

PRODUCT DATASHEET LED Superstar Classic A 150 DIM 20W 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)
- Mercury-free lamps



Frosted E27



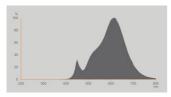
TECHNICAL DATA

Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	150 W
Nominal current	95 mA
Type of current	AC
Inrush current	2.9 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	40
Max. lamp number on MCB B16 A	47
Total harmonic distortion	15 %
Power factor λ	0.94

Photometrical data

Luminous flux	2452 lm
Luminous efficacy	122 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 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Spectral graphic classic B P 2700K DIM

Light technical data

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

Dimensions & Weight



Overall length	137.00 mm
Diameter	70.00 mm
Maximum diameter	70 mm
Product weight	105.00 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

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)

¹⁾ Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	20.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Order reference	LEDSCLA150D 20W

LOGISTICAL DATA

Temperature range at storage	-20+80 °C
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Energy labelling regulation data acc EU 2019/2015

Non-directional or directional 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 Standby power Claim of equivalent power Length NILS MLS NO No S27 No No No No No SINGLE_VALUE Standby power Yes Length 137.00 mm	
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 Standby power O.00 W Claim of equivalent power	
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 Standby power O.00 W Claim of equivalent power	
Color-tuneable light source Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type Standby power O.00 W Claim of equivalent power	
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	
High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W Claim of equivalent power Yes	
Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W Claim of equivalent power Yes	
Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W Claim of equivalent power Yes	
Standby power 0.00 W Claim of equivalent power Yes	
Claim of equivalent power Yes	
Length 137.00 mm	
2019	
Height 70.00 mm	
Width 70.00 mm	
Chromaticity coordinate x 0.4578	
Chromaticity coordinate y 0.4101	
R9 Colour rendering index 1	

Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.97
LED light source replaces a fluorescent light source	No
EPREL ID	1403229,523286,1338696,2190105
Model number	AC31128,AC45054,AC24715,AC69369

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	
PDF	Declarations of conformity	Classic lamps add value	
PDF	Declarations of conformity	Declaration of conformity CE FTL Sticks	
PDF	Declarations of conformity	Declaration of conformity CE	
PDF	Declarations of conformity UKCA	UKCA declaration LED stick	
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	Photometric and lighting design files	Document name	
	Spectral power distribution	Spectral graphic classic B P 2700K DIM	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433847	Folding box	70 mm x 70 mm x 179 mm	125.00 g	0.88 dm ³
4058075585751	Shipping box	233 mm x 153 mm x 153 mm	820.00 g	5.45 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

DISCLAIMER

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