

PRODUCT DATASHEET LED PFM CLAS B FIL 5 W/2700 K E14

LED PERFORMANCE CLASSIC B FILAMENT | LED lamps, classic mini-ball shape, dimmable



Areas of application

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

Product benefits

- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time
- No UV and near-IR radiation in the light beam
- Good quality of light
- Reliable operation thanks to brand quality

Product features

- Beam angle: up to 300°
- Long lifetime up to 15,000 h
- Color rendering index R_a: ≥ 80





- High color consistency: < 6 SDCM
- Luminous efficacy: up to 95 lm/W
- Same appearance like conventional light bulb shape
- Mercury-free lamps
- Operating temperature from -20 $^{\circ}\text{C}$ to up to +40 $^{\circ}\text{C}$, up to 95 % relative humidity

TECHNICAL DATA

Electrical data

Nominal wattage	5 W
Construction wattage	5.00 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	25 mA
Type of current	AC
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Power factor λ	> 0.70

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	94 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

Light technical data

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

Dimensions & Weight

Overall length	97.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	13.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °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)	E14
Mercury content	0.0 mg
Mercury-free	Yes
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	Yes
Certificates & Standards	
Energy efficiency class	F 1)
Energy consumption	5.00 kWh/1000h
Photobiological safety group acc. to EN62778	RG0
1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (Country-specific categorizations	lowest efficiency)
Order reference	LPCLBDIM 5W/827
Energy labelling regulation data acc EU 2019/2015	
Light source cap-type (or other electric interface)	E14
Correlated colour temperature type	SINGLE_VALUE
Length	97.00 mm
Height	35.00 mm
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Width	35.00 mm
Width EPREL ID	1403369

DOWNLOAD DATA

Photometric and lighting design files	Document name
IES file (IES)	LED PFM CLB DIM 5W GLFR E14 2700K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075578326	Folding box 1	39 mm x 39 mm x 109 mm	27.00 g	0.17 dm ³
4058075578333	Shipping box 10	205 mm x 87 mm x 123 mm	318.00 g	2.19 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.