# PRODUCT DATASHEET

## LED Superstar Plus Classic A 60 Filament Active/Relax 7W 827/840 E27

LED RELAX and ACTIVE CLASSIC A | LED lamps, classic bulb shape



### Areas of application

- Supports the biorhythm when used in bed and children's room
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Creates individual atmospheres: Warm White to relax, Cool White for activity
- Easy change of color temperature with double click of wall switch
- Always fitting light due to two light colors in one lamp: Warm White and Cool White
- Supports the biorhythm through activating and relaxing light color
- Long lifetime of up to 15,000 h
- Lower energy consumption than incandescent or halogen lamps
- Easy relamping thanks to compact design
- Makes rooms multi-purpose with adjustable light atmosphere
- Turns kitchens, living rooms or home offices into either a work place or relax area

### Product features

- Provides color temperatures of 2700 K and 4000 K in the same lamp



- Controllable via standard wall switch
- Good quality of light; color rendering index CRI ≥ 80


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# TECHNICAL DATA

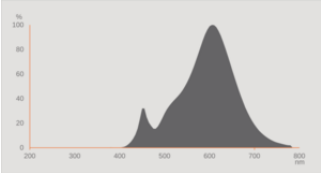
## Electrical data

| | |
|---|---|
| Nominal wattage | 7 W |
| Construction wattage | 7.00 W |
| Nominal voltage | 220…240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 60 W |
| Nominal current | 45 mA |
| Type of current | AC |
| Inrush current | 0.5 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 177 |
| Max. lamp number on MCB B16 A | 284 |
| Maximum total harmonic distortion | 110 % |
| Power factor λ | ≥ 0.50 |

## Photometrical data

| | |
|---|---|
| Luminous flux | 806 lm |
| Luminous efficacy | 115 lm/W |
| Lumen main.fact.at end of nom.life time | 0.93 |
| Light color (designation) | Warm White / Cool White |
| Color temperature | 2700 K / 4000 K |
| Color rendering index Ra | 80 |
| Light color | 827/840 |
| Standard deviation of color matching | ≤6 sdcm |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | ≤1.0 |
| Stroboscope effect metric (SVM) | ≤0.4 |


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EPREL data spectral diagram PROF LEDr 2700K

## Light technical data

| | |
|---|---|
| Beam angle | 320 ° |
| 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 | 32.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+40 °C |
| Maximum temperature at tc test point | 55 °C |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

## Additional product data

| | |
|---|---|
| Base (standard designation) | E27 |


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| | |
|---|---|
| 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 |
| Added function | Relax & active |

## Capabilities

| | |
|---|---|
| Dimmable | No |

## Certificates & Standards

| | |
|---|---|
| Energy efficiency class | E [1)] |
| Energy consumption | 7.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / UKCA |
| 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 | LEDSCLA60 ACT/R |

## 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 | STEPS |
| Claim of equivalent power | Yes |


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| | |
|---|---|
| Length | 105.00 mm |
| Height | 60.00 mm |
| Width | 60.00 mm |
| Chromaticity coordinate x | 0.463&0.380 |
| Chromaticity coordinate y | 0.420&0.380 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | ≥0.5 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1403343,523139,1358096 |
| Model number | AC32276,AC44591,AC24251,AC44591 |

## 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 | LED CLA CLB CLP T26 CL GLOBE125 |
| PDF | Declarations of conformity | LED CLASSIC MAGNETIC |

| | Photometric and lighting design files | Document name |
|---|---|---|
| | Spectral power distribution | EPREL data spectral diagram PROF LEDr 2700K |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075434820 | Folding box<br>1 | 60 mm x 60 mm x 145 mm | 47.00 g | 0.52 $dm^3$ |
| 4058075434837 | Shipping box<br>4 | 139 mm x 134 mm x 120 mm | 260.00 g | 2.24 $dm^3$ |
| 4058075445352 | Shipping box<br>32 | 296 mm x 286 mm x 269 mm | 2544.00 g | 22.77 $dm^3$ |

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.


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