

## PRODUCT DATASHEET

### CLA A FR 60 8.5 W/4000 K E27

LED Antibacterial Classic | Consumer Antibacterial Led Lamp With Classic Bulb



#### Areas of application

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

#### Product benefits

- Very low energy consumption
- Can be easily fitted instead of ordinary light bulbs
- Decompose and neutralize odors
- Harmless to humans and animals
- Fights airborne germs: Escherichia coli, H1N1 (Flu)

#### 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



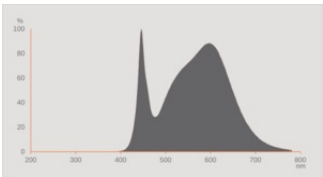
TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 8.5 W       |
| Construction wattage                   | 8.50 W      |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 60 W        |
| Nominal current                        | 50 mA       |
| Type of current                        | AC          |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Power factor $\lambda$                 | > 0.50      |

Photometrical data

|                                         |                     |
|-----------------------------------------|---------------------|
| Luminous flux                           | 806 lm              |
| Nominal useful luminous flux 90°        | 806 lm              |
| Luminous efficacy                       | 94 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 sdc <sub>m</sub> |
| Flickering metric (Pst LM)              | ≤1                  |
| Stroboscope effect metric (SVM)         | ≤0.9                |



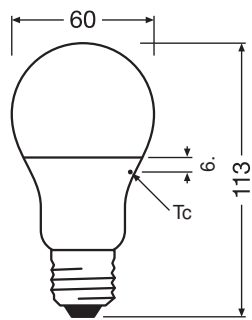
LISO spectral power distribution  
4000K CRI80 v1

Light technical data

|            |       |
|------------|-------|
| Beam angle | 200 ° |
|------------|-------|

|               |         |
|---------------|---------|
| Starting time | < 0.5 s |
|---------------|---------|

Dimensions & Weight



|                  |           |
|------------------|-----------|
| Overall length   | 113.00 mm |
| Diameter         | 60.00 mm  |
| Maximum diameter | 60 mm     |
| Product weight   | 29.00 g   |

Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 10000 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                                                                                                                                                                                                                                                                                                                                          |
| 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                      | F 1)           |
| Energy consumption                           | 9.00 kWh/1000h |
| Type of protection                           | IP20           |
| 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 | LCCLA60 8,5W/84 |
|-----------------|-----------------|

### 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 W                  |
| Networked standby power for CLS                      | 0.00 W                  |
| Claim of equivalent power                            | Yes                     |
| Length                                               | 113.00 mm               |
| Height                                               | 60.00 mm                |
| Width                                                | 60.00 mm                |
| Chromaticity coordinate x                            | 0,3818                  |
| Chromaticity coordinate y                            | 0,3797                  |
| R9 Colour rendering index                            | 0.00                    |
| Beam angle correspondence                            | SPHERE_360              |
| Survival factor                                      | 0.5                     |
| Displacement factor                                  | ≥0.5                    |
| LED light source replaces a fluorescent light source | No                      |
| EPREL ID                                             | 1403216,523309,734832   |
| Model number                                         | AC31151,AC36878,AC24700 |

## DOWNLOAD DATA

| Documents and certificates                                                       |                                     | Document name                                                           |
|----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------|
|  | Declarations of conformity          | EC Declaration of Conformity CLA Non Dim AC31141-56 AC31177-9 AC34531-3 |
| Photometric and lighting design files                                            |                                     | Document name                                                           |
|  | IES file (IES)                      | LCCLA60 8,5W 840                                                        |
|  | Light distribution curve type polar | LCCLA60 8,5W 840                                                        |
|  | Spectral power distribution         | LISO spectral power distribution 4000K CRI80 v1                         |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075560857 | Folding box<br>1             | 62 mm x 62 mm x 117 mm               | 37.00 g      | 0.45 dm <sup>3</sup> |
| 4058075560864 | Shipping box<br>10           | 319 mm x 133 mm x 133 mm             | 455.00 g     | 5.64 dm <sup>3</sup> |

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.