

## PRODUCT DATASHEET

### P CLAS A 200 24 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

- Low energy consumption
- 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  $R_a \geq 80$ ; constant chromaticity



TECHNICAL DATA

Electrical data

|                                          |             |
|------------------------------------------|-------------|
| Nominal wattage                          | 24 W        |
| Construction wattage                     | 24.00 W     |
| Nominal voltage                          | 220...240 V |
| Claimed equiv. conventional lamp power   | 200 W       |
| Nominal current                          | 200 mA      |
| Type of current                          | AC          |
| Inrush current                           | 0.36 A      |
| Operating frequency                      | 50...60 Hz  |
| Mains frequency                          | 50...60 Hz  |
| Max. lamp no. on circuit break. 10 A (B) | 30          |
| Max. lamp no. on circuit break. 16 A (B) | 50          |
| Power factor $\lambda$                   | > 0.50      |

Photometrical data

|                                         |               |
|-----------------------------------------|---------------|
| Luminous flux                           | 3452 lm       |
| Nominal useful luminous flux 90°        | 3452 lm       |
| Luminous efficacy                       | 143 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    | $\leq 6$ 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   | 162.00 mm |
| Diameter         | 95.00 mm  |
| Maximum diameter | 95 mm     |
| Product weight   | 90.00 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) | E27     |
| Mercury content             | 0.0 mg  |
| Design / version            | Frosted |

## Capabilities

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

## Certificates &amp; Standards

|                         |                 |
|-------------------------|-----------------|
| Energy efficiency class | D <sup>1)</sup> |
| Energy consumption      | 24.00 kWh/1000h |

|                                              |          |
|----------------------------------------------|----------|
| Type of protection                           | IP20     |
| Standards                                    | CE / EAC |
| 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 | LEDPCA200 24W/ |
|-----------------|----------------|

### 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)  | E27          |
| 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                                               | 162.00 mm    |
| Height                                               | 95.00 mm     |
| Width                                                | 95.00 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         |
| Displacement factor                                  | 0.70         |
| LED light source replaces a fluorescent light source | No           |
| EPREL ID                                             | 692685       |
| Model number                                         | AC35012      |

### DOWNLOAD DATA

**Documents and certificates**

Declarations Of Conformity CE

**Photometric and lighting design files**

IES file (IES)



LDC typ polar



Spectral power distribution

**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075619111 | Folding box<br>1             | 95 mm x 95 mm x 167 mm               | 126.00 g     | 1.51 dm <sup>3</sup> |
| 4058075619128 | Shipping box<br>4            | 201 mm x 201 mm x 174 mm             | 656.00 g     | 7.03 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.

**References / Links**

- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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