



# TORNADO

## 20 W (75 W) E27 cap Warm white Spiral energy saving bulb

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.

### 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.

### Product data

General Information		Operating and Electrical	
Cap-Base	E27	Chromaticity Coordinate Y (Nom)	420
Nominal lifetime	8,000 h	Correlated Color Temperature (Nom)	2700 K
Switching Cycle	5,000	Luminous Efficacy (rated) (Nom)	65 lm/W
Rated Lifetime (Hours)	8,000 h	Color rendering index (CRI)	82
Lighting Technology	Compact Fluorescent Integrated	LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Line Frequency	50 or 60 Hz
Color Code	827 [CCT of 2700K]	Input Frequency	50 or 60 Hz
Luminous Flux	1,250 lm	Power Consumption	20 W
Color Designation	Warm White (WW)	Lamp Current (Nom)	150 mA
Chromaticity Coordinate X (Nom)	463	Starting Time (Nom)	0.3 s

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Power Factor (Fraction)	0.6
Voltage (Nom)	220-240 V

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Shape	Spiral
Net Weight (Piece)	0.065 kg

## Approval and Application

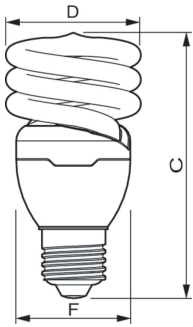
Mercury (Hg) Content (Nom)	1.5 mg
Energy Consumption kWh/1000 h	20 kWh

## Product Data

Order product name	20 W (75 W) E27 cap Warm white Spiral energy saving bulb
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Full product name	20 W (75 W) E27 cap Warm white Spiral energy saving bulb
Full product code	871829113811200
Local code description	TND20WWWES
Order code	929689848306
Material Nr. (12NC)	929689848306
Local order code	TND20WWWES
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291138112
Numerator - Packs per outer box	6
EAN/UPC - Case	8718291138129

## Dimensional drawing



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

