

## PRODUCT DATASHEET

### P CLAS A 150 21 W/2700 K E27

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



#### Areas of application

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

#### Product benefits

- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design

#### Product features

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Long lifetime up to 25,000 h
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



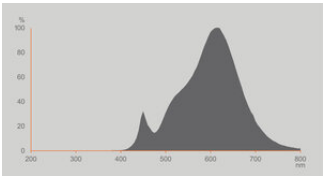
TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 21 W        |
| Construction wattage                   | 21.00 W     |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 150 W       |
| Nominal current                        | 110 mA      |
| Type of current                        | AC          |
| Inrush current                         | 15 A        |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Max. lamp number on MCB B10 A          | 79          |
| Max. lamp number on MCB B16 A          | 122         |
| Power factor $\lambda$                 | > 0.90      |

Photometrical data

|                                         |            |
|-----------------------------------------|------------|
| Luminous flux                           | 2452 lm    |
| Nominal useful luminous flux 90°        | 2452 lm    |
| Luminous efficacy                       | 116 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 sdcn    |
| Rated LLMF at 6,000 h                   | 0.80       |
| Flickering metric (Pst LM)              | 1.0        |
| Stroboscope effect metric (SVM)         | 0.4        |



Spectral graphic classic B P 2700K  
DIM

## Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 200 °    |
| Warm-up time (60 %) | < 1.00 s |
| Starting time       | < 0.5 s  |

## Dimensions &amp; Weight

|                  |           |
|------------------|-----------|
| Overall length   | 143.00 mm |
| Diameter         | 67.00 mm  |
| Maximum diameter | 67 mm     |
| Product weight   | 210.00 g  |

## Temperatures &amp; operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 110 °C       |

## Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 25000 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) | 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 / LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance) |

## Capabilities

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

### Certificates & Standards

|                                              |                 |
|----------------------------------------------|-----------------|
| Energy efficiency class                      | E <sup>1)</sup> |
| Energy consumption                           | 21.00 kWh/1000h |
| Type of protection                           | IP20            |
| Standards                                    | CE / ROHS / ERP |
| Photobiological safety group acc. to EN62778 | RG0             |

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

### Country-specific categorizations

|                 |                              |
|-----------------|------------------------------|
| ILCOS           | DRAA/F-21/827-220-240-E27-60 |
| Order reference | LEDPCA150D 21W               |

### 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 W          |
| Claim of equivalent power                           | Yes          |
| Length                                              | 143.00 mm    |
| Height                                              | 67.00 mm     |
| Width                                               | 67.00 mm     |
| Chromaticity coordinate x                           | 0.4578       |
| Chromaticity coordinate y                           | 0.4101       |
| R9 Colour rendering index                           | 1            |
| Beam angle correspondence                           | SPHERE_360   |
| Survival factor                                     | 0.90         |
| Displacement factor                                 | 0.97         |

|                                                      |         |
|------------------------------------------------------|---------|
| LED light source replaces a fluorescent light source | No      |
| EPREL ID                                             | 1403229 |
| Model number                                         | AC24715 |

## DOWNLOAD DATA

| Documents and certificates                                                         |                                     | Document name                                              |
|------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------|
|    | Declarations of conformity          | Declaration of Conformity LED Classic A, B, P, Stick Lamps |
| Photometric and lighting design files                                              |                                     | Document name                                              |
|    | IES file (IES)                      | AC10701_CLA150D 21W 230VFR E27                             |
|    | LDT file (Eulumdat)                 | AC10701_CLA150D 21W 230VFR E27                             |
|    | Light distribution curve type polar | LEDPCLA150D 21W 827 230VFR E27 FS1 OSRAM                   |
|    | Light distribution curve type polar | LEDPCLA150D FR 21W 827 230V E27 FS1 OSRAM                  |
|    | Light distribution curve type polar | LEDPCLA150D 21W 827 230VFR E27 FS1 OSRAM                   |
|  | Spectral power distribution         | Spectral graphic classic B P 2700K DIM                     |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075462632 | Folding box<br>1             | 67 mm x 67 mm x 145 mm               | 235.00 g     | 0.65 dm <sup>3</sup> |
| 4058075462649 | Shipping box<br>10           | 348 mm x 145 mm x 159 mm             | 2500.00 g    | 8.02 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 dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- 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)

## DISCLAIMER

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

