PHILIPS

TORNADO

CTORNDO



Product Description

The Helix range is a twist-shape compact fluorescent lamp, with optimal light distribution. It is available in 11W, 15W, 20W and 23W (25W), with lumen equivalence of 60W, 75W, 100W and 125W incandescent light bulb. It is also available in two color temperatures: warm white (2700K) and cool daylight (6500K). It is available in both 220-240V and 120-127V and able to operate under a wide voltage range (Power supply fluctuation). It consumes up to 80% less energy than the incandescent light bulb and lasts for 3 years.

Benefits

- Very compact size and wide range allowing easy replacement of most GLS lamps from 25 W up to 150 W
- More than 80% energy saving effect compared with incandescent lamps of similar light output
- Fewer lamp replacements. Fit & forget.

Applications

- The Helix range is widely used to replace incandescent light bulb at all kinds of applications, especially where require intensive light output.
- It is not suitable for dimming and electronic devices

Features

- Spiral-shaped alternative to incandescent lamps
- High energy efficiency
- Long-life alternative to incandescent lamps

- Breaking a lamp is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a closed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- Compact fluorescent lamps have to be treated as special waste, they must be taken to your local waste facilities for recycling. The European Lighting Industry has set up an infrastructure, capable of recycling mercury, other metals, glass etc.

Versions



8718291138150 - RFT



8718291138075 - RFT



8718291137993 - RFT



8718291138198 - RFT

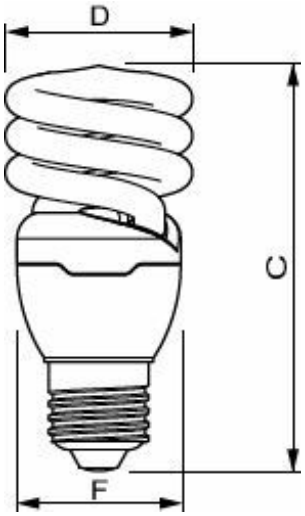


8718291138112 - RFT

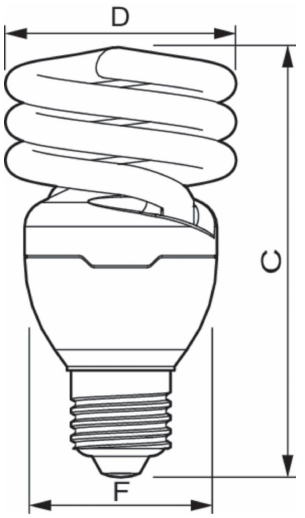


8718291138037 - RFT

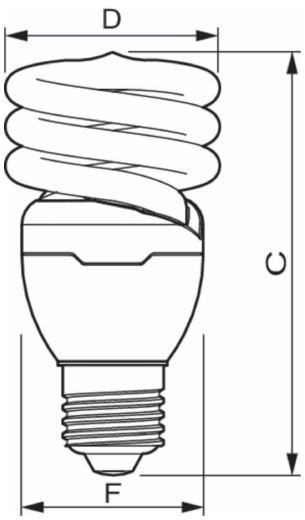
Dimensional drawing



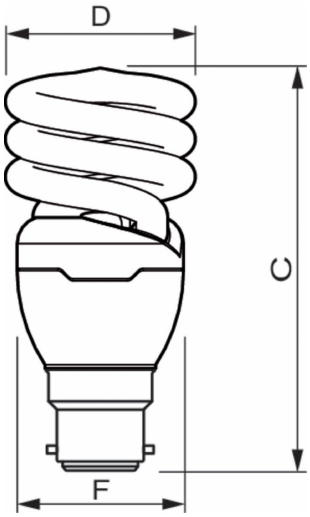
Product	D (max)	C (max)	F (max)
15 W (60 W) E27 cap Cool daylight Spiral energy saving bulb	51.5 mm	107.5 mm	42.5 mm
15 W (60 W) E27 cap Warm white Spiral energy saving bulb	51.5 mm	107.5 mm	42.5 mm



