

# Product Information

## LED SUPERSTAR CLASSIC B40 advanced frosted & clear sparkling



### Product Overview

Product	Wattage	CCT	lm	Base
LED SUPERSTAR CLASSIC B40 advanced frosted	6	2700	470	E14
LED SUPERSTAR CLASSIC B40 advanced clear sparkling	6	2700	470	E14

### Benefits

- For all household luminaires
- Low energy consumption and maintenance costs
- GLS inspired Design
- Dimmable<sup>1</sup>
- True 40W incandescent candle replacement
- Longer lifetime<sup>2</sup>

### Key Features

- 6W LED lamp as high-quality replacement for a 40W incandescent candle lamp
- Dimmable<sup>1</sup>
- E14 base
- Available in 2700K warm white color temperature
- Energy efficiency class A+
- 20,000 hours lifetime<sup>3</sup>
- Similar dimensions as incandescent candle lamp
- UV and NIR radiation free
- Mercury free
- 4 years Osram Guarantee ([www.osram.com/guarantee](http://www.osram.com/guarantee))

Product	Wattage	CCT	lm	Base	Diameter	Length	Weight	Viewing Angle	EAN10	EAN40 (ship.unit)	Ship. unit
LED SUPERSTAR CLASSIC B40 advanced frosted	6	2700	470	E14	38 mm	108 g	61 g	300	4052899904415	4052899904446	6
LED SUPERSTAR CLASSIC B40 advanced clear sparkling	6	2700	470	E14	38 mm	108 g	63 g	300	4052899900899	4052899900967	6

<sup>1</sup>With many common dimmers, see also [www.osram.com/dim](http://www.osram.com/dim)

<sup>2</sup> Typical values. All the technical parameters apply to the entire lamp. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.

<sup>3</sup> The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25 °C), free air burning, base up burning position and at rated voltage.

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### Common Characteristics<sup>3</sup>

Average lifetime <sup>4</sup>	Switching cycles (30s on, 30s off)	Casing material	Starting time	Warm up time for 60% light	Power factor
20,000 hrs	100,000	Plastic	< 0,2 s	0.0 s	0.5
Nominal current	Max. inrush current	Tc temperature max.5	CRI	Mercury max.	
43 mA	2 A	95 C	80	0.0 mg	



Good heat exchange supports ideal performance

### Disposal information

- Lamps with WEEE sign can be returned at specific collection points.
- LED lamps have to be disposed as special waste.



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<sup>4</sup> The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25 C), free air burning, base up burning position and at rated voltage.

<sup>5</sup> The Tc is defined as the highest permissible temperature which may occur on the outer surface of the LED lamp (in the indicated position) under normal operating conditions and at the rated voltage/current/power or the maximum of the rated voltage/current/power range (DIN EN 62031: 2009-01)



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### Application information

- Suitable for indoor application.
- For outdoor applications and operation in damp locations special approved fixture are required.
- Input voltage: 220-240V
- Storage temperature & humidity conditions (-20 C up to +40 C, at max. 95% relative humidity)
- Operating temperature & humidity conditions (-20 C up to +40 C, at max. 95% relative humidity)

### Lamp conformity

- 2004/108/EC Electromagnetic compatibility (EMC)
- 244/2009 Ecodesign requirements for non-directional household lamps
- IEC/ PAS 62612 Self ballasted LED-lamps for general lighting services – Performance requirements
- 2009/125/EC Ecodesign requirements for energy related products
- 2011/65/EC Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
- 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH Regulation)
- 2002/96/EC Waste Electrical and Electronic Equipment Directive (WEEE)
- EN 62471 Photobiological safety of lamps and lamp systems
- EN 55015 Limits and methods of measurement of radio disturbance
- EN 61000-3-2 Electromagnetic compatibility – Limits for harmonic current emission
- EN 61000-3-3 Electromagnetic compatibility – Limitation of voltage changes, voltage fluctuations, flicker in public low voltage supply systems
- EN61547 Electromagnetic compatibility immunity requirements
- 1194/2012 Eco design requirement for directional lamps, light emitting diode lamps and related equipment (DIM II)
- IEC 62560 self-ballasted LED-lamps for general lighting services by voltage >50V – Safety specifications
- 874/2012/EU Energy labeling of electrical lamps and luminaires

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### Dimming behaviours<sup>6</sup>

Brand	Model	Leading or Trailing	Min dim range	Max dim range
ABB	STD 50-3	L	4%	100%
Berker	Nr.281902	L	5%	100%
Berker	2875	L	5%	100%
Bticino	SM9350S	L	5%	100%
BULL	B6GD100	L	3%	100%
BUSCH JAEGER	2250	L	2%	100%
BUSCH JAEGER	6517 U-101	L	5%	100%
BUSCH JAEGER	2247U	L	4%	100%
Clipsal	32V 500 Series	L	5%	100%
Clipsal	E30 (32V500M)	L	5%	100%
CLIPSAL	3031H500M/K	L	5%	100%
DETA	6021	L	5%	100%
Everflourish	EFM700DB	L	8%	100%
(Feller)Schneider-Electric	40600 RL	L	6%	100%
GIRA	Ne.030000/101	L	5%	100%
GIRA	0300 00/101	L	5%	100%
HACO	A8-D500	L	6%	100%
Honyar	KT250	L	24%	100%
Honyar	KT150	L	7%	100%
jung	225 NV DE	L	3%	100%
KOPP/Sicherung	8033	L	6%	100%
Lichtregler	he T10	L	23%	100%
MERTEN	5725-99	L	5%	100%
Midea	C03GM JK12	L	5%	100%
MK	S1535	L	6%	100%
Panasonic	WEG57513K	L	5%	100%
Panasonic	WMS549	L	5%	100%
Panasonic	WEJ57515	L	5%	100%
Panasonic	WEG 57813	L	5%	100%
PEHA	D 80.433V	L	5%	100%
SIEMENS	5TC8 256	L	6%	100%
T&J	V2C-M2-FWH	L	12%	100%
TCL	L2.0	L	5%	100%
TCL	K4.0	L	5%	100%

#### Legend

L / leading edge      T / trailing edge

<sup>6</sup> Typical values The test results reflect the measurement of the individual devices that were used in tests. OSRAM does not take over any responsibility, warranty or liability that this results can also be achieved by using the devices under other conditions or when using successor models of the tested devices or different models of the same manufacturer.

The test results were achieved by using the above mentioned LED-lamp types. OSRAM does not take over any responsibility, warranty or liability that this results can also be achieved by using the devices under other conditions or when using other LED-lamp types.