

PRODUCT DATASHEET LED Star Classic A 100 Filament 11W 840 Frosted B22d

LED Retrofit CLASSIC A | LED lamps, classic bulb 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
- Lower energy consumption than incandescent or halogen lamps
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

Product features

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime up to 15,000 h
- Beam angle: up to 300°
- Lamp made of glass
- Good quality of light; color rendering index Ra; ≥ 80; constant chromaticity



Frosted B22d



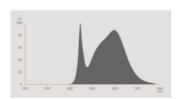
TECHNICAL DATA

Electrical data

Nominal wattage	11 W
Construction wattage	11.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	81 mA
Type of current	AC
Inrush current	4.94 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	15
Max. lamp number on MCB B16 A	24
Total harmonic distortion	120 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	1521 lm	
Luminous efficacy	138 lm/W	
Lumen main.fact.at end of nom.life time	0.93	
Light color (designation)	Cool White	
Color temperature	4000 K	
Color rendering index Ra	80	
Light color	840	
Standard deviation of color matching	≤6 sdcm	
Flickering metric (Pst LM)	≤1.0	
Stroboscope effect metric (SVM)	≤0.4	



LISO spectral power distribution 4000K CRI80 v1

Light technical data

Beam angle	320 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	104.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	35.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	75 °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
Capabilities	
Dimmable	No
Certificates & Standards	
Energy efficiency class	D 1)
Energy consumption	11.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0
OGISTICAL DATA	
Temperature range at storage	
	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	-20+80 °C
Energy labelling regulation data acc EU 2019/2015 Lighting technology used	-20+80 °C
Lighting technology used	LED
Lighting technology used Non-directional or directional	LED NDLS
Lighting technology used Non-directional or directional Mains or non-mains	LED NDLS MLS
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface)	LED NDLS MLS B22d
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	LED NDLS MLS B22d No
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	LED NDLS MLS B22d No
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	LED NDLS MLS B22d No No No
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	LED NDLS MLS B22d No No No No
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 Anti-glare shield	LED NDLS MLS B22d No No No No 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 High luminance light source Anti-glare shield Correlated colour temperature type	LED NDLS MLS B22d No No No No No Single_Value

104.00 mm

60.00 mm

Length

Height

Width	60.00 mm
Chromaticity coordinate x	0.3818
Chromaticity coordinate y	0.3797
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	>0.5
LED light source replaces a fluorescent light source	No
EPREL ID	523268,1151045,2182589
Model number	AC32501,AC41126,AC70093

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 lamp CL A/B/P FIL	
PDF	Declarations of conformity	LED lamps CLA,B,G,P	
PDF	Declarations of conformity	LED lamps	
PDF	Declarations of conformity UKCA	LED lamps	

Photometric and lighting design files	Document name
Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075592797	Folding box 1	60 mm x 60 mm x 145 mm	50.00 g	0.52 dm ³
4058075592803	Shipping box 6	202 mm x 134 mm x 120 mm	360.00 g	3.25 dm ³

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.