

## PRODUCT DATASHEET

### LED STAR CLAS A 60 FR 8.5 W/4000 K E27

LED STAR 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
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

#### Product features

- LED alternative to conventional lamps
- Mercury-free lamps



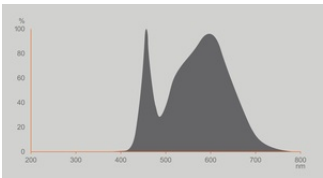
TECHNICAL DATA

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                        | 67 mA       |
| Type of current                        | AC          |
| Inrush current                         | 10 A        |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Max. lamp number on MCB B10 A          | 109         |
| Max. lamp number on MCB B16 A          | 175         |
| Total harmonic distortion              | 150 %       |
| 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 sdcn    |
| Rated LLMF at 6,000 h                   | 0.80       |

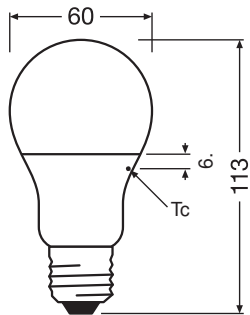


EPREL Data Spectral Diagram LEDr  
\_4000K

Light technical data

|                     |          |
|---------------------|----------|
| Warm-up time (60 %) | < 0.50 s |
| Starting time       | < 0.5 s  |

Dimensions & Weight



|                  |           |
|------------------|-----------|
| Overall length   | 113.00 mm |
| Diameter         | 60.00 mm  |
| Maximum diameter | 60 mm     |
| Product weight   | 28.00 g   |

Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 100 °C       |

Lifespan

|                                              |        |
|----------------------------------------------|--------|
| 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     |
| 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                      | F 1)           |
| Energy consumption                           | 9.00 kWh/1000h |
| Type of protection                           | IP20           |
| Standards                                    | CE / CB / ERP  |
| 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

|                 |                              |
|-----------------|------------------------------|
| ILCOS           | DRAA/F-10/840-220-240-E27-60 |
| Order reference | LEDSCLA60 8,5W/              |

Energy labelling regulation data acc EU 2019/2015

|                                                     |                                                        |
|-----------------------------------------------------|--------------------------------------------------------|
| Light source cap-type (or other electric interface) | E27                                                    |
| Correlated colour temperature type                  | SINGLE_VALUE                                           |
| Length                                              | 113.00 mm                                              |
| Height                                              | 60.00 mm                                               |
| Width                                               | 60.00 mm                                               |
| EPREL ID                                            | 1403216,523309,1351501,1857028,2016227,2192482,2505591 |

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           |
|------------------------------------------------------------------------------------|----------------------------|-------------------------|
|  | Declarations of conformity | Classic A_B_P 15000h FR |

| Documents and certificates                                                        |                                 | Document name                           |
|-----------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|
|   | Declarations of conformity      | LED CLASSIC                             |
|   | Declarations of conformity      | LED CLASSIC A_P NON-DIM                 |
|   | Declarations of conformity      | LED lamp                                |
|   | Declarations of conformity UKCA | LED CLASSIC                             |
|   | Declarations of conformity UKCA | LED CLASSIC A_P NON-DIM                 |
|   | Declarations of conformity UKCA | LED lamp                                |
| Photometric and lighting design files                                             |                                 | Document name                           |
|  | Spectral power distribution     | EPREL Data Spectral Diagram LEDr _4000K |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075430693 | Folding box<br>1             | 60 mm x 60 mm x 145 mm               | 35.00 g      | 0.52 dm <sup>3</sup> |
| 4052899149281 | Blister<br>1                 | 61 mm x 140 mm x 120 mm              | 42.00 g      | 1.02 dm <sup>3</sup> |
| 4058075592810 | Shipping box<br>6            | 202 mm x 134 mm x 120 mm             | 296.00 g     | 3.25 dm <sup>3</sup> |
| 4052899149298 | Shipping box<br>6            | 381 mm x 153 mm x 132 mm             | 375.00 g     | 7.69 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.

## References / Links

- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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