

PRODUCT DATASHEET LED Classic P 25 Filament Energy efficiency class A 1.2W 840 Frosted E27

LED CLASSIC P ENERGY EFFICIENCY A | LED lamps, classic mini-bulb shape, ENERGY EFFICIENCY CLASS A



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

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

Product features

- LED lamps for line voltage
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles 500,000
- Luminous efficacy: up to 210 lm/W





TECHNICAL DATA

Electrical data

Nominal wattage	1.2 W
Construction wattage	1.20 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	25 W
Nominal current	14 mA
Type of current	AC
Inrush current	1.18 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	63
Max. lamp number on MCB B16 A	93
Total harmonic distortion	110 %
Power factor λ	≥ 0.30

Photometrical data

Luminous flux	255 lm
Luminous efficacy	212 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Cool white
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	≤0.4



Spectral graph Classic 4000K

Light technical data

Beam angle	330 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	84.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	21.00 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	50000 h
Number of switching cycles	500000
Lumen maintenance at end of service lifetime	0.96

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
Certificates & Standards	

Energy efficiency class	A 1)
Energy consumption	2.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
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

LOGISTICAL DATA	
Temperature range at storage	-20 ±80 °C

LSSPCLP25 1,2W/

Energy labelling regulation data acc EU 2019/2015

Non-directional or directional 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 O W Networked standby power for CLS Not relevant Claim of equivalent power Length Height 45.00 mm Width Chromaticity coordinate x 0.380 Chromaticity coordinate y R9 Colour rendering index In MLS No E27 No No No No No No No No Anti-glare shield No SINGLE_VALUE Standby power O W Not relevant 45.00 mm	
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Chromaticity coordinate y 0.380	
R9 Colour rendering index 1	
Beam angle correspondence SPHERE_360	

Survival factor	0.90
Displacement factor	≥0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1902994,2185134,2506862
Model number	AC60057,AC70043,AC92542

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	LED lamp
PDF	Declarations of conformity	LED lamps
PDF	Declarations of conformity UKCA	LED lamp
PDF	Declarations of conformity UKCA	LED lamps

Photometric and lighting design files	Document name
Spectral power distribution	Spectral graph Classic 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075839441	Folding box	46 mm x 49 mm x 130 mm	33.00 g	0.29 dm ³
4058075839458	Shipping box	159 mm x 111 mm x 106 mm	289.00 g	1.87 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.