OSRAM

PRODUCT DATASHEET
SMART+ ZB CLA60 60 8.5 W E27

Starters for single operation at 230 V AC (ST 111, ST 171, ST 173) | Starters for single operation at 230 V AC

Areas of application

– General illumination
– Outdoor applications only in suitable luminaires

Product benefits

– Easy to install and use
– Up to 80 % less energy consumption compared to halogen lamps
– Contains no mercury

Product features

– LED Classic A lamp with wireless smart lighting function
– Dimmable
– Network protocol: Zigbee LL 2.0
– Lifetime up to 15,000 h
– Controllable via compatible smart home system (gateway and app) or SMART+ Switch
– For full functionality connection to a compatible smart home System (gateway and app) required

TECHNICAL DATA

Electrical data

Nominal wattage	8.5 W
Construction wattage	8.50 W
Nominal voltage	220 V
Claimed equiv. conventional lamp power	60 W
Nominal current	42 mA
Type of current	AC
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous flux	810 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	> 80
Light color	827
Standard deviation of color matching	≤6 sdcm

Light technical data

Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	110.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	72.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C

Lifespan

Number of switching cycles	100000

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value / Reset settings to default by switching the product on for five seconds and off for five seconds and repeating this five times.

Capabilities

Dimmable	Yes

Certificates & Standards

Energy efficiency class	A+ [1]
Energy consumption	8.50 kWh/1000h
Type of protection	IP20
Standards	CE

[1] Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

Order reference	SMART CLAS A60

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	110.00 mm
Height	60.00 mm
Width	60.00 mm

EQUIPMENT / ACCESSORIES

– Control via app requires LIGHTIFY system (app and gateway) or other compatible Smart home system

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	EU Declaration Smart EU Classic A
PDF	Declarations of conformity	EU declaration Smart Classic A series (E27 DIM+E27 TW)

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.