

# PRODUCT DATASHEET LED Classic A 40 4.9W 827 Frosted E27

BELLALUX® CLA | LED lamps, classic bulb shape



## Areas of application

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

## **Product benefits**

- Very low energy consumption
- Shockproof and vibration-proof thanks to LED technology
- No UV radiation in the light beam
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lower thermal output (compared with the standard reference product)

## **Product features**

- LED lamps for line voltage
- Not dimmable
- Mercury-free lamps





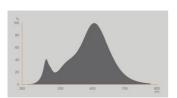
# **TECHNICAL DATA**

# Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	47 mA
Type of current	AC
Inrush current	3 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp no. on circuit break. 10 A (B)	450
Max. lamp no. on circuit break. 16 A (B)	70

# 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	0.93
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)	0.4

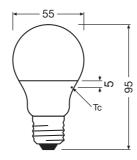


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# Light technical data

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

# **Dimensions & Weight**



Overall length	95.00 mm
Diameter	55.00 mm
Maximum diameter	55 mm
Product weight	19.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	82.3 °C

# Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93
Rated lamp survival factor at 6,000 h	≥ 0.90

# Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

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Dimmable  Certificates & Standards  Energy efficiency class  Energy consumption  Type of protection  IP20  Standards  CE / LVD / EMC / SLR / ROHS / REACH  Photobiological safety group acc. to EN62778  RGO  Country-specific categorizations  ILCOS  DRAA/F-5/827-220-240-E27-60  Order reference  COGISTICAL DATA  Temperature range at storage  P 1)  F 1)  S 20  CE / LVD / EMC / SLR / ROHS / REACH  RGO  CE / LVD / EMC / SLR / ROHS / ROHS / ROHS / ROHS /	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
Energy efficiency class F. 1)  Energy consumption 5.00 kWh/1000h  Type of protection IP20  Standards CE/LVD / EMC / SLR / ROHS / REACH  Photobiological safety group acc. to EN62778 R60  Photobiological safety group acc. to EN62778 R60  DRAA/F-5/827-220-240-E27-60  Order reference LED CLA40 4,9W/  COGISTICAL DATA  Temperature range at storage 2080 °C  Energy tabelling regulation data acc EU 2019/2015  Lighting technology used MLS  Mains or non-mains MLS  Light source cap-type (or other electric interface) E27  Connected light source (CLS) No  Coio-tuneable light source (CLS)  Coio-tuneable light source (MS)  High luminance light source No  Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Standby power SIRGLE_VALUE  Standby power	Capabilities	
Energy efficiency class  Energy consumption  Type of protection  Photobiological safety group acc. to EN62778  Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS  Order reference  ILEOS  Order reference  Constructional  Temperature range at storage  refergy 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)  Color-tuneable light source  Envelope  High Luminance light source  Envelope  High Luminance light source  Anti-glare shield  Non-Correlated colour temperature type  SINGLE_VALUE  SINGLE_	Dimmable	No
Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / LVD / EMC / SLR / ROHS / REACH Photobiological safety group acc. to EN62778 RG0  Energy efficiency class (EEC) on a scale of A (highest efficiency) to 6 (lowest efficiency)  Country-specific categorizations  ILCOS DRAA/F-5/827-220-240-E27-60 Order reference LED CLA40 4,9W/  COGISTICAL DATA  Temperature range at storage -20+80 °C  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 (CLS) No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W	Certificates & Standards	
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Non-directional or directional  Mains or non-mains  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		-20+80 °C
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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  Correlated colour temperature type  Standby power  E27  No  No  SINGLE_VALUE  0.00 W	Temperature range at storage  Energy labelling regulation data acc EU 2019/2015	
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Color-tuneable light source  Envelope  No  High luminance light source  Anti-glare shield  Correlated colour temperature type  Standby power  No  No  SINGLE_VALUE	Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional	LED NDLS
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W	Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains	LED NDLS MLS
High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Single_value  Standby power  0.00 W	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)	LED NDLS MLS E27
Anti-glare shield  Correlated colour temperature type  SINGLE_VALUE  Standby power  0.00 W	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)	LED NDLS MLS E27 No
Correlated colour temperature type SINGLE_VALUE  Standby power 0.00 W	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	LED NDLS MLS E27 No
Standby power 0.00 W	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	LED NDLS MLS E27 No No No
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Networked standby power for CLS 0.00 W	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	LED  NDLS  MLS  E27  No  No  No  No  No  No
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Yes

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Claim of equivalent power

Length	95.00 mm
Height	55.00 mm
Width	55.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.90
EPREL ID	1403217,523303,1351495
Model number	AC31145

#### **DOWNLOAD DATA**

#### Documents and certificates



Declarations Of Conformity CE

## Photometric and lighting design files



Spectral power distribution

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075409002	Folding box 2	61 mm x 121 mm x 145 mm	59.00 g	1.07 dm³
4058075589803	Shipping box 6	202 mm x 134 mm x 120 mm	280.00 g	3.25 dm <sup>3</sup>

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.

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