

PRODUCT DATASHEET

LED Classic P 40 4.9W 827 Frosted E27

BELLALUX® CLP | LED lamps, classic mini-ball shape



Areas of application

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

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

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



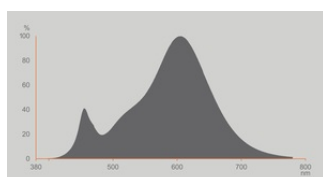
TECHNICAL DATA

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	40 mA
Type of current	AC
Inrush current	1.86 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	400
Max. lamp number on MCB B16 A	400
Total harmonic distortion	142.70 %
Power factor λ	0.56

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	150 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	77.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	17.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	100 °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)	E27
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
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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	DRBP/F-5,8-220-240-E27-43/89
Order reference	LEDCLP40 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)	E27
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	77.00 mm
Height	45.00 mm
Width	45.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	5
Beam angle correspondence	SPHERE_360







Survival factor	0.90
Displacement factor	0.861
EPREL ID	1403241,523323,1351525,1857057
Model number	AC31165,AC55999

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 A_P NON-DIM
	Declarations of conformity UKCA	LED CLASSIC A_P NON-DIM

Photometric and lighting design files		Document name
	IES file (IES)	AC08396_CLP40 5W 220-240V FR E27
	LDT file (Eulumdat)	AC08934_CLP40 5,7W 220-240VFRE27
	Light distribution curve type polar	LEDCLP40 5W 827 230VFR E27 BLI1 STARL
	Light distribution curve type polar	LEDSCLP40 5W 827 230VFR E27 BLI1 OSRAM
	Light distribution curve type polar	LEDSCLP40 5W 827 230VFR E27 FS1 OSRAM
	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
4058075304130	Folding box 1	46 mm x 49 mm x 119 mm	27.00 g	0.27 dm ³
4058075304147	Shipping box 10	252 mm x 134 mm x 104 mm	504.00 g	3.51 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075589858	Shipping box 6	159 mm x 111 mm x 95 mm	249.00 g	1.68 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.