

# PRODUCT DATASHEET LED Star Classic BW 25 Filament 2.5W 827 Clear E14

LED Retrofit CLASSIC BW | LED lamps, twisted, classic mini-candle shape



#### Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

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

#### **Product features**

- Professional LED lamps for line voltage





- Not dimmable
- Lamp made of glass
- Good quality of light; color rendering index  $\rm R_{a}\!\!: \geq 80;$  constant chromaticity

827 Clear E14

## 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	100.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	15.00 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)	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 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	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 (lo	owest efficiency)
Country-specific categorizations	
Country-specific categorizations  ILCOS	DRBB/C-2-230-E14-35/99
Country-specific categorizations	
Country-specific categorizations  ILCOS	DRBB/C-2-230-E14-35/99
Country-specific categorizations  ILCOS  Order reference	DRBB/C-2-230-E14-35/99
Country-specific categorizations  ILCOS  Order reference  OGISTICAL DATA	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W
Country-specific categorizations  ILCOS  Order reference  OGISTICAL DATA  Temperature range at storage	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C  LED  NDLS
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C  LED  NDLS  MLS
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C  LED  NDLS  MLS  E14
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C  LED  NDLS  MLS  E14  No
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C  LED  NDLS  MLS  E14  No  No
Country-specific categorizations  ILCOS  Order reference  OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C  LED  NDLS  MLS  E14  No  No  No
Country-specific categorizations  ILCOS  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source	DRBB/C-2-230-E14-35/99  LEDSCLBW25 2,5W  -20+80 °C  LED  NDLS  MLS  E14  No  No  No  No

0 W

Yes

Networked standby power for CLS

Claim of equivalent power

Length	100.00 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	1402962,523079
Model number	AC32461,AC17477

## Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

Spectral power distribution

#### **DOWNLOAD DATA**

	Documents and certificates	Document name
PDF	Declarations of conformity	LED lamps CLA,B,G,P
	Photometric and lighting design files	Document name
	Photometric and lighting design files	Document name

EPREL data spectral diagram PROF LEDr 2700K



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075436565	Folding box 1	36 mm x 49 mm x 145 mm	27.00 g	0.26 dm <sup>3</sup>
4058075604452	Shipping box 6	129 mm x 111 mm x 120 mm	188.00 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.

827 Clear E14

## **DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

827 Clear E14