



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

## Tornado T2

Tornado has outstanding brightness which makes your colors 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

- Outstanding brightness & Vivid Colors
- Flicker-Free start & Fast run up
- Save your money with long life-time and high energy efficiency compare to incandescent lamp

### Features

- Long-Life and Energy saving alternative to Incandescent lamps
- Fast Run-up
- Recommended ambient temperature range to ensure almost constant light output (>90%): 0 and + 50°C

# Tornado T2

## Application

- Replacement of incandescent lamps both in professional and home applications (hotels, restaurants, shops) where the lamp is not directly visible; especially suitable for use in indoor functional areas
- Enclosed fixtures required for outdoor applications
- Not suitable for use with dimmers or electronic gear

## 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



LPPR QSPIR-F 0003



8718291218302 - RFT

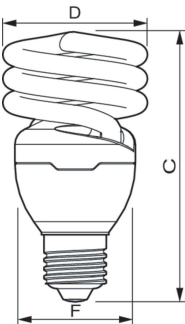


12W (40W) B22 Cool daylight  
Spiral - RFT



8718291218340 - RFT

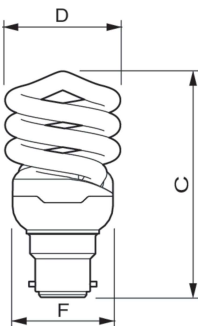
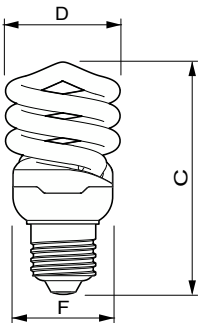
## Dimensional drawing



Product	D (max)	C (max)	F (max)
TornadoT2 8y 23W CDL E27 220-240V 1CT/12	61.5 mm	118.5 mm	50.5 mm

# Tornado T2

## Dimensional drawing



Product	D (max)	C (max)	F (max)
12 W (40 W) E27 cap Cool daylight Spiral energy saving bulb	47.5 mm	94.0 mm	40.5 mm
12 W (40 W) E27 cap Warm white Spiral energy saving bulb	47.5 mm	94.0 mm	40.5 mm

Product	D (max)	C (max)	F (max)
12 W (40 W) B22 cap Warm white Spiral energy saving bulb	47.5 mm	92.5 mm	40.5 mm
12W (40W) B22 Cool daylight Spiral	47.5 mm	92.5 mm	40.5 mm

General Information	
Rated Lifetime (Hours)	8,000 hour(s)
Switching Cycle	5,000
Nominal lifetime	8,000 hour(s)
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 or 60 Hz
Line Frequency	50 or 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.3 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	Spiral

## General Information

Order Code	Full Product Name	Cap-Base
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	E27
929689888501	12 W (40 W) B22 cap Warm white Spiral energy saving bulb	B22
929689888601	12W (40W) B22 Cool daylight Spiral	B22
929689868501	12 W (40 W) E27 cap Warm white Spiral energy saving bulb	E27
929689868601	12 W (40 W) E27 cap Cool daylight Spiral energy saving bulb	E27

## Light Technical (1/2)

Tornado T2

Order Code	Full Product Name	Chromaticity		Color Designation	Correlated Color Temperature (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)		
929689848610	TornadoT2	313	337	Cool	6500 K
	8y 23W CDL			Daylight	
	E27				
	220-240V				
	1CT/12				
929689888501	12 W (40 W)	463	420	Warm White (WW)	2700 K
	B22 cap				
	Warm white				
	Spiral				
	energy saving bulb				
929689888601	12W (40W)	313	337	Cool	6500 K
	B22 Cool			Daylight	

Order Code	Full Product Name	Chromaticity		Color Designation	Correlated Color Temperature (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)		
	daylight				
	Spiral				
929689868501	12 W (40 W)	463	420	Warm White (WW)	2700 K
	E27 cap				
	Warm white				
	Spiral energy saving bulb				
929689868601	12 W (40 W)	313	337	Cool	6500 K
	E27 cap			Daylight	
	Cool				
	daylight				
	Spiral energy saving bulb				

Light Technical (2/2)

Order Code	Full Product Name	Color		Luminous Efficacy (rated) (Nom)	Luminous Flux
		rendering index (CRI)	Color Code		
929689848610	TornadoT2 8y 23W	80	865	63 lm/W	1,450 lm
	CDL E27 220-240V				
929689888501	12 W (40 W)	82	827	61 lm/W	741 lm
	B22 cap				
	Warm white				
	Spiral energy saving bulb				
929689888601	12W (40W)	80	865	58 lm/W	700 lm
	B22 Cool				
	daylight Spiral				

Order Code	Full Product Name	Color		Luminous Efficacy (rated) (Nom)	Luminous Flux
		rendering index (CRI)	Color Code		
929689868501	12 W (40 W) E27 cap	82	827	61 lm/W	741 lm
	Warm white				
	Spiral energy saving bulb				
929689868601	12 W (40 W) E27 cap	80	865	58 lm/W	700 lm
	Cool				
	daylight Spiral energy saving bulb				

Operating and Electrical

Order Code	Full Product Name	Lamp	
		Current (Nom)	Power Consumption
929689848610	TornadoT2 8y 23W CDL E27	170 mA	23 W
	220-240V 1CT/12		
929689888501	12 W (40 W) B22 cap Warm white	90 mA	12 W
	Spiral energy saving bulb		
929689888601	12W (40W) B22 Cool daylight Spiral	90 mA	12 W

Order Code	Full Product Name	Lamp	
		Current (Nom)	Power Consumption
929689868501	12 W (40 W) E27 cap Warm white	90 mA	12 W
	Spiral energy saving bulb		
929689868601	12 W (40 W) E27 cap Cool daylight	90 mA	12 W
	Spiral energy saving bulb		

Approval and Application

Tornado T2

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	23 kWh	2 mg
929689888501	12 W (40 W) B22 cap Warm white Spiral energy saving bulb	12 kWh	1.5 mg
929689888601	12W (40W) B22 Cool daylight Spiral	12 kWh	1.5 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
929689868501	12 W (40 W) E27 cap Warm white Spiral energy saving bulb	12 kWh	1.5 mg
929689868601	12 W (40 W) E27 cap Cool daylight Spiral energy saving bulb	12 kWh	1.5 mg

