mm	67.00 g	0.21 dm ³
4058075823167	Shipping box 10	193 mm x 82 mm x 165 mm	729.00 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.