

PRODUCT DATASHEET LED Classic A 200 DIM P 24.9W 827 Frosted 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)
- Long lifetime up to 25,000 h
- Good quality of light; color rendering index $R_{a}\!\!:$ \geq 80; constant chromaticity



Frosted E27



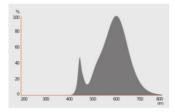
TECHNICAL DATA

Electrical data

| Nominal wattage | 24.9 W |
|----------------------------------------|----------|
| Construction wattage | 24.90 W |
| Nominal voltage | 220240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 200 W |
| Nominal current | 120 mA |
| Type of current | AC |
| Inrush current | 5.4 A |
| Operating frequency | 5060 Hz |
| Mains frequency | 5060 Hz |
| Max. lamp number on MCB B10 A | 8 |
| Max. lamp number on MCB B16 A | 13 |
| Total harmonic distortion | 23 % |
| Power factor λ | > 0.70 |

Photometrical data

| Luminous flux | 3452 lm |
|-----------------------------------------|------------|
| Nominal useful luminous flux 90° | 3452 lm |
| Luminous efficacy | 138 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) | 0.9 |
| | |



349927_2700K_Evl_5630.eps

Light technical data

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

Dimensions & Weight

| Overall length | 184.00 mm |
|------------------|-----------|
| Diameter | 90.00 mm |
| Maximum diameter | 90 mm |
| Product weight | 118.00 g |

Temperatures & operating conditions

| Ambient temperature range | -20+40 °C |
|--------------------------------------|-----------|
| Maximum temperature at to test point | 79 °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 |
| Product remark | Dimmable (with many common dimmers, see also www.ledvance.com/dim) |

Capabilities

| Dimmab | e | Yes 1) |
|--------|---|--------|
| | | |

¹⁾ Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

| Energy efficiency class | E 1) |
|----------------------------------------------|-----------------|
| Energy consumption | 25.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE |
| 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 | LEDPCLA200D 24, |
|-----------------|-----------------|
| | |

LOGISTICAL DATA

| Temperature range at storage | -20+80 °C |
|------------------------------|-----------|
| | |

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 | 0.00 |
| Networked standby power for CLS | 0.0 |

| Claim of equivalent power | Yes |
|------------------------------------------------------|------------|
| Length | 184.00 mm |
| Height | 90.00 mm |
| Width | 90.00 mm |
| Chromaticity coordinate x | 0.458 |
| Chromaticity coordinate y | 0.410 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.70 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 671016 |
| Model number | AC36027 |

DOWNLOAD DATA

| | Documents and certificates | Document name | |
|-----|---------------------------------------|-----------------------------|--|
| PDF | Declarations of conformity | LED CL A FR 200 lamp series | |
| | Photometric and lighting design files | Document name | |
| | Spectral power distribution | 349927_2700K_Evl_5630.eps | |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075659704 | Folding box 1 | 93 mm x 93 mm x 188 mm | 269.00 g | 1.63 dm ³ |
| 4058075659711 | Shipping box 10 | 475 mm x 196 mm x 202 mm | 2877.00 g | 18.81 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 dimming conformity see www.ledvance.com/dim
- 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.

Frosted E27