

# PRODUCT DATASHEET LED Star Classic B 25 Filament 2.5W 827 Clear B22d

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





- 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

Clear B22d

## 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)	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 PROF LEDr 2700K

# Light technical data

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

## Dimensions & Weight

Overall length	91.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	20.00 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	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)	B22d
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear

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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 / All technical parameters apply to the entire module
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
Country-specific categorizations  ILCOS	DRBB/C-2,8-827-220/240-B22d-35
Order reference	LEDSCLB25 2,5W/
LOGISTICAL DATA	
Temperature range at storage	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	
Lighting technology used	LED
Lighting technology used  Non-directional or directional	LED NDLS
Non-directional or directional	NDLS
Non-directional or directional  Mains or non-mains	NDLS MLS
Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)	NDLS MLS B22d
Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	NDLS MLS B22d No

No

0 W

0 W

Yes

SINGLE\_VALUE

Correlated colour temperature type

Networked standby power for CLS

Claim of equivalent power

Anti-glare shield

Standby power

Length	91.00 mm
Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
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	1402964,523065
Model number	AC32455,AC17483

## 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 EPREL data spectral diagram PROF LEDr 2700K

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075451636	Folding box	36 mm x 49 mm x 145 mm	32.00 g	0.26 dm <sup>3</sup>
4058075604377	Shipping box	129 mm x 111 mm x 120 mm	246.00 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.

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