

PRODUCT DATASHEET LED Classic P 40 Filament Energy efficiency class A 2.2W 827 Frosted E14

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





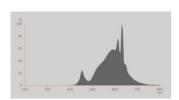
TECHNICAL DATA

Electrical data

Nominal wattage	2.2 W
Construction wattage	2.20 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	20 mA
Type of current	AC
Inrush current	1.44 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	151
Max. lamp number on MCB B16 A	180
Total harmonic distortion	140 %
Power factor λ	≥ 0.40

Photometrical data

Luminous flux	470 lm
Luminous efficacy	213 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	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



EPREL Data Spectral Diagram LEDr _2700K_EELB

Light technical data

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

Dimensions & Weight

Overall length	85.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	16.5 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)	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
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Certificates & Standards

Energy efficiency class	A 1)
Energy consumption	3.00 kWh/1000h

Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LSSPCLP40 2,2W/		
LOGISTICAL DATA			
Temperature range at storage	-20+80 °C		
Energy labelling regulation data acc EU 2019/2015	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 W		
Networked standby power for CLS	Not relevant		
Claim of equivalent power	Yes		
Length	85.00 mm		
Height	45.00 mm		
Width	45.00 mm		
Chromaticity coordinate x	0.463		
Chromaticity coordinate y	0.420		
R9 Colour rendering index	20		
Beam angle correspondence	SPHERE_360		
Survival factor	0.90		
Displacement factor	≥0.5		
LED light source replaces a fluorescent light source	No		
EPREL ID	1867680,2185081		

Model number	AC57854,AC70031

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	EPREL Data Spectral Diagram LEDr _2700K_EELB

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854253829	Folding box 2	46 mm x 95 mm x 130 mm	51.00 g	0.57 dm ³
4099854253836	Shipping box 6	159 mm x 111 mm x 106 mm	228.00 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.