

# PRODUCT DATASHEET

## SMART+ ZB CLA60 60 9 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
- Residential interiors
- Professional (hotels, bars, boutiques etc.)
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Wireless control via app
- Easy to install and use
- Contains no mercury
- Lower energy consumption than incandescent or halogen lamps

### Product features

- Controllable via compatible smart home system (gateway and app)
- Control via voice control available: Google Assistant or Amazon Alexa, depending on the smart home system in use
- Adjustable light color via Tunable White: Warm White to Cool White (2,700 K...6,500 K)
- Network protocol: ZigBee 3.0
- Dimmable
- Lifetime: up to 20,000 h
- For full functionality connection to a compatible smart home System (gateway and app) required



TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 9 W         |
| Construction wattage                   | 9.00 W      |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 60 W        |
| Nominal current                        | 75 mA       |
| Type of current                        | AC          |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Power factor $\lambda$                 | > 0.5       |

Photometrical data

|                                         |               |
|-----------------------------------------|---------------|
| Luminous flux                           | 806 lm        |
| Luminous efficacy                       | 89 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       |
| Flickering metric (Pst LM)              | 1.0           |
| Stroboscope effect metric (SVM)         | 0.90          |



Everlight 67-23ST KKE 2700K

Light technical data

|               |         |
|---------------|---------|
| Beam angle    | 240 °   |
| Starting time | < 0.5 s |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Overall length | 112.00 mm |
| Diameter       | 60.00 mm  |
| Product weight | 46.00 g   |

### Temperatures & operating conditions

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

### Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 20000 h |
| Lumen maintenance at end of service lifetime | 0.70    |

### 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                      | F 1)           |
| Energy consumption                           | 9.00 kWh/1000h |
| Type of protection                           | IP20           |
| Standards                                    | CE             |
| Photobiological safety group acc. to EN62778 | RG0            |

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

### Country-specific categorizations

|                 |                |
|-----------------|----------------|
| Order reference | SMART ZB A60TW |
|-----------------|----------------|

### Energy labelling regulation data acc EU 2019/2015

|                                                     |                |
|-----------------------------------------------------|----------------|
| Lighting technology used                            | LED            |
| Non-directional or directional                      | NDLS           |
| Mains or non-mains                                  | MLS            |
| Light source cap-type (or other electric interface) | E27            |
| Connected light source (CLS)                        | Yes            |
| Color-tuneable light source                         | Yes            |
| Envelope                                            | No             |
| High luminance light source                         | No             |
| Anti-glare shield                                   | No             |
| Correlated colour temperature type                  | RANGE          |
| Standby power                                       | 0.50           |
| Networked standby power for CLS                     | 0.50           |
| Claim of equivalent power                           | Yes            |
| Length                                              | 112.00 mm      |
| Height                                              | 60.00 mm       |
| Width                                               | 60.00 mm       |
| Chromaticity coordinate x                           | 0.458          |
| Chromaticity coordinate y                           | 0.410          |
| R9 Colour rendering index                           | 0.00           |
| Beam angle correspondence                           | SPHERE_360     |
| Survival factor                                     | 0,90           |
| Displacement factor                                 | 0.50           |
| EPREL ID                                            | 1403085,528185 |

### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

### 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) |

| Documents and certificates                                                        |                            | Document name                                               |
|-----------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------|
|  | Declarations of conformity | EC Declaration of Conformity SMART+ ZB CLA CLB CLP PAR16 HS |
|  | Declarations of conformity | EC Declaration Smart ZB A60                                 |
|  | EU Data Act                | SMART ZigBee Lamps and Luminaires                           |

| Photometric and lighting design files                                             |                             | Document name               |
|-----------------------------------------------------------------------------------|-----------------------------|-----------------------------|
|  | Spectral power distribution | Everlight 67-23ST KKE 2700K |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume   |
|---------------|------------------------------|--------------------------------------|--------------|----------|
| 4058075211643 | Shipping box<br>4            | 210 mm x 165 mm x 135 mm             | 613.00 g     | 4.68 dm³ |

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.