

## PRODUCT DATASHEET

### DECOR LED SPIRAL FILAMENT SQUARE 100 18 GOLD DIM 3.5W 818 E27

DECOR SPIRAL FILAMENT LAMP IN METAL HOUSING | Spiral filament 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
- The special design offers comfortable light distribution
- Type of protection: IP20, Ideal for indoor use

#### Product features

- The integrated lamp features a unique spiral-shaped design
- Metal housing has two versions: Globe and Square
- Two different colors are offered for the lamp housing: Gold and Black
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Lifetime: up to 25,000 h
- The integrated lamp cannot be detached from the housing
- Pleasant light: Warm white comfort light color
- Can be used directly as luminaire



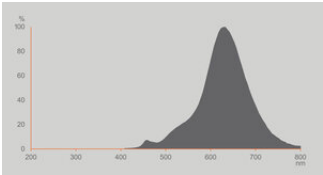
---

**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 | 18 W        |
| Nominal current                        | 19 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 $\lambda$                 | 0.74        |

**Photometrical data**

|                                         |                           |
|-----------------------------------------|---------------------------|
| Luminous intensity                      | Not relevant              |
| Luminous flux                           | 170 lm                    |
| Luminous efficacy                       | 48 lm/W                   |
| Lumen main.fact.at end of nom.life time | 0.96                      |
| Light color (designation)               | Comfort warm white        |
| Color temperature                       | 1800 K                    |
| Color rendering index Ra                | 80                        |
| Light color                             | 818                       |
| Standard deviation of color matching    | $\leq 6$ sdc <sub>m</sub> |
| Flickering metric (Pst LM)              | 1                         |
| Stroboscope effect metric (SVM)         | 0.4                       |



EPREL Data Spectral Diagram LEDr\_1800K\_Big\_Shape\_Smoke

Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 320 °    |
| 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   | 84.00 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 | Clear                                                                                                                                                                                                                                                                                                                                        |
| 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 | Yes <sup>1)</sup> |
|----------|-------------------|

<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

### Certificates & Standards

|                                              |                 |
|----------------------------------------------|-----------------|
| Energy consumption                           | 4.00 kWh/1000h  |
| Type of protection                           | IP20            |
| Standards                                    | CE / UKCA / EAC |
| Photobiological safety group acc. to EN62778 | RG1             |

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LDECOSQ100GD 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        |
| Standby power                                       | 0 W       |
| Claim of equivalent power                           | Yes       |
| Length                                              | 162.00 mm |
| Height                                              | 100.00 mm |
| Width                                               | 100.00 mm |

|                                                      |            |
|------------------------------------------------------|------------|
| R9 Colour rendering index                            | 17         |
| Beam angle correspondence                            | SPHERE_360 |
| Survival factor                                      | 0.9        |
| Displacement factor                                  | 0.887      |
| LED light source replaces a fluorescent light source | No         |

### 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                                           |
|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------|
|     | On-Pack-Info                    | ELR - exempt lamps                                      |
|     | Declarations of conformity      | LED lamp LDECO                                          |
|    | Declarations Of Conformity UKCA | LED lamp LDECO                                          |
| Photometric and lighting design files                                               |                                 | Document name                                           |
|  | Spectral power distribution     | EPREL Data Spectral Diagram LEDr _1800K_Big_Shape_Smoke |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075840225 | Folding box<br>1             | 111 mm x 111 mm x 210 mm             | 156.00 g     | 2.59 dm <sup>3</sup>  |
| 4058075840232 | Shipping box<br>4            | 238 mm x 230 mm x 225 mm             | 811.00 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.