# PRODUCT DATASHEET

## LED Classic B 40 Filament Energy efficiency class A S 2.2W 827 Frosted E14

LED CLASSIC B ENERGY EFFICIENCY A S | LED lamps, classic candle shape, ENERGY EFFICIENCY CLASS A




SUPERIOR CLASS

### 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 a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

### Product features

- LED lamps for line voltage
- Luminous efficacy: up to 210 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles 500,000



# TECHNICAL DATA

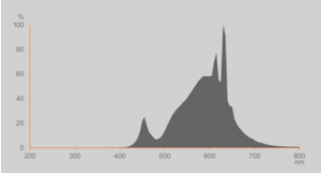
## Electrical data

| | |
|---|---|
| Nominal wattage | 2.2 W |
| Construction wattage | 2.20 W |
| Nominal voltage | 220…240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 40 W |
| Nominal current | 20 mA |
| Type of current | AC |
| Inrush current | 1.44 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 151 |
| Max. lamp number on MCB B16 A | 180 |
| Maximum total harmonic distortion | 140 % |
| Power factor λ | 0.40 |

## Photometrical data

| | |
|---|---|
| Luminous flux | 470 lm |
| Luminous efficacy | 213 lm/W |
| Lumen main.fact.at end of nom.life time | 0.96 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | 80 |
| Light color | 827 |
| Standard deviation of color matching | ≤6 sdcm |
| Flickering metric (Pst LM) | ≤1.0 |
| Stroboscope effect metric (SVM) | ≤0.4 |


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EPREL Data Spectral Diagram LEDr _2700K_EELB

## Light technical data

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

## Dimensions & Weight



| | |
|---|---|
| Overall length | 101.00 mm |
| Diameter | 35.00 mm |
| Maximum diameter | 35 mm |
| Product weight | 16.5 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+40 °C |
| Maximum temperature at tc test point | 58 °C |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 50000 h |
| Number of switching cycles | 500000 |
| Lumen maintenance at end of service lifetime | 0.96 |

## Additional product data

| | |
|---|---|
| Base (standard designation) | E14 |
| Mercury content | 0.0 mg |


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| | |
|---|---|
| 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 | A [1)] |
| Energy consumption | 3.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / EAC / UKCA |
| Photobiological safety group acc. to EN62778 | RG1 |

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

## Country-specific categorizations

| | |
|---|---|
| Order reference | LEDCLB40EELA 2. |

## 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 |
| Networked standby power for CLS | Not relevant |
| Claim of equivalent power | Yes |


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| | |
|---|---|
| Length | 101.00 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 | 0.50 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1867681,2185126,2505750 |
| Model number | AC57855,AC70000,AC92503,AC57855,AC92503 |

## 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 | LED lamp |
| PDF | Declarations of conformity | LED lamps |
| PDF | Declarations of conformity | LED lamps |
| PDF | Declarations of conformity UKCA | LED lamp |
| PDF | Declarations of conformity UKCA | LED lamps |
| PDF | Declarations of conformity UKCA | LED lamps |

| | Photometric and lighting design files | Document name |
|---|---|---|
| | Spectral power distribution | EPREL Data Spectral Diagram LEDr _2700K_EELB |


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## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854255281 | Folding box<br>1 | 39 mm x 39 mm x 109 mm | 25.50 g | 0.17 $dm^3$ |
| 4099854255298 | Shipping box<br>10 | 205 mm x 87 mm x 123 mm | 303.00 g | 2.19 $dm^3$ |

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.

## References / Links

- For dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

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