

## PRODUCT DATASHEET

# LED Star Classic A 100 13W 865 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

- Low energy consumption
- 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



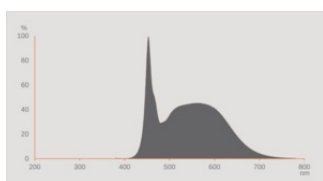
## TECHNICAL DATA

### 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	125 mA
Type of current	AC
Inrush current	10 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	60
Max. lamp no. on circuit break. 16 A (B)	75
Power factor $\lambda$	> 0.5

### Photometrical data

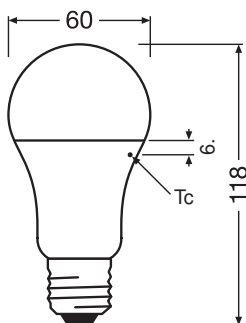
Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	117 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Standard deviation of color matching	≤6 sdcn
Rated LLMF 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	118.00 mm
Diameter	60,0 mm
Maximum diameter	60 mm
Product weight	36.00 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
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
----------	----

### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	13.00 kWh/1000h
Type of protection	IP20
Standards	CE / LVD / EMC / SLR / ROHS / REACH
Photobiological safety group acc. to EN62778	RG0

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

### Country-specific categorizations

Order reference	LEDSCLA100 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
Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes

Length	118.00 mm
Height	60,0 mm
Width	60,0 mm
Chromaticity coordinate x	0,3123
Chromaticity coordinate y	0,3282
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	> 0.7
LED light source replaces a fluorescent light source	No
EPREL ID	1403222,523301,1351509
Model number	AC31143,AC45007,AC24706

## 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
4058075304277	Folding box 1	60 mm x 60 mm x 162 mm	52.00 g	0.58 dm <sup>3</sup>
4058075691377	Bundle 3	60 mm x 180 mm x 162 mm	187.00 g	1.75 dm <sup>3</sup>
4058075588677	Shipping box 6	208 mm x 135 mm x 137 mm	420.00 g	3.85 dm <sup>3</sup>
4058075304284	Shipping box 10	328 mm x 135 mm x 137 mm	690.00 g	6.07 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.