

# PRODUCT DATASHEET LED Star Classic B 40 4.9W 827 Frosted B22d

LED PCR LAMP WITH CLASSIC B | LED lamps with recycled plastic



#### Areas of application

- Domestic applications
- General illumination
- Chandeliers
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

## **Product features**

- LED alternative to conventional lamps
- Mercury-free lamps



B22d



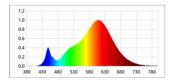
## TECHNICAL DATA

## Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	42 mA
Type of current	AC
Inrush current	4.06 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	147
Max. lamp number on MCB B16 A	185
Total harmonic distortion	134 %
Power factor $\lambda$	0.55

## Photometrical data

Luminous flux	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



## SPECTRAL POWER DISTRIBUTION

# Light technical data

Beam angle	240 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

# Dimensions & Weight

Overall length	99.00 mm
Diameter	37.00 mm
Maximum diameter	37 mm
Product weight	18.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	85 °C

# Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

# Additional product data

Base (standard designation)	B22d
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 / In development, data preliminary
Capabilities	
Dimmable	No
Certificates & Standards	
Energy efficiency class	F 1)
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0
Country-specific categorizations  Order reference	LEDSCLB40 4,9W/
LOGISTICAL DATA	<u>'</u>
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
Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source	NDLS MLS B22d No No
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	NDLS MLS B22d No No No

0.00 W

99.00 mm

37.00 mm

Yes

Standby power

Length

Height

B22d

Claim of equivalent power

Width	37.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.957
LED light source replaces a fluorescent light source	No
EPREL ID	1403057,523319,1351517,2192492
Model number	AC31161,AC45015,AC24795,AC69320

## 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	
POF	Declarations of conformity	Classic A_B_P 15000h FR	

Photometric and lighting design files		Document name	
	Spectral power distribution	SPECTRAL POWER DISTRIBUTION	

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075504240	Folding box 1	36 mm x 49 mm x 137 mm	30.00 g	0.24 dm <sup>3</sup>
4058075588868	Shipping box	129 mm x 111 mm x 112 mm	232.00 g	1.60 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.

## References / Links

B22d

- For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps

- For Guarantee see www.ledvance.com/guarantee

## **DISCLAIMER**

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

B22d