

# LED SUPERSTAR CLASSIC P25 advanced frosted



- Replacement for 25W incandescent lamp
- Dimension comparable Classic P incandescent
- High quality of light with CRI 80
- Good thermal management

## Product Offering

Type reference	Power	CCT	Luminous flux	CRI
Classic P25 adv frosted E27	3.8	2700K	250	80

## 1. Key Features and Benefits

- 3.8W LED lamp as high-quality replacement of 25W incandescent lamp
- E27base
- Dimmable<sup>1</sup>
- 2700K warm white
- reduces energy consumption up to 80%
- energy efficacy class A+
- 25,000 hours lifetime
- UV and NIR radiation free
- Mercury free
- 4 years Osram Guarantee<sup>2</sup>

<sup>1</sup> See [www.osram.com/dim](http://www.osram.com/dim)

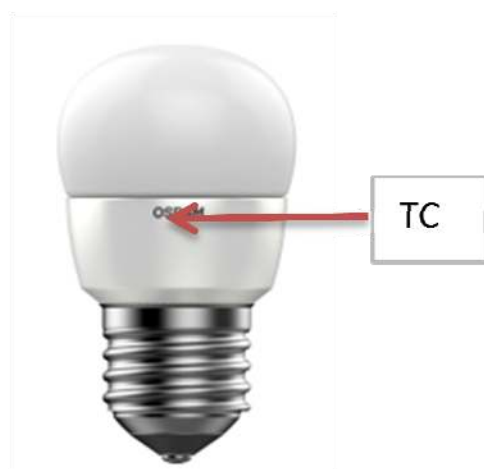
<sup>2</sup> See [www.osram.com/guarantee](http://www.osram.com/guarantee)

## 2. Common Characteristics

Average lifetime <sup>4</sup>	Luminous Flux	Switching cycles (30s on, 30s off)	Casing material			Starting time	Warm up time for 60% light	Power factor
25,000h	250lm	100.000	Plastic			<1s	none	0.5
Mercury max.	Base Type	Length	Diameter	Weight	Tc temperature max. <sup>5</sup>	Nominal current (steady state)	Inrush current	
0.0mg	E27	79mm	43mm	55g	82°C	33mA	4,2A	

## 3. Mounting information

Good heat exchange supports ideal performance



<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. To achieve a full lifetime a good heat exchange for the electronic components is required.

<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)

## 4. Disposal information

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



## 5. Application Information

### Applications

- hotels
- restaurant
- commercial areas
- residentials
- art galleries and museum
- office space

### Application Notes

1. suitable for indoor application.
2. for outdoor applications and operation in damp locations special approved fixture are required.
3. Input voltage: 220-240V
4. Operating temperature range between -20°C and 40°C
5. Storage temperature & humidity conditions  
-20°C up to +40°C  
95% relative humidity
6. Working temperature & humidity conditions  
-20°C up to +40°C  
95% relative humidity

## 6. Ordering Guide

Type reference	Product Number – 1 pcs	Product Number – 1 shipping unit	Number of pcs / ship. unit
CLASSIC P25 adv frosted E27	4052899911420	4052899911505	6

## 7. Lamp conformity

2004/108/EC Electromagnetic compatibility (EMC)

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

IEC/TR 62471-2 Photobiological safety of lamps and lamp systems - Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety

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

EN 61547 Electromagnetic compatibility immunity requirements

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

### Legend

L / leading edge

T / trailing edge

Brand	Model	Leading or Trailing	Dimming range	
			Max	Min
HPM	CAT250L HPM	L	99.7%	49.5%
Clipsal	E30 (32V500M)	L	98.3%	97.9%
Bticino	SM9350S	L	100.3%	34.0%
Panasonic	WEG57513K	L	100.3%	37.1%
Honyar 鸿雁	KT150	L	100.0%	38.7%
Panasonic	WMS549	L	104.1%	52.1%
Siemens	5TGO200-1CC1	L	100.3%	27.8%
CLIPSAL	E84752D500	T	101.0%	7.0%
Panasonic	WEJ57515	L	103.6%	21.6%
HPM	CAT200L HPM	L	103.6%	44.8%
DETA	6021	L	102.4%	6.2%

<sup>6</sup> Typical values. Test performed exemplary on PARATHOM CLASSIC P25 adv frosted

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.