

## PRODUCT DATASHEET

# LED Superstar Classic B 40 DIM 4.9W 827 Frosted E14

LED SUPERSTAR CLASSIC B DIM | Dimmable LED lamps, classic mini-candle shape



### Areas of application

- General illumination
- Domestic applications
- Chandeliers
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Lower thermal output (compared with the standard reference product)
- Lower energy consumption than incandescent or halogen lamps
- Shockproof and vibration-proof thanks to LED technology
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement for conventional incandescent lamps

### Product features

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Good color rendering ( $R_a \geq 80$ ) and color stability throughout the life of the lamp
- Mercury-free lamps



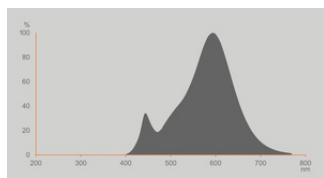
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**TECHNICAL DATA****Electrical data**

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	30 mA
Type of current	AC
Inrush current	0.03 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	160
Max. lamp number on MCB B16 A	256
Total harmonic distortion	86.7 %
Power factor $\lambda$	0.50

**Photometrical data**

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

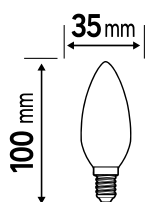


CRI 80 2700K Ver2

### Light technical data

Beam angle	240 °
Warm-up time (60 %)	0.50 s
Starting time	< 0.5 s

### Dimensions & Weight



Overall length	100.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	17.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	86 °C

### Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96
Rated lamp survival factor at 6,000 h	≥ 0.90

## Additional product data

Base (standard designation)	E14
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 / In preparation

## Capabilities

Dimmable	Yes <sup>1)</sup>
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<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

## Certificates &amp; Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE
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	LEDSCLB40D 4,9W
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## LOGISTICAL DATA


Temperature range at storage	-20...+80 °C
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## 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)	E14
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	0.00 W
Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes
Length	100.00 mm
Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	1403233,523287,1338697
Model number	AC31129,AC45055,AC24719

DOWNLOAD DATA

Documents and certificates	Document name
 Declarations of conformity	Classic lamps add value

Photometric and lighting design files	Document name
 Spectral power distribution	CRI 80 2700K Ver2

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075430914	Folding box 1	41 mm x 49 mm x 155 mm	32.00 g	0.31 dm <sup>3</sup>
4058075585720	Shipping box 6	144 mm x 111 mm x 131 mm	260.00 g	2.09 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.

## References / Links

- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
  - For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)
  - For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
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