PRODUCT DATASHEET
CLAS B 2.8W 927 FR E14

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

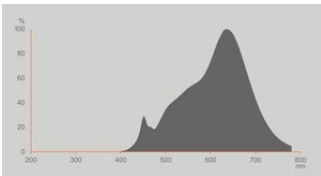– LED lamps for line voltage
– Color rendering index Ra: 97

A↑G   **F**

TECHNICAL DATA

Electrical data

Nominal wattage	2.8 W
Construction wattage	2.80 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	25 W
Nominal current	27 mA
Type of current	AC
Inrush current	2.48 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	296
Max. lamp no. on circuit break. 16 A (B)	474

Photometrical data

Luminous flux	245 lm
Nominal useful luminous flux 90°	245 lm
Luminous efficacy	87 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 sdcm
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	200 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	200.00 °

Dimensions & Weight

Overall length	96.00 mm
Diameter	37.00 mm
Maximum diameter	37 mm
Product weight	17.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	76 °C

Lifespan

Lifespan	30000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.96
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	E14
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

Certificates & Standards

Energy efficiency class	F [1]
Energy consumption	3.00 kWh/1000h

Type of protection	IP20
Standards	CE / LVD / EMC / SLR / ROHS / REACH
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	LED CLB25 2.8W

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)	E14
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	96.00 mm
Height	37.00 mm
Width	37.00 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
Displacement factor	N/A
LED light source replaces a fluorescent light source	No
EPREL ID	1351535

Model number	AC45034

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	Declarations Of Conformity CE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854075445	Folding box 1	38 mm x 38 mm x 108 mm	25.00 g	0.16 dm³
4099854075452	Shipping box 10	198 mm x 84 mm x 119 mm	311.00 g	1.98 dm³

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.