

## PRODUCT DATASHEET

### DECOR LED FLAT SQUARE 100 BLACK 3.5W 827 Frosted E27 Non-DIM

DECOR FLAT LAMP IN METAL HOUSING | Flat lamp in Metal Housing



#### Areas of application

- Perfect for decorative installations
- Luxurious living areas

#### Product benefits

- The integrated lamp delivers a modern and luxurious atmosphere
- Ultra-compact design lamp without bulb-shaped diffuser
- The special design offers comfortable light distribution
- Type of protection: IP20, Ideal for indoor use
- Lower energy consumption than incandescent or halogen lamps

#### Product features

- The flat lamp is installed in the metal housing for design purposes
- Metal housing has two versions: Globe and Square
- Two different colors are offered for the lamp housing: Gold and Black
- Lifetime up to 25,000 h
- The flat lamp can be detached from the housing
- Can be used directly as luminaire



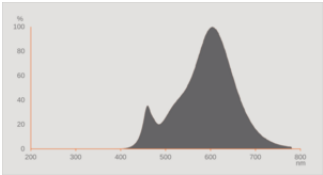
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**TECHNICAL DATA****Electrical data**

|  |             |
|--|-------------|
| Nominal wattage                        | 3.5 W       |
| Construction wattage                   | 3.50 W      |
| Nominal voltage                        | 220...240 V |
| Operating mode                         | AC Mains    |
| Claimed equiv. conventional lamp power | 28 W        |
| Nominal current                        | 32 mA       |
| Type of current                        | AC          |
| Inrush current                         | 2.36 A      |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50/60 Hz    |
| Max. lamp number on MCB B10 A          | 320         |
| Max. lamp number on MCB B16 A          | 514         |
| Total harmonic distortion              | 141.90 %    |
| Power factor $\lambda$                 | 0.46        |

**Photometrical data**

|   |               |
|---|---------------|
| Luminous intensity                      | Not relevant  |
| Luminous flux                           | 300 lm        |
| Luminous efficacy                       | 85 lm/W       |
| Lumen main.fact.at end of nom.life time | 0.96          |
| Light color (designation)               | Warm White    |
| Color temperature                       | 2700 K        |
| Color rendering index Ra                | 80            |
| Light color                             | 827           |
| Standard deviation of color matching    | $\leq 6$ sdcn |
| Flickering metric (Pst LM)              | 1             |
| Stroboscope effect metric (SVM)         | 0.4           |



LISO spectral power distribution  
2700K CRI80 v1

Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 100 °    |
| Warm-up time (60 %) | < 0.50 s |
| Starting time       | < 0.5 s  |

Dimensions & Weight

|                  |           |
|------------------|-----------|
| Overall length   | 162.00 mm |
| Diameter         | 100.00 mm |
| Maximum diameter | 100 mm    |
| Product weight   | 77.00 g   |

Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -25...+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 <sup>1)</sup> |
| Energy consumption                           | 4.00 kWh/1000h  |
| Type of protection                           | IP20            |
| Standards                                    | CE / UKCA / EAC |
| 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 | LFLATSQ100BK 3, |
|-----------------|-----------------|

### 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                  | SINGLE_VALUE |
| Standby power                                       | 0 W          |
| Claim of equivalent power                           | Yes          |
| Length  | 162.00 mm    |

|  |            |
|--|------------|
| Height   | 100.00 mm  |
| Width  | 100.00 mm  |
| Chromaticity coordinate x                            | 0.458      |
| Chromaticity coordinate y                            | 0.410      |
| R9 Colour rendering index                            | 1          |
| Beam angle correspondence                            | SPHERE_360 |
| Survival factor                                      | 0.9        |
| Displacement factor                                  | 0.787      |
| LED light source replaces a fluorescent light source | No         |
| EPREL ID   | 1891350    |
| Model number   | AC59905    |

### 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 lamp Flat lamp                              |
|   | Declarations of conformity UKCA | LED lamp Flat lamp                              |
| 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                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075840140 | Folding box<br>1             | 111 mm x 111 mm x 210 mm             | 149.00 g     | 2.59 dm <sup>3</sup>  |
| 4058075840157 | Shipping box<br>4            | 238 mm x 230 mm x 225 mm             | 783.00 g     | 12.32 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.