

## RefLED ES50

RefLED ES50 V6 450LM 830 110d SL

0029181



### Product features

- Compact, energy efficient and exceptional value LED GU10 lamp
- Same shape and size as halogen GU10 lamp
- Compact Cluster SMD technology enabling high efficiency with halogen look
- Reduced visible heat sink from the front
- Available in 110 degree beam angle
- High lumen efficacy
- 15,000 hours average rated life
- 3 years warranty



## PRODUCT OVERVIEW

|                                 |   |
|---------------------------------|---|
| Product name                    | RefLED ES50 V6 450LM 830 110d SL  |
| Technology                      | LED   |
| Watt (Rated) (W)                | 6.2   |
| Type                            | LED exchangeable  |
| Cap/Base                        | GU10  |
| Fixture rating                  | Open  |
| General application             | Office, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries |
| ETIM Class                      | EC001959  |
| E-number FI                     | 4741067   |
| Warranty                        | 3 years   |
| Colour temperature (K)          | 3000  |
| Light colour                    | Warm White  |
| CRI (Ra)                        | 80  |
| Colour Variation Initial (SDCM) | SDCM6   |
| Colour Consistency (SDCM)       | 6   |
| Beam Angle (°)                  | 110   |
| Photobiological Risk Group      | RG1   |
| Wattage (W)                     | 6.2   |
| Product Voltage (V)             | 230   |
| Dimmable                        | No  |
| Average life (Nominal) (h)      | 15000   |
| Product EAN number              | 5410288291819   |

## DATA TABLE

### General data

|                  |                                  |
|------------------|----------------------------------|
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|---|---|
| Cap/Base                                | GU10  |
| Fixture rating                          | Open  |
| General application                     | Office, Hospitality, Retail, Education, Residential & Consumer, Museums & Galleries |
| Operating temperature range (°C)        | -20°C - 40°C  |
| Performance ambient temperature Tq (°C) | 25  |
| ETIM Class                              | EC001959  |
| E-number FI                             | 4741067   |
| Warranty                                | 3 years   |

### Optical data

|  |            |
|--|------------|
| Rated Luminous Flux Useful (lm)              | 450        |
| Colour temperature (K)                       | 3000       |
| Light colour                                 | Warm White |
| CRI (Ra)                                     | 80         |
| Colour Variation Initial (SDCM)              | SDCM6      |
| Colour Consistency (SDCM)                    | 6          |
| Rated Luminous Intensity (cd)                | 250        |
| Beam Angle (°)                               | 110        |
| Photobiological Risk Group                   | RG1        |
| Lumen maintenance at end of nominal life (%) | 70         |

### Electrical data

|   |         |
|---|---------|
| Wattage (W)                                       | 6.2     |
| Equivalent watt (W)                               | 60      |
| Product Voltage (V)                               | 230     |
| Control gear required                             | No      |
| No. Of switching cycles before premature failures | >50000  |
| Transformer required                              | No      |
| Dimmable  | No      |
| Inrush Current (A)                                | 3.65    |
| Inrush Duration (µs)                              | 4200    |
| Lamp Energy Label (class)                         | F       |
| Nominal Frequency (Hz)                            | 50/60Hz |
| Max. Luminaires per 16A C Breaker                 | 123     |
| Max. Luminaires per 16A B Breaker                 | 74      |

### Lifetime data

|                            |       |
|----------------------------|-------|
| Lifespan L70 B50           | 15000 |
| Average life (Nominal) (h) | 15000 |
| Average life (Rated) (h)   | 15000 |

### Physical data

|                               |       |
|-------------------------------|-------|
| Nominal Product Height (mm)   | 54    |
| Nominal Product Diameter (mm) | 50    |
| Weight (kg)                   | 0.035 |

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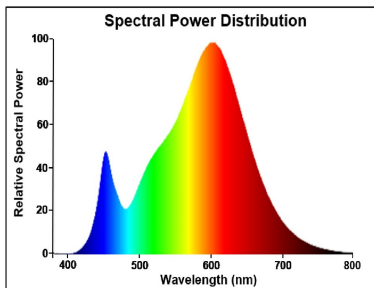
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288291819  |
| Packaging single length / height (cm) | 8.2            |
| Packaging single width (cm)           | 6.1            |
| Packaging single depth (cm)           | 5.1            |
| DUN14 (inner)                         | 25410288291813 |
| Units per inner package               | 6              |
| Packaging inner length / height (cm)  | 9.2            |
| Packaging inner width (cm)            | 16.4           |
| Packaging inner depth (cm)            | 13.1           |
| DUN14 (outer)                         | 15410288291816 |
| Units per outer package               | 60             |
| Packaging outer length / height (cm)  | 20.8           |
| Packaging outer width (cm)            | 17.8           |
| Packaging outer depth (cm)            | 68.5           |

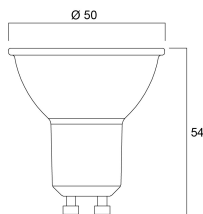
### Safety data

|                                     |  |
|-------------------------------------|--|
| Optimal operating condition (°C)    | -20-40                                     |
| 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 |

## PHOTOMETRY



## TECHNICAL DRAWINGS



# SYLVANIA

RefLED ES50

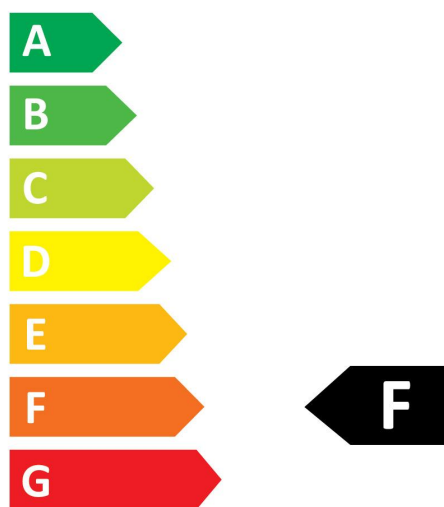
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SYLVANIA

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**7**  
kWh/1000h



2019/2015

# SYLVANIA

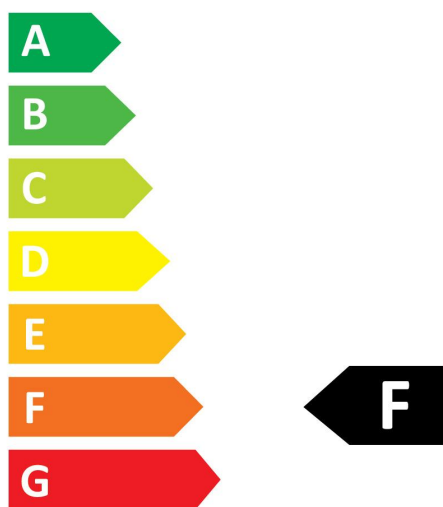
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**7**  
kWh/1000h



2019/2015