

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
- Adjustable light color via Tunable White: Warm White to Cool White (2,700 K...6,500 K)
- Dimmable
- Network protocol: ZigBee
- Lifetime: up to 20,000 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
Nominal useful luminous flux 90°	810 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Tunable White
Color temperature	2700...6500 K
Color rendering index Ra	80
Light color	827...865
Standard deviation of color matching	≤6 sdcn

Light technical data

Beam angle	160 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	115.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	102.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
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Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	0.90

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
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Certificates & Standards

Energy efficiency class	A+ ¹⁾
Energy consumption	9.00 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
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	115.00 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
	Declarations of conformity	EU Declaration Smart EU Classic A
	Declarations of conformity	EU declaration Smart Classic A series (E27 DIM+E27 TW)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075816534	Folding box 1	61 mm x 96 mm x 154 mm	173.00 g	0.90 dm ³
4058075816541	Shipping box 4	211 mm x 167 mm x 141 mm	682.00 g	4.97 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

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