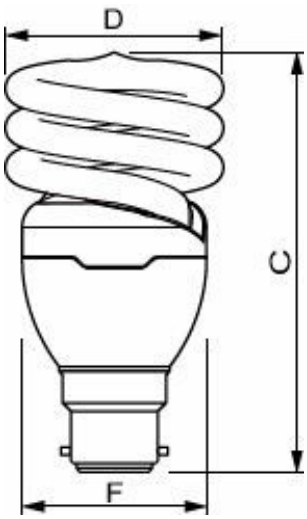
Product	D (max)	C (max)	F (max)
24 W (100 W) E27 cap Cool daylight Spiral energy saving bulb	61.5 mm	118.5 mm	50.5 mm
24 W (100 W) E27 cap Warm white Spiral energy saving bulb	61.5 mm	118.5 mm	50.5 mm



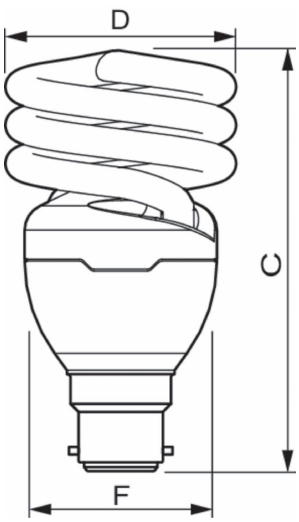
Product	D (max)	C (max)	F (max)
20 W (75 W) E27 cap Cool daylight Spiral energy saving bulb	56.5 mm	111.5 mm	47 mm
20 W (75 W) E27 cap Warm white Spiral energy saving bulb	56.5 mm	111.5 mm	47 mm



Product	D (max)	C (max)	F (max)
15 W (60 W) B22 cap Cool daylight Spiral energy saving bulb	51.5 mm	106.0 mm	42.5 mm
15 W (60 W) B22 cap Warm white Spiral energy saving bulb	51.5 mm	106.0 mm	42.5 mm



Product	D (max)	C (max)	F (max)
20 W (75 W) B22 cap Cool daylight Spiral energy saving bulb	56.5 mm	110.0 mm	47 mm
20 W (75 W) B22 cap Warm white Spiral energy saving bulb	56.5 mm	110.0 mm	47 mm



Product	D (max)	C (max)	F (max)
24 W (100 W) B22 cap Cool daylight Spiral energy saving bulb	61.5 mm	117 mm	50.5 mm
24 W (100 W) B22 cap Warm white Spiral energy saving bulb	61.5 mm	117 mm	50.5 mm

General Information

Nominal lifetime	8,000 hour(s)
Switching Cycle	5,000
Rated Lifetime (Hours)	8,000 hour(s)

Light Technical

LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Starting Time (Nom)	0.3 s
Voltage (Nom)	220-240 V

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Shape	Spiral

General Information

Order Code	Full Product Name	Cap-Base
929689858502	24 W (100 W) B22 cap Warm white Spiral energy saving bulb	B22
929689858602	24 W (100 W) B22 cap Cool daylight Spiral energy saving bulb	B22
929689858302	20 W (75 W) B22 cap Warm white Spiral energy saving bulb	B22
929689858402	20 W (75 W) B22 cap Cool daylight Spiral energy saving bulb	B22
929689858102	15 W (60 W) B22 cap Warm white Spiral energy saving bulb	B22
929689858202	15 W (60 W) B22 cap Cool daylight Spiral energy saving bulb	B22
929689848506	24 W (100 W) E27 cap Warm white Spiral energy saving bulb	E27
929689848605	24 W (100 W) E27 cap Cool daylight Spiral energy saving bulb	E27
929689848306	20 W (75 W) E27 cap Warm white Spiral energy saving bulb	E27
929689848405	20 W (75 W) E27 cap Cool daylight Spiral energy saving bulb	E27
929689848105	15 W (60 W) E27 cap Warm white Spiral energy saving bulb	E27
929689848205	15 W (60 W) E27 cap Cool daylight Spiral energy saving bulb	E27

