

PRODUCT DATASHEET LED Superstar Classic A 100 Filament DIM 11W 827 Frosted B22d

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	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 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)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



EPREL data spectral diagram PROF LEDr 2700K

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 17	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	RG0

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

Country-specific categorizations

Order reference	LEDSCLA100D 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)B22dConnected light source (CLS)NoColor-tuneable light sourceNoEnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoCorrelated colour temperature typeSINGLE_VALUEStandby power0 WClaim of equivalent powerYesLength104.00 mmHeight60.00 mmWidth60.00 mmChromaticity coordinate x0.4578Chromaticity coordinate y0.4101R9 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 Width 60.00 mm Chromaticity coordinate x O.4578 Chromaticity coordinate y	Non-directional or directional	NDLS
Connected light source (CLS) Color-tuneable light source 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 104.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y No No Anti-glare shield No O Anti-g	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 104.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 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 104.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Connected light source (CLS)	No
High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power O W Claim of equivalent power Yes Length 104.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y	Color-tuneable light source	No
Anti-glare shield 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 0.4578 Chromaticity coordinate y	Envelope	No
Correlated colour temperature type Standby power 0 W Claim of equivalent power Yes Length 104.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	High luminance light source	No
Standby power 0 W Claim of equivalent power Yes Length 104.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Anti-glare shield	No
Claim of equivalent power Length 104.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Correlated colour temperature type	SINGLE_VALUE
Length104.00 mmHeight60.00 mmWidth60.00 mmChromaticity coordinate x0.4578Chromaticity coordinate y0.4101	Standby power	0 W
Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Claim of equivalent power	Yes
Width 60.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Length	104.00 mm
Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101	Height	60.00 mm
Chromaticity coordinate y 0.4101	Width	60.00 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	≥0.7	
LED light source replaces a fluorescent light source	No	
EPREL ID	1403337,523226,1151048,1361285,2178969	
Model number	AC32309,AC41112,AC45137,AC24245,AC70249	

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 lamp CL A/B/P FIL	
PDF	Declarations of conformity	LED lamps CLA,B,G,P	
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 PROF LEDr 2700K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075245655	Folding box 1	60 mm x 60 mm x 145 mm	46.00 g	0.52 dm ³
4058075610873	Shipping box 6	202 mm x 134 mm x 120 mm	362.00 g	3.25 dm ³
4058075245662	Shipping box 10	322 mm x 134 mm x 120 mm	618.00 g	5.18 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.