

# PRODUCT DATASHEET

## LED Classic A 40 Energy efficiency class A S 2.5W 830 Frosted E27

LED CLASSIC A ENERGY EFFICIENCY A S | LED lamps, classic bulb shape, ENERGY EFFICIENCY CLASS A



### 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
- Low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

### Product features

- LED lamps for line voltage
- Luminous efficacy: up to 210 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles 500,000



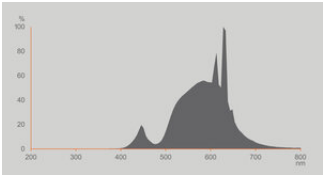
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**TECHNICAL DATA****Electrical data**

|                                        |               |
|----------------------------------------|---------------|
| Nominal wattage                        | 2.5 W         |
| Construction wattage                   | 2.50 W        |
| Nominal voltage                        | 220...240 V   |
| Operating mode                         | Mains voltage |
| Claimed equiv. conventional lamp power | 40 W          |
| Nominal current                        | 22 mA         |
| Type of current                        | AC            |
| Inrush current                         | 2.56 A        |
| Operating frequency                    | 50/60 Hz      |
| Mains frequency                        | 50/60 Hz      |
| Max. lamp number on MCB B10 A          | 175           |
| Max. lamp number on MCB B16 A          | 281           |
| Total harmonic distortion              | 100,30 %      |
| Power factor $\lambda$                 | $\geq 0.47$   |

**Photometrical data**

|                                         |               |
|-----------------------------------------|---------------|
| Luminous flux                           | 525 lm        |
| Nominal useful luminous flux 90°        | 525 lm        |
| Luminous efficacy                       | 210 lm/W      |
| Lumen main.fact.at end of nom.life time | 0.96          |
| Light color (designation)               | Warm White    |
| Color temperature                       | 3000 K        |
| Color rendering index Ra                | $\geq 80$     |
| Light color                             | 830           |
| Standard deviation of color matching    | $\leq 6$ sdcn |
| Flickering metric (Pst LM)              | $\leq 1$      |
| Stroboscope effect metric (SVM)         | $\leq 0.4$    |



EPREL Data Spectral Diagram LEDr\_3000K\_Energy Class A

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 |
| Maximum temperature at tc test point | <65 °C       |

Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 50000 h |
| Number of switching cycles                   | 500000  |
| Lumen maintenance at end of service lifetime | 0.96    |
| Rated lamp survival factor at 6,000 h        | ≥ 0.90  |

Additional product data

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

|                  |         |
|------------------|---------|
| Mercury content  | 0.0 mg  |
| Design / version | Frosted |

### Capabilities

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

### Certificates & Standards

|                                              |                                |
|----------------------------------------------|--------------------------------|
| Energy efficiency class                      | A                              |
| Energy consumption                           | 3.00 kWh/1000h                 |
| Type of protection                           | IP20                           |
| Standards                                    | CE / ERP / ROHS / REACH / UKCA |
| Photobiological safety group acc. to EN62778 | RG0                            |

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LED CLA40 2,5W/ |
|-----------------|-----------------|

### 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   |
| Standby power                                       | 0 W            |
| Networked standby power for CLS                     | not applicable |
| Claim of equivalent power                           | Yes            |
| Length                                              | 105.00 mm      |
| Height                                              | 60.00 mm       |
| Width                                               | 60.00 mm       |
| Chromaticity coordinate x                           | 0,45           |

|                                                      |                |
|------------------------------------------------------|----------------|
| Chromaticity coordinate y                            | 0,437          |
| R9 Colour rendering index                            | 1              |
| Beam angle correspondence                            | SPHERE_360     |
| Survival factor                                      | 0,90           |
| Displacement factor                                  | not applicable |
| LED light source replaces a fluorescent light source | No             |
| EPREL ID                                             | 1260028        |
| Model number                                         | AC43721        |

### 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                                          |
|-------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------|
|    | Declarations of conformity  | LED lamp CLA FIL lamp                                  |
| Photometric and lighting design files                                               |                             | Document name                                          |
|  | Spectral power distribution | EPREL Data Spectral Diagram LEDr _3000K_Energy Class A |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854002809 | Folding box<br>1             | 60 mm x 60 mm x 145 mm               | 46.00 g      | 0.52 dm <sup>3</sup> |
| 4099854002816 | Shipping box<br>6            | 202 mm x 134 mm x 130 mm             | 381.00 g     | 3.52 dm <sup>3</sup> |

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.

### References / Links

- For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

**DISCLAIMER**

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