

## PRODUCT DATASHEET

### DULUX S LED EM 4.5 W/4000 K 200 mm

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



#### Areas of application

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



## TECHNICAL DATA

### Electrical data

Nominal wattage	4.5 W
Construction wattage	4.50 W
Nominal voltage	220...240 V
Operating mode	Conventional control gear (CCG), AC
Claimed equiv. conventional lamp power	9 W
Nominal current	21 mA
Type of current	AC
Inrush current	20 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	300
Max. lamp no. on circuit break. 16 A (B)	500
Total harmonic distortion	< 30 %
Power factor $\lambda$	> 0.90

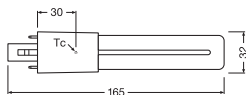
### Photometrical data

Luminous flux	500 lm
Nominal useful luminous flux 90°	500 lm
Luminous efficacy	111 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 sdc <sub>m</sub>

### Light technical data

Beam angle	140 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight



Overall length	165.00 mm
Diameter	32.00 mm
Maximum diameter	32 mm
Product weight	39.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	73 °C

### Lifespan

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
Design / version	Frosted

### Capabilities

Dimmable	No
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### Certificates & Standards

Energy efficiency class	E
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

### Country-specific categorizations

Order reference	RL-S9 4,5W/840
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**Energy labelling regulation data acc EU 2019/2015**

Light source cap-type (or other electric interface)	G23
Correlated colour temperature type	SINGLE_VALUE
Length	165.00 mm
Height	32.00 mm
Width	32.00 mm
EPREL ID	604657

**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 max temperature on the product prior to installation.

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597205613	Folding box 1	35 mm x 21 mm x 171 mm	64.00 g	0.13 dm <sup>3</sup>
4008597605611	Shipping box 10	114 mm x 79 mm x 182 mm	712.00 g	1.64 dm <sup>3</sup>

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.