



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

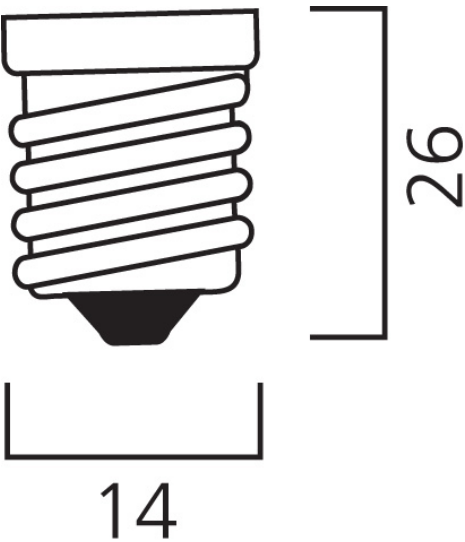
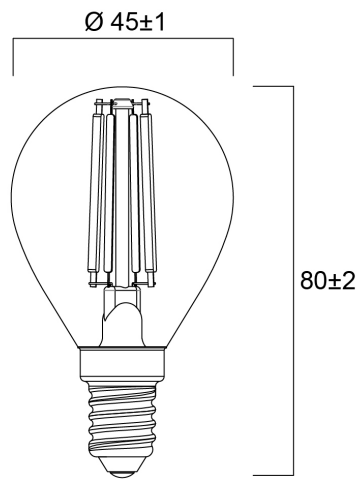
Product Overview

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
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
Average life (Nominal) (h)	15000

ToLEDo RT Ball CL 470LM 827 E14 SL4
0029553

Product EAN number	5410288295534
Warranty	2 years

Technical drawings



Data table

GENERAL DATA

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
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001959

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Warranty	2 years
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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)	6
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
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

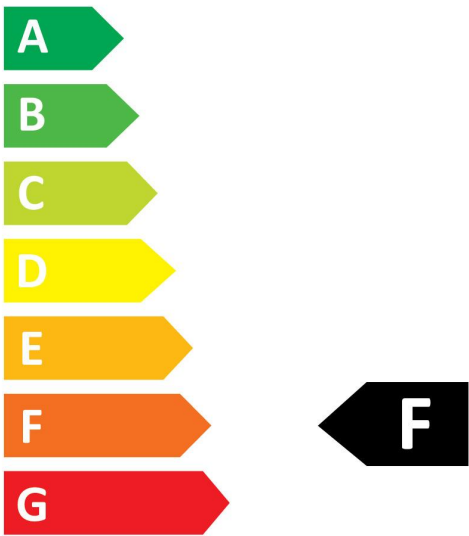
SAFETY DATA

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

Energy label



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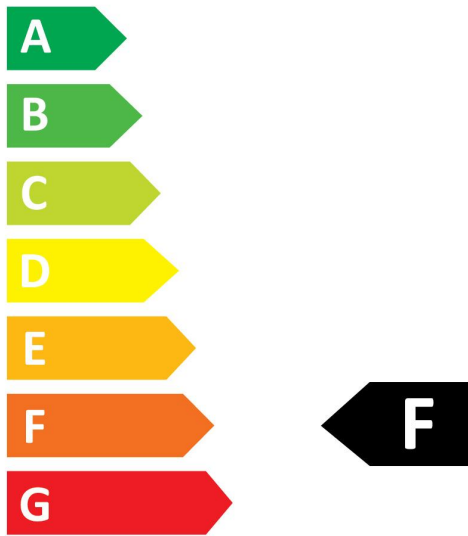
5 kWh/1000h



2019/2015



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5 kWh/1000h



2019/2015