



# 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

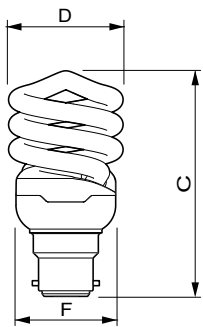
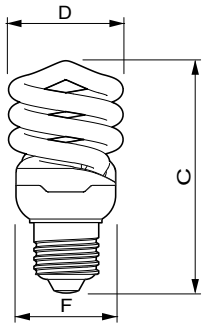
- Replacement of incandescent lamps in both professional and home applications (hotels, restaurants, shops)
- Decorative look; lamps can be used in places where they are directly visible, adding a decorative effect

# Tornado T2

## Versions



## Dimensional drawing



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

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

# Tornado T2

## Approval and Application

Energy Consumption kWh/1000 h	12 kWh
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	1.5 mg

## Controls and Dimming

Dimmable	no
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## Operating and Electrical

Lamp Current (Nom)	90 mA
Input Frequency	50 or 60 Hz
Voltage (Nom)	220-240 V
Wattage Equivalent	60 W
Power (Rated) (Nom)	12 W
Starting Time (Nom)	0.3 s
Warm Up Time To 60% Light (Max)	60 s
Warm Up Time To 60% Light (Min)	5 s

## General Information

Nominal Lifetime (Nom)	8000 h
Rated Lifetime (Hours)	8000 h
Switching Cycle	5000X

## Light Technical

Llmf At End Of Nominal Lifetime (Nom)	70 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Nom)	75 %

## Mechanical and Housing

Bulb Shape	Spiral
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## 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		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
929689868501	TORNADO 12W WW E27 220-240V 1PF/6	463	420	827	Warm white (WW)
929689868601	TORNADO 12W CDL E27 220-240V 1PF/6	313	337	865	Cool Daylight

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
929689888501	TORNADO 12W WW B22 220-240V 1PF/6	463	420	827	Warm white (WW)
929689888601	TORNADO 12W CDL B22 220-240V 1PF/6	313	337	865	Cool Daylight

## Light Technical (2/2)

## Tornado T2

Order Code	Full Product Name	Correlated Colour	Colour Rendering Index	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
		Temperature (Nom)	(Nom)	(Nom)	(Nom)	(Nom)
929689868501	TORNADO 12W WW E27 220-240V 1PF/6	2700 K	82	61 lm/W	741 lm	741 lm
929689868601	TORNADO 12W CDL E27 220-240V 1PF/6	6500 K	80	58 lm/W	700 lm	700 lm
929689888501	TORNADO 12W WW	2700 K	82	61 lm/W	741 lm	741 lm

Order Code	Full Product Name	Correlated Colour	Colour Rendering Index	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
		Temperature (Nom)	(Nom)	(Nom)	(Nom)	(Nom)
	B22 220-240V 1PF/6					
929689888601	TORNADO 12W CDL B22 220-240V 1PF/6	6500 K	80	58 lm/W	700 lm	700 lm

