

# PRODUCT DATASHEET

## SST CLAS A 150 FR 20 W/2700 K E27

LED SUPERSTAR CLASSIC A | Dimmable LED lamps, classic bulb shape



### Areas of application

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

### Product benefits

- Low energy consumption
- 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  $R_a: \geq 80$ ; constant chromaticity
- High color consistency:  $< 6$  SDCM
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	150 W
Nominal current	86 mA
Type of current	AC
Inrush current	6 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	6
Max. lamp no. on circuit break. 16 A (B)	9
Total harmonic distortion	120 %
Power factor $\lambda$	> 0.90

### Photometrical data

Luminous flux	2452 lm
Nominal useful luminous flux 90°	2452 lm
Luminous efficacy	122 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdc <sub>m</sub>
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 %)	< 1.00 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	200.00 °

### Dimensions & Weight

Overall length	141.00 mm
Diameter	70.00 mm
Maximum diameter	70 mm
Product weight	80.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	105 °C

### Lifespan

Nominal lamp life time	25000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 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
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## Capabilities

Dimmable	Yes
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## Certificates & Standards

Energy efficiency class	E <sup>1)</sup>
Energy consumption	20.00 kWh/1000h
Type of protection	IP20
Standards	CE / ROHS / REACH / ERP
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	LEDSCLA150D 20W
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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-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	141.00 mm
Height	70.00 mm

Width	70.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	not applicable
EPREL ID	523286,523286
Model number	AC31128,AC31128

## DOWNLOAD DATA

### DOWNLOAD DATA



PRODUCT DATASHEET  
LEDSCLA150D 21W/827 230VFR E27 10X1 OSRAM

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433847	Folding box 1	70 mm x 70 mm x 179 mm	100.00 g	0.88 dm <sup>3</sup>
4058075585751	Shipping box 6	233 mm x 153 mm x 153 mm	741.00 g	5.45 dm <sup>3</sup>
4058075433854	Shipping box 10	373 mm x 153 mm x 153 mm	2555.00 g	8.73 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 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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