

PRODUCT DATASHEET

LED Classic B 40 4.9W 827 Frosted E14

BELLALUX® CLB | LED lamps, classic mini-candle shape



Areas of application

- General illumination
- Domestic applications
- Chandeliers
- Outdoor use in outdoor luminaires only (minimum IP65)

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Shockproof and vibration-proof thanks to LED technology
- No UV radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement for conventional incandescent lamps

Product features

- LED lamps for line voltage
- Not suitable for use with dimmers
- Mercury-free lamps



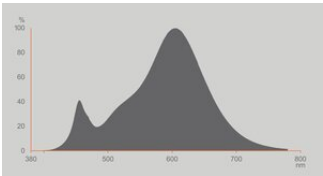
TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	45 mA
Type of current	AC
Inrush current	5.88 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	88
Max. lamp number on MCB B16 A	114
Total harmonic distortion	147.7 %
Power factor λ	0.51

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 sdcn
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL Data Spectral Diagram
LEDr_classic A_B_P_2700K_827

Light technical data

Beam angle	220 °
Warm-up time (60 %)	0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	103.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	16.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °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)	E14
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
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Certificates & Standards

Energy efficiency class	F ¹⁾
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1

¹⁾ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

ILCOS	DRBB/F-5,7-220-240-E14-38/110
Order reference	LEDCLB40 4,9W/8

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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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)	E14
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	0.00 W
Claim of equivalent power	Yes
Length	103.00 mm
Height	35.00 mm
Width	35.00 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	0.921
EPREL ID	1403231,523316,1351514,1838232,2187370
Model number	AC31158

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
	Declarations of conformity	Classic A_B_P 15000h FR
	Declarations of conformity	LED CLASSIC
	Declarations of conformity	CE declaration lamps
	Declarations of conformity UKCA	LED CLASSIC
Photometric and lighting design files		Document name
	IES file (IES)	AC08928_CLB40 5W 220-240V FR E14
	LDT file (Eulumdat)	AC08928_CLB40 5W 220-240V FR E14
	UGR file (UGR table)	LEDCLB40 5W 827 230VFR E14 FS2 BELLX
	Light distribution curve type polar	LEDCLB40 5W 827 230VFR E14 FS4 ARO
	Light distribution curve type polar	LEDPCLB40 5,7W 827 230VFR E14 FS1 OSRAM
	Light distribution curve type polar	LEDCLB40 5W 827 230VFR E14 FS2 BELLX
	Light distribution curve type polar	112613LCLB40 5W 827 230VFR E14 FS2 XAVAX
	Light distribution curve type polar	LEDCLB40 5W 827 230VFR E14 FS2 ARO
	Light distribution curve type polar	LEDCLB40 5,7W 827 230VFR E14 FS1 BELLX

Photometric and lighting design files		Document name
	Spectral power distribution	EPREL Data Spectral Diagram LEDr_classic A_B_P_2700K_827

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075128248	Folding box 1	36 mm x 49 mm x 137 mm	28.00 g	0.24 dm³
4058075128255	Shipping box 10	217 mm x 134 mm x 123 mm	429.00 g	3.58 dm³
4058075589384	Shipping box 6	129 mm x 111 mm x 112 mm	220.00 g	1.60 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.