

PRODUCT DATASHEET LED Base Classic A 100 13W 827 Frosted E27

LED BASE CLASSIC A | LED lamps, classic bulb shape



Areas of application

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

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Shockproof and vibration-proof thanks to LED technology
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lower thermal output (compared with the standard reference product)

Product features

- Professional LED lamps for line voltage
- Not dimmable
- Base: E27, B22d
- Mercury-free lamps





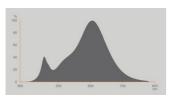
TECHNICAL DATA

Electrical data

| Construction wattage13.00 WNominal voltage220240 VOperating modeAC MainsClaimed equiv. conventional lamp power100 WNominal current95 mAType of currentACInrush current3.66 AOperating frequency50/60 HzMains frequency50/60 HzMax. lamp number on MCB B10 A84Max. lamp number on MCB B16 A134Total harmonic distortion117.3 %Power factor λ0.62 | Nominal wattage | 13 W |
|---|--|----------|
| Operating mode AC Mains Claimed equiv. conventional lamp power 100 W Nominal current 95 mA Type of current AC Inrush current 3.66 A Operating frequency 50/60 Hz Mains frequency 50/60 Hz Max. lamp number on MCB B10 A Max. lamp number on MCB B16 A Total harmonic distortion 117.3 % | Construction wattage | 13.00 W |
| Claimed equiv. conventional lamp power 100 W Nominal current 95 mA Type of current AC Inrush current 3.66 A Operating frequency 50/60 Hz Mains frequency 50/60 Hz Max. lamp number on MCB B10 A Max. lamp number on MCB B16 A Total harmonic distortion 117.3 % | Nominal voltage | 220240 V |
| Nominal current 95 mA Type of current AC Inrush current 3.66 A Operating frequency 50/60 Hz Mains frequency 50/60 Hz Max. lamp number on MCB B10 A Max. lamp number on MCB B16 A Total harmonic distortion 117.3 % | Operating mode | AC Mains |
| Type of current AC Inrush current 3.66 A Operating frequency 50/60 Hz Mains frequency 50/60 Hz Max. lamp number on MCB B10 A Max. lamp number on MCB B16 A 134 Total harmonic distortion 117.3 % | Claimed equiv. conventional lamp power | 100 W |
| Inrush current 3.66 A Operating frequency 50/60 Hz Mains frequency 50/60 Hz Max. lamp number on MCB B10 A Max. lamp number on MCB B16 A 134 Total harmonic distortion 117.3 % | Nominal current | 95 mA |
| Operating frequency 50/60 Hz Mains frequency 50/60 Hz Max. lamp number on MCB B10 A 84 Max. lamp number on MCB B16 A 134 Total harmonic distortion 117.3 % | Type of current | AC |
| Mains frequency 50/60 Hz Max. lamp number on MCB B10 A 84 Max. lamp number on MCB B16 A 134 Total harmonic distortion 117.3 % | Inrush current | 3.66 A |
| Max. lamp number on MCB B10 A Max. lamp number on MCB B16 A 134 Total harmonic distortion 117.3 % | Operating frequency | 50/60 Hz |
| Max. lamp number on MCB B16 A 134 Total harmonic distortion 117.3 % | Mains frequency | 50/60 Hz |
| Total harmonic distortion 117.3 % | Max. lamp number on MCB B10 A | 84 |
| | Max. lamp number on MCB B16 A | 134 |
| Power factor λ 0.62 | Total harmonic distortion | 117.3 % |
| | Power factor λ | 0.62 |

Photometrical data

| Luminous intensity | Not relevant |
|---|--------------|
| Luminous flux | 1521 lm |
| Luminous efficacy | 117 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 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |

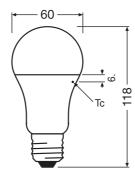


LED Classic 827

Light technical data

| Beam angle | 150 ° |
|---------------------|---------|
| Warm-up time (60 %) | 0.50 s |
| Starting time | < 0.5 s |

Dimensions & Weight



| Overall length | 118.00 mm |
|------------------|-----------|
| Diameter | 60.00 mm |
| Maximum diameter | 60 mm |
| Product weight | 32.00 g |

Temperatures & operating conditions

| Ambient temperature range | -20+40 °C |
|--------------------------------------|-----------|
| Maximum temperature at tc test point | 95 °C |

Lifespan

| Lifespan L70/B50 at 25 °C | 10000 h |
|--|---------|
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |

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 |
|----------|----|
|----------|----|

Certificates & Standards

| Energy efficiency class | E 1) |
|--|-----------------|
| Energy consumption | 13.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / UKCA / EAC |
| 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 | BASECLA100 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 | 0.0 W |
| Claim of equivalent power | Yes |
| Length | 118.00 mm |

E27

| Height | 60.00 mm |
|--|-------------------------|
| Width | 60.00 mm |
| Chromaticity coordinate x | 0.4578 |
| Chromaticity coordinate y | 0.4101 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.965 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1857033,2187365 |
| Model number | AC55989,AC55989,AC70645 |

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 | Classic A_B_P 15000h FR |
| PDF | Declarations of conformity | LED CLASSIC A_P NON-DIM |
| PDF | Declarations of conformity | CE declaration lamps |
| PDF | Declarations of conformity UKCA | LED CLASSIC A_P NON-DIM |
| | | |

| Photometric and lighting design files | Document name |
|---------------------------------------|-----------------|
| Spectral power distribution | LED Classic 827 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854348174 | Folding box 5 | 61 mm x 242 mm x 122 mm | 192.00 g | 1.80 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854348181 | Shipping box 50 | 495 mm x 318 mm x 136 mm | 2444.00 g | 21.41 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.