

PRODUCT DATASHEET

P CLAS A 100 13 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)
- 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	13 W
Construction wattage	13.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	60 mA
Type of current	AC
Inrush current	8 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	70
Max. lamp number on MCB B16 A	120
Power factor λ	> 0.90

Photometrical data

Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	117 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

Light technical data

Beam angle	220 °
Warm-up time (60 %)	< 1.00 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	120.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm

Product weight	70.00 g
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Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	98 °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 / 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
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Certificates & Standards

Energy efficiency class	E ¹⁾
Energy consumption	13.00 kWh/1000h
Type of protection	IP20
Standards	CE / ROHS / ERP
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LEDPCLA100D 13W
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Correlated colour temperature type	SINGLE_VALUE
Length	120.00 mm
Height	60.00 mm
Width	60.00 mm
EPREL ID	1403219
Model number	AC24703

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075462618	Folding box 1	61 mm x 61 mm x 120 mm	86.00 g	0.45 dm ³
4058075462625	Shipping box 10	318 mm x 133 mm x 134 mm	970.00 g	5.67 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.