

# PRODUCT DATASHEET LED Classic A 60 P 8.5W 827 Frosted E27

LED CLASSIC A P | LED lamps, classic bulb shape



#### Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

#### **Product benefits**

- Low energy consumption
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

## **Product features**

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Good quality of light; color rendering index  $R_a$ :  $\geq$  80; constant chromaticity





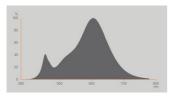
## **TECHNICAL DATA**

## Electrical data

Nominal wattage	8.5 W
Construction wattage	8.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	58 mA
Type of current	AC
Inrush current	7.8 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp no. on circuit break. 10 A (B)	80
Max. lamp no. on circuit break. 16 A (B)	95

## Photometrical data

Luminous flux	806 lm
Nominal useful luminous flux 90°	806 lm
Luminous efficacy	94 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



# Light technical data

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

# **Dimensions & Weight**

Overall length	107.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	21.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	88.6 °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
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 <sup>1)</sup>
Energy consumption	9.00 kWh/1000h
Type of protection	IP20

Standards	CE / LVD / EMC / SLR / ROHS / REACH
Photobiological safety group acc. to EN62778	RG0

 $<sup>1) \ {\</sup>sf Energy} \ {\sf efficiency} \ {\sf class} \ ({\sf EEC}) \ {\sf on} \ {\sf a} \ {\sf scale} \ {\sf of} \ {\sf A} \ ({\sf highest} \ {\sf efficiency}) \ {\sf to} \ {\sf G} \ ({\sf lowest} \ {\sf efficiency})$ 

## **Country-specific categorizations**

Country-specific categorizations	
Order reference	LED CLA60 8.5W
LOGISTICAL 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	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.00 W
Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes
Length	107.00 mm
Height	60.00 mm
Width	60.00 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
Displacement factor	> 0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1351499
Model number	AC44997

## **DOWNLOAD DATA**

	Documents and certificates
PDF	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
4099854049088	Folding box 1	62 mm x 62 mm x 117 mm	30.00 g	0.45 dm³
4099854049095	Shipping box 10	319 mm x 133 mm x 133 mm	437.00 g	5.64 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.

#### References / Links

- For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- 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.