

# PRODUCT DATASHEET

## DULUX S LED EM 4.5 W/3000K

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



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### AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45 °C
- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

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### PRODUCT BENEFITS

- Quick, simple and safe replacement without rewiring
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

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### PRODUCT FEATURES

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Type of protection: IP20
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in G23 base



## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	4.50 W
<b>Nominal wattage</b>	4.50 W
<b>Nominal voltage</b>	220...240 V
<b>Max. lamp no. on circuit break. 10 A (B)</b>	120
<b>Max. lamp no. on circuit break. 16 A (B)</b>	192
<b>Operating frequency</b>	50...60 Hz
<b>Power factor <math>\lambda</math></b>	> 0.50

### Photometrical data

<b>Nominal luminous flux</b>	450 lm
<b>Rated luminous flux</b>	450 lm
<b>Lumen main.fact.at end of nom.life time</b>	0.70
<b>Light color (designation)</b>	Warm White
<b>Color temperature</b>	3000 K
<b>Luminous flux</b>	450 lm
<b>Color rendering index Ra</b>	>80
<b>Standard deviation of color matching</b>	$\leq 6$ sdc <sub>m</sub>
<b>Rated color temperature</b>	3000 K
<b>Color rendering index Ra</b>	>80

### Light technical data

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

### Dimensions & weight



<b>Overall length</b>	166.0 mm
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<b>Diameter</b>	33.0 mm
<b>Outer bulb</b>	-
<b>Length</b>	166.0 mm

#### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+45 °C
<b>Maximum temperature at tc test point</b>	60 °C

#### Lifespan

<b>Nominal lamp life time</b>	30000 h
<b>Rated lamp life time</b>	30000 h
<b>Number of switching cycles</b>	200000
<b>Lumen maintenance at end of service life</b>	0.70

#### Additional product data

<b>Base (standard designation)</b>	G23
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Design / version</b>	frosted
<b>Show WEEE picto</b>	Yes

#### Capabilities

<b>Dimmable</b>	No
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#### Certificates & standards

<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	5 kWh/1000h

#### Country-specific categorizations

<b>Order reference</b>	DULUX S9LED 4,5
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#### SAFETY ADVICE

Not suitable for tandem operation.

Only suitable for temperatures of up to 45°C inside of the luminaire.

Tc point is located below the LED module on the back side of the lamp.

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075135284	Folding carton box 1	24 mm x 36 mm x 175 mm	67.00 g	0.15 dm <sup>3</sup>

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4058075135291	Shipping carton box 10	195 mm x 190 mm x 72 mm	655.00 g	2.67 dm <sup>3</sup>
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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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.