

# PRODUCT DATASHEET LED Star Classic B 60 5.5W 827 Frosted 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

#### **Product features**

- Professional LED lamps for line voltage
- Not dimmable
- Good quality of light; color rendering index  $R_a$ :  $\geq$  80; constant chromaticity





- Lifetime: up to 15,000 h
- Lamp made of glass

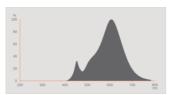
# **TECHNICAL DATA**

# Electrical data

Nominal wattage	5.5 W
Construction wattage	5.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	33 mA
Type of current	AC
Inrush current	0.1 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	840
Max. lamp no. on circuit break. 16 A (B)	1344
Total harmonic distortion	92 %
Power factor $\lambda$	> 0.50

# Photometrical data

Luminous flux	806 lm
Luminous efficacy	146 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
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



# 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	70 °C

# Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93
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	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	D 1)

Energy consumption	6.00 kWh/1000h
Type of protection	IP20
Standards	CE / ERP / RoHS / REACH / UKCA
Photobiological safety group acc. to EN62778	RGO

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

7 Energy emidency class (EEC) on a scale of A (highest emidency) to d (towest emidency)		
Country-specific categorizations		
Order reference	LEDSCLB60 5,5W/	
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)	B22d	
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	
Length	91.00 mm	
Height	35.00 mm	

35.00 mm

Beam angle correspondence SPHERE\_360

Survival factor 0.90

Displacement factor ≥0.5 LED light source replaces a fluorescent light source No

Width

EPREL ID	734525,1361342
Model number	AC36777,AC45229

#### **DOWNLOAD DATA**

	Documents and certificates
PDF	Declarations Of Conformity CE

### Photometric and lighting design files



Spectral power distribution

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075654495	Folding box 1	36 mm x 49 mm x 145 mm	32.00 g	0.26 dm <sup>3</sup>
4058075654501	Shipping box 6	129 mm x 111 mm x 120 mm	240.00 g	1.72 dm³

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.