

PRODUCT DATASHEET DULUX LED T26 EM & AC MAINS V 9W 840 GX24D-3

DULUX LED T EM & AC MAINS V | LED replacement for CFLni with 2-pin GX24d base for CCG and AC mains operation



Areas of application

- General illumination within ambient temperatures from -20...+45 $^{\circ}\text{C}$
- 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 (± 90°)
- Single-ended two-pin plug-in GX24d base
- Type of protection: IP20
- Mercury-free lamps



840 GX24D-3



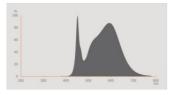
TECHNICAL DATA

Electrical data

Nominal wattage	9 W
Construction wattage	9.00 W
Nominal voltage	220240 V
Operating mode	CCG, AC Mains
Claimed equiv. conventional lamp power	26 W
Nominal current	43 mA
Type of current	AC
Inrush current	8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	45
Max. lamp number on MCB B10 A - CCG without compensation	73
Max. lamp number on MCB B10 A - CCG with compensation	25
Max. lamp number on MCB B16 A	42
Max. lamp number on MCB B16 A - CCG without compensation	110
Max. lamp number on MCB B16 A - CCG with compensation	31
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

Photometrical data

Luminous flux	1100 lm
Nominal useful luminous flux 90°	1100 lm
Luminous efficacy	122 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
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 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	147.00 mm
Diameter	38.00 mm
Tube diameter	38 mm
Maximum diameter	38 mm
Product weight	76.00 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 service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	GX24d-3
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	9.00 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 T26 E
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)	GX24d-3
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
Claim of equivalent power	No
Length	147.00 mm
Height	38.00 mm
Width	38.00 mm

0.381
0.379
0.00
SPHERE_360
0.90
0.90
No
1404763
AC46425

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	Document name
PDF	User Instruction	DULUX LED T EM VALUE
PDF	Declarations of conformity	DULUX LED
PDF	Declarations Of Conformity UKCA	DULUX LED

Photometric and lighting design files	Document name
IES file (IES)	DULUX LED T26 EM V 9W 840 GX24d-3 LEDV
LDT file (Eulumdat)	DULUX LED T26 EM V 9W 840 GX24d-3 LEDV
UGR file (UGR table)	DULUX LED T26 EM V 9W 840 GX24d-3 LEDV
LDC typ cone	DULUX LED T26 EM V 9W 840 GX24d-3 LEDV
LDC typ polar	DULUX LED T26 EM V 9W 840 GX24d-3 LEDV
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
4058075823310	Folding box 1	41 mm x 41 mm x 152 mm	96.00 g	0.26 dm ³
4058075823327	Shipping box 10	213 mm x 90 mm x 166 mm	1033.00 g	3.18 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.