

PRODUCT DATASHEET LED Superstar Plus Classic A 100 Filament DIM 11W 940 Frosted E27

LED SUPERSTAR PLUS CLASSIC A FILAMENT | 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
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding color rendering of CRI > 90
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain
- Lower energy consumption than incandescent or halogen lamps
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- LED lamps for line voltage
- Beam angle: up to 300°
- Dimmable





DIM 11W 940 Frosted E27

– Color rendering index R_a : ≥ 90

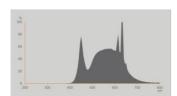
TECHNICAL DATA

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	52
Max. lamp number on MCB B16 A	75
Total harmonic distortion	< 100 %
Power factor λ	≥ 0.50

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	90
Light color	940
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



EPREL Data Spectral Diagram LEDr _CRI90_Blue light reduced_4000K

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

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

DIM 11W 940 Frosted E27

Dimmable	Yes ¹⁾
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¹⁾ 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 / EAC / UKCA
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	LSSPCLA100D 11W

LOGISTICAL DATA

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

Non-directional or directionalNDLSMains or non-mainsMLSLight source cap-type (or other electric interface)E27Connected light source (CLS)NoColor-tuneable light sourceNoEnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoCorrelated colour temperature typeSINGLE_VALUEStandby power0 WClaim of equivalent powerYesLength105.00 mmHeight60.00 mmWidth60.00 mmChromaticity coordinate x0.3818Chromaticity coordinate y0.3797R9 Colour rendering index1	Lighting technology used	LED
Light source cap-type (or other electric interface) 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 O W Claim of equivalent power Length Height 60.00 mm Chromaticity coordinate x 0.33797	Non-directional or directional	NDLS
Connected light source (CLS) No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SinGLE_VALUE Standby power O W Claim of equivalent power Length Height 60.00 mm Chromaticity coordinate x O.3818 Chromaticity coordinate y	Mains or non-mains	MLS
Color-tuneable light source No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power O W Claim of equivalent power Length 105.00 mm Height 60.00 mm Chromaticity coordinate x 0.3818 Chromaticity coordinate y	Light source cap-type (or other electric interface)	E27
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 Length 105.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.3818 Chromaticity coordinate y 0.3797	Connected light source (CLS)	No
High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W 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	Color-tuneable light source	No
Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W 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	Envelope	No
Correlated colour temperature type Standby power 0 W Claim of equivalent power Length 105.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.3818 Chromaticity coordinate y 0 W	High luminance light source	No
Standby power 0 W 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	Anti-glare shield	No
Claim of equivalent power Length 105.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.3818 Chromaticity coordinate y 0.3797	Correlated colour temperature type	SINGLE_VALUE
Length 105.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.3818 Chromaticity coordinate y 0.3797	Standby power	0 W
Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.3818 Chromaticity coordinate y 0.3797	Claim of equivalent power	Yes
Width 60.00 mm Chromaticity coordinate x 0.3818 Chromaticity coordinate y 0.3797	Length	105.00 mm
Chromaticity coordinate x 0.3818 Chromaticity coordinate y 0.3797	Height	60.00 mm
Chromaticity coordinate y 0.3797	Width	60.00 mm
	Chromaticity coordinate x	0.3818
R9 Colour rendering index 1	Chromaticity coordinate y	0.3797
	R9 Colour rendering index	1

Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	≥0.7
LED light source replaces a fluorescent light source	No
EPREL ID	642787,1361254,2185099
Model number	AC33991,AC45166,AC70102

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 CLASSIC
PDF	Declarations of conformity	LED lamps
PDF	Declarations of conformity UKCA	LED lamps
	Photometric and lighting design files	Document name
	Spectral power distribution	EPREL Data Spectral Diagram LEDr _CRI90_Blue light reduced_4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075602670	Folding box 1	60 mm x 60 mm x 145 mm	46.00 g	0.52 dm ³
4058075602687	Shipping box	202 mm x 134 mm x 120 mm	380.00 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.