

## PRODUCT DATASHEET

### ST GLOBE125 40 4 W/2700 K FIL CL E27

LED Retrofit CLASSIC GLOBE125 | LED lamps, classic ball shape



#### Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Very low energy consumption
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Design, dimensions, luminous flux comparable to an incandescent lamp
- Lamps with innovative LED "filament" technology

#### Product features

- LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Beam angle: up to 360°
- Lamp made of glass
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



TECHNICAL DATA

Electrical data

|                                          |             |
|------------------------------------------|-------------|
| Nominal wattage                          | 4 W         |
| Construction wattage                     | 4.00 W      |
| Nominal voltage                          | 220...240 V |
| Claimed equiv. conventional lamp power   | 40 W        |
| Nominal current                          | 35 mA       |
| Type of current                          | AC          |
| Inrush current                           | 2.59 A      |
| Operating frequency                      | 50/60 Hz    |
| Mains frequency                          | 50/60 Hz    |
| Max. lamp no. on circuit break. 10 A (B) | 28          |
| Max. lamp no. on circuit break. 16 A (B) | 46          |
| Total harmonic distortion                | 143 %       |
| Power factor $\lambda$                   | > 0.40      |

Photometrical data

|                                         |               |
|-----------------------------------------|---------------|
| Luminous flux                           | 470 lm        |
| Luminous efficacy                       | 117 lm/W      |
| Lumen main.fact.at end of nom.life time | 0.93          |
| Light color (designation)               | Warm White    |
| Color temperature                       | 2700 K        |
| Color rendering index Ra                | 80            |
| Light color                             | 827           |
| Standard deviation of color matching    | $\leq 6$ sdcm |
| Rated LLMF at 6,000 h                   | 0.80          |
| Flickering metric (Pst LM)              | $\leq 1.0$    |
| Stroboscope effect metric (SVM)         | $\leq 0.4$    |



## Light technical data

|                                    |          |
|------------------------------------|----------|
| Beam angle                         | 300 °    |
| Warm-up time (60 %)                | < 0.50 s |
| Starting time                      | < 0.5 s  |
| Rated beam angle (half peak value) | 300.00 ° |

## Dimensions &amp; Weight

|                  |           |
|------------------|-----------|
| Overall length   | 178.00 mm |
| Diameter         | 125.00 mm |
| Maximum diameter | 125 mm    |
| Product weight   | 88.00 g   |

## Temperatures &amp; operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 48.8 °C      |

## Lifespan

|                                       |         |
|---------------------------------------|---------|
| Lifespan                              | 15000 h |
| Number of switching cycles            | 100000  |
| Lumen maintenance at end of serv      | 0.93    |
| 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                                                                                                                                                                                                                                                                                                                                          |
| Design / version            | Clear                                                                                                                                                                                                                                                                                                                                        |
| 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 |

## Capabilities

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Certificates &amp; Standards

|                         |                |
|-------------------------|----------------|
| Energy efficiency class | E              |
| Energy consumption      | 4.00 kWh/1000h |

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Type of protection                           | IP20                                       |
| Standards                                    | CE / LVD / EMC / UKCA / ERP / ROHS / REACH |
| Photobiological safety group acc. to EN62778 | RG1                                        |

### Country-specific categorizations

|                 |                  |
|-----------------|------------------|
| Order reference | LED SG12540 4W/8 |
|-----------------|------------------|

### LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

### 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)                         | No           |
| Color-tuneable light source                          | No           |
| Envelope                                             | No           |
| High luminance light source                          | No           |
| Anti-glare shield                                    | No           |
| Correlated colour temperature type                   | SINGLE_VALUE |
| Claim of equivalent power                            | Yes          |
| Length                                               | 178.00 mm    |
| Height                                               | 125.00 mm    |
| Width                                                | 125.00 mm    |
| Chromaticity coordinate x                            | 0.463        |
| Chromaticity coordinate y                            | 0.420        |
| R9 Colour rendering index                            | >0           |
| Beam angle correspondence                            | SPHERE_360   |
| Survival factor                                      | 0.90         |
| LED light source replaces a fluorescent light source | No           |
| EPREL ID                                             | 1358111      |
| Model number                                         | AC44670      |

### DOWNLOAD DATA

## Documents and certificates



Declarations Of Conformity CE

## 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                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854054211 | Folding box<br>1             | 140 mm x 140 mm x 236 mm             | 167.00 g     | 4.63 dm <sup>3</sup>  |
| 4099854054228 | Shipping box<br>4            | 299 mm x 293 mm x 247 mm             | 835.00 g     | 21.64 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

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