

Product Information

LED STAR CLASSIC A60 frosted



Benefits

- For all household luminaires
- Low energy consumption and maintenance costs
- Longer lifetime²
- GLS-like Design

Product Overview

Product	Wattage	CCT	lm	Base
LED STAR CLASSIC A60 frosted	10	2700	810	E27
LED STAR CLASSIC A60 frosted	10	2700	810	B22d
LED STAR CLASSIC A60 frosted	10	6500	810	E27

Key Features

- 10W LED lamp as high-quality replacement for a 60W incandescent lamp
- B22d base
- Available in 2700K warm white color temperature
- Energy efficiency class A
- 15,000 hours lifetime³
- Similar dimensions as incandescent lamp
- UV and NIR radiation free
- Mercury free
- 3 years Osram Guarantee (www.osram.com/guarantee)

Product	Wattage	CCT	Lm	Base	Diameter	Length	Weight	Viewing Angle	EAN10	EAN40 (ship.unit)	Ship . unit
LED STAR CLASSIC A60 frosted	10	2700	810	E27	60 mm	110 mm	130 g		4008321993076	4008321993182	6
LED STAR CLASSIC A60 frosted	10	2700	810	B22d	60 mm	110 mm	105 g		4008321993113	4008321993229	6
LED STAR CLASSIC A60 frosted	10	6500	810	E27	60 mm	110 mm	130 g		4008321993120	4008321993236	6

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.

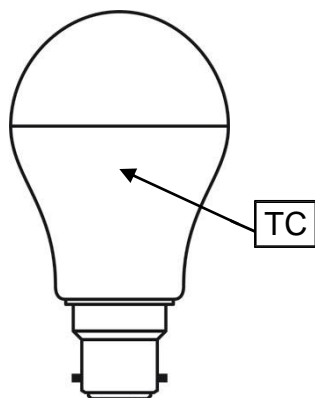
³ The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25°C), free air burning, base up burning position and at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

Product Information

LED STAR CLASSIC A60 frosted

Common Characteristics³

Average lifetime ⁴	Switching cycles (30s on, 30s off)	Casing material	Starting time	Warm up time for 60% light	Power factor
15,000 hrs	100,000	Metal	< 1 s	0.0 s	0.9
Nominal current	Tc temperature max.5	CRI	Mercury max.		
48 mA	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

LED STAR CLASSIC A60 frosted

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