

PARATHOM® CLASSIC B25 ADVANCED CLEAR SPARKLING



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

Product Offering

Type reference	Power	CCT	Luminous flux	CRI
Classic B25 adv clear sparkling E14	5W	2700K	250	80

1. Key Features and Benefits

- 5W LED lamp as high-quality replacement of 25W incandescent lamp
- E14 base
- Dimmable¹
- 2700K warm white
- reduces energy consumption up to 80%
- shock-proof and vibration-proof
- 25,000 hours lifetime
- UV and NIR radiation free
- Mercury free
- 4 years Osram Guarantee²

¹ See www.osram.com/dim

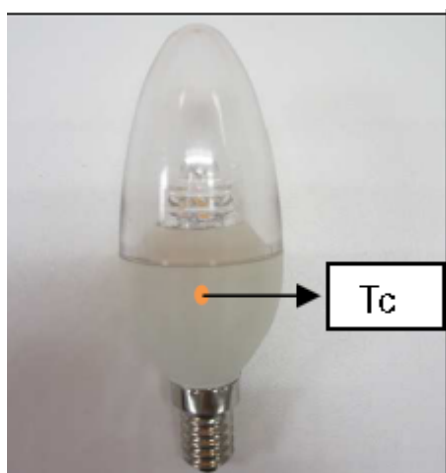
² See www.osram.com/guarantee

2. Common Characteristics

Average lifetime ⁴	Luminous Flux	Switching cycles (30s on, 30s off)	Casing material			Starting time	Warm up time for 60% light	Power factor
25,000h	250lm	200.000	Plastic			<1s	none	0.63
Mercury max.	Base Type	Length	Diameter	Weight	Tc temperature max. ⁵	Nominal current (steady state)	Max. inrush current	
0.0mg	E14	110mm	38mm	66g	90°C	32mA	1,35A	

3. Mounting information

Good heat exchange supports ideal performance



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

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)

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. Cost savings: example

Reference product description	Similar incandescent product	Watts saved	Cost saved after 4 year	Cost saved after 5 years	Cost saved end of life
CLASSIC B25 adv clear sparkling	CLASSIC B25	20W	96,32 €	124,50 €	144,21 €

Based on the assumption of 12hours/day on and an energy cost of 0.19€/kWh

7. Ordering Guide

Type reference	Product Number – 1pcs	Product Number – 1 shipping unit	Number of pcs / ship. unit
CLASSIC B25 adv clear sparkling E14	4008321979230	4008321979247	10

8. 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

9. Dimming behaviours ⁶

Legend					
L / leading edge			T / trailing edge		
Dimming behaviour					
Dimmer info Number of lamp under test: 1/3/5/10			Dimming range (%)		Note
Brand	Model	Type	Min	Max	
Lichtregler	He T10	L	33	100	
Busch	2250	L	20	100	
Pera/he	He T39.01	L	26	100	
Siemens	5TC8284	T	40	100	
ABB	STD 50-3	L	26	100	
Conrad	T46	T	30	100	
Legrand	775903	T	23	100	
Berker	2875	L	20	100	
PEHA	433HAB	T	20	100	
Tronic	51160	T	34	100	
Busch	6519U	T	60	100	
Busch	6513U-102	T	60	100	
PEHA	D80 .433V	L	20	100	
Everflourish	EF0700DA	L	20	100	
Everflourish	EFM700DB	L	20	100	
MK	S1535	L	20	100	
ELSO	ATD315	T	23	100	
ELSO	T30	L	17	100	
ELSO	T39.01	L	35	100	
Merten	5771-99	T	25	100	
Busch	2200	L	25	100	
Jung	225NV DE	L	40	100	
Bticino	SM9350S	L	16	100	
Clipsal	31E800T	T	50	85	
Clipsal	E20 serie	L	12	100	
Clipsal	32E450UDM	T	13	100	
Clipsal	E30	L	12	100	
HE	HE T10	L	18	100	
Clipsal	32E450LM	L	16	100	
Honyar	KT150	L	23	100	
Honyar	KT250	L	40	100	
Berker	281902	L	38	100	
Clipsal	32E450TM	T	27	100	
Panasonic	WEG57513K	L	27	85	
Schneider Electric	40600 RL	L	23	100	
Schneider-Electric	40300 RC	T	33	100	
HPM	CAT400T HPM	T	16	100	
Busch	2247U	L	27	100	
GIRA	0300 00/101	L	50	100	
GIRA	0307	00/102	45	100	

⁶ 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.