# PRODUCT DATASHEET
## LED CLAS 75 DIM S 75 7.5 W/2700 K E27

**LED CLASSIC A DIM CRI 90 S | Dimmable LED lamps, classic bulb shape, CRI90, with greatly reduced blue component**

### 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
– Design, dimensions, luminous flux comparable to a halogen lamp
– Natural light spectrum with outstanding color rendering of CRI>90
– Greatly reduced blue component
– Improved visual comfort and reduced eye strain
– Very low energy consumption
– Instant 100 % light, no warm-up time
– Low flickering

### Product features

- LED lamps for line voltage
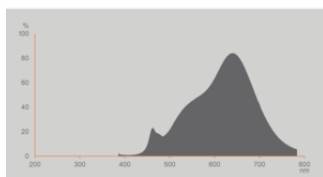- Beam angle: up to 300°
- Dimmable
- Color rendering index $R_a$: ≥ 90

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 7.5 W |
| Construction wattage | 7.50 W |
| Nominal voltage | 220...240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 75 W |
| Nominal current | 38 mA |
| Type of current | AC |
| Inrush current | 1.46 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 750 |
| Max. lamp no. on circuit break. 16 A (B) | 1200 |
| Power factor λ | > 0.50 |

### Photometrical data

| | |
|---|---|
| Luminous flux | 1055 lm |
| Nominal useful luminous flux 90° | 1055 lm |
| Luminous efficacy | 140 lm/W |
| Lumen main.fact.at end of nom.life time | 0.80 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | ≥90 |
| Light color | 927 |
| Standard deviation of color matching | ≤6 sdcm |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | ≤1 |
| Stroboscope effect metric (SVM) | ≤ 0.9 |

## 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 | 15000 h |
| 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) | E27 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Design / version | Frosted |

| | |
|---|---|
| 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 | D [1] |
| Energy consumption | 8.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE |
| Photobiological safety group acc. to EN62778 | RG0 |

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

## Country-specific categorizations

| | |
|---|---|
| Order reference | LEDCCLA75D 7,5W |

## LOGISTICAL DATA

| | |
|---|---|
| Temperature range at storage | -40...+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 |
| 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 | 0.00 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | ≥ 0.5 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 642784 |
| Model number | AC33988 |

## DOWNLOAD DATA

| | Photometric and lighting design files |
|---|---|
|  | Spectral power distribution |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075759046 | Folding box 1 | 60 mm x 60 mm x 111 mm | 45.00 g | 0.40 dm³ |
| 4058075759053 | Shipping box 10 | 315 mm x 131 mm x 126 mm | 544.00 g | 5.20 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.

## References / Links

– For dimming conformity see www.ledvance.com/dim
– For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

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