

# PRODUCT DATASHEET LED Classic P 40 Filament Energy efficiency class B S 2.5W 827 Frosted E14

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



#### 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
- Low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

#### **Product features**

- LED lamps for line voltage
- Very high efficiency of up to 188 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles 500,000



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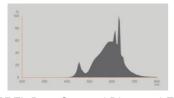
#### **TECHNICAL DATA**

#### Electrical data

Nominal wattage	2.5 W
Construction wattage	2.50 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	4 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	115
Max. lamp number on MCB B16 A	184
Power factor $\lambda$	≥ 0.40

### Photometrical data

Luminous flux	470 lm
Luminous efficacy	188 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
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



EPREL Data Spectral Diagram LEDr \_2700K\_EELB

## Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

#### **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 L70/B50 at 25 °C	50000 h
Number of switching cycles	500000
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)	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	B <sup>1)</sup>
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Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / 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	LEDCLP40 EELB 2

## 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)	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	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	1371392
Model number	AC45271

### DOWNLOAD DATA

	Documents and certificates	Document name	
PDF	Declarations of conformity	LED CLASSIC	
	Photometric and lighting design files	Document name	
1	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
4099854066641	Folding box 1	46 mm x 49 mm x 123 mm	39.00 g	0.28 dm <sup>3</sup>
4099854066658	Shipping box 6	159 mm x 111 mm x 98 mm	352.00 g	1.73 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.