PRODUCT DATASHEET

LED Classic Globe125 100 Filament Energy efficiency class A S 7.2W 827 Frosted E27

LED CLASSIC GLOBE ENERGY EFFICIENCY A S | LED lamps, classic ball shape, ENERGY EFFICIENCY CLASS A

SUPERIOR CLASS

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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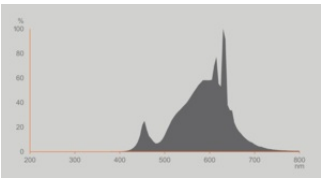
TECHNICAL DATA

Electrical data

Nominal wattage	7.2 W
Construction wattage	7.20 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	59 mA
Type of current	AC
Inrush current	5.88 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	37
Max. lamp number on MCB B16 A	44
Total harmonic distortion	130 %
Power factor λ	0.53

Photometrical data

Luminous flux	1521 lm
Luminous efficacy	211 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

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Light technical data

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

Dimensions & Weight

Overall length	168.00 mm
Diameter	125.00 mm
Maximum diameter	125 mm
Product weight	88.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	90 °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)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	A [1)]
Energy consumption	8.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LEDG125100EELA

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 W
Networked standby power for CLS	Not relevant
Claim of equivalent power	Yes
Length	168.00 mm
Height	125.00 mm
Width	125.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	20
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1902985,2185087
Model number	AC59160,AC70016

Safety advice

– Do not touch the lamp if broken.

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– 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
	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
4099854280214	Folding box 1	140 mm x 140 mm x 189 mm	146.00 g	3.68 dm^3
4099854280221	Shipping box 10	710 mm x 290 mm x 203 mm	1832.00 g	41.80 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.

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