

PRODUCT DATASHEET LED Classic B 40 Filament Energy efficiency class A S 2.2W 827 Clear E14

LED CLASSIC B ENERGY EFFICIENCY A S | LED lamps, classic candle shape, ENERGY EFFICIENCY CLASS A



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
- Low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- LED lamps for line voltage
- Luminous efficacy: up to 210 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles 500,000



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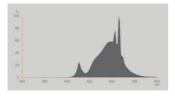
TECHNICAL DATA

Electrical data

Nominal wattage	2.2 W
Construction wattage	2.20 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	20 mA
Type of current	AC
Inrush current	1.44 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	151
Max. lamp number on MCB B16 A	180
Total harmonic distortion	140 %
Power factor λ	> 0.40

Photometrical data

Luminous flux	470 lm
Luminous efficacy	213 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm white
Color temperature	2700 К
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



EPREL Data Spectral Diagram LEDr _2700K_EELB

Light technical data

Beam angle	330 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	101.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	16.5 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	80 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles	500000
Lumen maintenance at end of service lifetime	0.96

Additional product data

Base (standard designation)	E14
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear
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
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Certificates & Standards

Energy efficiency class	A ¹⁾
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Or	der reference	LEDCLB40EELA 2.

LOGISTICAL DATA

Temperature range at storage	-20+80 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology usedLEDNon-directional or directionalNDLSMains or non-mainsMLSLight source cap-type (or other electric interface)E14Connected light source (CLS)NoColor-tuneable light sourceNoColor-tuneable light sourceNoEnvelopeNoAnt-glare shieldNoCorrelated colour temperature typeSINGLE_VALUEStandby powerOVNetworked standby power for CLSNoCalin of equivalent powerYesLieght10.00 mmHeightSi.00 mmWithSi.00 mmKithSi.00 mmKithS		
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Length 101.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.463	Networked standby power for CLS	Not relevant
Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.463	Claim of equivalent power	Yes
Width 35.00 mm Chromaticity coordinate x 0.463	Length	101.00 mm
Chromaticity coordinate x 0.463	Height	35.00 mm
	Width	35.00 mm
Chromaticity coordinate y 0.420	Chromaticity coordinate x	0.463
	Chromaticity coordinate y	0.420

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	1864222,1902964,2185146
Model number	AC57856,AC60046,AC70002

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	
PDF	Declarations of conformity	LED lamps	
PDF	Declarations of conformity UKCA	LED lamp	
PDF	Declarations of conformity UKCA	LED lamps	
	Photometric and lighting design files	Document name	
1	Spectral power distribution	EPREL Data Spectral Diagram LEDr _2700K_EELB	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854255267	Folding box 1	39 mm x 39 mm x 109 mm	25.50 g	0.17 dm ³
4099854255274	Shipping box 10	205 mm x 87 mm x 123 mm	303.00 g	2.19 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.

References / Links

- For dimming conformity see www.ledvance.com/dim
- 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.