Light Technical

Order Code	Full Product Name	Color Code	Luminous Flux	Color Designation	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
929689858502	24 W (100 W) B22 cap Warm white Spiral energy saving bulb	827	1,550 lm	Warm White (WW)	463	420	2700 K	67 lm/W	82
929689858602	24 W (100 W) B22 cap Cool daylight Spiral energy saving bulb	865	1,450 lm	Cool Daylight	313	337	6500 K	63 lm/W	80
929689858302	20 W (75 W) B22 cap Warm white Spiral energy saving bulb	827	1,250 lm	Warm White (WW)	463	420	2700 K	65 lm/W	82
929689858402	20 W (75 W) B22 cap Cool daylight Spiral energy saving bulb	865	1,200 lm	Cool Daylight	313	337	6500 K	61 lm/W	80
929689858102	15 W (60 W) B22 cap Warm white Spiral energy saving bulb	827	950 lm	Warm White (WW)	463	420	2700 K	65 lm/W	82
929689858202	15 W (60 W) B22 cap Cool daylight Spiral energy saving bulb	865	900 lm	Cool Daylight	313	337	6500 K	61 lm/W	80
929689848506	24 W (100 W) E27 cap Warm white Spiral energy saving bulb	827	1,550 lm	Warm White (WW)	463	420	2700 K	67 lm/W	82
929689848605	24 W (100 W) E27 cap Cool daylight Spiral energy saving bulb	865	1,450 lm	Cool Daylight	313	337	6500 K	63 lm/W	80
929689848306	20 W (75 W) E27 cap Warm white Spiral energy saving bulb	827	1,250 lm	Warm White (WW)	463	420	2700 K	65 lm/W	82
929689848405	20 W (75 W) E27 cap Cool daylight Spiral energy saving bulb	865	1,200 lm	Cool Daylight	313	337	6500 K	61 lm/W	80
929689848105	15 W (60 W) E27 cap Warm white Spiral energy saving bulb	827	950 lm	Warm White (WW)	463	420	2700 K	65 lm/W	82
929689848205	15 W (60 W) E27 cap Cool daylight Spiral energy saving bulb	865	900 lm	Cool Daylight	313	337	6500 K	61 lm/W	80

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Lamp Current (Nom)
929689858502	24 W (100 W) B22 cap Warm white Spiral energy saving bulb	24 W	170 mA
929689858602	24 W (100 W) B22 cap Cool daylight Spiral energy saving bulb	24 W	170 mA
929689858302	20 W (75 W) B22 cap Warm white Spiral energy saving bulb	20 W	150 mA
929689858402	20 W (75 W) B22 cap Cool daylight Spiral energy saving bulb	20 W	150 mA
929689858102	15 W (60 W) B22 cap Warm white Spiral energy saving bulb	15 W	110 mA
929689858202	15 W (60 W) B22 cap Cool daylight Spiral energy saving bulb	15 W	110 mA
929689848506	24 W (100 W) E27 cap Warm white Spiral energy saving bulb	24 W	170 mA
929689848605	24 W (100 W) E27 cap Cool daylight Spiral energy saving bulb	24 W	170 mA
929689848306	20 W (75 W) E27 cap Warm white Spiral energy saving bulb	20 W	150 mA
929689848405	20 W (75 W) E27 cap Cool daylight Spiral energy saving bulb	20 W	150 mA
929689848105	15 W (60 W) E27 cap Warm white Spiral energy saving bulb	15 W	110 mA
929689848205	15 W (60 W) E27 cap Cool daylight Spiral energy saving bulb	15 W	110 mA

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)	Energy Consumption kWh/1000 h
929689858502	24 W (100 W) B22 cap Warm white Spiral energy saving bulb	2 mg	23 kWh
929689858602	24 W (100 W) B22 cap Cool daylight Spiral energy saving bulb	2 mg	23 kWh
929689858302	20 W (75 W) B22 cap Warm white Spiral energy saving bulb	1.5 mg	20 kWh
929689858402	20 W (75 W) B22 cap Cool daylight Spiral energy saving bulb	1.5 mg	20 kWh
929689858102	15 W (60 W) B22 cap Warm white Spiral energy saving bulb	1.5 mg	15 kWh
929689858202	15 W (60 W) B22 cap Cool daylight Spiral energy saving bulb	1.5 mg	15 kWh
929689848506	24 W (100 W) E27 cap Warm white Spiral energy saving bulb	2 mg	23 kWh
929689848605	24 W (100 W) E27 cap Cool daylight Spiral energy saving bulb	2 mg	23 kWh
929689848306	20 W (75 W) E27 cap Warm white Spiral energy saving bulb	1.5 mg	20 kWh
929689848405	20 W (75 W) E27 cap Cool daylight Spiral energy saving bulb	1.5 mg	20 kWh
929689848105	15 W (60 W) E27 cap Warm white Spiral energy saving bulb	-	15 kWh
929689848205	15 W (60 W) E27 cap Cool daylight Spiral energy saving bulb	-	15 kWh

© 2026 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.