

PRODUCT DATASHEET

LED VALUE CLASS A FIL 6.5 W/2700 K E27

LED VALUE CLASSIC A FILAMENT | LED lamps, classic bulb shape



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product benefits

- Lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- 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
- Lower thermal output (compared with the standard reference product)
- Correct operation even at low temperatures

Product features

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime up to 15,000 h
- Beam angle: up to 300°
- Lamp made of glass



- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity

TECHNICAL DATA

Electrical data

| | |
|----------------------------------------|-------------|
| Nominal wattage | 6.5 W |
| Construction wattage | 6.50 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 60 W |
| Nominal current | 38 mA |
| Type of current | AC |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Power factor λ | ≥ 0.50 |

Photometrical data

| | |
|-----------------------------------------|---------------------------|
| Luminous flux | 806 lm |
| Luminous efficacy | 124 lm/W |
| Lumen main.fact.at end of nom.life time | 0.95 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | 80 |
| Light color | 827 |
| Standard deviation of color matching | ≤ 6 sdc _m |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | ≤ 1.0 |
| Stroboscope effect metric (SVM) | ≤ 0.4 |



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 | 105.00 mm |
| Diameter | 60.00 mm |
| Maximum diameter | 60 mm |
| Product weight | 31.00 g |

Temperatures & operating conditions

| | |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
|---------------------------|--------------|

Lifespan

| | |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C | 20000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.95 |
| 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 |
| Design / version | Frosted |

Capabilities

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Certificates & Standards

| | |
|----------------------------------------------|----------------|
| Energy efficiency class | E |
| Energy consumption | 7.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CB |
| Photobiological safety group acc. to EN62778 | RG1 |


Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LV CLA 6,5W/827 |
|-----------------|-----------------|

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 W |
| Claim of equivalent power | Yes |
| Length | 105.00 mm |
| Height | 60.00 mm |
| Width | 60.00 mm |
| Chromaticity coordinate x | 0.463 |
| Chromaticity coordinate y | 0.420 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.9 |
| Displacement factor | 0.5 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1361315 |
| Model number | AC45205 |

DOWNLOAD DATA

| Photometric and lighting design files | | Document name |
|-------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------|
|  | 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 |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854310966 | Folding box 1 | 60 mm x 60 mm x 111 mm | 45.00 g | 0.40 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854310973 | Shipping box 10 | 315 mm x 131 mm x 126 mm | 544.00 g | 5.20 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.