# PRODUCT DATASHEET
# P CLAS A 100 14 W/2700 K E27

## PARATHOM® CLASSIC A | LED lamps, classic bulb shape

### Areas of application

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

### Product benefits

– Lower energy consumption than incandescent or halogen lamps
– Easy replacement of classic lamps thanks to compact design
– Instant 100 % light, no warm-up time

### Product features

– Professional LED lamps for line voltage
– Not dimmable
– Lifetime up to 15,000 h
– Good quality of light; color rendering index $R_a$: ≥ 80; constant chromaticity

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 14 W |
| Construction wattage | 14.00 W |
| Nominal voltage | 220…240 V |
| Claimed equiv. conventional lamp power | 100 W |
| Nominal current | 110 mA |
| Type of current | AC |
| Inrush current | 6.36 A |
| Operating frequency | 50…60 Hz |
| Mains frequency | 50…60 Hz |
| Max. lamp number on MCB B10 A | 64 |
| Max. lamp number on MCB B16 A | 103 |
| Power factor $\lambda$ | > 0.50 |

### Photometrical data

| | |
|---|---|
| Luminous flux | 1521 lm |
| Nominal useful luminous flux 90° | 1521 lm |
| Luminous efficacy | 108 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 |

### Light technical data

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

### Dimensions & Weight

| | |
|---|---|
| Overall length | 120.00 mm |
| Diameter | 60.00 mm |
| Maximum diameter | 60 mm |

| Product weight | 71.00 g |
|---|---|

## Temperatures & operating conditions

| Ambient temperature range | -15…+40 °C |
|---|---|
| Maximum temperature at tc test point | 96.7 °C |

## Lifespan

| 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) | E27 |
|---|---|
| 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 | A+ [1] |
|---|---|
| Energy consumption | 14.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE |
| Photobiological safety group acc. to EN62778 | RG0 |

[1] Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

## Country-specific categorizations

| Order reference | LEDPCLA100 14W/ |
|---|---|

## Energy labelling regulation data acc EU 2019/2015

| Light source cap-type (or other electric interface) | E27 |
|---|---|
| Length | 120.00 mm |

| | |
|---|---|
| Height | 60.00 mm |
| Width | 60.00 mm |

## Safety advice

– Do not touch the lamp if broken.
– Must not be used if outer bulb is defective.

## DOWNLOAD DATA

| | Photometric and lighting design files | Document name |
|---|---|---|
| | IES file (IES) | LED P CLAS A 100 FR 14.0 W 827 E27 |
| | LDT file (Eulumdat) | LED P CLAS A 100 FR 14.0 W 827 E27 |
| | UGR file (UGR table) | LED P CLAS A 100 FR 14.0 W 827 E27 |
| | Light distribution curve type cone | LED P CLAS A 100 FR 14.0 W 827 E27 |
| | Light distribution curve type polar | LED P CLAS A 100 FR 14.0 W 827 E27 |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075292109 | Folding box 1 | 60 mm x 60 mm x 120 mm | 87.00 g | 0.43 dm$^3$ |
| 4058075292116 | Shipping box 10 | 315 mm x 131 mm x 134 mm | 970.00 g | 5.53 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 further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
– For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.