

# PRODUCT DATASHEET LED Classic P 25 P 2.5W 827 Frosted E27

PARATHOM® CLASSIC P | LED lamps, classic mini-ball shape



#### Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

#### **Product benefits**

- Lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs

#### **Product features**

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Not dimmable
- Lifetime: up to 15,000 h





- Lamp made of glass
- Good quality of light; color rendering index  $R_a$ :  $\geq$  80; constant chromaticity

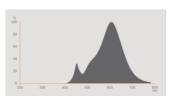
## **TECHNICAL DATA**

## Electrical data

Nominal wattage	2.5 W
Construction wattage	2.50 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	25 W
Nominal current	19 mA
Type of current	AC
Inrush current	1.8 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp no. on circuit break. 10 A (B)	250
Max. lamp no. on circuit break. 16 A (B)	400
Power factor $\lambda$	> 0.50

#### Photometrical data

Luminous flux	250 lm
Nominal useful luminous flux 90°	250 lm
Luminous efficacy	100 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



# Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

## **Dimensions & Weight**

Overall length	77.00 mm
Diameter	45,0 mm
Maximum diameter	45 mm
Product weight	20.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	60 °C

## Lifespan

Lifespan L70/B50 at 25 °C	15000 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

# **Capabilities**

Dimmable	
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## Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	3.00 kWh/1000h
Type of protection	IP20

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Standards	CE / EAC
Photobiological safety group acc. to EN62778	RGO

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

# Country-specific categorizations

Order reference	LEDPCLP25 2,5W/	
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	
Claim of equivalent power	Yes	
Length	77.00 mm	
Height	45,0 mm	
Width	45,0 mm	
Chromaticity coordinate x	0.463	
Chromaticity coordinate y	0.420	
R9 Colour rendering index	0.00	
Beam angle correspondence	SPHERE_360	
Survival factor	0.90	
Displacement factor	0.40	
LED light source replaces a fluorescent light source	No	
EPREL ID	523051	
Model number	AC32441	

## **DOWNLOAD DATA**

#### Documents and certificates



Declarations Of Conformity CE

#### Photometric and lighting design files



Spectral power distribution

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075590212	Folding box 1	46 mm x 46 mm x 93 mm	30.00 g	0.20 dm <sup>3</sup>
4058075590229	Shipping box 10	240 mm x 101 mm x 108 mm	358.00 g	2.62 dm³

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.

#### **DISCLAIMER**

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

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