

# PRODUCT DATASHEET

## SMART ZB Filament Globe 52 DIM 6W 824 230V Gold E27

SMART+ Filament Globe Dimmable | Classic globe shape with filament-style 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
- Lower energy consumption than incandescent or halogen lamps

### Product features

- Control 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
- 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



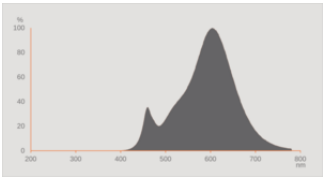
TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 6 W         |
| Construction wattage                   | 6.00 W      |
| Nominal voltage                        | 220...240 V |
| Nominal current                        | 34 mA       |
| Mains frequency                        | 50/60 Hz    |
| Power factor $\lambda$                 | > 0.5       |
| Claimed equiv. conventional lamp power | 52 W        |
| Operating mode                         | AC Mains    |

Photometrical data

|                                         |                    |
|-----------------------------------------|--------------------|
| Light color (designation)               | Comfort warm white |
| Lumen main.fact.at end of nom.life time | 0.93               |
| Standard deviation of color matching    | ≤6 sdcm            |
| Nominal luminous flux                   | 680 lm             |
| Luminous flux                           | 680 lm             |
| Luminous efficacy                       | 113 lm/W           |
| Adjustable color temperature            | 2400 K             |
| Color temperature                       | 2400 K             |
| Color rendering index Ra                | 80                 |
| Flickering metric (Pst LM)              | <1.0               |
| Stroboscope effect metric (SVM)         | <0.4               |



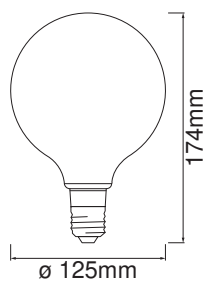
LISO spectral power distribution  
2700K CRI80 v1

Light technical data

|               |         |
|---------------|---------|
| Starting time | < 0.5 s |
|---------------|---------|

|                     |          |
|---------------------|----------|
| Warm-up time (60 %) | ≤ 0.50 s |
|---------------------|----------|

Dimensions & Weight



|                    |           |
|--------------------|-----------|
| Product weight     | 100.00 g  |
| Diameter           | 125.00 mm |
| Maximum diameter   | 125 mm    |
| Length             | 168.00 mm |
| Width              | 125.00 mm |
| Height             | 125.00 mm |
| Outer bulb [PICOS] | G125      |

Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Number of switching cycles                   | 100000  |
| Lifespan                                     | 15000 h |
| Lumen maintenance at end of service lifetime | 0.93    |

Colors & materials

|               |      |
|---------------|------|
| Product color | Gold |
| Housing color | Gold |

Temperatures & operating conditions

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °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 |
| Base (standard designation) | E27                                                                                                                                                                                                                                                                                                                                          |

### Capabilities

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| Dimmable                         | Yes <sup>1)</sup>                             |
| Compatible smart home technology | Amazon Alexa / Google Assistant / Philips Hue |

<sup>1)</sup> Via App

### Certificates & Standards

|                         |                 |
|-------------------------|-----------------|
| Energy efficiency class | E <sup>1)</sup> |
| Energy consumption      | 6.00 kWh/1000h  |
| Standards               | CE              |
| Type of protection      | IP20            |

<sup>1)</sup> 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                         | No           |
| Envelope                                            | No           |
| High luminance light source                         | No           |
| Anti-glare shield                                   | No           |
| Correlated colour temperature type                  | SINGLE_VALUE |
| Standby power                                       | 0.5 W        |
| Networked standby power for CLS                     | 0.5 W        |
| Claim of equivalent power                           | Yes          |
| Chromaticity coordinate x                           | 0.494        |
| Chromaticity coordinate y                           | 0.424        |
| R9 Colour rendering index                           | 0.00         |
| Beam angle correspondence                           | SPHERE_360   |

|                                                      |         |
|------------------------------------------------------|---------|
| Survival factor                                      | 0,9     |
| Displacement factor                                  | 0.5     |
| LED light source replaces a fluorescent light source | No      |
| EPREL ID                                             | 1160680 |
| Model number                                         | AC41294 |

### 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                     |
|------------------------------------------------------------------------------------|-----------------------------|-----------------------------------|
|    | Extended installation guide | G11201959_SMART_ZB                |
|    | Declarations of conformity  | SMART ZB FILAMENT                 |
|  | Declarations of conformity  | LED SMART ZB CL                   |
|  | EU Data Act                 | SMART ZigBee Lamps and Luminaires |

| Photometric and lighting design files                                               |                             | Document name                                   |
|-------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|
|  | Spectral power distribution | LISO spectral power distribution 2700K CRI80 v1 |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075729247 | Folding box<br>1             | 143 mm x 140 mm x 195 mm             | 188.00 g     | 3.90 dm <sup>3</sup>  |
| 4058075729254 | Shipping box<br>4            | 304 mm x 290 mm x 207 mm             | 1016.00 g    | 18.25 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.