

PRODUCT DATASHEET LED Base Classic B 40 4.9W 827 Frosted B22d

LED BASE CLASSIC B | LED lamps, classic mini-candle shape



Areas of application

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

Product benefits

- Lower thermal output (compared with the standard reference product)
- Lower energy consumption than incandescent or halogen lamps
- Shockproof and vibration-proof thanks to LED technology
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement for conventional incandescent lamps

Product features

- Professional LED lamps for line voltage





- Not suitable for use with dimmers
- Good color rendering CRI \geq 80 and color stability throughout the life of the lamp
- Base: E14, B22d
- Mercury-free lamps

B22d

TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	36 mA
Type of current	AC
Inrush current	10 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	210
Max. lamp number on MCB B16 A	320
Total harmonic distortion	125 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	95 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)	0.9



349927_2700K_Evl_5630.eps

Light technical data

Beam angle	200 °
Warm-up time (60 %)	0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	100.00 mm
Diameter	37.00 mm
Maximum diameter	37 mm
Product weight	21.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	78 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 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	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	F 1)	
Energy consumption	5.00 kWh/1000h	
Type of protection	IP20	
Standards	ROHS 2.0 / REACH / CE / CB / ERP	
Photobiological safety group acc. to EN62778	RG0	
illooo	BASECLB40 4,9W/	
ILCOS	DRBB/F-5,7-220-240-B22D-35	
Order reference	BASECLB40 4,9W/	
	BASECLB40 4,9W/	
	BASECLB40 4,9W/ -20+80 °C	
OGISTICAL DATA Temperature range at storage		
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OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015	-20+80 °C	
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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	-20+80 °C LED NDLS MLS	
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OGISTICAL DATA Temperature range at storage Inergy 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)	-20+80 °C LED NDLS MLS B22d No	
Color-tuneable light source Congistical 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)	-20+80 °C LED NDLS MLS B22d No No	
Color-tuneable light source Envelope Conglistical 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	-20+80 °C LED NDLS MLS B22d No No No	
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	-20+80 °C LED NDLS MLS B22d No No No No	
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 Anti-glare shield	-20+80 °C LED NDLS MLS B22d No No No No No	

Yes

Claim of equivalent power

Length	100.00 mm
Height	37.00 mm
Width	37.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
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	1403057,523319
Model number	AC31161,AC24795

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	CLASS B,P LED lamp
	Photometric and lighting design files	Document name
<u>~</u>	Spectral power distribution	349927_2700K_Evl_5630.eps

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899961517	Folding box 3	39 mm x 116 mm x 138 mm	82.00 g	0.62 dm ³
4052899961524	Shipping box 30	241 mm x 204 mm x 117 mm	946.00 g	5.75 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.