

PRODUCT DATASHEET

LED Star Classic B 25 Filament 2.5W 827 Clear 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



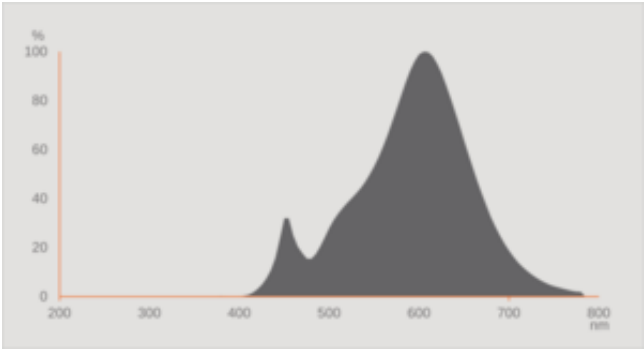
- Professional LED lamps for line voltage
- Not dimmable
- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity
- Lifetime up to 15,000 h
- Lamp made of glass

TECHNICAL DATA**Electrical data**

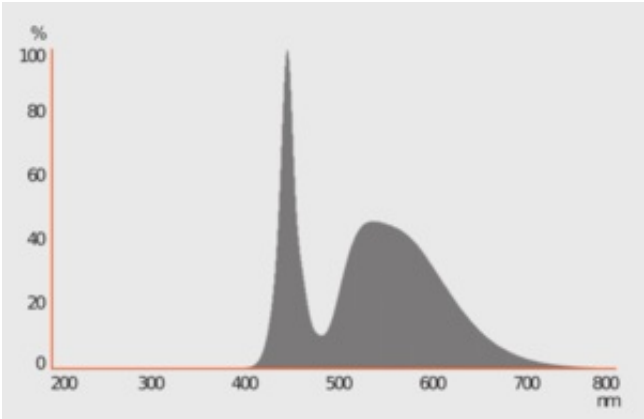
| | |
|--|-------------|
| Nominal wattage | 2.5 W |
| Construction wattage | 2.50 W |
| Nominal voltage | 220...240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 25 W |
| Nominal current | 19 mA |
| Type of current | AC |
| Inrush current | 1.8 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 250 |
| Max. lamp number on MCB B16 A | 400 |
| Power factor λ | ≥ 0.40 |

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 | 0.93 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | 80 |
| Light color | 827 |
| Standard deviation of color matching | ≤ 6 sdc _m |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | ≤ 0.4 |



EPREL data spectral diagram PROF LEDr 2700K



LISO spectral power distribution 6500K CRI80 v2

Light technical data

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

Dimensions & Weight

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

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 60 °C |

Lifespan

| | |
|--|---------|
| Lifespan L70/B50 at 25 °C | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |
| 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 | 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 & Standards

| | |
|--|-----------------|
| Energy efficiency class | F ¹⁾ |
| Energy consumption | 3.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / EAC |
| Photobiological safety group acc. to EN62778 | RG0 |

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

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LEDSCLB25 2,5W/ |
|-----------------|-----------------|

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) | E14 |
| 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 |
| Standby power | 0 W |
| Claim of equivalent power | Yes |

| | |
|--|----------------|
| Length | 100.00 mm |
| Height | 35.00 mm |
| Width | 35.00 mm |
| Chromaticity coordinate x | 0.463 |
| Chromaticity coordinate y | 0.420 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.40 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1402957,523087 |

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 |
|  | Declarations of conformity | EC Declaration of Conformity Classic A,B,P Lamp |
| Photometric and lighting design files | | Document name |
|  | Spectral power distribution | EPREL data spectral diagram PROF LEDr 2700K |
|  | Spectral power distribution | LISO spectral power distribution 6500K CRI80 v2 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4052899936416 | Blister 1 | 42 mm x 140 mm x 120 mm | 31.00 g | 0.71 dm ³ |
| 4052899415355 | Blister 2 | 41 mm x 140 mm x 185 mm | 60.00 g | 1.06 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075330498 | Folding box 2 | 36 mm x 71 mm x 145 mm | 46.00 g | 0.37 dm ³ |
| 4058075436688 | Folding box 1 | 36 mm x 49 mm x 145 mm | 28.00 g | 0.26 dm ³ |
| 4052899936485 | Shipping box 6 | 262 mm x 153 mm x 132 mm | 275.00 g | 5.29 dm ³ |
| 4052899415362 | Shipping box 12 | 262 mm x 153 mm x 201 mm | 436.00 g | 8.06 dm ³ |
| 4058075604803 | Shipping box 6 | 129 mm x 111 mm x 120 mm | 223.00 g | 1.72 dm ³ |
| 4058075330504 | Shipping box 10 | 199 mm x 81 mm x 118 mm | 251.00 g | 1.90 dm ³ |
| 4058075605671 | Shipping box 6 | 131 mm x 85 mm x 126 mm | 160.00 g | 1.40 dm ³ |
| 4052899936553 | 0 | | | |

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.