# PRODUCT DATASHEET

## Vintage 1906 Edison 40 Filament DIM 4.8W 827 Clear E27

Vintage 1906 LED CLASSIC SLIM FILAMENT EDISON DIMMABLE | Dimmable LED lamps, vintage edition, classic Edison bulb shape slim filament - style LED technology



### Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lamps with innovative LED "slim-filament" technology
- Spiral slim-filament with ϕ 0.6 mm
- Straight, long slim - filament width: minimum 0.7 mm

### Product features

- LED lamps for line voltage
- Lamp made of glass
- Lifetime up to 15,000 h
- Beam angle: up to 360°
- Dimmable
- Can be used directly as luminaire
- Thinner filament, better decorative effect





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# TECHNICAL DATA

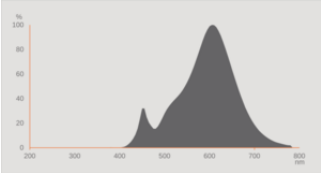
## Electrical data

| | |
|---|---|
| Nominal wattage | 4.8 W |
| Construction wattage | 4.80 W |
| Nominal voltage | 220…240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 40 W |
| Nominal current | 30 mA |
| Type of current | AC |
| Inrush current | 0.1 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 266 |
| Max. lamp number on MCB B16 A | 426 |
| Power factor λ | ≥ 0.40 |

## Photometrical data

| | |
|---|---|
| Luminous flux | 470 lm |
| Nominal useful luminous flux 90° | 470 lm |
| Luminous efficacy | 98 lm/W |
| Lumen main.fact.at end of nom.life time | 0.93 |
| 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) | ≤0.4 |


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EPREL data spectral diagram PROF LEDr 2700K

## Light technical data

| | |
|---|---|
| Beam angle | 320 ° |
| Warm-up time (60 %) | ‹ 0.50 s |
| Starting time | < 0.5 s |

## Dimensions & Weight



| | |
|---|---|
| Overall length | 140.00 mm |
| Diameter | 64.00 mm |
| Maximum diameter | 64 mm |
| Product weight | 45.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+40 °C |
| Maximum temperature at tc test point | 61 °C |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

## Additional product data

| | |
|---|---|
| Base (standard designation) | E27 |


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| | |
|---|---|
| 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 | Yes [1)] |

1) Check dimmer compatibility at ledvance.com/compatibility

## Certificates & Standards

| | |
|---|---|
| Energy efficiency class | F [1)] |
| Energy consumption | 5.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE |
| Photobiological safety group acc. to EN62778 | RG1 |

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

## Country-specific categorizations

| | |
|---|---|
| Order reference | 1906LDISOND 4,8 |

## 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) | 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 |


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| | |
|---|---|
| Claim of equivalent power | Yes |
| Length | 140.00 mm |
| Height | 64.00 mm |
| Width | 64.00 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 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1397877 |
| Model number | AC45581,AC45581 |

## 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 CLASSIC |
| PDF | Declarations of conformity | LED CLASSIC MAGNETIC |

| | 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 |
|---|---|---|---|---|
| 4099854075667 | Folding box<br>1 | 65 mm x 65 mm x 179 mm | 64.00 g | 0.76 $dm^3$ |
| 4099854075674 | Shipping box<br>4 | 148 mm x 142 mm x 191 mm | 349.00 g | 4.01 $dm^3$ |

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.


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