

## RefLED ES111 DIM

RefLED ES111 1000LM DIM 830 25°SL

0027636



### Product features

- Energy saving replacement for halogen ES111 GU10 lamps • High lumen output - 1000lm • Compact design, same diameter as the halogen lamp • Stippled lens to help reduce glare and recreate the halogen light effect • 25° beam angle • High lumen intensity - 4500 cd • 90% energy saving - A+ EEL rating • 11.5 W equivalent to 122W • Dimmable • 25,000 H average rated life, last 12.5 times longer than halogen alternatives • 0.90 power factor • > 50,000X switching cycle • High lumen efficacy -87 lm/W • CRI 80



### PRODUCT OVERVIEW

|                                 |                                                                  |
|---------------------------------|------------------------------------------------------------------|
| Product name                    | RefLED ES111 1000LM DIM 830 25°SL                                |
| Technology                      | LED                                                              |
| Watt (Rated) (W)                | 11.5                                                             |
| Lamp shape                      | Reflector                                                        |
| Type                            | RefLED ES111                                                     |
| Cap/Base                        | GU10                                                             |
| Fixture rating                  | Open                                                             |
| General application             | Hospitality, Retail, Residential & Consumer, Museums & Galleries |
| ETIM Class                      | EC001959                                                         |
| E-number FI                     | 4740563                                                          |
| E-number SE                     | 8292815                                                          |
| Warranty                        | 3 years                                                          |
| Colour temperature (K)          | 3000                                                             |
| Light colour                    | Warm White                                                       |
| Colour Code                     | 830                                                              |
| CRI (Ra)                        | 80                                                               |
| Colour Variation Initial (SDCM) | SDCM6                                                            |
| Colour Consistency (SDCM)       | 6                                                                |
| Beam Angle (°)                  | 25                                                               |
| Wattage (W)                     | 11.5                                                             |
| Product Voltage (V)             | 230                                                              |
| Dimmable                        | Yes                                                              |
| Average life (Nominal) (h)      | 25000                                                            |
| Product EAN number              | 5410288276366                                                    |

### DATA TABLE

#### General data

|                  |                                   |
|------------------|-----------------------------------|
| Product name     | RefLED ES111 1000LM DIM 830 25°SL |
| Technology       | LED                               |
| Watt (Rated) (W) | 11.5                              |
| Lamp shape       | Reflector                         |
| Type             | RefLED ES111                      |
| Cap/Base         | GU10                              |

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|                                                     |                                                                  |
|-----------------------------------------------------|------------------------------------------------------------------|
| Fixture rating                                      | Open                                                             |
| General application                                 | Hospitality, Retail, Residential & Consumer, Museums & Galleries |
| Performance ambient temperature T <sub>a</sub> (°C) | 25                                                               |
| ETIM Class                                          | EC001959                                                         |
| E-number FI                                         | 4740563                                                          |
| E-number SE                                         | 8292815                                                          |
| Warranty                                            | 3 years                                                          |

### Optical data

|                                 |            |
|---------------------------------|------------|
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| Colour Code                     | 830        |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM6      |
| Colour Consistency (SDCM)       | 6          |
| Adjustable chromaticity         | N          |
| Luminous Intensity (cd)         | 4500       |
| Beam Angle (°)                  | 25         |

### Electrical data

|                                                   |          |
|---------------------------------------------------|----------|
| Wattage (W)                                       | 11.5     |
| Starting time (max) (s)                           | 0.5      |
| Warm-up time to 60% of full light (max) (s)       | 2        |
| Current (A)                                       | 55       |
| Mains voltage (V)                                 | 220-240V |
| Product Voltage (V)                               | 230      |
| Lamp power factor                                 | 0.9      |
| No. Of switching cycles before premature failures | >50000   |
| Transformer required                              | Yes      |
| Dimmable                                          | Yes      |
| Lamp Energy Label (class)                         | F        |
| Nominal Frequency (Hz)                            | 50/60Hz  |

### Lifetime data

|                            |       |
|----------------------------|-------|
| Average life (Nominal) (h) | 25000 |
| Average life (Rated) (h)   | 25000 |

### Physical data

|                               |       |
|-------------------------------|-------|
| Nominal Product Length (mm)   | 65    |
| Nominal Product Diameter (mm) | 111   |
| Weight (kg)                   | 0.155 |

### Packaging

|                                       |               |
|---------------------------------------|---------------|
| Single packaging type                 | Carton        |
| Product EAN number                    | 5410288276366 |
| Packaging single length / height (cm) | 11.5          |
| Packaging single width (cm)           | 11.5          |

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|                                      |                |
|--------------------------------------|----------------|
| Packaging single depth (cm)          | 7.8            |
| DUN14 (inner)                        | 25410288276360 |
| Units per inner package              | 6              |
| Packaging inner length / height (cm) | 36.5           |
| Packaging inner width (cm)           | 12.5           |
| Packaging inner depth (cm)           | 17.0           |
| DUN14 (outer)                        | 15410288276363 |
| Units per outer package              | 24             |
| Packaging outer length / height (cm) | 38.3           |
| Packaging outer width (cm)           | 27.0           |
| Packaging outer depth (cm)           | 36.5           |

### Safety data

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Breakage cleaning instructions      | Not applicable                             |
| Special purpose lamp                | No                                         |
| Dry applications use only           | Yes                                        |
| Suitable for household illumination | Yes                                        |
| Safety message                      | Not Suitable for totally enclosed fixtures |