

## PRODUCT DATASHEET

### LED Star Classic A 45 6.5W 840 12-36V Frosted E27

LED STAR CLASSIC A FOR LOW VOLTAGE | LED lamps, classic bulb shape



#### Areas of application

- Battery power system without main connection
- Camping, Camper, Garden house
- Outdoor applications only in suitable luminaires

#### Product benefits

- Fit for off-grid use
- Lower energy consumption than incandescent or halogen lamps

#### Product features

- LED lamp for low voltage power system (AC/DC 12 V - 36 V)



TECHNICAL DATA

Electrical data

|                                        |               |
|----------------------------------------|---------------|
| Nominal wattage                        | 6.5 W         |
| Construction wattage                   | 6.50 W        |
| Nominal voltage                        | 12...36 V     |
| Operating mode                         | 12V-36V AC/DC |
| Claimed equiv. conventional lamp power | 45 W          |
| Nominal current                        | 800 mA        |
| Type of current                        | AC/DC         |
| Inrush current                         | 3.44 A        |
| Max. lamp number on MCB B10 A          | 9             |
| Max. lamp number on MCB B16 A          | 15            |
| Total harmonic distortion              | 130 %         |
| Power factor $\lambda$                 | > 0.50        |

Photometrical data

|                                         |            |
|-----------------------------------------|------------|
| Luminous flux                           | 600 lm     |
| Nominal useful luminous flux 90°        | 600 lm     |
| Luminous efficacy                       | 92 lm/W    |
| Lumen main.fact.at end of nom.life time | 0.96       |
| 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)         | 0.4        |

Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 200 °    |
| Warm-up time (60 %) | < 0.50 s |
| Starting time       | < 0.5 s  |

Dimensions & Weight

|                  |           |
|------------------|-----------|
| Overall length   | 112.00 mm |
| Diameter         | 60.00 mm  |
| Maximum diameter | 60 mm     |
| Product weight   | 35.00 g   |

### Temperatures & operating conditions

|                                      |             |
|--------------------------------------|-------------|
| Ambient temperature range            | -20...40 °C |
| Maximum temperature at tc test point | 82.9 °C     |

### Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 25000 h |
| Number of switching cycles                   | 100000  |
| Lumen maintenance at end of service lifetime | 0.96    |
| 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                           | 7.00 kWh/1000h |
| Type of protection                           | IP20           |
| Standards                                    | CE             |
| Photobiological safety group acc. to EN62778 | RG0            |

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

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LEDSCLA45 6,5W/ |
|-----------------|-----------------|

### 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                                   | NMLS                    |
| 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                                               | 112.00 mm               |
| Height                                               | 60.00 mm                |
| Width                                                | 60.00 mm                |
| Chromaticity coordinate x                            | 0.382                   |
| Chromaticity coordinate y                            | 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                                             | 1162270,1338700         |
| Model number                                         | AC41514,AC45062,AC45062 |

### Safety advice

– Do not touch the lamp if broken.

- Must not be used if outer bulb is defective.

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## DOWNLOAD DATA

| Documents and certificates                                                       |                            | Document name                       |
|----------------------------------------------------------------------------------|----------------------------|-------------------------------------|
|  | Declarations of conformity | CLASSIC A NON-DIM LOW E27 20000H FR |

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## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075757608 | Folding box<br>1             | 60 mm x 60 mm x 162 mm               | 51.00 g      | 0.58 dm <sup>3</sup> |
| 4058075757615 | Shipping box<br>6            | 208 mm x 135 mm x 137 mm             | 440.00 g     | 3.85 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.

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## References / Links

- For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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