

## PRODUCT DATASHEET

# LED Superstar Classic A 60 DIM 8.8W 827 Frosted E27

LED SUPERSTAR PCR DIM LAMP WITH CLASSIC A | LED lamps with recycled plastic



### Areas of application

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

### Product benefits

- Lower energy consumption than incandescent or halogen lamps
- High color consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

### Product features

- LED alternative to conventional lamps
- Good quality of light; color rendering index CRI 80; constant chromaticity
- High color consistency:  $\leq 6$  SDCM
- Dimmable (with many common dimmers, see also [www.osram-lamps.com/dim](http://www.osram-lamps.com/dim))
- Mercury-free lamps



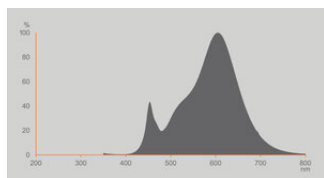
## TECHNICAL DATA

### Electrical data

Nominal wattage	8.8 W
Construction wattage	8.80 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	60 mA
Type of current	AC
Inrush current	0.046 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	133
Max. lamp number on MCB B16 A	213
Total harmonic distortion	85.55 %
Power factor $\lambda$	0.50

### Photometrical data

Luminous flux	806 lm
Nominal useful luminous flux 90°	806 lm
Luminous efficacy	91 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 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Spectral graph classic A 2700K  
MS/DS

### Light technical data

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

### Dimensions & Weight

Overall length	108.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	22.5 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	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96
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 / LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance)

### Capabilities

Dimmable	Yes <sup>1)</sup>
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<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](http://ledvance.com/compatibility)

### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
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

Order reference	123
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### 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-tunable 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	108.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	4
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.978
LED light source replaces a fluorescent light source	No
EPREL ID	1403221,523285,1338693,2190097
Model number	AC31127,AC45051,AC24705,AC69366

**Safety advice**

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

**DOWNLOAD DATA**

Documents and certificates	Document name
 Declarations of conformity	Classic lamps add value

Photometric and lighting design files	Document name
 Spectral power distribution	Spectral graph classic A 2700K MS/DS

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433861	Folding box 1	60 mm x 60 mm x 145 mm	37.50 g	0.52 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433878	Shipping box 10	322 mm x 134 mm x 120 mm	648.00 g	5.18 dm <sup>3</sup>
4058075585737	Shipping box 6	202 mm x 134 mm x 120 mm	340.00 g	3.25 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.

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### References / Links

- For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- 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)

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