

# PRODUCT DATASHEET

## SMART ZB A60 TW 9W 220V FR E27

SMART+ Classic Tunable White | Classic bulb shape with Zigbee technology



### 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

### 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 |
| Nominal current                        | 55 mA       |
| Mains frequency                        | 50 Hz       |
| Power factor $\lambda$                 | > 0.5       |
| Claimed equiv. conventional lamp power | 60 W        |

### Photometrical data

|                                         |               |
|-----------------------------------------|---------------|
| Light color (designation)               | Tunable White |
| Lumen main.fact.at end of nom.life time | 0.95          |
| 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                | $\geq 80$     |
| Flickering metric (Pst LM)              | $\leq 1$      |
| Stroboscope effect metric (SVM)         | $\leq 0.4$    |



### Light technical data

|               |         |
|---------------|---------|
| Beam angle    | 200 °   |
| Starting time | < 0.5 s |

### Dimensions & Weight



|                    |           |
|--------------------|-----------|
| Product weight     | 55.00 g   |
| Diameter           | 60.00 mm  |
| Maximum diameter   | 60 mm     |
| Length             | 112.00 mm |
| Width              | 60 mm     |
| Height             | 60 mm     |
| Outer bulb [PICOS] | A60       |

Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Number of switching cycles                   | 100000  |
| Lifespan                                     | 20000 h |
| Lumen maintenance at end of service lifetime | 0.95    |

Colors & materials

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

Temperatures & operating conditions

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

Additional product data

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

Capabilities

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

Certificates & Standards

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

## 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                          | No         |
| Envelope                                             | No         |
| High luminance light source                          | No         |
| Anti-glare shield                                    | No         |
| Correlated colour temperature type                   | RANGE      |
| Standby power                                        | ☒ 0.5 W    |
| Networked standby power for CLS                      | ☒ 0.5 W    |
| Claim of equivalent power                            | Yes        |
| Chromaticity coordinate x                            | 0.4578     |
| Chromaticity coordinate y                            | 0.4101     |
| R9 Colour rendering index                            | > 0        |
| Beam angle correspondence                            | SPHERE_360 |
| Survival factor                                      | 0.90       |
| Displacement factor                                  | >0.5       |
| LED light source replaces a fluorescent light source | No         |
| EPREL ID                                             | 1160668    |
| Model number                                         | AC41282    |

## DOWNLOAD DATA

| Documents and certificates                                                         |                                 |
|------------------------------------------------------------------------------------|---------------------------------|
|  | Installation guide              |
|  | Declarations Of Conformity CE   |
|  | Declarations Of Conformity UKCA |
| Photometric and lighting design files                                              |                                 |
|  | Spectral power distribution     |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075729001 | Folding box<br>1             | 61 mm x 96 mm x 154 mm               | 121.00 g     | 0.90 dm <sup>3</sup> |
| 4058075729018 | Shipping box<br>4            | 210 mm x 165 mm x 135 mm             | 617.00 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.

DISCLAIMER

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