



Spreadhead spiral shape energy saving products, preferred by over 90% of consumers

Tornado T2

Tornado has outstanding brightness which makes your colours appear more vivid. It fits everywhere due to its compact design. With comprehensive product range, it allows easy replacement of incandescent lamps all the way.

Benefits

- High performance in small size
- Saves up to 85% energy and saves money
- Lasts for a very long time

Features

- Very long lifetime

Application

- Replacement of incandescent lamps in both professional and home applications (hotels, restaurants, shops)
- Decorative look; lamps can be used in places where they are directly visible, adding a decorative effect

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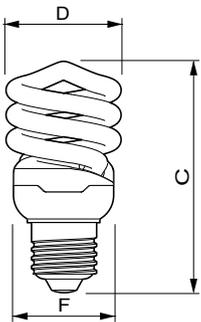
Warnings and Safety

- 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.

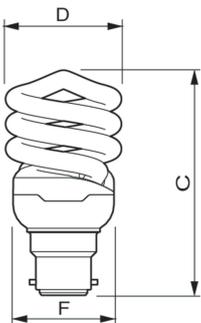
Versions



Dimensional drawing



Product	D (max)	C (max)	F (max)
TORNADO 12W CDL E27 220-240V 1PF/6	47.5 mm	94.0 mm	40.5 mm
TORNADO 12W WW E27 220-240V 1PF/6	47.5 mm	94.0 mm	40.5 mm



Product	D (max)	C (max)	F (max)
TORNADO 12W CDL B22 220-240V 1PF/6	47.5 mm	92.5 mm	40.5 mm
TORNADO 12W WW B22 220-240V 1PF/6	47.5 mm	92.5 mm	40.5 mm

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General Information	
Rated Lifetime (Hours)	8,000 h
Switching Cycle	5,000
Nominal lifetime	8,000 h
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Lamp Current (Nom)	90 mA
Input Frequency	50 or 60 Hz
Line Frequency	50 or 60 Hz
Voltage (Nom)	220-240 V
Power Consumption	12 W
Starting Time (Nom)	0.3 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	Spiral
Approval and Application	
Energy Consumption kWh/1000 h	12 kWh
Mercury (Hg) Content (Nom)	1.5 mg

General Information

Order Code	Full Product Name	Cap-Base
929689868501	TORNADO 12W WW E27 220-240V 1PF/6	E27
929689868601	TORNADO 12W CDL E27 220-240V 1PF/6	E27
929689888501	TORNADO 12W WW B22 220-240V 1PF/6	B22
929689888601	TORNADO 12W CDL B22 220-240V 1PF/6	B22

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color
					Temperature (Nom)
929689868501	TORNADO 12W WW E27 220-240V 1PF/6	463	420	Warm White (WW)	2700 K
929689868601	TORNADO 12W CDL E27 220-240V 1PF/6	313	337	Cool Daylight	6500 K

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color
					Temperature (Nom)
929689888501	TORNADO 12W WW B22 220-240V 1PF/6	463	420	Warm White (WW)	2700 K
929689888601	TORNADO 12W CDL B22 220-240V 1PF/6	313	337	Cool Daylight	6500 K

Light Technical (2/2)

Order Code	Full Product Name	Color rendering		Luminous	
		index (CRI)	Code	Efficacy (rated) (Nom)	Luminous Flux
929689868501	TORNADO 12W WW E27 220-240V 1PF/6	82	827	61 lm/W	741 lm

Order Code	Full Product Name	Color rendering		Luminous	
		index (CRI)	Code	Efficacy (rated) (Nom)	Luminous Flux
929689868601	TORNADO 12W CDL E27 220-240V 1PF/6	80	865	58 lm/W	700 lm

Tornado T2

Order Code	Full Product Name	Color		Luminous	
		rendering index (CRI)	Color Code	Efficacy (rated) (Nom)	Luminous Flux
929689888501	TORNADO 12W WW B22 220-240V 1PF/6	82	827	61 lm/W	741 lm

Order Code	Full Product Name	Color		Luminous	
		rendering index (CRI)	Color Code	Efficacy (rated) (Nom)	Luminous Flux
929689888601	TORNADO 12W CDL B22 220-240V 1PF/6	80	865	58 lm/W	700 lm

