

# PRODUCT DATASHEET LED Superstar Plus Classic B 40 Filament DIM 3.4W 927 Frosted B22d

LED SUPERSTAR PLUS CLASSIC B FILAMENT | Dimmable LED lamps, classic mini-candle 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





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

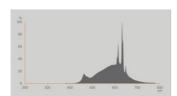
## TECHNICAL DATA

## Electrical data

Nominal wattage	3.4 W
Construction wattage	3.40 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	24 mA
Type of current	AC
Inrush current	2.41 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	66
Max. lamp number on MCB B16 A	86
Total harmonic distortion	84.2 %
Power factor $\lambda$	0.62

## Photometrical data

Luminous flux	470 lm
Luminous efficacy	138 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

# Light technical data

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

# Dimensions & Weight



Overall length	91.00 mm
Diameter	35.00 mm
Maximum diameter	35 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)	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 <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	4.00 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	LSSPCLB40D 3,4W

#### 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)B22dConnected light source (CLS)NoColor-tuneable light sourceNoEnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoCorrelated colour temperature typeSINGLE_VALUEStandby power0 WClaim of equivalent powerYesLength91.00 mmHeight35.00 mmWidth35.00 mmChromaticity coordinate x0.4578Chromaticity coordinate y0.410189 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  35.00 mm  Width  Chromaticity coordinate x  Chromaticity coordinate y  0.4101	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  Standby power  OW  Claim of equivalent power  Length  Height  35.00 mm  Width  Chromaticity coordinate y  O,4101	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  Height  35.00 mm  Width  35.00 mm  Chromaticity coordinate x  O.4578  Chromaticity coordinate y	Light source cap-type (or other electric interface)	B22d
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 91.00 mm Height 35.00 mm Width 35.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Connected light source (CLS)	No
High luminance light source  Anti-glare shield  Correlated colour temperature type  SINGLE_VALUE  Standby power  O W  Claim of equivalent power  Yes  Length  Height  35.00 mm  Width  35.00 mm  Chromaticity coordinate x  0.4578  Chromaticity coordinate y  No	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 91.00 mm  Height 35.00 mm  Width 35.00 mm  Chromaticity coordinate x 0.4578  Chromaticity coordinate y 0.4101	Envelope	No
Correlated colour temperature type  Standby power  0 W  Claim of equivalent power  Yes  Length  91.00 mm  Height  35.00 mm  Width  35.00 mm  Chromaticity coordinate x  0.4578  Chromaticity coordinate y  0.4101	High luminance light source	No
Standby power 0 W  Claim of equivalent power Yes  Length 91.00 mm  Height 35.00 mm  Width 35.00 mm  Chromaticity coordinate x 0.4578  Chromaticity coordinate y 0.4101	Anti-glare shield	No
Claim of equivalent power  Length  91.00 mm  Height  35.00 mm  Width  35.00 mm  Chromaticity coordinate x  0.4578  Chromaticity coordinate y  0.4101	Correlated colour temperature type	SINGLE_VALUE
Length       91.00 mm         Height       35.00 mm         Width       35.00 mm         Chromaticity coordinate x       0.4578         Chromaticity coordinate y       0.4101	Standby power	0 W
Height 35.00 mm  Width 35.00 mm  Chromaticity coordinate x 0.4578  Chromaticity coordinate y 0.4101	Claim of equivalent power	Yes
Width 35.00 mm  Chromaticity coordinate x 0.4578  Chromaticity coordinate y 0.4101	Length	91.00 mm
Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Height	35.00 mm
Chromaticity coordinate y 0.4101	Width	35.00 mm
	Chromaticity coordinate x	0.4578
R9 Colour rendering index 1	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	642794,1361261,2185123,2505633	
Model number	AC33998,AC45173,AC70106,AC92580	

#### 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_2700K

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075602816	Folding box 1	36 mm x 49 mm x 137 mm	32.00 g	0.24 dm <sup>3</sup>
4058075602823	Shipping box	129 mm x 111 mm x 112 mm	225.00 g	1.60 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.