

PRODUCT DATASHEET LED Classic BA 40 Filament P 4W 827 Clear E14

PARATHOM® CLASSIC BA | LED lamps, classic bulb 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
- Lower energy consumption than incandescent or halogen lamps
- 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
- Base: E14
- Lifetime up to 15,000 h
- Lamp made of glass
- Good quality of light; color rendering index ${\rm R}_a\!\!:\ge\!80$; constant chromaticity

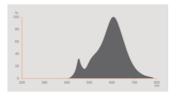
TECHNICAL DATA

Electrical data

Nominal wattage	4 W
Construction wattage	4.00 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	32 mA
Type of current	AC
Inrush current	1.5 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	400
Max. lamp number on MCB B16 A	480
Power factor λ	> 0.50

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 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 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.9



EPREL data spectral diagram PROF LEDr 2700K

Light technical data

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

Dimensions & Weight

Overall length	121.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	15.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	65 °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	Clear	
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	E ¹⁾

Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Order reference	LEDPCLBA40 4W/8		
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)	E14		
Connected light source (CLS)	No		
Color-tuneable light source	No		
	No		
Envelope High luminance light source	No		
Anti-glare shield			
Correlated colour temperature type	SINGLE_VALUE		
Claim of equivalent power	Yes		
Length	121.00 mm		
Height	35.00 mm		
Width	35.00 mm		
Chromaticity coordinate x	0.463		
Chromaticity coordinate y	0.420		
R9 Colour rendering index	1		
Beam angle correspondence	SPHERE_360		
Survival factor	0.90		
Displacement factor	0.40		
LED light source replaces a fluorescent light source	No		
EPREL ID	523064		
Model number	AC32454		

DOWNLOAD DATA

	Documents and certificates	Document name	
PDF	Declarations of conformity	LED lamps CLA,B,G,P	
	Photometric and lighting design files	Document name	
1	Spectral power distribution	EPREL data spectral diagram PROF LEDr 2700K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075590250	Folding box 1	37 mm x 37 mm x 123 mm	25.00 g	0.17 dm ³
4058075590267	Shipping box 10	197 mm x 85 mm x 138 mm	301.00 g	2.31 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.

DISCLAIMER

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