

PRODUCT DATASHEET LED Superstar Classic A 60 Filament DIM 5.9W 840 Frosted 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 : \geq 80; constant chromaticity

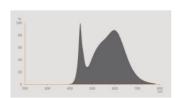
TECHNICAL DATA

Electrical data

Nominal wattage	5.9 W
Construction wattage	5.90 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	38 mA
Type of current	AC
Inrush current	3.72 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	48
Max. lamp number on MCB B16 A	61
Total harmonic distortion	110.15 %
Power factor λ	0.65

Photometrical data

Luminous flux	806 lm
Luminous efficacy	136 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
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	30.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	70 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

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

Certificates & Standards

Energy efficiency class	D 1)
Energy consumption	6.00 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	LEDSCLA60D 5,9W

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 O W Claim of equivalent power Length NILS MLS MLS E27 No No No Single Sing	
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 W Claim of equivalent power	
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Color-tuneable light source Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type Standby power O 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 W Claim of equivalent power Yes	
High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power O W Claim of equivalent power Yes	
Anti-glare shield Correlated colour temperature type SINGLE_VALUE Standby power 0 W Claim of equivalent power Yes	
Correlated colour temperature type SINGLE_VALUE O W Claim of equivalent power Yes	
Standby power 0 W Claim of equivalent power Yes	
Claim of equivalent power Yes	
Length 105.00 mm	
Height 60.00 mm	
Width 60.00 mm	
Chromaticity coordinate x 0.3818	
Chromaticity coordinate y 0.3797	
R9 Colour rendering index 1	

Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.50
LED light source replaces a fluorescent light source	No
EPREL ID	2178980
Model number	AC70051

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 lamps
PDF	Declarations of conformity UKCA	LED lamps

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
4099854464997	Folding box 1	60 mm x 60 mm x 145 mm	45.00 g	0.52 dm ³
4099854465000	Shipping box	202 mm x 134 mm x 120 mm	359.00 g	3.25 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.

DISCLAIMER

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