

## PRODUCT DATASHEET

### LED Classic B 40 P 4.9W 827 Frosted E14

PARATHOM® 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
- Can be easily fitted instead of ordinary light bulbs
- Lower thermal output (compared with the standard reference product)

#### Product features

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Not dimmable
- Base: E14
- Lifetime: up to 15,000 h
- Lamp made of glass
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



TECHNICAL DATA

Electrical data

|                                          |             |
|------------------------------------------|-------------|
| Nominal wattage                          | 4.9 W       |
| Construction wattage                     | 4.90 W      |
| Nominal voltage                          | 220...240 V |
| Claimed equiv. conventional lamp power   | 40 W        |
| Nominal current                          | 36 mA       |
| Type of current                          | AC          |
| Inrush current                           | 10 A        |
| Operating frequency                      | 50...60 Hz  |
| Mains frequency                          | 50...60 Hz  |
| Max. lamp no. on circuit break. 10 A (B) | 210         |
| Max. lamp no. on circuit break. 16 A (B) | 320         |
| Total harmonic distortion                | 125 %       |
| Power factor $\lambda$                   | > 0.50      |

Photometrical data

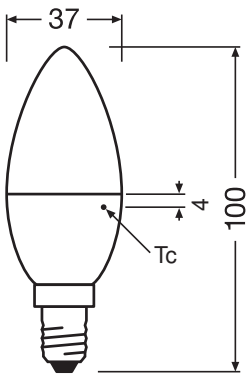
|                                         |                     |
|-----------------------------------------|---------------------|
| Luminous flux                           | 470 lm              |
| Nominal useful luminous flux 90°        | 470 lm              |
| Luminous efficacy                       | 95 lm/W             |
| Lumen main.fact.at end of nom.life time | 0.70                |
| Light color (designation)               | Warm White          |
| Color temperature                       | 2700 K              |
| Color rendering index Ra                | ≥80                 |
| Light color                             | 827                 |
| Standard deviation of color matching    | ≤6 sdc <sub>m</sub> |
| Rated LLMF at 6,000 h                   | 0.80                |
| Flickering metric (Pst LM)              | 1.0                 |
| Stroboscope effect metric (SVM)         | 0.9                 |



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   | 18.00 g   |

Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 78 °C        |

Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 15000 h |
| 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 |

Capabilities

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

Certificates & Standards

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Energy efficiency class                      | F <sup>1)</sup>                  |
| Energy consumption                           | 5.00 kWh/1000h                   |
| Type of protection                           | IP20                             |
| Standards                                    | ROHS 2.0 / REACH / CE / CB / ERP |
| 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 | LEDPCLB40 4,9W/ |
|-----------------|-----------------|

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   |
| 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        |
| Beam angle correspondence                            | SPHERE_360   |
| Survival factor                                      | 0.90         |
| LED light source replaces a fluorescent light source | No           |
| EPREL ID                                             | 523316       |
| Model number                                         | AC31158      |

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               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075593237 | Folding box<br>1             | 38 mm x 38 mm x 108 mm               | 26.00 g      | 0.16 dm <sup>3</sup> |
| 4058075593244 | Shipping box<br>10           | 198 mm x 84 mm x 119 mm              | 321.00 g     | 1.98 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.