

# Product Information

## LEDSTAR® CLASSIC A70 frosted



Product	Wattage	CCT	lm	Base
LS CLA70 9W/827 220-240VFRE2710X1APOSRA M	9	2700	806	E27
LS CLA70 9W/865 220-240VFRE2710X1APOSRA M	9	6500	850	E27
LS CLA70 9W/827220-240VFRB22D10X1APOSRA M	9	2700	806	B22D
LS CLA70 9W/865220-240VFRB22D10X1APOSRA M	9	6500	850	B22D

### Benefits

- Replacement for 70W Incandescent lamp
- Dimension comparable Classic A Incandescent
- Good thermal management

### Key Features

- 9W LED lamp as high-quality replacement for a 70W incandescent candle lamp
- Non Dimmable
- E27 / B22D base
- Available in 2700K warm white and 6500K daylight
- 15,000 hrs
- UV and IR radiation free
- Mercury free

Product	Wattage	CCT	lm	Base	Diameter	Length	Weight	Viewing Angle	EAN10	EAN40 (ship.unit)	Ship. unit
LS CLA70 9W/827 220-240VFRE2710X1APOSRA M	9	2700	806	E27	60 mm	112 mm	95 g	200°	4052899252325	4052899252332	10
LS CLA70 9W/865 220-240VFRE2710X1APOSRA M	9	6500	850	E27	60 mm	112 mm	95 g	200°	4052899252349	4052899252356	10
LS CLA70 9W/827220-240VFRB22D10X1APOSRA M	9	2700	806	B22D	60 mm	100 mm	100 g	200°	4052899252561	4052899252578	10
LS CLA70 9W/865220-240VFRB22D10X1APOSRA M	9	6500	850	B22D	60 mm	100 mm	100 g	200°	4052899252585	4052899252592	10

<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.

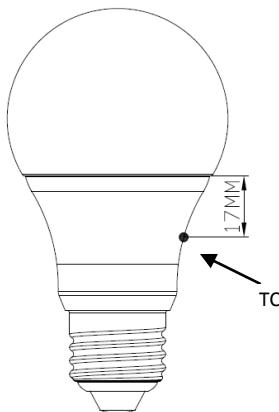
<sup>3</sup> The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25°C), free air burning, base up burning position 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 95% light	Power factor
15,000 hrs	100,000	Plastic	<0.5s	2 s	0.52
Lamp Current	Irush current	Tc temperature max.5	CRI	Mercury max.	
75 mA	4.7A	105°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)

# Product Information

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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

- IEC 60630 Max. outline of incandescent lamps
- IEC 62612 Self ballasted LED-lamps for GL services
- GB/T 24908-2010
- EN 62560 Self ballasted LED lamps for GL services
- GB 24906-2010
- IEC 60061 Lamp caps and holders
- EN 62471 Photo biological safety of lamps
- EN 55015 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- 2004/108/EC Electromagnetic compatibility
- EN 61547 EMC immunity 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, Authorization and Restriction of Chemicals (REACH Regulation)
- 2002/96/EC Waste Electrical and Electronic Equipment Directive (WEEE)