

# PRODUCT DATASHEET

## SMART+ ZB CLA60 60 9 W E27

SMART+ Classic Multicolour | Classic bulb shape with Zigbee technology



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### Areas of application

- General illumination
- Outdoor applications only in suitable luminaires

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### Product benefits

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

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### Product features

- LED Classic A lamp with wireless smart lighting function
- RGB color control, approx. 16 million color options adjustable
- 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

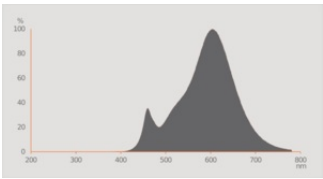
TECHNICAL DATA

Electrical data

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

Photometrical data

|                                         |               |
|-----------------------------------------|---------------|
| Light color (designation)               | RGBW          |
| Lumen main.fact.at end of nom.life time | 0.70          |
| Standard deviation of color matching    | $\leq 6$ sdcm |
| Nominal luminous flux                   | 806 lm        |
| Luminous flux                           | 806 lm        |
| Luminous efficacy                       | 89 lm/W       |
| Adjustable color temperature            | 2700...6500 K |
| Color temperature                       | 2700...6500 K |
| Color rendering index Ra                | 80            |
| Flickering metric (Pst LM)              | 1.0           |
| Stroboscope effect metric (SVM)         | 0.90          |



Light technical data

|               |                   |
|---------------|-------------------|
| Beam angle    | 240 °             |
| Starting time | < 0.5 s           |
| Light control | RGB color control |

## Dimensions & Weight

|                    |           |
|--------------------|-----------|
| Product weight     | 47.00 g   |
| Diameter           | 60.00 mm  |
| Length             | 112.00 mm |
| Width              | 60.00 mm  |
| Height             | 60.00 mm  |
| Outer bulb [PICOS] | A60       |

## Lifespan

|                                  |         |
|----------------------------------|---------|
| Lifespan                         | 20000 h |
| Lumen maintenance at end of serv | 0.70    |

## Colors & materials

|               |       |
|---------------|-------|
| Housing color | White |
|---------------|-------|

## Temperatures & operating conditions

|                           |            |
|---------------------------|------------|
| Ambient temperature range | 0...+25 °C |
|---------------------------|------------|

## Additional product data

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Base (standard designation) | E27                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Capabilities

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| Dimmable                         | Yes                                           |
| Compatible smart home technology | Philips Hue / Google Assistant / Amazon Alexa |

## Certificates & Standards

|                         |                |
|-------------------------|----------------|
| Energy efficiency class | F 1)           |
| Energy consumption      | 9.00 kWh/1000h |
| Standards               | CE             |
| Type of protection      | IP20           |

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

## 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             |
| 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            |
| LED light source replaces a fluorescent light source | No              |
| EPREL ID                                             | 1403080,528194  |
| Model number                                         | AC33907,AC25697 |

## EQUIPMENT / ACCESSORIES

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

## DOWNLOAD DATA

## Documents and certificates



Declarations Of Conformity CE

## Photometric and lighting design files



Spectral power distribution

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**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075208391 | Folding box<br>1             | 61 mm x 96 mm x 154 mm               | 121.00 g     | 0.90 dm <sup>3</sup> |
| 4058075211636 | Shipping box<br>4            | 210 mm x 165 mm x 135 mm             | 649.00 g     | 4.68 dm <sup>3</sup> |

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.

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**DISCLAIMER**

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