

## 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](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	24.9 W
Construction wattage	24.90 W
Nominal voltage	220...240 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	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	8
Max. lamp number on MCB B16 A	13
Total harmonic distortion	23 %
Power factor $\lambda$	> 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 sdcn
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 tc 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 <a href="http://www.ledvance.com/dim">www.ledvance.com/dim</a> )

### Capabilities

Dimmable	Yes <sup>1)</sup>
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<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](http://ledvance.com/compatibility)

### Certificates & Standards

Energy efficiency class	E <sup>1)</sup>
Energy consumption	25.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG1

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

### Country-specific categorizations

Order reference	LEDPCLA200D 24,
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### LOGISTICAL DATA


Temperature range at storage	-20...+80 °C
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### 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	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	671016
Model number	AC36027

### DOWNLOAD DATA

Documents and certificates	Document name
 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 <sup>3</sup>
4058075659711	Shipping box 10	475 mm x 196 mm x 202 mm	2877.00 g	18.81 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)

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