

PRODUCT DATASHEET LED Classic B 40 DIM Energy efficiency class B 2.5W 827 Frosted E14

LED CLASSIC B ENERGY EFFICIENCY B DIM | Dimmable LED lamps, classic candle shape, ENERGY EFFICIENCY CLASS B



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product benefits

- Lamps with innovative LED "filament" technology
- Very 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
- Very high efficiency of up to 188 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles 500,000





class B 2.5W 827 Frosted E14

- Dimmable

class B 2.5W 827 Frosted E14

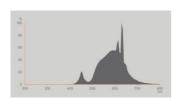
TECHNICAL DATA

Electrical data

	A = 111
Nominal wattage	2.5 W
Construction wattage	2.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	18 mA
Type of current	AC
Inrush current	0.256 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	457
Max. lamp number on MCB B16 A	731
Total harmonic distortion	129.2 %
Power factor λ	≥ 0.50

Photometrical data

Luminous flux	470 lm
Luminous efficacy	188 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	2700 K
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_EELC_Dim

Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	100.00 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	50 °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	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 Yes 17	Dimmable	Yes 1)
-----------------	----------	--------

¹⁾ Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	B 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

Order reference	LSSPCLB40D 2,5W

LOGISTICAL DATA

Temperature range at storage	-20+80 °C
------------------------------	-----------

Energy labelling regulation data acc EU 2019/2015

Non-directional or directionalNDLSMains or non-mainsMLSLight source cap-type (or other electric interface)E14Connected light source (CLS)NoColor-tuneable light sourceNoEnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoCorrelated colour temperature typeSINGLE_VALUEStandby power0 WClaim of equivalent powerYesLength100.00 mmHeight35.00 mmWidth35.00 mmChromaticity coordinate x0.4578Chromaticity coordinate y0.4101R9 Colour rendering index1	Lighting technology used	LED
Light source cap-type (or other electric interface) 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 O W Claim of equivalent power Length Height 35.00 mm Chromaticity coordinate x Chromaticity coordinate y 0.4101	Non-directional or directional	NDLS
Connected light source (CLS) No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SinGLE_VALUE Standby power O W Claim of equivalent power Length 100.00 mm Height 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y	Mains or non-mains	MLS
Color-tuneable light source No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power O W Claim of equivalent power Length 100.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y	Light source cap-type (or other electric interface)	E14
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W Claim of equivalent power Yes Length 100.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Connected light source (CLS)	No
High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W Claim of equivalent power Yes Length 100.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y	Color-tuneable light source	No
Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W Claim of equivalent power Yes Length 100.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Envelope	No
Correlated colour temperature type Standby power 0 W Claim of equivalent power Yes Length 100.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	High luminance light source	No
Standby power 0 W Claim of equivalent power Yes Length 100.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Anti-glare shield	No
Claim of equivalent power Length 100.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Correlated colour temperature type	SINGLE_VALUE
Length100.00 mmHeight35.00 mmWidth35.00 mmChromaticity coordinate x0.4578Chromaticity coordinate y0.4101	Standby power	0 W
Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Claim of equivalent power	Yes
Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Length	100.00 mm
Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Height	35.00 mm
Chromaticity coordinate y 0.4101	Width	35.00 mm
	Chromaticity coordinate x	0.4578
R9 Colour rendering index 1	Chromaticity coordinate y	0.4101
	R9 Colour rendering index	1

Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	2185157
Model number	AC70212

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 lamps
PDF	Declarations of conformity UKCA	LED lamps

Photometric and lighting design files	Document name
Spectral power distribution	EPREL Data Spectral Diagram LEDr _2700K_EELB_EELC_Dim

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854477560	Folding box	36 mm x 49 mm x 145 mm	28.00 g	0.26 dm ³
4099854477577	Shipping box 6	129 mm x 111 mm x 120 mm	223.00 g	1.72 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.