

## PRODUCT DATASHEET

# LED Superstar classic A 60 Relax/Active/Sleep 8.8W 827/840 Frosted E27 3x click

LED Relax, Active and Sleep CLASSIC A | LED lamps with three light scenes in one lamp Classic A shape



### Areas of application

- When a room is used for multiple purposes such as a bedroom and a home office
- Supports the biorhythm when used in bed and children's room
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Offers individual atmospheres: Warm White for relaxation, Cool White for activity, Low-dimmed Warm White for sleep
- Easily changes the light set with a double click of wall switch
- Supports the biorhythm through activating and relaxing light color
- Makes rooms multi-purpose with adjustable light atmosphere
- Lower energy consumption than incandescent or halogen lamps

### Product features

- Provides three light settings in one lamp; 2700 K 100 % DIM - 4000 K 100 % DIM - 2700 K 40 Lumen
- Controllable via standard wall switch



TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 8.8 W       |
| Construction wattage                   | 8.80 W      |
| Nominal voltage                        | 220...240 V |
| Operating mode                         | AC Mains    |
| Claimed equiv. conventional lamp power | 60 W        |
| Nominal current                        | 55 mA       |
| Type of current                        | AC          |
| Inrush current                         | 7.28 A      |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50/60 Hz    |
| Max. lamp number on MCB B10 A          | 29          |
| Max. lamp number on MCB B16 A          | 35          |
| Total harmonic distortion              | 87 %        |
| Power factor $\lambda$                 | > 0.50      |

Photometrical data

|                                         |                         |
|-----------------------------------------|-------------------------|
| Luminous flux                           | 806 lm                  |
| Luminous efficacy                       | 91 lm/W                 |
| Lumen main.fact.at end of nom.life time | 0.96                    |
| Light color (designation)               | Warm White / Cool White |
| Color temperature                       | 2700...4000 K           |
| Color rendering index Ra                | 80                      |
| Light color                             | 827...840               |
| Standard deviation of color matching    | ≤6 sdcn                 |
| Flickering metric (Pst LM)              | 1.0                     |
| Stroboscope effect metric (SVM)         | 0.4                     |



LISO spectral power distribution  
2700K CRI80 v1

## Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 200 °    |
| Warm-up time (60 %) | < 1.00 s |
| Starting time       | < 1.0 s  |

## Dimensions &amp; Weight

|                  |           |
|------------------|-----------|
| Overall length   | 108.00 mm |
| Diameter         | 60.00 mm  |
| Maximum diameter | 60 mm     |
| Product weight   | 25.00 g   |

## Temperatures &amp; operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 90 °C        |

## Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 25000 h |
| Number of switching cycles                   | 100000  |
| Lumen maintenance at end of service lifetime | 0.96    |

## 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 / UKCA / EAC |
| 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 | LEDSCLA603X ACT |
|-----------------|-----------------|

### 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                  | RANGE      |
| Standby power                                       | 0 W        |
| Claim of equivalent power                           | Yes        |
| Length                                              | 108.00 mm  |
| Height                                              | 60.00 mm   |
| Width                                               | 60.00 mm   |
| Chromaticity coordinate x                           | 0.458      |
| Chromaticity coordinate y                           | 0.410      |
| R9 Colour rendering index                           | 1          |
| Beam angle correspondence                           | SPHERE_360 |
| Survival factor                                     | 0.90       |

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Displacement factor                                  | 0.7             |
| LED light source replaces a fluorescent light source | No              |
| EPREL ID                                             | 1838228         |
| Model number                                         | AC56424,AC56424 |

### 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      | LED CLASSIC / LED STICK |
|  | Declarations of conformity UKCA | LED CLASSIC / LED STICK |

| Photometric and lighting design files                                               |                             | Document name                                   |
|-------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|
|  | Spectral power distribution | LISO spectral power distribution 2700K CRI80 v1 |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854240683 | Folding box<br>1             | 60 mm x 60 mm x 145 mm               | 40.00 g      | 0.52 dm <sup>3</sup> |
| 4099854240690 | Shipping box<br>6            | 202 mm x 134 mm x 120 mm             | 329.00 g     | 3.25 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)
- Further information see [www.ledvance.com/low-voltage-ledlamps](http://www.ledvance.com/low-voltage-ledlamps)

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