

## PRODUCT DATASHEET

### P CLAS B 40 4.8 W/2700 K E14

PARATHOM® CLASSIC B DIM | Dimmable LED lamps, classic bulb shape



#### Areas of application

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

#### Product benefits

- Design, dimensions, luminous flux comparable to an incandescent lamp
- Lower energy consumption than incandescent or halogen lamps
- Robust against vibrations
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs

#### Product features

- Professional LED lamps for line voltage
- Dimmable
- Lifetime up to 15,000 h
- Beam angle: up to 300°
- Lamp made of glass



- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity

TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 4.8 W       |
| Construction wattage                   | 4.80 W      |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 40 W        |
| Nominal current                        | 26 mA       |
| Type of current                        | AC          |
| Inrush current                         | 0,07 A      |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Max. lamp number on MCB B10 A          | 100         |
| Max. lamp number on MCB B16 A          | 150         |
| Power factor $\lambda$                 | > 0.70      |

Photometrical data

|                                         |            |
|-----------------------------------------|------------|
| Luminous flux                           | 470 lm     |
| Nominal useful luminous flux 90°        | 470 lm     |
| Luminous efficacy                       | 97 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     |
| 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

## Light technical data

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

## Dimensions &amp; Weight

|                  |          |
|------------------|----------|
| Overall length   | 97.00 mm |
| Diameter         | 35.00 mm |
| Maximum diameter | 35 mm    |
| Product weight   | 13.00 g  |

## Temperatures &amp; operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 75 °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            | Clear                                                                                                         |
| Product remark              | Dimmable (with many common dimmers, see also <a href="http://www.ledvance.com/dim">www.ledvance.com/dim</a> ) |

## Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## Certificates &amp; Standards

|                         |                |
|-------------------------|----------------|
| Energy efficiency class | F 1)           |
| Energy consumption      | 5.00 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 | LEDPCLB40D 4,8W |
|-----------------|-----------------|

### 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                                        | 0.0          |
| Networked standby power for CLS                      | 0.0          |
| Claim of equivalent power                            | Yes          |
| Length                                               | 97.00 mm     |
| Height                                               | 35.00 mm     |
| Width                                                | 35.00 mm     |
| Chromaticity coordinate x                            | 0.458        |
| Chromaticity coordinate y                            | 0.410        |
| R9 Colour rendering index                            | >0           |
| Beam angle correspondence                            | SPHERE_360   |
| Survival factor                                      | 0.90         |
| LED light source replaces a fluorescent light source | No           |
| EPREL ID                                             | 523170       |
| Model number                                         | AC32336      |

### 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 CLA CLB CLP T26 CL GLOBE125             |
| Photometric and lighting design files                                            |                                     | Document name                               |
|  | IES file (IES)                      | LED PCLB40 D 2700 E14                       |
|  | LDT file (Eulumdat)                 | LED PCLB40 D 2700 E14                       |
|  | Light distribution curve type polar | LED PCLB40 D 2700 E14                       |
|  | Spectral power distribution         | EPREL data spectral diagram PROF LEDr 2700K |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075591219 | Folding box<br>1             | 39 mm x 39 mm x 109 mm               | 27.00 g      | 0.17 dm <sup>3</sup> |
| 4058075591226 | Shipping box<br>10           | 205 mm x 87 mm x 123 mm              | 319.00 g     | 2.19 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.