

# PRODUCT DATASHEET LED Superstar Plus Classic A 100 Filament DIM 11W 940 Frosted B22d

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  $300^{\circ}$
- Dimmable





DIM 11W 940 Frosted B22d

– Color rendering index  $R_a$ :  $\geq 90$ 

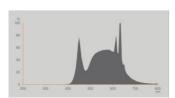
# TECHNICAL DATA

# 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	17.80 %
Power factor $\lambda$	≥ 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	104.00 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)	B22d
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)

<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 / EAC / 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

Temperature range at storage

Order reference	LSSPCLA100D 11W
LOGISTICAL DATA	

-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)	B22d
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
Claim of equivalent power	Yes
Length	104.00 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	≥0.7
LED light source replaces a fluorescent light source	No
EPREL ID	642789,1361256,2185172
Model number	AC33993,AC45168,AC70103

# 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	
POF	Declarations of conformity	LED CLASSIC	
PDF	Declarations of conformity	LED lamps	
POF	Declarations of conformity UKCA	LED lamps	
	Photometric and lighting design files	Document name	
<u> </u>	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
4058075602717	Folding box	60 mm x 60 mm x 145 mm	46.00 g	0.52 dm <sup>3</sup>
4058075602724	Shipping box 6	202 mm x 134 mm x 120 mm	368.00 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.