



Philips Tornado  
Spiral energy saving bulb

**23 W (103 W)**

Normal cap Warm white

**871016321195410**



## Powerful

High performance and small in size

The Tornado is Philips' latest and most powerful energy saver. This brilliant little energy saver is super compact, has more light and saves up to 85% energy. And the beauty is, it will fit almost any luminair in your home!

**Better focus during your activities**

- Very high light output

**Long-lasting**

- Up to 12 years lifetime

**PHILIPS**  
sense and simplicity

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# Specifications

## Technical specifications

- Starting time: 0,2 s
- Power factor: 0,6
- Mercury content: 1,5 mg
- Lifetime of lamp: 8 year(s)
- Rated lifetime: 8 year(s)
- Rated power: 23 W
- Wattage: 23 W
- Lamp dimension (width): 62 mm
- Color rendering index (CRI): 80
- Wattage equivalent: 103 W
- Lamp dimension (height): 126 mm
- Lamp current: 170 mA
- Lumen: 1450
- Rated luminous flux: 1450 lm
- Number of switch cycles: 5000
- Color temperature: 6500 K
- Lifetime of lamp: 8000 hour(s)

- Rated lifetime: 8000 hour(s)
- Lumen maintenance factor: 0.7 (at the end of the nominal lifetime) %
- Voltage: 220-240 V
- Warm up time 60% light output: 5 - 30 s
- Energy efficiency label: A
- Color: Cool Daylight
- Fitting/Cap: E27
- Dimmable: No
- Shape: Spiral
- Light effect / finish: White
- Wattage standard bulb: 103 W

## Cleaning by breakage/disposal

- Cleaning: Follow the advice for proper clean up\*
- Disposal: Follow the instruction for disposal as special waste\*\*

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# Highlights

## Very high light output

The light output of these lamps is higher than of most standard energy saving lamp. It gives you a high amount of light you want for activities, such as reading your favourite book or helping your kids with their homework.

## Up to 12 years lifetime

Modern technologies have a longer lifetime than standard bulbs. With 12 years lifetime, one lamp replaces 12 standard bulbs. So they save money and last longer, year after year. The lifetime is based on the average usage of 2,7 hrs per day or 1.000 hrs a year. This average is influenced by the usage during different seasons (dark winter vs light summer), the weather conditions (sunny vs rainy dark day) and on the room where the lamp is used (short usage in bathroom vs long usage in living room).



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\* 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 offer it to the local waste facilities for recycling. Do not use a vacuum cleaner.

\*\* Compact fluorescent lamps have to be treated as special waste, they must be offered to the local waste facilities for recycling. The European Lighting Industry has set up an infrastructure, capable of recycling mercury, other metals, glass, etc.