

Product Information

LED SUPERSTAR CLASSIC A40 advanced frosted & clear sparkling



Product Overview

Product	Wattage	CCT	lm	Base
LED SUPERSTAR CLASSIC A40 adv frosted	6	2700	470	E27
LED SUPERSTAR CLASSIC A40 adv clear sparkling	6	2700	470	E27

Benefits

- For all household luminaires
- Low energy consumption and maintenance costs
- Longer lifetime²
- GLS inspired Design
- Dimmable¹
- Made in Italy

Key Features

- 6W LED lamp as high-quality replacement for a 40W incandescent candle lamp
- Dimmable¹
- E27 base
- Available in 2700K warm white color temperature
- Energy efficiency class A+
- 20,000 hours lifetime³
- Similar dimensions as incandescent lamp
- UV and NIR radiation free
- Mercury free
- 4 years Osram Guarantee (www.osram.com/guarantee)

Product	Wattage	CCT	lm	Base	Diameter	Length	Weight	Viewing Angle	EAN10	EAN40 (ship.unit)	Ship. unit
LED SUPERSTAR CLASSIC A40 adv frosted	6	2700	470	E27	60 mm	110 mm	150 g	240°	4052899911185	4052899911192	4
LED SUPERSTAR CLASSIC A40 adv clear sparkling	6	2700	470	E27	60 mm	110 mm	150 g	200°	4052899913790	4052899913851	4

¹With 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.

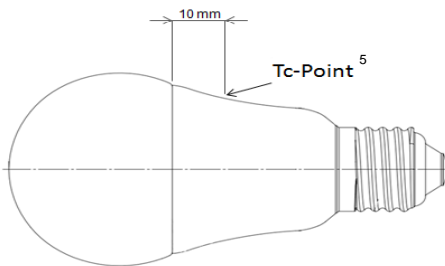
³ The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25°C), free air burning, base up burning position and at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

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Common Characteristics³

Average lifetime ⁴	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	0.9
Nominal current	Max. inrush current	Tc temperature max.5	CRI	Mercury max.	
30mA	1,3 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.



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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)



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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 behaviours⁶

Brand	Model	Power range	Voltage range	Leading or Trailing	Min range	Max range
Lichtregler	he T10	60-300W	230V/50Hz	L	7,5%	100,0%
Busch	2250	60-600W	230V/50Hz	L	1,3%	100,0%
Junag	225 NV DE	20-500W	230V/50Hz	L	5,4%	100,0%
Siemens	5TC8 284	20-600W	230V/50Hz	T	0,4%	100,0%
Siemens	577199	20-315VA	230V / 50Hz	T	3,3%	100,0%
Junag	225TDE	20-525W	230V/50Hz	T	1,8%	100,0%
Honyar 鸿雁	KT250 (A86KT250N)	15~250W	220V~/ 50Hz	L	6,2%	100,0%
Clipsal(E20 series)	32V 500 Series	500VA	250V-2A/ 50Hz	L	0,0%	100,0%
T&J	V2C-M2-FWH	40~630W	230V/ 50Hz	L	0,0%	100,0%
Merten	5725-99	20-500W	230V/ 50Hz	L	0,8%	100,0%
SIEMENS	5TC8 256	50-400W	230V / 50Hz	L	0,0%	100,0%
GIRA	Ne.030000/101	60-400W	230V / 50Hz	L	0,0%	100,0%
BUSCH	6517 U-101	60-400VA	230V / 50Hz	L	0,0%	100,0%
Berker	Nr.2874	20-250W	230V / 50Hz	T	1,5%	100,0%
KOPP/Sicherung	8033	40~400W	230V/ 50Hz	L	7,5%	100,0%
KOPP/Sicherung	80,78	20~275W	230V/ 50Hz	T	3,3%	100,0%
Everflourish	EF0700DC	20~300W	230V/ 50Hz	T	3,6%	100,0%
Everflourish	EFM700DB	50~300W	230V/ 50Hz	L	5,0%	100,0%
Berker	Nr.2875	60-600W	230-240V / 50Hz	L	4,7%	100,0%
Berker	Nr.281902	60-400W	230V / 50Hz	L	0,0%	100,0%
Merten	5771-99	20~315W	230V/ 50Hz	T	3,3%	100,0%
ABB	STD50-3	500VA	230V / 50Hz	L	4,6%	100,0%
Legrand	775903	420VA	230V/ 50Hz	T	1,3%	100,0%
OSRAM	MCU Te250	20~250W	220~240V/50~60Hz	T	0,4%	91,7%
Berker	2875	60W-600W	230V-240V/ 50Hz	L	3,8%	100,0%
Tronic	51160	315W/VA	230V /50Hz	T	4,5%	100,0%
Busch	6519U	40-550W	230V /50Hz	T	10,0%	100,0%
CONRAD	T46	20~315W	230V/ 50Hz	T	3,9%	100,0%
GIRA	0300 00/101	60~400W	230V/ 50Hz	L	0,0%	100,0%
GIRA	0307 00/102	60~400W	230V/ 50Hz	T	1,3%	100,0%
Busch-Dimmer	2247U	500W	230V/ 50Hz	L	5,4%	100,0%
BUSCH-Dimmer	6513U-102	40~420W	230V/ 50Hz	T	10,4%	100,0%
He	T46	20-315W	230V / 50Hz	T	4,2%	100,0%
EVERFLOURISH	EFM700DC	20-300W	230V / 50Hz	T	2,9%	97,5%

