

# PRODUCT DATASHEET LED Classic P 40 P 4.9W 827 Frosted E14

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



#### Areas of application

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

#### **Product benefits**

- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

### Product features

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime up to 15,000 h
- Good quality of light; color rendering index  $R_a$ :  $\geq$  80; constant chromaticity





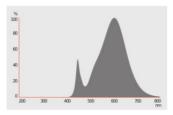
## TECHNICAL DATA

## Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	36 mA
Type of current	AC
Inrush current	10 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	210
Max. lamp number on MCB B16 A	320
Total harmonic distortion	126 %
Power factor $\lambda$	> 0.50

#### Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	95 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



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# Light technical data

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

# Dimensions & Weight

Overall length	82.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	19.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	78 °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)	E14
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	No
Certificates & Standards	
Energy efficiency class	F 1)
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / CB / REACH
Photobiological safety group acc. to EN62778	RG0
OGISTICAL DATA	
LOGISTICAL DATA	
Temperature range at storage	
	-20+80 °C
	-20+80 °C
inergy labelling regulation data acc EU 2019/2015	-20+80 °C
inergy labelling regulation data acc EU 2019/2015	
inergy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional	LED
Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains	LED NDLS
Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)	LED NDLS MLS
Inergy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	LED  NDLS  MLS  E14
Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source	LED NDLS MLS E14 No
Envelope  Inergy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope	LED NDLS MLS E14 No No
Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source	LED NDLS MLS E14 No No No
Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield	LED NDLS MLS E14 No No No No
Energy labelling regulation data acc EU 2019/2015 Lighting technology used	LED NDLS MLS E14 No No No No No No
Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield  Correlated colour temperature type	LED  NDLS  MLS  E14  No  No  No  No  No  SINGLE_VALUE

82.00 mm

45.00 mm

Length

Height

45.00 mm
0.458
0.410
1
SPHERE_360
0.90
No
523322
AC31164

## Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

### **DOWNLOAD DATA**

	Documents and certificates	Document name
PDF	Declarations of conformity	LED CLASS B,P LED lamp

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
4058075593251	Folding box	45 mm x 45 mm x 84 mm	28.00 g	0.17 dm <sup>3</sup>
4058075593268	Shipping box 10	238 mm x 99 mm x 95 mm	341.00 g	2.24 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 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.