# PRODUCT DATASHEET
# LED Classic B 25 S 2.9W 927 Frosted E14

LED CLASSIC B LAMPS FROSTED S | LED lamps with CRI 97, B types




SUPERIOR CLASS

## Areas of application

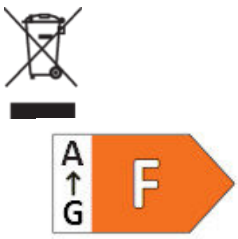
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

## Product benefits

- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding color rendering of CRI 97
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain
- Lower energy consumption than incandescent or halogen lamps
- Instant 100 % light, no warm-up time
- Low flickering

## Product features

- LED lamps for line voltage
- Color rendering index CRI 97



# TECHNICAL DATA

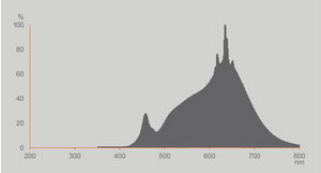
## Electrical data

| | |
|---|---|
| Nominal wattage | 2.9 W |
| Construction wattage | 2.90 W |
| Nominal voltage | 220…240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 25 W |
| Nominal current | 25 mA |
| Type of current | AC |
| Inrush current | 4.3 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 41 |
| Max. lamp number on MCB B16 A | 52 |
| Maximum total harmonic distortion | 173.70 % |
| Power factor λ | > 0.40 |

## Photometrical data

| | |
|---|---|
| Luminous flux | 250 lm |
| Luminous efficacy | 86 lm/W |
| Lumen main.fact.at end of nom.life time | 0.97 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | 97 |
| Light color | 927 |
| Standard deviation of color matching | ≤6 sdcm |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |


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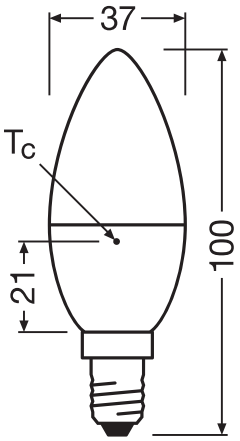


Spectral graph classic B 2700K

## Light technical data

| | |
|---|---|
| Beam angle | 200 ° |
| Warm-up time (60 %) | ‹ 0.50 s |
| Starting time | < 0.5 s |

## Dimensions & Weight




| | |
|---|---|
| Overall length | 100.00 mm |
| Diameter | 37.00 mm |
| Maximum diameter | 37 mm |
| Product weight | 16.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+40 °C |
| Maximum temperature at tc test point | 90 °C |


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## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 30000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.97 |

## 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 & Standards

| | |
|---|---|
| Energy efficiency class | F [1)] |
| Energy consumption | 3.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / UKCA / 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 | LED CLB25 2.9W |

## 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 |


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| | |
|---|---|
| Color-tuneable light source | No |
| Envelope | No |
| High luminance light source | No |
| Anti-glare shield | No |
| Correlated colour temperature type | SINGLE_VALUE |
| Standby power | 0.00 W |
| Claim of equivalent power | Yes |
| Length | 100.00 mm |
| Height | 37.00 mm |
| Width | 37.00 mm |
| Chromaticity coordinate x | 0.458 |
| Chromaticity coordinate y | 0.410 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | >0.7 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1351535,1838224 |
| Model number | AC45034,AC55974,AC55974 |

## 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 |
|---|---|---|
| PDF | Declarations of conformity | Classic A_B_P 15000h FR |
| PDF | Declarations of conformity | LED CLASSIC / LED STICK |
| PDF | Declarations of conformity UKCA | LED CLASSIC / LED STICK |

| | Photometric and lighting design files | Document name |
|---|---|---|
| | Spectral power distribution | Spectral graph classic B 2700K |


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## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854075445 | Folding box<br>1 | 38 mm x 38 mm x 102 mm | 25.00 g | 0.15 $dm^3$ |
| 4099854075452 | Shipping box<br>10 | 200 mm x 86 mm x 119 mm | 314.00 g | 2.05 $dm^3$ |

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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