

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

LED CLASSIC B ENERGY EFFICIENCY B S | LED lamps, classic candle 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





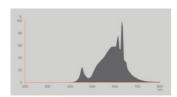
# **TECHNICAL DATA**

# 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	2307
Max. lamp number on MCB B16 A	3692
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	100.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	16.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	60 °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 1)
------------------------------

Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA
Photobiological safety group acc. to EN62778	RG0

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

7 Eliology and all a social at 71 (inglifect animatricy) to a (amout animatricy)			
Country-specific categorizations			
Order reference	LEDCLB40 EELB 2		
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	not applicable		
Networked standby power for CLS	not applicable		
Claim of equivalent power	Yes		

No

R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360

beam angle correspondence	SPHENE_
O i f	0.00

Survival factor	0.90

Displacement factor ≥0.4

LED light source replaces a fluorescent light source

EPREL ID	1371393
Model number	AC45272

# DOWNLOAD DATA

Documents and certificates Document name		Document name
PDF	Declarations of conformity	LED CLASSIC

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
4099854066467	Folding box 1	36 mm x 49 mm x 148 mm	31.00 g	0.26 dm <sup>3</sup>
4099854066474	Shipping box 6	129 mm x 111 mm x 120 mm	241.00 g	1.72 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.