

## ToLEDo Retro Ball

ToLEDo RT Ball CL 470LM 827 E27 SL4  
0029552



### Product features

- Perfect for decorative and general lighting applications and creates a warm ambience similar to traditional lamps
- The versatile ToLEDo Retro ball range is the ideal replacement for halogen and incandescent lamps and perfect for chandeliers and decorative applications
- Same look, size and functionality as incandescent lamps
- Omni-directional light distribution
- Gives same sparkling light effect as the incandescent lamp
- Dimensionally identical to incandescent lamps - fits all fixtures
- Environment-friendly - no mercury and lower CO2 emissions



## PRODUCT OVERVIEW

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Product name                    | ToLEDo RT Ball CL 470LM 827 E27 SL4 |
| Technology                      | LED                                 |
| Watt (Rated) (W)                | 4.5                                 |
| Type                            | LED exchangeable                    |
| Cap/Base                        | E27                                 |
| 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                                 |
| Dimmable                        | No                                  |
| Average life (Nominal) (h)      | 15000                               |
| Product EAN number              | 5410288295527                       |

## DATA TABLE

### General data

|                  |                                     |
|------------------|-------------------------------------|
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|   |                        |
|---|------------------------|
| Cap/Base                                | E27                    |
| 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      |
| Primary Supply/Product voltage - min (V)          | 220     |
| Primary Supply/Product voltage - max (V)          | 240     |
| Control gear required                             | No      |
| No. Of switching cycles before premature failures | >50000  |
| Dimmable  | No      |
| Inrush Current (A)                                | 6.3     |
| Inrush Duration (µs)                              | 240     |
| Lamp Energy Label (class)                         | F       |
| Nominal Frequency (Hz)                            | 50/60Hz |
| Max. products per 16A C Breaker                   | 25      |
| Max. products 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)   | 78   |
| Nominal Product Diameter (mm) | 45   |
| Weight (kg)                   | 0.18 |

### Packaging

|                       |               |
|-----------------------|---------------|
| Single packaging type | Carton        |
| Product EAN number    | 5410288295527 |

## ToLEDo Retro Ball

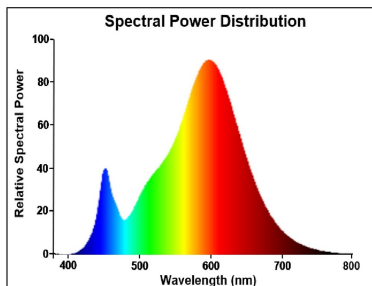
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|                                       |                |
|---------------------------------------|----------------|
| Packaging single length / height (cm) | 9.5            |
| Packaging single width (cm)           | 19.7           |
| Packaging single depth (cm)           | 5.0            |
| DUN14 (outer)                         | 15410288295524 |
| Units per outer package               | 6              |
| Packaging outer length / height (cm)  | 10.5           |
| Packaging outer width (cm)            | 31.1           |
| Packaging outer depth (cm)            | 20.2           |

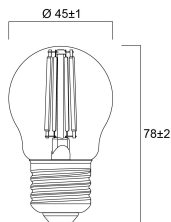
### Safety data

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



# SYLVANIA

## ToLEDo Retro Ball

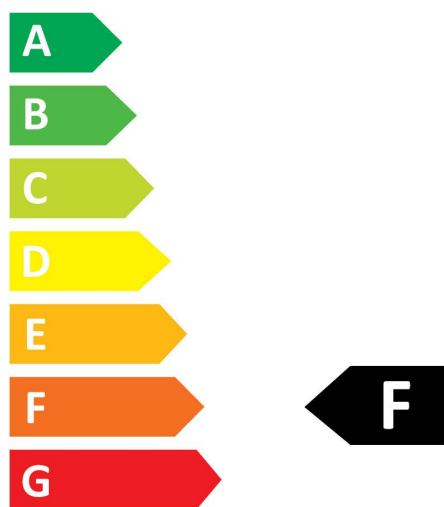
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**5**  
kWh/1000h



2019/2015

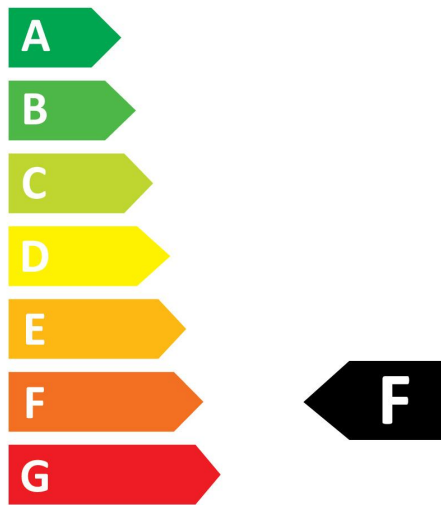
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**5**  
kWh/1000h



2019/2015