

# PRODUCT DATASHEET LED Star Classic B 25 Filament 2.5W 840 Clear E14

LED Retrofit CLASSIC B | LED lamps, classic mini-candle shape



#### 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 an incandescent or halogen lamp
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Lower thermal output (compared with the standard reference product)
- Can be easily fitted instead of ordinary light bulbs
- Lower energy consumption than incandescent or halogen lamps

#### Product features



Clear E14



- Professional LED lamps for line voltage
- Not dimmable
- Good quality of light; color rendering index  $\rm R_{a}\!\!: \geq 80;$  constant chromaticity
- Lifetime up to 15,000 h
- Lamp made of glass

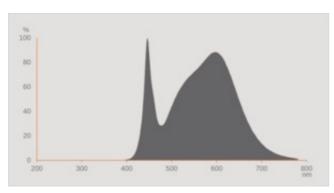
# TECHNICAL DATA

# Electrical data

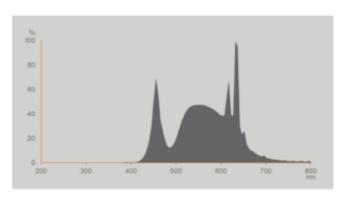
Nominal wattage	2.5 W
Construction wattage	2.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	25 W
Nominal current	19 mA
Type of current	AC
Inrush current	1.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	250
Max. lamp number on MCB B16 A	400
Power factor $\lambda$	> 0.50

#### Photometrical data

Luminous flux	250 lm
Nominal useful luminous flux 90°	250 lm
Luminous efficacy	100 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥80
Light color	840
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







#### A60230V75W9404MDV1E27AC3398301

# 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 to test point	60 °C

# Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70

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	Clear	
Product remark	All technical parameters apply to the entire lamp / Due to the comproduction process for light-emitting diodes, the typical values she for the technical LED parameters are purely statistical values that 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	F 1)	
Energy consumption	3.00 kWh/1000h	
Type of protection	IP20	
Standards	CE / EAC	
Photobiological safety group acc. to EN62778	RG0	
) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G	G (lowest efficiency)	
Order reference	LEDSCLB25 2,5W/	
OGISTICAL 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	
	LED NDLS	
Lighting technology used		
Lighting technology used  Non-directional or directional	NDLS	
Lighting technology used  Non-directional or directional  Mains or non-mains	NDLS MLS	
Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)	NDLS MLS E14	
Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	NDLS MLS E14 No	

Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	o W
Networked standby power for CLS	0 W
Claim of equivalent power	Yes
Length	100.00 mm
Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0.380
Chromaticity coordinate y	0.380
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.40
LED light source replaces a fluorescent light source	No
EPREL ID	1402969,523058
Model number	AC32448,AC17492

# 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 lamps CLA,B,G,P		
	Photometric and lighting design files	Document name		
	Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1		
	Spectral power distribution	A60230V75W9404MDV1E27AC3398301		
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# LOGISTICAL DATA

Clear E14

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075434141	Folding box 1	36 mm x 49 mm x 145 mm	28.00 g	0.26 dm <sup>3</sup>
4058075604285	Shipping box 6	129 mm x 111 mm x 120 mm	223.00 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.