

# PRODUCT DATASHEET LED Superstar Plus Classic P 25 Filament DIM 2.2W 927 Frosted E27

LED SUPERSTAR PLUS CLASSIC P FILAMENT | LED lamps, classic mini-ball shape, dimmable



#### 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 2.2W 927 Frosted E27

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

DIM 2.2W 927 Frosted E27

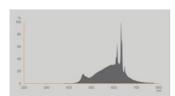
## TECHNICAL DATA

## Electrical data

Nominal wattage	2.2 W
Construction wattage	2.20 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	25 W
Nominal current	16 mA
Type of current	AC
Inrush current	0.41 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	500
Max. lamp number on MCB B16 A	632
Total harmonic distortion	142.24 %
Power factor $\lambda$	0.58

## Photometrical data

Luminous flux	300 lm
Luminous efficacy	136 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	90
Light color	927
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\_2700K

DIM 2.2W 927 Frosted E27

# Light technical data

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

# Dimensions & Weight



Overall length	84.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	20.00 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)
----------	--------

<sup>1)</sup> Check dimmer compatibility at ledvance.com/compatibility

#### Certificates & Standards

Energy efficiency class	D 1)
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0

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

## Country-specific categorizations

Order reference	LSSPCLP25D 2,2W

#### LOGISTICAL DATA

Temperature range at storage -20+80 °C
--

# 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)	
Light source cap-type (or other electric interface)	
Connected light source (CLS)	
Color-tuneable light source No	
Envelope No	
High luminance light source No	
Anti-glare shield No	
Correlated colour temperature type SINGLE_VALUE	E
Standby power 0 W	
Claim of equivalent power Yes	
Length 84.00 mm	
Height 45.00 mm	
Width 45.00 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	0.50
LED light source replaces a fluorescent light source	No
EPREL ID	1409228,2185140
Model number	AC47581,AC70119

#### 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
	Spectral power distribution	EPREL Data Spectral Diagram LEDr _CRI90_Blue light reduced_2700K

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854084195	Folding box 1	46 mm x 49 mm x 121 mm	32.00 g	0.27 dm <sup>3</sup>
4099854084201	Shipping box 6	159 mm x 111 mm x 95 mm	237.00 g	1.68 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.