

PRODUCT DATASHEET

LED Superstar Classic A 150 DIM 18W 827 Frosted E27

LED SUPERSTAR CLASSIC A | Dimmable 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
- 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: ≤ 6 SDCM
- Dimmable (with many common dimmers, see also www.osram-lamps.com/dim)
- Mercury-free lamps



TECHNICAL DATA**Electrical data**

Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	150 W
Nominal current	85 mA
Type of current	AC
Inrush current	0.01 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	26
Max. lamp number on MCB B16 A	44
Power factor λ	> 0.90

Photometrical data

Luminous flux	2452 lm
Nominal useful luminous flux 90°	2452 lm
Luminous efficacy	136 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 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF
LEDr 2700K

Light technical data

Beam angle	330 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	128.00 mm
Diameter	70.00 mm
Maximum diameter	70 mm
Product weight	71.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	75 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
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	Yes ¹⁾
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¹⁾ Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

Certificates & Standards

Energy efficiency class	D ¹⁾
Energy consumption	18.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LEDSCLA150D 18W
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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 W


Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes
Length	128.00 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 correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.70
LED light source replaces a fluorescent light source	No
EPREL ID	523227,2521442
Model number	AC32416,AC32416,AC93212

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	LED CLA CLB CLP T26 CL GLOBE125

Photometric and lighting design files		Document name
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 2700K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075437326	Folding box 1	70 mm x 70 mm x 179 mm	91.00 g	0.88 dm ³
4058075611177	Shipping box 6	233 mm x 153 mm x 153 mm	667.00 g	5.45 dm ³
4058075437333	Shipping box 10	373 mm x 153 mm x 153 mm	634.00 g	8.73 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 dimming conformity see www.ledvance.com/dim
 - For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
 - For Guarantee see www.ledvance.com/guarantee
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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.