

# PRODUCT DATASHEET

## LED Classic A 40 S 4.9W 927 Frosted E27

LED CLASSIC LAMPS FROSTED S | LED lamps with CRI 97, A B P types



### Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding color rendering of CRI=97
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain
- Very low energy consumption
- Instant 100 % light, no warm-up time
- Low flickering

### Product features

- LED lamps for line voltage
- Color rendering index Ra: 97



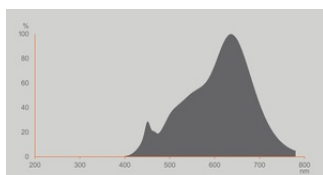
## TECHNICAL DATA

### Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	45 mA
Type of current	AC
Inrush current	3 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	177
Max. lamp no. on circuit break. 16 A (B)	284

### Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	97
Light color	927
Standard deviation of color matching	≤6 sdc <sub>m</sub>
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



**Light technical data**

Beam angle	180 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

**Dimensions & Weight**

Overall length	107.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	24.00 g

**Temperatures & operating conditions**

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	80 °C

**Lifespan**

Lifespan L70/B50 at 25 °C	30000 h
Number of switching cycles	100000
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)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted
Product remark	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

**Capabilities**

Dimmable	No
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**Certificates & Standards**

Energy efficiency class	F 1)
Energy consumption	5.00 kWh/1000h
Type of protection	IP20

Standards	CE / LVD / EMC / SLR / ROHS / REACH
Photobiological safety group acc. to EN62778	RG0

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

### Country-specific categorizations

Order reference	LED CLA40 4.9W
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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)	E27
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	0.00 W
Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes
Length	107.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	1351533
Model number	AC45032

## DOWNLOAD DATA

## Documents and certificates



Declarations Of Conformity CE

## Photometric and lighting design files



Spectral power distribution

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854075407	Folding box 1	62 mm x 62 mm x 117 mm	33.00 g	0.45 dm <sup>3</sup>
4099854075414	Shipping box 10	319 mm x 133 mm x 133 mm	467.00 g	5.64 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.