

PRODUCT DATASHEET LED CLAS 100 DIM S 100 11 W/2700 K E27

LED CLASSIC A | Dimmable LED lamps, classic bulb shape



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
- Lower energy consumption than incandescent or halogen lamps
- 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 | 11 W |
|--|----------|
| Construction wattage | 11.00 W |
| Nominal voltage | 220240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 100 W |
| Nominal current | 52 mA |
| Type of current | AC |
| Inrush current | 2.28 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 271 |
| Max. lamp number on MCB B16 A | 434 |
| Power factor λ | > 0.50 |

Photometrical data

| Luminous flux | 1521 lm |
|---|------------|
| Nominal useful luminous flux 90° | 1521 lm |
| Luminous efficacy | 138 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 |



A60230V75W4MDV11055LM9527E2775WDIME27AC3228901

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 | 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 |
| Certificates & Standards | |
| Energy efficiency class | D 1) |
| Energy consumption | 11.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE |
| Photobiological safety group acc. to EN62778 | RG0 |
| Order reference | LEDCCLA100D 11W |
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| Order reference LOGISTICAL DATA Temperature range at storage | LEDCCLA100D 11W -40+80 °C |
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| Temperature range at storage Energy labelling regulation data acc EU 2019/2015 | -40+80 °C |
| LOGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used | -40+80 °C |
| Lighting technology used Non-directional | -40+80 °C LED NDLS |
| Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains | -40+80 °C LED NDLS MLS |
| Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) | -40+80 °C LED NDLS MLS E27 |
| Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) | -40+80 °C LED NDLS MLS E27 No |
| Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source | -40+80 °C LED NDLS MLS E27 NO NO |
| Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope | -40+80 °C LED NDLS MLS E27 No No No |
| Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source | -40+80 °C LED NDLS MLS E27 No No No |
| Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield | -40+80 °C LED NDLS MLS E27 No No No No No |

Yes

105.00 mm

60.00 mm

Claim of equivalent power

Length

Height

| 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 | 0.90 |
| Displacement factor | ≥0.7 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 642780 |
| Model number | AC33984 |

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 |
|-----|----------------------------|---------------|
| POF | Declarations of conformity | LED lamps DIM |

| Photometric and lighting design files | Document name |
|---------------------------------------|--|
| Spectral power distribution | A60230V75W4MDV11055LM9527E2775WDIME27AC3228901 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075758742 | Folding box | 60 mm x 60 mm x 111 mm | 45.00 g | 0.40 dm ³ |
| 4058075758759 | 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.

References / Links

- For dimming conformity see www.ledvance.com/dim

- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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