

# PRODUCT DATASHEET LED Superstar Classic A 100 Filament DIM 11W 840 Clear E27

LED Retrofit CLASSIC A DIM | Dimmable LED lamps, classic bulb shape



## Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Lamps with innovative LED "filament" technology
- Lower energy consumption than incandescent or halogen lamps
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lower thermal output (compared with the standard reference product)
- Design, dimensions, luminous flux comparable to a halogen lamp

#### Product features

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Beam angle: up to 360°
- Lifetime up to 15,000 h





- Lamp made of glass
- Good quality of light; color rendering index  $R_{a:} \ge 80$ ; constant chromaticity

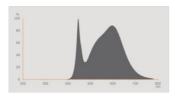
## TECHNICAL DATA

## Electrical data

Nominal wattage	11 W
Construction wattage	11.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	52 mA
Type of current	AC
Inrush current	1.66 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	271
Max. lamp number on MCB B16 A	433
Total harmonic distortion	13.5 %
Power factor $\lambda$	≥ 0.70

## Photometrical data

Luminous flux	1521 lm
Luminous efficacy	138 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



LISO spectral power distribution 4000K CRI80 v1

## Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

## Dimensions & Weight



Overall length	105.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	31.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	≤80 °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	Clear
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 <sup>1)</sup>
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<sup>1)</sup> Check dimmer compatibility at ledvance.com/compatibility

#### Certificates & Standards

Energy efficiency class	D 1)
Energy consumption	11.00 kWh/1000h
Type of protection	IP20
Standards	CE / 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	LEDSCLA100D 11W
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#### 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	not applicable	
Networked standby power for CLS	not applicable	
Claim of equivalent power	Yes	
Length	105.00 mm	
Height	60.00 mm	
Width	60.00 mm	
Chromaticity coordinate x	0.380	
Chromaticity coordinate y	0.380	
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	1403340,523136,1151034,1361286	
Model number AC32312,AC41115,AC45140,AC24248,AC45140		

# 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	LED lamp CL A/B/P FIL		
PDF	Declarations of conformity	LED lamps CLA,B,G,P		
PDF	Declarations of conformity	LED CLASSIC		
	Photometric and lighting design files	Document name		
	Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1		

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075448100	Folding box	60 mm x 60 mm x 145 mm	46.00 g	0.52 dm <sup>3</sup>
4058075448117	Shipping box 10	381 mm x 153 mm x 136 mm	456.00 g	7.93 dm <sup>3</sup>
4058075610828	Shipping box	202 mm x 134 mm x 120 mm	400.00 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.

#### **DISCLAIMER**

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