



# Decorative spiral energy-saving lamp with trusted quality

## Eco Twister

This small, compact spiral lamp offers a lifetime of up to 6000 hours. The family includes products from 8 to 23 W, allowing easy replacement of most GLS lamps from 30 to 100 W.

### Benefits

- More than 80% energy saving compared with incandescent lamps of similar light output
- Average lifetime up to 6 times longer than an incandescent lamp
- The lamp's decorative spiral look means it can be used in applications where it is directly visible

### Features

- Spiral-shaped alternative to incandescent lamps
- Better light distribution than with common 'stick' CFLi lamps
- Low mercury content
- Smaller size with greater brightness

### Application

- Widely used to replace incandescent light bulbs in all kinds of general lighting applications
- Not suitable for dimming or for electronic devices

# Eco Twister

## Warnings and Safety

- 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

15 W (70 W) Compact fluorescent  
Spiral bulb - RFT



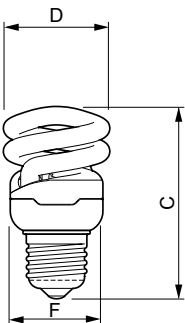
8 W (30 W) E27 cap Compact  
fluorescent Spiral bulb - RFT



12 W (50 W) Compact fluorescent  
Spiral bulb - RFT



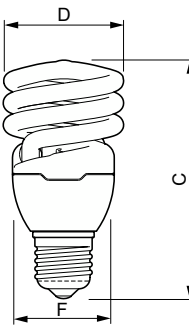
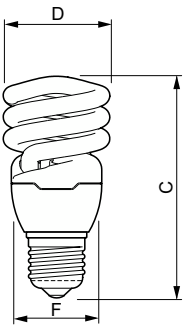
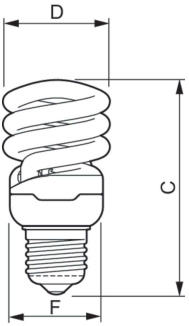
## Dimensional drawing



Product	D (max)	C (max)	F (max)
8 W (30 W) E27 cap Compact fluorescent Spiral bulb	46 mm	81.5 mm	40 mm

# Eco Twister

## Dimensional drawing



Product	D (max)	C (max)	F (max)
12 W (50 W) Compact fluorescent Spiral bulb	46 mm	91 mm	40 mm
12 W (50 W) Compact fluorescent Spiral bulb	46 mm	91 mm	40 mm

Product	D (max)	C (max)	F (max)
15 W (60 W) Compact fluorescent Spiral bulb	50 mm	104.5 mm	42 mm

Product	D (max)	C (max)	F (max)
20 W (80 W) Compact fluorescent Spiral bulb	55 mm	108.5 mm	46.5 mm
20 W (90 W) Compact fluorescent Spiral bulb	55 mm	108.5 mm	46.5 mm

## General Information

Cap-Base	E27
Rated Lifetime (Hours)	6,000 hour(s)
Switching Cycle	4,000
Nominal lifetime	6,000 hour(s)

## Light Technical

Color rendering index (CRI)	77
LLMF At End Of Nominal Lifetime (Nom)	70 %

## Operating and Electrical

Warm-up time to 60% light	<2 s
Input Frequency	50 or 60 Hz
Line Frequency	50 or 60 Hz
Starting Time (Nom)	0.3 s

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Shape	Spiral
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## Approval and Application

Energy Saving Product	Yes
Mercury (Hg) Content (Max)	2 mg

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)		
929689001201	15 W (60 W) Compact fluorescent Spiral bulb	313	337	Cool Daylight	6500 K
929689000801	8 W (30 W) E27 cap Compact fluorescent Spiral bulb	313	337	Cool Daylight	6500 K
929689208601	12 W (50 W) Compact fluorescent Spiral bulb	463	420	Warm White (WW)	2700 K
929689208701	12 W (50 W) Compact fluorescent Spiral bulb	313	337	Cool Daylight	6500 K
929689001401	20 W (80 W) Compact fluorescent Spiral bulb	313	337	Cool Daylight	6500 K
929689209001	20 W (90 W) Compact fluorescent Spiral bulb	463	420	Warm White (WW)	2700 K

## Light Technical (2/2)

Order Code	Full Product Name	Color Code	Luminous	
			Efficacy (rated) (Nom)	Luminous Flux
929689001201	15 W (60 W) Compact fluorescent Spiral bulb	865	56 lm/W	840 lm
929689000801	8 W (30 W) E27 cap Compact fluorescent Spiral bulb	865	53 lm/W	424 lm
929689208601	12 W (50 W) Compact fluorescent Spiral bulb	827	55 lm/W	665 lm

Order Code	Full Product Name	Color Code	Luminous	
			Efficacy (rated) (Nom)	Luminous Flux
929689208701	12 W (50 W) Compact fluorescent Spiral bulb	865	55 lm/W	665 lm
929689001401	20 W (80 W) Compact fluorescent Spiral bulb	865	59 lm/W	1,180 lm
929689209001	20 W (90 W) Compact fluorescent Spiral bulb	827	60 lm/W	1,200 lm

## Operating and Electrical

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power Consumption
929689001201	15 W (60 W) Compact fluorescent Spiral bulb	210 mA	110-127 V	15 W
929689000801	8 W (30 W) E27 cap Compact fluorescent Spiral bulb	110 mA	110-127 V	8 W
929689208601	12 W (50 W) Compact fluorescent Spiral bulb	90 mA	220-240 V	12 W

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power Consumption
929689208701	12 W (50 W) Compact fluorescent Spiral bulb	90 mA	220-240 V	12 W
929689001401	20 W (80 W) Compact fluorescent Spiral bulb	270 mA	110-127 V	20 W
929689209001	20 W (90 W) Compact fluorescent Spiral bulb	150 mA	220-240 V	20 W

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929689001201	15 W (60 W) Compact fluorescent Spiral bulb	15 kWh
929689000801	8 W (30 W) E27 cap Compact fluorescent Spiral bulb	8 kWh
929689208601	12 W (50 W) Compact fluorescent Spiral bulb	12 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929689208701	12 W (50 W) Compact fluorescent Spiral bulb	12 kWh
929689001401	20 W (80 W) Compact fluorescent Spiral bulb	20 kWh
929689209001	20 W (90 W) Compact fluorescent Spiral bulb	20 kWh

