

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 $R_a \geq 80$



- 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 °C to up to +40 °C, up to 95 % relative humidity

TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 5 W |
| Construction wattage | 5.00 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 40 W |
| Nominal current | 25 mA |
| Type of current | AC |
| Operating frequency | 50...60 Hz |
| Mains frequency | 50...60 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 sdcn |
| 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 (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|-----------------|
| 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 |
| Width | 35.00 mm |
| EPREL ID | 1403371 |
| Model number | AC24284 |

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 |
|---------------|------------------------------|--------------------------------------|--------------|----------|
| 4058075578364 | Folding box 1 | 39 mm x 39 mm x 109 mm | 27.00 g | 0.17 dm³ |
| 4058075578371 | Shipping box 10 | 205 mm x 87 mm x 123 mm | 318.00 g | 2.19 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.