

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

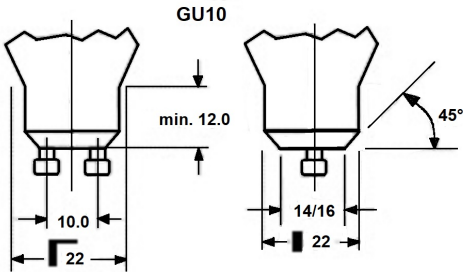
Product Overview

|                                 |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| Product name                    | RefLED ES50 V6 580LM 830 110 SL                                                     |
| Technology                      | LED                                                                                 |
| Watt (Rated) (W)                | 7                                                                                   |
| Type                            | LED exchangeable                                                                    |
| Cap/Base                        | GU10                                                                                |
| Fixture rating                  | Open                                                                                |
| General application             | Education, Hospitality, Museums & Galleries, Office, Residential & Consumer, Retail |
| ETIM Class                      | EC001959                                                                            |
| E-number FI                     | 4741072                                                                             |
| Colour temperature (K)          | 3000                                                                                |
| Light colour                    | Warm White                                                                          |
| CRI (Ra)                        | 80                                                                                  |
| Colour Consistency (SDCM)       | 6                                                                                   |
| Colour Variation Initial (SDCM) | 6                                                                                   |
| Beam Angle (°)                  | 110                                                                                 |
| Photobiological Risk Group      | RG1                                                                                 |
| Wattage (W)                     | 7                                                                                   |

RefLED ES50 V6 580LM 830 110 SL  
0029188

|                            |               |
|----------------------------|---------------|
| Product Voltage (V)        | 230           |
| Dimmable                   | No            |
| Average life (Nominal) (h) | 15000         |
| Product EAN number         | 5410288291888 |
| Warranty                   | 3 years       |

Technical drawings



Data table

GENERAL DATA

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| Product name                     | RefLED ES50 V6 580LM 830 110 SL                                                     |
| Technology                       | LED                                                                                 |
| Watt (Rated) (W)                 | 7                                                                                   |
| Type                             | LED exchangeable                                                                    |
| Cap/Base                         | GU10                                                                                |
| Fixture rating                   | Open                                                                                |
| General application              | Education, Hospitality, Museums & Galleries, Office, Residential & Consumer, Retail |
| Operating temperature range (°C) | -20°C...+40°C                                                                       |

## RefLED ES50 V6 580LM 830 110 SL 0029188

|                                         |    |
|-----------------------------------------|----|
| Performance ambient temperature Tq (°C) | 25 |
|-----------------------------------------|----|

|            |          |
|------------|----------|
| ETIM Class | EC001959 |
|------------|----------|

|             |         |
|-------------|---------|
| E-number FI | 4741072 |
|-------------|---------|

|          |         |
|----------|---------|
| Warranty | 3 years |
|----------|---------|

### OPTICAL DATA

|                        |      |
|------------------------|------|
| Colour temperature (K) | 3000 |
|------------------------|------|

|              |            |
|--------------|------------|
| Light colour | Warm White |
|--------------|------------|

|          |    |
|----------|----|
| CRI (Ra) | 80 |
|----------|----|

|                           |   |
|---------------------------|---|
| Colour Consistency (SDCM) | 6 |
|---------------------------|---|

|                                 |   |
|---------------------------------|---|
| Colour Variation Initial (SDCM) | 6 |
|---------------------------------|---|

|                         |     |
|-------------------------|-----|
| Luminous Intensity (cd) | 320 |
|-------------------------|-----|

|                |     |
|----------------|-----|
| Beam Angle (°) | 110 |
|----------------|-----|

|                            |     |
|----------------------------|-----|
| Photobiological Risk Group | RG1 |
|----------------------------|-----|

|                                              |    |
|----------------------------------------------|----|
| Lumen maintenance at end of nominal life (%) | 70 |
|----------------------------------------------|----|

### ELECTRICAL DATA

|             |   |
|-------------|---|
| Wattage (W) | 7 |
|-------------|---|

|                     |    |
|---------------------|----|
| Equivalent watt (W) | 80 |
|---------------------|----|

|                     |     |
|---------------------|-----|
| Product Voltage (V) | 230 |
|---------------------|-----|

|                       |    |
|-----------------------|----|
| Control gear required | No |
|-----------------------|----|

|                                                   |        |
|---------------------------------------------------|--------|
| No. Of switching cycles before premature failures | >50000 |
|---------------------------------------------------|--------|

|                      |    |
|----------------------|----|
| Transformer required | No |
|----------------------|----|

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

|                    |     |
|--------------------|-----|
| Inrush Current (A) | 6.0 |
|--------------------|-----|

|                      |     |
|----------------------|-----|
| Inrush Duration (µs) | 244 |
|----------------------|-----|

|                           |   |
|---------------------------|---|
| Lamp Energy Label (class) | F |
|---------------------------|---|

|                        |         |
|------------------------|---------|
| Nominal Frequency (Hz) | 50/60Hz |
|------------------------|---------|

|                                   |     |
|-----------------------------------|-----|
| Max. Luminaires per 16A C Breaker | 147 |
|-----------------------------------|-----|

|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 16A B Breaker | 88 |
|-----------------------------------|----|

### 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 |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288291888  |
| Packaging single length / height (cm) | 8.2            |
| Packaging single width (cm)           | 6.1            |
| Packaging single depth (cm)           | 5.1            |
| DUN14 (inner)                         | 25410288291882 |
| 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)                         | 15410288291885 |
| 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            |

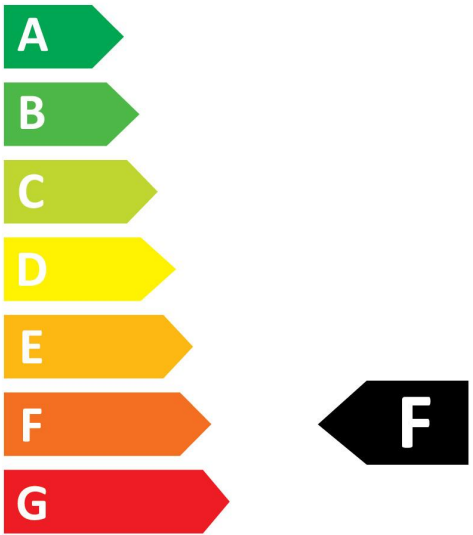
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Safety message

Not Suitable for totally enclosed fixtures

Energy label

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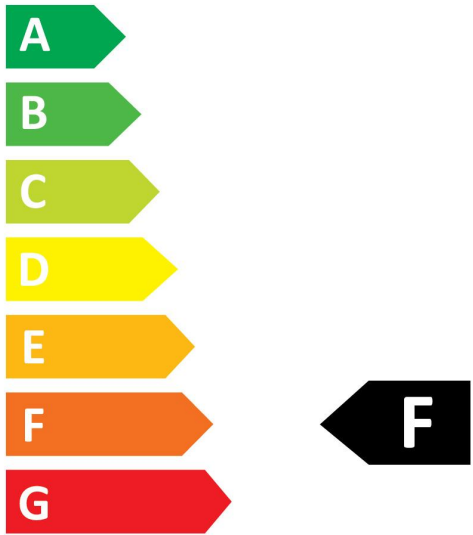


7  
kWh/1000h



2019/2015

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7  
kWh/1000h



2019/2015