PRODUCT DATASHEET
LED Classic A 100 V 13W 840 Frosted E27

LED CLASSIC A V | LED lamps, classic bulb shape



VALUE CLASS

Areas of application

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

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- 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: ≥ 80; constant chromaticity





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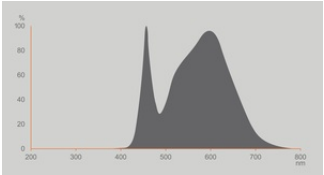
TECHNICAL DATA

Electrical data

Nominal wattage	13 W
Construction wattage	13.00 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	108 mA
Type of current	AC
Inrush current	1.76 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	66
Max. lamp number on MCB B16 A	106
Total harmonic distortion	114.60 %
Power factor λ	0.54

Photometrical data

Luminous flux	1521 lm
Luminous efficacy	117 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL Data Spectral Diagram LEDr _4000K

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Light technical data

Beam angle	180 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	118.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	35.00 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	10000 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

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Dimmable	No

Certificates & Standards

Energy efficiency class	E [1)]
Energy consumption	13.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
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	LED CLA100 13W

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
Claim of equivalent power	Yes
Length	118.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.382
Chromaticity coordinate y	0.380
R9 Colour rendering index	11
Beam angle correspondence	SPHERE_360

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Survival factor	0.90
Displacement factor	0.821
LED light source replaces a fluorescent light source	No
EPREL ID	1351508,1855190
Model number	AC45006,AC56442

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	Classic A_B_P 15000h FR
PDF	Declarations of conformity	LED CLASSIC
PDF	Declarations Of Conformity UKCA	LED CLASSIC

	Photometric and lighting design files	Document name
	Spectral power distribution	EPREL Data Spectral Diagram LEDr _4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854049002	Folding box 1	62 mm x 62 mm x 122 mm	46.00 g	0.47 dm^3
4099854049019	Shipping box 10	319 mm x 133 mm x 138 mm	600.00 g	5.85 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 further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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