

PRODUCT DATASHEET

DULUX LED S/E7 AC MAINS VALUE 3.5W 830 2G7

DULUX LED S/E AC MAINS VALUE | LED replacement for CFLni with 4-pin 2G7 base for AC mains operation



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Offices, public buildings
- Shops
- Hotels, restaurants
- Walkways and corridors

Product benefits

- Operation directly on 230 V AC mains possible
- Not suitable for operation with conventional control gear (CCG)
- Not suitable for operation with electronic control gear (ECG)
- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design

Product features

- LED replacement for conventional compact fluorescent lamps for use on AC mains
- Lifetime up to 30,000 h
- Single-ended four-pin plug-in 2G7 base
- Type of protection: IP20
- Mercury-free lamps



TECHNICAL DATA

Electrical data

Nominal wattage	3.5 W
Construction wattage	3.50 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	7 W
Nominal current	16 mA
Type of current	AC
Inrush current	11.2 A
Suitable for DC input	Yes
Input voltage DC	186...270 V ¹⁾
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	53
Max. lamp number on MCB B16 A	67
Total harmonic distortion	≤ 20 %
Power factor λ	> 0.90

¹⁾ Permitted voltage range

Photometrical data

Luminous flux	360 lm
Luminous efficacy	103 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.90
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF
LEDr 3000K

Light technical data

Beam angle	130 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	120.00 mm
Product weight	34.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C ¹⁾
Maximum temperature at tc test point	82 °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	0.96
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	2G7
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Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted
Product remark	Available from December 2025

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	4.00 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 S/E7
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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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)	2G7
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	120.00 mm
Height	20.8 mm

Width	32 mm
Chromaticity coordinate x	0.434
Chromaticity coordinate y	0.403
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	2416880
Model number	AC85409

Safety advice

- Not suitable for operation with conventional control gear.
- Not suitable for operation with electronic 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.
- Lamp not suitable for emergency operation.
- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	DULUX LED SE
	Extended installation guide	LEDVANCE Luminaire conversion checklist
	Declarations of conformity	CE DULUX LED SE
	Declarations of conformity UKCA	UKCA DULUX LED SE
Photometric and lighting design files		Document name
	IES file (IES)	DULUX LED S E7 AC V 3.5W 830 2G7 LEDV
	LDT file (Eulumdat)	DULUX LED S E7 AC V 3.5W 830 2G7 LEDV

Photometric and lighting design files		Document name
	UGR file (UGR table)	DULUX LED S E7 AC V 3.5W 830 2G7 LEDV
	Light distribution curve type cone	DULUX LED S E7 AC V 3.5W 830 2G7 LEDV
	Light distribution curve type polar	DULUX LED S E7 AC V 3.5W 830 2G7 LEDV
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 3000K
Tender texts		Document name
	Tender documents	DULUX LED S E AC MAINS VALUE 3.5W 830 2G7-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854669811	Folding box 1	24 mm x 40 mm x 125 mm	43.00 g	0.12 dm ³
4099854669828	Shipping box 10	131 mm x 89 mm x 139 mm	490.00 g	1.62 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.

References / Links

– For Guarantee see www.ledvance.com/guarantee

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