

PRODUCT DATASHEET

LED Star Classic P 40 Filament 4W 840 Clear E14

BELLALUX® CLP | LED lamps, classic mini-ball shape



Areas of application

- General illumination
- Domestic applications
- Outdoor use in outdoor luminaires only (minimum IP65)

Product benefits

- Lower thermal output (compared with the standard reference product)
- Very low energy consumption
- 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
- Simple direct replacement for conventional incandescent lamps

Product features

- LED lamps for line voltage



- Not suitable for use with dimmers
- Mercury-free lamps

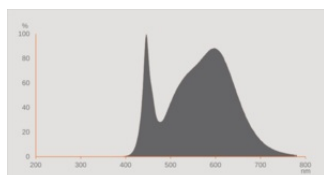
TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 4 W |
| Construction wattage | 4.00 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 40 W |
| Nominal current | 32 mA |
| Type of current | AC |
| Inrush current | 1.5 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 400 |
| Max. lamp no. on circuit break. 16 A (B) | 480 |
| Power factor λ | > 0.50 |

Photometrical data

| | |
|---|------------|
| Luminous flux | 470 lm |
| Nominal useful luminous flux 90° | 470 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 |



Light technical data

| | |
|---------------------|----------|
| Beam angle | 300 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |

Dimensions & Weight

| | |
|------------------|----------|
| Overall length | 77.00 mm |
| Diameter | 45.00 mm |
| Maximum diameter | 45 mm |
| Product weight | 15.00 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) | E14 |
| 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 | No |
|----------|----|

Certificates & Standards

| | |
|-------------------------|----------------|
| Energy efficiency class | E 1) |
| Energy consumption | 4.00 kWh/1000h |
| Type of protection | IP20 |

| | |
|--|----------|
| Standards | CE / EAC |
| Photobiological safety group acc. to EN62778 | RG0 |

1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LEDCLP40 4W/840 |
|-----------------|-----------------|

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) | E14 |
| 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 |
| Claim of equivalent power | Yes |
| Length | 77.00 mm |
| Height | 45.00 mm |
| Width | 45.00 mm |
| Chromaticity coordinate x | 0.380 |
| Chromaticity coordinate y | 0.380 |
| R9 Colour rendering index | >0 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.40 |
| EPREL ID | 523182 |
| Model number | AC32371 |

DOWNLOAD DATA

Documents and certificates



Declarations Of Conformity CE

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 |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075592278 | Folding box 1 | 46 mm x 49 mm x 130 mm | 27.00 g | 0.29 dm ³ |
| 4058075592285 | Shipping box 6 | 159 mm x 111 mm x 106 mm | 238.00 g | 1.87 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.