

## PRODUCT DATASHEET

# LED Star Classic A 100 13W 827 Frosted E27

LED STAR CLASSIC A | LED lamps, classic bulb shape



### 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

- LED alternative to conventional lamps
- Mercury-free lamps



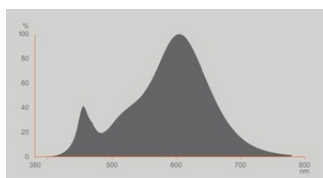
TECHNICAL DATA

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	95 mA
Type of current	AC
Inrush current	3.55 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	150
Max. lamp number on MCB B16 A	168
Total harmonic distortion	110.20 %
Power factor $\lambda$	0.59

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)	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\_classic A\_B\_P\_2700K\_827

### 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	32.00 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	E <sup>1)</sup>
Energy consumption	13.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1

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

### Country-specific categorizations

ILCOS	DRAA/F-13/827-20-240-E27-62
Order reference	LEDSCLA100 13W/

### 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	118.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	6
Beam angle correspondence	SPHERE_360

Survival factor	0.90
Displacement factor	0.845
LED light source replaces a fluorescent light source	No
EPREL ID	1403211,523299,1351507,1857033
Model number	AC31141,AC45005,AC24695,AC55989

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
	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
4058075127029	Folding box 1	60 mm x 60 mm x 162 mm	52.00 g	0.58 dm <sup>3</sup>
4058075127036	Shipping box 10	328 mm x 135 mm x 137 mm	746.00 g	6.07 dm <sup>3</sup>
4058075555372	Shipping box 6	208 mm x 135 mm x 130 mm	380.00 g	3.65 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.

References / Links

- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

DISCLAIMER

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