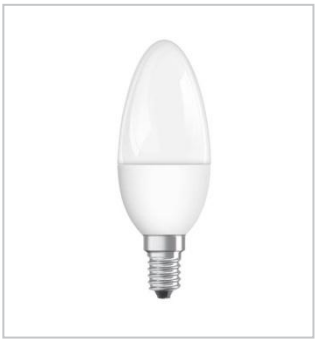
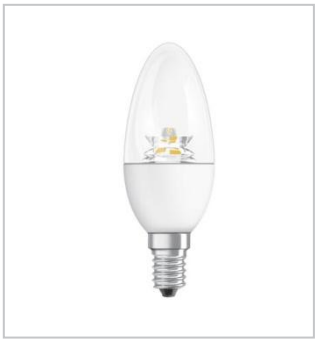
Product Information

SUPERSTAR CLASSIC B25 advanced frosted & clear sparkling





Product Overview

Product	Wattage	CCT	lm	Base
SUPERSTAR CLASSIC B25 advanced frosted	**4**	**2700**	**250**	**E14**
SUPERSTAR CLASSIC B25 advanced clear sparkling	**4**	**2700**	**250**	**E14**

Benefits

- For all household luminaires
- Low energy consumption and maintenance costs
- GLS inspired Design
- Dimmable[1]
- True 25W incandescent candle replacement
- Longer lifetime[2]

Key Features

- 4W LED lamp as high-quality replacement for a 25W incandescent candle lamp
- Clear version with unique OSRAM patented optics
- Designed in Germany
- Available in 2700K warm white color temperature
- Energy efficiency class A+
- 25,000 hours lifetime[3]
- Similar dimensions as incandescent candle lamp
- UV and NIR radiation free
- Mercury free
- 4 years Osram Guarantee (www.osram.com/guarantee)

Product	Wattage	CCT	lm	Base	Diameter	Lenght	Weight	EAN10	EAN40 (ship.unit)	Ship. unit
SUPERSTAR CLASSIC B25 advanced frosted	4	2700	250	E14	38 mm	105 mm	55.5 g	4008321994011	4008321994028	6
SUPERSTAR CLASSIC B25 advanced clear sparkling	4	2700	250	E14	38 mm	105 mm	57.6 g	4008321979261	4008321979278	6

[1]With many common dimmers, see also www.osram.com/dim

[2] 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.

[3] 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.

Product Information

SUPERSTAR CLASSIC B25 advanced frosted & clear sparkling

Common Characteristics[3]

Average lifetime[4]	Switching cycles (30s on, 30s off)	Casing material	Starting time	Warm up time for 60% light	Power factor
25,000 hrs	100,000	Plastic	< 0,2 s	0.0 s	0.6
Nominal current	**Max. inrush current**	**Tc temperature max.5**	**CRI**	**Mercury max.**	
20 mA	4 A	90 °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.

[3] 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.
[4] 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.
[5] 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)

Product Information

SUPERSTAR CLASSIC B25 advanced frosted & clear sparkling

Dimming behaviours[6]

Brand	Model	Power range	Voltage range	Leading or Trailing	Min dim range	Max dim range
merten	5725-99	20-500W	230V/ 50Hz	L	8,50%	100,0%
BUSCH	6517 U-101	60-400VA	230V / 50Hz		18,95%	98,7%
Everflourish	EF0700DC	20~300W	230V/ 50Hz	T	46,4%	99,3%
Everflourish	EFM700DB	50~300W	230V/ 50Hz	L	14,38%	98,7%
Berker	Nr.2875	60-600W	230-240V / 50Hz	L	11,76%	98,7%
Merten	5771-99	20~315W	230V/ 50Hz	T	44,44%	98,7%
ABB	STD50-3	500VA	230V / 50Hz	L	13,73%	98,7%
Legrand	775903	420VA	230V/ 50Hz	T	11,76%	99,3%
OSRAM	MCU Te250	20~250W	220~240V/50~60Hz	T	22,22%	100,0%
PEHA	433HAB	20-315W	230V/ 50Hz	T	26,14%	100,0%
Berker	281902	20~315W	230V/ 50Hz	L	16,34%	100,0%
CONRAD	T46	20~315W	230V/ 50Hz	T	33,99%	100,7%
GIRA	0300 00/I01	60~400W	230V/ 50Hz	L	19,61%	98,7%
BUSCH-Dimmer	6513U-102	40~420W	230V/ 50Hz	T	45,10%	100,0%
He	T46	20-315W	230V / 50Hz	T	34,64%	100,0%
EVERFLOURISH	EFM700DC	20-300W	230V / 50Hz	T	37,91%	101,3%
HPM	CAT250L HPM	250W	230V/50Hz	L	19,61%	91,5%
HPM	CAT400T HPM	400W	230V/50Hz	T	19,61%	99,3%

Legend

L / leading edge **T** / trailing edge

6 Typical valuesThe 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.

Product Information

SUPERSTAR CLASSIC B25 advanced frosted & clear sparkling

Dimming behaviours[6]

Brand	Model	Power range	Voltage range	Leading or Trailing	Min dim range	Max dim range
Honyar鸿雁	KT150	15~160W	220V~/ 50Hz	L	15,03%	98,7%
Clipsal	U201DST600	40-600VA	220-240V / 50-60Hz	L	5,23%	88,2%
Panasonic	WEJ57515	500W	220V~/50-60Hz	L	4,58%	98,0%
HPM	CAT250T HPM	400W	230V-240V/50Hz	T	16,34%	99,3%
HPM	CAT200L HPM	200W	230V-240V/50Hz	L	16,99%	90,2%
Clipsal	E8432EPD3	25~300VA	230/50Hz	L	8,50%	102,0%
Clipsal	E8431EPD4	25~350VA	230/50Hz	L	9,80%	102,6%
Clipsal	32E450TM	450W	240V/50Hz	T	25,49%	100,0%
Clipsal	32E2CFLDM	300W	240V/50Hz	L	24,18%	100,0%
Midea	C03GM JK12	630W	220/50Hz	L	13,07%	99,3%
Busch-Jaeger	6523 U	2-100	230/50Hz	LED-L	39,22%	99,3%
Busch-Jaeger	6513 U-102	40-420	230/50Hz	T	10,46%	97,4%
Berker	2875	60-600	240V/50Hz	L	13,73%	99,3%
Gira	117600	50-420	240V/50Hz	U	24,84%	100,0%
Jung	225 NVDE	20-500	240V/50Hz	L	7,84%	99,3%
Osram	HTi DALI 315 DIM	20-315	240V/50Hz	DALI-T	12,42%	99,3%
Schneider	STD400T	400	230/50Hz	U	22,88%	103,3%
Lutron	GRX-3106-T-AU-WH	2000W	240V/50Hz		26,14%	101,3%
Schneider-Electric	40600 RL	40-600W	240V/50Hz	L	10,46%	98,7%
Clipsal	32E450UDM	450W	220/50Hz	U	29,41%	99,3%
Anam / Legrand	ASW3000H	1000W	220/50Hz		5,88%	96,1%

Legend

L / leading edge **T** / trailing edge

6 Typical valuesThe 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.

Product Information

SUPERSTAR CLASSIC B25 advanced frosted & clear sparkling

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 disturance
- EN 61000-3-2 Electromagnetic compatibility – Limits for harmonic current emission
- EN 61000-3-3 Electromagnetic compatibility – Limitation of voltage changes, voltage fluactuations, 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