

PRODUCT DATASHEET

VALUE CLAS A 100 FR 13 W/4000 K E27

LED VALUE CLASSIC A | LED lamps, classic bulb shape



Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Very low energy consumption
- Can be easily fitted instead of ordinary light bulbs

Product features

- LED alternative to conventional lamps
- Not dimmable
- Good color rendering ($R_a \geq 80$) and color stability throughout the life of the lamp



TECHNICAL DATA

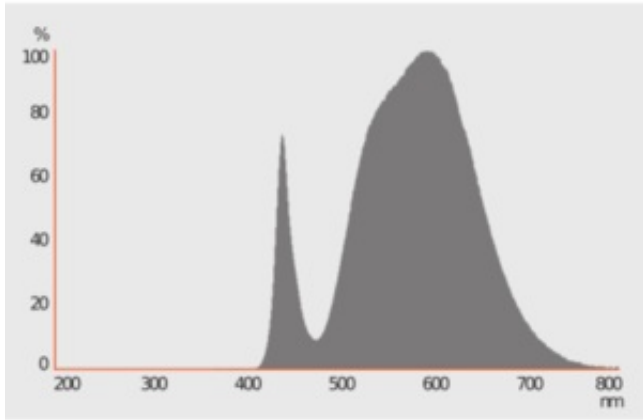
Electrical data

| | |
|--|-------------|
| Nominal wattage | 13 W |
| Construction wattage | 13.00 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 100 W |
| Nominal current | 100 mA |
| Type of current | AC |
| Inrush current | 10 A |
| Operating frequency | 50...60 Hz |
| Mains frequency | 50...60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 80 |
| Max. lamp no. on circuit break. 16 A (B) | 128 |
| Total harmonic distortion | 106.70 % |
| Power factor λ | > 0.50 |

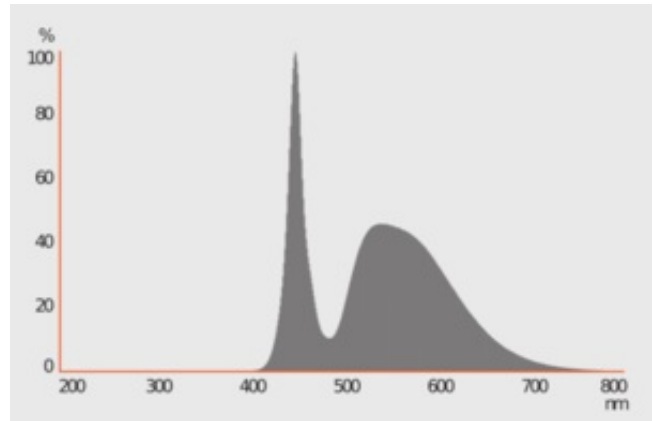
Photometrical data

| | |
|---|------------|
| Luminous flux | 1521 lm |
| Nominal useful luminous flux 90° | 1521 lm |
| Luminous efficacy | 117 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Cool White |
| Color temperature | 4000 K |
| Color rendering index Ra | ≥80 |
| Light color | 840 |
| Standard deviation of color matching | ≤6 sdcn |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.9 |





Spectral power distribution

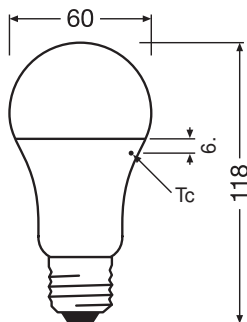


Spectral power distribution

Light technical data

| | |
|------------------------------------|----------|
| Beam angle | 200 ° |
| Warm-up time (60 %) | 0.50 s |
| Starting time | < 0.5 s |
| Rated beam angle (half peak value) | 200.00 ° |

Dimensions & Weight



| | |
|------------------|-----------|
| Overall length | 118.00 mm |
| Diameter | 60.00 mm |
| Maximum diameter | 60 mm |
| Product weight | 43.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 91 °C |

Lifespan

| | |
|-------------------------------------|---------|
| Lifespan | 10000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of serv | 0.70 |
| Rated lamp survival factor at 6,000 | ≥ 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 | No |
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Certificates & Standards

| | |
|--|----------------------------------|
| Energy efficiency class | F ¹⁾ |
| Energy consumption | 13.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | ROHS 2.0 / REACH / CE / CB / ERP |
| 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

| | |
|-------|------------------------------|
| ILCOS | DRAA/F-14/840-220-240-E27-60 |
|-------|------------------------------|



| | |
|-----------------|-----------------|
| Order reference | VALUECLA100 13W |
|-----------------|-----------------|

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 | 0.00 |
| Claim of equivalent power | Yes |
| Length | 118.00 mm |
| Height | 60.00 mm |
| Width | 60.00 mm |
| Chromaticity coordinate x | 0.382 |
| Chromaticity coordinate y | 0.380 |
| R9 Colour rendering index | 0.00 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.70 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1403212,523300,1381374 |
| Model number | AC31142,AC44923,AC24696 |

DOWNLOAD DATA

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| DOWNLOAD DATA |
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PRODUCT DATASHEET



DOWNLOAD DATA



Declarations Of Conformity CE



IES file (IES)



LDT file (Eulumdat)



UGR file (UGR table)

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4052899973428 | Folding box 1 | 62 mm x 62 mm x 122 mm | 53.00 g | 0.47 dm ³ |
| 4052899973435 | Shipping box 10 | 319 mm x 133 mm x 138 mm | 672.00 g | 5.85 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.

