

# PRODUCT DATASHEET

## P CLAS P 40 4.8 W/2700 K B22d

PARATHOM® Retrofit CLASSIC P 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
- Very low energy consumption
- Robust against vibrations
- Lamps with innovative LED "filament" technology
- 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 color rendering ( $R_a \geq 80$ ) and color stability throughout the life of the lamp



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 no. on circuit break. 10 A (B) | 100         |
| Max. lamp no. on circuit break. 16 A (B) | 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 sdcm    |
| Rated LLMF at 6,000 h                   | 0.80       |
| Flickering metric (Pst LM)              | 1.0        |
| Stroboscope effect metric (SVM)         | 0.4        |



## Light technical data

|                                    |          |
|------------------------------------|----------|
| Beam angle                         | 320 °    |
| Warm-up time (60 %)                | < 0.50 s |
| Starting time                      | < 0.5 s  |
| Rated beam angle (half peak value) | 320.00 ° |

## Dimensions &amp; Weight

|                  |          |
|------------------|----------|
| Overall length   | 76.00 mm |
| Diameter         | 45.00 mm |
| Maximum diameter | 45 mm    |
| Product weight   | 18.00 g  |

## Temperatures &amp; operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 75 °C        |

## Lifespan

|                                     |         |
|-------------------------------------|---------|
| Lifespan                            | 15000 h |
| Number of switching cycles          | 100000  |
| Lumen maintenance at end of serv    | 0.70    |
| Rated lamp survival factor at 6,000 | ≥ 0.90  |

## Additional product data

|                             |                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------|
| Base (standard designation) | B22d                                                                                                          |
| Mercury content             | 0.0 mg                                                                                                        |
| Mercury-free                | Yes                                                                                                           |
| Design / version            | Frosted                                                                                                       |
| 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 <sup>1)</sup> |
| 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 | LEDPCLP40D 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)  | B22d         |
| 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                                               | 76.00 mm     |
| Height                                               | 45.00 mm     |
| Width                                                | 45.00 mm     |
| Chromaticity coordinate x                            | 0.458        |
| Chromaticity coordinate y                            | 0.410        |
| R9 Colour rendering index                            | 0.00         |
| Beam angle correspondence                            | SPHERE_360   |
| Survival factor                                      | 0.90         |
| LED light source replaces a fluorescent light source | No           |
| EPREL ID                                             | 523123       |
| Model number                                         | AC32298      |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075590793 | Folding box<br>1             | 46 mm x 46 mm x 93 mm                | 28.00 g      | 0.20 dm <sup>3</sup> |



| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075590809 | Shipping box<br>10           | 240 mm x 101 mm x 108 mm             | 338.00 g     | 2.62 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.

