PRODUCT DATASHEET
DULUX LED S9 EM & AC MAINS VALUE 4W 830 G23

DULUX LED S EM & AC MAINS VALUE | LED replacement for short CFLni with 2-pin G23 base for CCG and AC mains operation



VALUE CLASS

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
- 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
- Single-ended two-pin plug-in G23 base
- Type of protection: IP20



TECHNICAL DATA

Electrical data

Nominal wattage	4 W
Construction wattage	4.00 W
Nominal voltage	220…240 V
Operating mode	CCG, AC Mains
Claimed equiv. conventional lamp power	9 W
Nominal current	19 mA
Type of current	AC
Inrush current	13 A
Suitable for DC input	Yes
Input voltage DC	186…260 V [1)]
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	46
Max. lamp number on MCB B10 A - CCG without compensation	211
Max. lamp number on MCB B10 A - CCG with compensation	12
Max. lamp number on MCB B16 A	57
Max. lamp number on MCB B16 A - CCG without compensation	272
Max. lamp number on MCB B16 A - CCG with compensation	15
Total harmonic distortion	≤ 30 %
Power factor λ	> 0.90

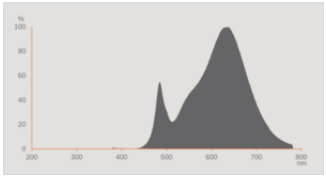
1) Permitted voltage range

Photometrical data

Luminous flux	500 lm
Nominal useful luminous flux 90°	500 lm
Luminous efficacy	125 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.90

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Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

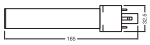


EPREL data spectral diagram PROF LEDr 3000K

Light technical data

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

Dimensions & Weight



Overall length	165.00 mm
Diameter	32.30 mm
Tube diameter	26,0 mm
Maximum diameter	33 mm
Product weight	40.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C [1)]
Maximum temperature at tc test point	78 °C

1) Temperature surrounding the lamp - for enclosed luminaires: temperature inside of the luminaire

Lifespan

Lifespan L70/B50 at 25 °C	30000 h

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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)	G23
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	E [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 S9 EM

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)	G23
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No

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Correlated colour temperature type	SINGLE_VALUE
Standby power	0 W
Claim of equivalent power	No
Length	165.00 mm
Height	32.30 mm
Width	32.30 mm
Chromaticity coordinate x	0.433
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	1404756,2206848,2324417
Model number	AC46408,AC71130,AC81522

Safety advice

- 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 temperature on the product prior to installation.
- All electrical connections must be made by a qualified person.
- Do not touch the lamp with bare fingers.
- Must not be used if outer bulb is defective.
- Lamp not suitable for emergency operation.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	DULUX LED S EM V
PDF	Extended installation guide	Installation instructions LED TUBE T8, T5 und DULUX LED 2026 10 EN
PDF	Extended installation guide	LEDVANCE Luminaire conversion checklist
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	DULUX LED
PDF	Declarations of conformity	LEDTUBE

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	Documents and certificates	Document name
PDF	Declarations of conformity UKCA	DULUX LED
PDF	Declarations of conformity UKCA	LEDTUBE
PDF	Certificates	DULUX LED S9 EM V 4W
PDF	Certificates	DULUX LED S9 EM V 4W
PDF	Certificates	DULUX LED S9 EM V 4W

	Photometric and lighting design files	Document name
IES	IES file (IES)	DULUX LED S9 EM V 4W 830 G23 LEDV
LDT	LDT file (Eulumdat)	DULUX LED S9 EM V 4W 830 G23 LEDV
	UGR file (UGR table)	DULUX LED S9 EM V 4W 830 G23 LEDV
	Light distribution curve type cone	DULUX LED S9 EM V 4W 830 G23 LEDV
	Light distribution curve type polar	DULUX LED S9 EM V 4W 830 G23 LEDV
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 3000K

	Tender texts	Document name
TXT	Tender documents	DULUX LED S EM AC MAINS VALUE 4W 830 G23-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075822979	Folding box 1	24 mm x 35 mm x 171 mm	52.00 g	0.14 dm^3
4058075822986	Shipping box 10	128 mm x 79 mm x 182 mm	649.00 g	1.84 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.

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DISCLAIMER

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