Legend

L / leading edge T / trailing edge

⁶ 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.

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OSRAM	MCU Te250	20~250W	220~240V/50~60Hz	T	0,8%	98,3%
(Feller)Schneider-Electric	40600 RL	40-600W	230V~/50Hz	L	4,2%	100,0%
CLIPSAL	3031H500M/K	~500W	230/50Hz	L	0,0%	100,0%
Panasonic	WEG 57813	40-300W	230/50Hz	L	0,0%	100,0%
Clipsal	E8432EPD3	25~300VA	230/50Hz	L	3,1%	100,0%
Clipsal	E8431EPD4	25~350VA	230/50Hz	L	0,8%	100,0%
Clipsal	32E450TM	450W	240V/50Hz	T	1,8%	100,0%
Clipsal	32E2CFLDM	300W	240V/50Hz	L	1,4%	100,0%
Clipsal	32E450UDM	450W	240V/50Hz	T	2,7%	100,0%
曼科电工	MK/TG100001	200W	220/50Hz	L	0,0%	100,0%
Midea	C03GM JK12	630W	220/50Hz	L	0,0%	100,0%
PEHA	210213	20-315VA	230Vac	T	2,5%	98,8%
Albrecht Jung	225TDE	20-525VA	230Vac	T	1,8%	100,0%
Ehmann	4660x0026	20-300VA	230Vac	T	4,4%	100,0%
Berker	2874	25-525VA	230Vac	T	1,9%	100,0%
legrand	775903	420VA	230Vac	T	1,3%	96,9%
Eiso	174200		230Vac	T	8,2%	100,0%
Berker	2875	60-600VA	230Vac	L	5,5%	100,0%
Eiso	174120	20-500VA	230Vac	L	14,2%	100,0%
Busch-Jager	6517	60-400VA	230Vac	L	0,0%	100,0%
Albrecht Jung	225NVDE	20-500VA	230Vac	L	6,9%	100,0%
Berker	28198989	60-400VA	230Vac	L	0,0%	100,0%
Duwi	DW700DA	50-300VA	230Vac	L	8,6%	100,0%
British General	881P	400VA	230Vac	L	4,6%	100,0%
Kopp	Serie UP Standard	60-400VA	230Vac	L	0,0%	100,0%
Busch	2247-101	20-500VA	230Vac	L	11,7%	99,6%
Dimtronic	MH-30	20-300VA	230Vac	L	0,0%	100,0%
Peha	LR 180W	20-500VA	230Vac	L	17,3%	99,4%
LK-Fuga	MEK 200	40-180VA	230Vac	L	12,4%	99,7%
Gira	30600	20-500VA	230Vac	L	5,8%	99,6%
Niessen	8060 BA	40-600VA	230Vac	L	4,0%	99,5%
Merten	5725	20-500VA	230Vac	L	0,3%	99,7%

Legend

L / leading edge T / trailing edge

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