

# Product family datasheet

## OSRAM DULUX S LED EM

### Special LED lamps



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

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



## Product family datasheet

### Technical data

Product description	Electrical data						
	Rated wattage	Nominal wattage	Nominal voltage	Operating frequency	Claimed equiv. conventional lamp power	Nominal current	Max. lamp no. on circuit break. 16 A (B)
DULUX S LED EM 4.5 W/830 G23 <sup>1)</sup>	4.50 W	4.50 W	220...240 V	50...60 Hz	9 W	0.04 A	192
DULUX S LED EM 4.5 W/840 G23 <sup>1)</sup>	4.50 W	4.50 W	220...240 V	50...60 Hz	9 W	0.04 A	192
DULUX S LED EM 6 W/830 G23 <sup>1)</sup>	6.00 W	6.00 W	220...240 V	50...60 Hz	11 W	0.05 A	120

Product description	Max. lamp no. on circuit break. 10 A (B)	Photometrical data					
		Nominal luminous flux	Rated luminous flux	Rated color temperature	Color rendering index Ra	Light color (designation)	Color temperature
DULUX S LED EM 4.5 W/830 G23 <sup>1)</sup>	120	450 lm	450 lm	3000 K	>80	Warm White	3000 K
DULUX S LED EM 4.5 W/840 G23 <sup>1)</sup>	120	500 lm	500 lm	4000 K	>80	Cool White	4000 K
DULUX S LED EM 6 W/830 G23 <sup>1)</sup>	75	630 lm	630 lm	3000 K	>80	Warm White	3000 K

Product description	Lumen main.fact.at end of nom.life time	Standard deviation of color matching	Light technical data		Dimensions & weight		
			Beam angle	Starting time	Overall length	Diameter	Outer bulb
DULUX S LED EM 4.5 W/830 G23 <sup>1)</sup>	0.70	≤6 sdcn	120 °	< 0.5 s	166.0 mm	33.0 mm	-
DULUX S LED EM 4.5 W/840 G23 <sup>1)</sup>	0.70	≤6 sdcn	120 °	< 0.5 s	166.0 mm	33.0 mm	-
DULUX S LED EM 6 W/830 G23 <sup>1)</sup>	0.70	≤6 sdcn	120 °	< 0.5 s	237.0 mm	33.0 mm	-

Product description	Length	Product weight	Temperatures & operating conditions		Lifespan			
			Ambient temperature range		Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen maintenance at end of service life
DULUX S LED EM 4.5 W/830 G23 <sup>1)</sup>	166.0 mm	42.00 g	-20...+45 °C		30000 h	30000 h	200000	0.70
DULUX S LED EM 4.5 W/840 G23 <sup>1)</sup>	166.0 mm	42.00 g	-20...+45 °C		30000 h	30000 h	200000	0.70

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Product description	Length	Product weight	Temperatures & operating conditions	Lifespan			
			Ambient temperature range	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen maintenance at end of service life
DULUX S LED EM 6 W/830 G23 <sup>1)</sup>	237.0 mm	55.00 g	-20...+45 °C	30000 h	30000 h	200000	0.70

  

Product description	Additional product data		Capabilities	Certificates & standards			Country specific categorizations
	Base (standard designation)	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	Type of protection	Order reference
DULUX S LED EM 4.5 W/830 G23 <sup>1)</sup>	G23	Yes	No	A+	5 kWh/1000h	IP20	DULUX S9LED 4,5
DULUX S LED EM 4.5 W/840 G23 <sup>1)</sup>	G23	Yes	No	A+	5 kWh/1000h	IP20	DULUX S9LED 4,5
DULUX S LED EM 6 W/830 G23 <sup>1)</sup>	G23	Yes	No	A+	6 kWh/1000h	IP20	DULUX S11LED 6W

<sup>1)</sup> All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

### Application advice

For more detailed application information and graphics please see product datasheet.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075135284	DULUX S LED EM 4.5 W/830 G23	Shipping carton box 10	195 mm x 190 mm x 72 mm	2.67 dm <sup>3</sup>	753.00 g
4058075135307	DULUX S LED EM 4.5 W/840 G23	Shipping carton box 10	205 mm x 195 mm x 75 mm	3.00 dm <sup>3</sup>	753.00 g

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### Logistical Data

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4058075135321	DULUX S LED EM 6 W/830 G23	Shipping carton box 10	195 mm x 190 mm x 72 mm	2.67 dm <sup>3</sup>	934.00 g
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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.

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