

## PRODUCT DATASHEET

### ST CLAS B 25 2.5 W/4000 K E14

LED Retrofit CLASSIC B | LED lamps, classic mini-candle shape



#### Areas of application

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

#### Product benefits

- Lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Lower thermal output (compared with the standard reference product)
- Can be easily fitted instead of ordinary light bulbs
- Lower energy consumption than incandescent or halogen lamps

#### Product features

- Professional LED lamps for line voltage
- Not dimmable
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



- Lifetime up to 15,000 h
- Lamp made of glass

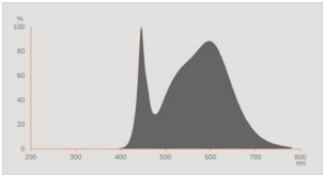
TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 2.5 W       |
| Construction wattage                   | 2.50 W      |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 25 W        |
| Nominal current                        | 19 mA       |
| Type of current                        | AC          |
| Inrush current                         | 1.5 A       |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Max. lamp number on MCB B10 A          | 263         |
| Max. lamp number on MCB B16 A          | 421         |
| Power factor $\lambda$                 | > 0.50      |

Photometrical data

|                                         |                     |
|-----------------------------------------|---------------------|
| Luminous flux                           | 250 lm              |
| Nominal useful luminous flux 90°        | 250 lm              |
| Luminous efficacy                       | 100 lm/W            |
| Lumen main.fact.at end of nom.life time | 0.70                |
| Light color (designation)               | Cool White          |
| Color temperature                       | 4000 K              |
| Color rendering index Ra                | ≥80                 |
| Light color                             | 840                 |
| Standard deviation of color matching    | ≤6 sdc <sub>m</sub> |
| Rated LLMF at 6,000 h                   | 0.80                |



LISO spectral power distribution  
4000K CRI80 v1

## Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 300 °    |
| Warm-up time (60 %) | < 0.50 s |
| Starting time       | < 0.5 s  |

## Dimensions &amp; Weight

|                  |           |
|------------------|-----------|
| Overall length   | 100.00 mm |
| Diameter         | 35.00 mm  |
| Maximum diameter | 35 mm     |
| Product weight   | 16.00 g   |

## Temperatures &amp; operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 50 °C        |

## Lifespan

|                                              |        |
|----------------------------------------------|--------|
| Number of switching cycles                   | 100000 |
| Lumen maintenance at end of service lifetime | 0.70   |
| Rated lamp survival factor at 6,000 h        | ≥ 0.90 |

## Additional product data

|                             |                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base (standard designation) | E14                                                                                                                                                                                                                                                                                                                                          |
| Mercury content             | 0.0 mg                                                                                                                                                                                                                                                                                                                                       |
| Mercury-free                | Yes                                                                                                                                                                                                                                                                                                                                          |
| Design / version            | Frosted                                                                                                                                                                                                                                                                                                                                      |
| 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 | F 1)           |
| Energy consumption      | 3.00 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 E (lowest efficiency)

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LEDSCLB252,5W/8 |
|-----------------|-----------------|

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

|                                                     |                |
|-----------------------------------------------------|----------------|
| Light source cap-type (or other electric interface) | E14            |
| Correlated colour temperature type                  | SINGLE_VALUE   |
| Length                                              | 100.00 mm      |
| Height                                              | 35.00 mm       |
| Width                                               | 35.00 mm       |
| EPREL ID                                            | 1402970,523057 |

### 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 | LED lamps CLA,B,G,P |

| Photometric and lighting design files                                               |                             | Document name                                   |
|-------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|
|  | Spectral power distribution | LISO spectral power distribution 4000K CRI80 v1 |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075436466 | Folding box<br>1             | 36 mm x 49 mm x 145 mm               | 28.00 g      | 0.26 dm <sup>3</sup> |
| 4058075107984 | Blister<br>1                 | 42 mm x 140 mm x 120 mm              | 31.00 g      | 0.71 dm <sup>3</sup> |
| 4058075116139 | Folding box<br>1             | 39 mm x 39 mm x 109 mm               | 25.00 g      | 0.17 dm <sup>3</sup> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075604223 | Shipping box<br>6            | 129 mm x 111 mm x 120 mm             | 223.00 g     | 1.72 dm <sup>3</sup> |
| 4058075107991 | Shipping box<br>6            | 262 mm x 153 mm x 132 mm             | 296.00 g     | 5.29 dm <sup>3</sup> |
| 4058075116146 | Shipping box<br>10           | 215 mm x 90 mm x 118 mm              | 309.00 g     | 2.28 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.