

## ToLEDo Retro Ball

ToLEDo RT Ball V5 CL 470LM 827 E14 SL

0029502



### 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 V5 CL 470LM 827 E14 SL |
| Technology                      | LED                                   |
| Watt (Rated) (W)                | 4.5                                   |
| Type                            | LED exchangeable                      |
| Cap/Base                        | E14                                   |
| Fixture rating                  | Open                                  |
| General application             | Hospitality, Residential & Consumer   |
| ETIM Class                      | EC001959                              |
| E-number FI                     | 4740949                               |
| Warranty                        | 3 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              | 5410288295022                         |

## DATA TABLE

### General data

|              |                                       |
|--------------|---------------------------------------|
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| Technology                              | LED                                 |
| Watt (Rated) (W)                        | 4.5                                 |
| Type                                    | LED exchangeable                    |
| Cap/Base                                | E14                                 |
| Fixture rating                          | Open                                |
| General application                     | Hospitality, Residential & Consumer |
| Operating temperature range (°C)        | -20°C...+40°C                       |
| Performance ambient temperature Tq (°C) | 25                                  |
| ETIM Class                              | EC001959                            |
| E-number FI                             | 4740949                             |
| Warranty                                | 3 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           | 15000 |
| Average life (Nominal) (h) | 15000 |
| Average life (Rated) (h)   | 15000 |

### Physical data

|                               |       |
|-------------------------------|-------|
| Nominal Product Length (mm)   | 80    |
| Nominal Product Diameter (mm) | 45    |
| Weight (kg)                   | 0.045 |

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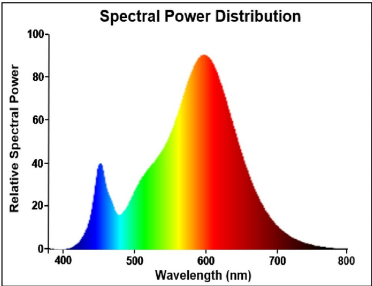
Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288295022  |
| Packaging single length / height (cm) | 9.5            |
| Packaging single width (cm)           | 5.0            |
| Packaging single depth (cm)           | 5.0            |
| DUN14 (outer)                         | 15410288295029 |
| Units per outer package               | 6              |
| Packaging outer length / height (cm)  | 15.8           |
| Packaging outer width (cm)            | 10.7           |
| Packaging outer depth (cm)            | 10.5           |

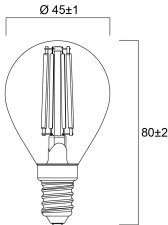
Safety data

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



ToLEDo Retro Ball  
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**ENERG**

**SYLVANIA**

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**5**  
kWh/1000h



2019/2015

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**5**  
kWh/1000h



2019/2015