



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

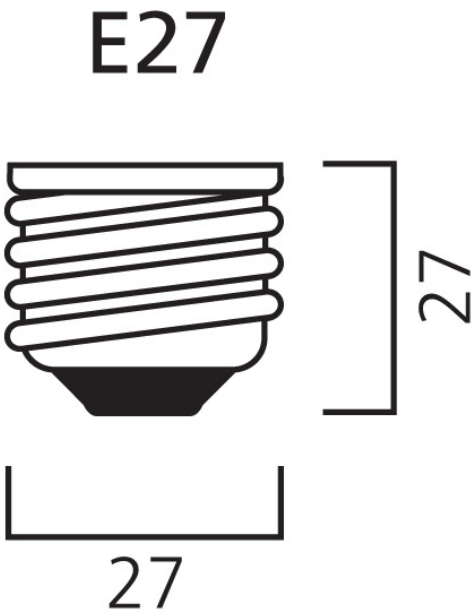
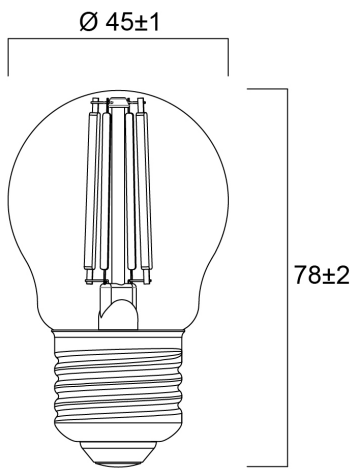
Product Overview

Product name	ToLEDo RT Ball V5 CL 470LM 827 E27 SL
Technology	LED
Watt (Rated) (W)	4.5
Type	LED exchangeable
Cap/Base	E27
Fixture rating	Open
General application	Hospitality, Residential & Consumer
ETIM Class	EC001959
E-number FI	4740950
Luminous flux (lm)	470
Colour temperature (K)	2700
Light colour	Homelight
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Photobiological Risk Group	RG1
Wattage (W)	4.5
Product Voltage (V)	230
Dimmable	No

ToLEDo RT Ball V5 CL 470LM 827 E27 SL
0029503

Average life (Nominal) (h)	15000
Product EAN number	5410288295039
Warranty	3 years

Technical drawings



Data table

GENERAL DATA

Product name	ToLEDo RT Ball V5 CL 470LM 827 E27 SL
Technology	LED
Watt (Rated) (W)	4.5
Type	LED exchangeable
Cap/Base	E27
Fixture rating	Open
General application	Hospitality, Residential & Consumer
Operating temperature range (°C)	-20°C...+40°C

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Performance ambient temperature Tq (°C)	25
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ETIM Class	EC001959
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E-number FI	4740950
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Warranty	3 years
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OPTICAL DATA

Luminous flux (lm)	470
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Luminous flux (Rated) (lm)	470
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Colour temperature (K)	2700
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Light colour	Homelight
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CRI (Ra)	80
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Colour Variation Initial (SDCM)	6
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Photobiological Risk Group	RG1
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Lumen maintenance at end of nominal life (%)	70
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ELECTRICAL DATA

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

ToLEDo RT Ball V5 CL 470LM 827 E27 SL 0029503

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

PHYSICAL DATA

Nominal Product Length (mm)	78
Nominal Product Diameter (mm)	45
Weight (kg)	0.045

PACKAGING

Single packaging type	Carton
Product EAN number	5410288295039
Packaging single length / height (cm)	9.5
Packaging single width (cm)	5.0
Packaging single depth (cm)	5.0
DUN14 (outer)	15410288295036
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

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Energy label



0029503



5
kWh/1000h



2019/2015



0029503



5
kWh/1000h



2019/2015