

ToLEDo Retro Ball  
ToLEDo RT Ball CL 470LM 827 E14 SL4  
0029553



Product features

- Perfect for decorative and general lighting applications and creates a warm ambience similar to traditional lampsThe versatile ToLEDo Retro ball range is the ideal replacement for halogen and incandescent lamps and perfect for chandeliers and decorative applicationsSame look, size and functionality as incandescent lampsOmni-directional light distributionGives same sparkling light effect as the incandescent lampDimensionally identical to incandescent lamps - fits all fixturesEnvironment-friendly - no mercury and lower CO2 emissions



PRODUCT OVERVIEW

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Product name                    | ToLEDo RT Ball CL 470LM 827 E14 SL4 |
| Technology                      | LED                                 |
| Watt (Rated) (W)                | 4.5                                 |
| Type                            | LED exchangeable                    |
| Cap/Base                        | E14                                 |
| Fixture rating                  | Open                                |
| General application             | Residential & Consumer              |
| ETIM Class                      | EC001959                            |
| Warranty                        | 2 years                             |
| Luminous flux (lm)              | 470                                 |
| Colour temperature (K)          | 2700                                |
| Light colour                    | Homelight                           |
| CRI (Ra)                        | 80                                  |
| Colour Variation Initial (SDCM) | SDCM6                               |
| Photobiological Risk Group      | RG1                                 |
| Wattage (W)                     | 4.5                                 |
| Product Voltage (V)             | 230                                 |
| Dimmable                        | No                                  |
| Average life (Nominal) (h)      | 15000                               |
| Product EAN number              | 5410288295534                       |

DATA TABLE

|              |                                     |
|--------------|-------------------------------------|
| General data |                                     |
| Product name | ToLEDo RT Ball CL 470LM 827 E14 SL4 |
| Technology   | LED                                 |

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|-----------------------------------------|------------------------|
| Watt (Rated) (W)                        | 4.5                    |
| Type                                    | LED exchangeable       |
| Cap/Base                                | E14                    |
| Fixture rating                          | Open                   |
| General application                     | Residential & Consumer |
| Operating temperature range (°C)        | -20°C...+40°C          |
| Performance ambient temperature Tq (°C) | 25                     |
| ETIM Class                              | EC001959               |
| Warranty                                | 2 years                |

### Optical data

|                                              |           |
|----------------------------------------------|-----------|
| Luminous flux (lm)                           | 470       |
| Luminous flux (Rated) (lm)                   | 470       |
| Colour temperature (K)                       | 2700      |
| Light colour                                 | Homelight |
| CRI (Ra)                                     | 80        |
| Colour Variation Initial (SDCM)              | SDCM6     |
| Photobiological Risk Group                   | RG1       |
| Lumen maintenance at end of nominal life (%) | 70        |

### Electrical data

|                                                   |         |
|---------------------------------------------------|---------|
| Wattage (W)                                       | 4.5     |
| Equivalent watt (W)                               | 40      |
| Product Voltage (V)                               | 230     |
| Control gear required                             | No      |
| No. Of switching cycles before premature failures | >50000  |
| Transformer required                              | No      |
| Dimmable                                          | No      |
| Inrush Current (A)                                | 6.3     |
| Inrush Duration (µs)                              | 240     |
| Lamp Energy Label (class)                         | F       |
| Nominal Frequency (Hz)                            | 50/60Hz |
| Max. Luminaires per 16A C Breaker                 | 25      |
| Max. Luminaires per 16A B Breaker                 | 13      |

### Lifetime data

|                            |       |
|----------------------------|-------|
| Lifespan L70 B50           | 12000 |
| Average life (Nominal) (h) | 15000 |
| Average life (Rated) (h)   | 15000 |

### Physical data

|                               |      |
|-------------------------------|------|
| Nominal Product Length (mm)   | 80   |
| Nominal Product Diameter (mm) | 45   |
| Weight (kg)                   | 0.18 |

### Packaging

|                       |        |
|-----------------------|--------|
| Single packaging type | Carton |
|-----------------------|--------|

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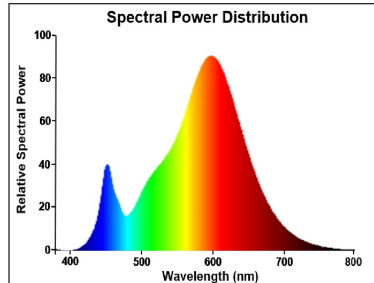
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|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288295534  |
| Packaging single length / height (cm) | 11.0           |
| Packaging single width (cm)           | 15.7           |
| Packaging single depth (cm)           | 3.9            |
| DUN14 (outer)                         | 15410288295531 |
| Units per outer package               | 6              |
| Packaging outer length / height (cm)  | 10.5           |
| Packaging outer width (cm)            | 31.1           |
| Packaging outer depth (cm)            | 20.2           |

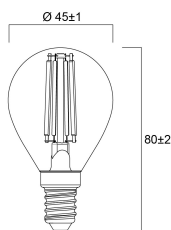
### Safety data

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| 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

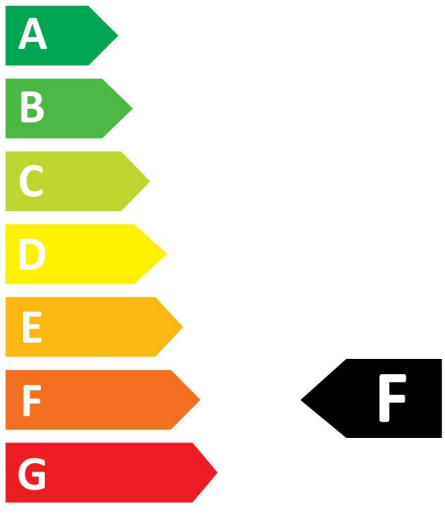


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**ENERGY**  
**SYLVANIA**

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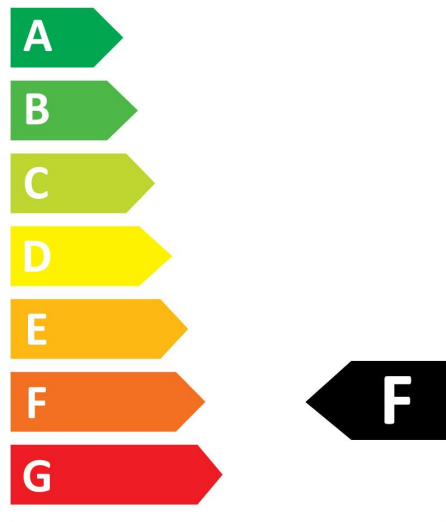
**5**  
kWh/1000h



2019/2015

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**SYLVANIA**  
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**5**  
kWh/1000h



2019/2015