

PRODUCT DATASHEET

CLAS P 40 DIM CRI97 S 4.2W 927 FIL CL E27

LED CLASSIC P DIM CRI97 S | Dimmable LED lamps, classic mini bulb shape, CRI97



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product benefits

- Lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to a halogen lamp
- Very low energy consumption
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- High CRI & R9 for a natural lighting experience
- Dimmable
- LED lamps for line voltage
- Beam angle: up to 300°
- Lifetime: up to 15,000 h
- Very high number of switching cycles: up to 100,000



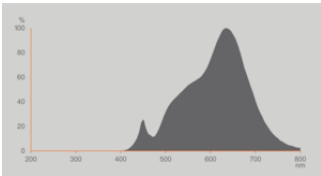
TECHNICAL DATA

Electrical data

Nominal wattage	4.2 W
Construction wattage	4.20 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	25 mA
Type of current	AC
Inrush current	0.22 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	1200
Max. lamp no. on circuit break. 16 A (B)	1920
Total harmonic distortion	84 %
Power factor λ	≥ 0.40

Photometrical data

Luminous flux	470 lm
Luminous efficacy	111 lm/W
Lumen main.fact.at end of nom.life time	0.93
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	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	300.00 °

Dimensions & Weight



Overall length	77.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	15.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	65 °C

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.93
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	Clear
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	Yes
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Certificates & Standards

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

Country-specific categorizations

Order reference	LEDCLP40DIM 4.2
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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	not applicable
Networked standby power for CLS	not applicable
Claim of equivalent power	Yes
Length	77.00 mm
Height	45.00 mm
Width	45.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.90

Displacement factor	≥0.4
LED light source replaces a fluorescent light source	No
EPREL ID	1397883
Model number	AC46555

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
4099854077968	Folding box 1	46 mm x 46 mm x 93 mm	25.00 g	0.20 dm ³
4099854077975	Shipping box 10	240 mm x 101 mm x 108 mm	308.00 g	2.62 dm ³

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.