



# 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

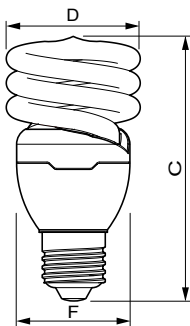
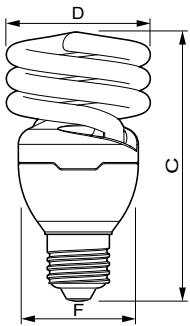
## Application

- 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

## Versions



## Dimensional drawing

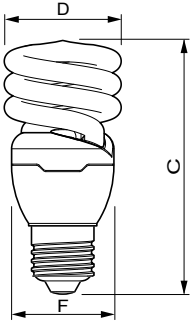


Product	D (max)	C (max)	F (max)
TornadoT2 8y 23W CDL E27 220-240V 1CT/12	61.5 mm	118.5 mm	50.5 mm
Tornado T2 8y 23W WW E27 220-240V 1CT/12	61.5 mm	118.5 mm	50.5 mm

Product	D (max)	C (max)	F (max)
TornadoT2 8y 20W CDL E27 220-240V 1CT/12	56.5 mm	111.5 mm	47 mm
Tornado T2 8y 20W WW E27 220-240V 1CT/12	56.5 mm	111.5 mm	47 mm

# Tornado T2

## Dimensional drawing



Product	D (max)	C (max)	F (max)
TornadoT2 8y 15W CDL E27 220-240V 1CT/12	51.5 mm	107.5 mm	42.5 mm
Tornado T2 8y 15W WW E27 220-240V 1CT/12	51.5 mm	107.5 mm	42.5 mm

### Approval and Application

Energy Efficiency Label (EEL) A

### Controls and Dimming

Dimmable No

### Operating and Electrical

Input Frequency 50 or 60 Hz

Voltage (Nom) 220-240 V

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

Cap-Base E27

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

### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/	
		1000 h	Mercury (Hg) Content (Nom)
66292100	Tornado T2 8y 15W WW E27 220-240V 1CT/12	15 kWh	-
66290700	TornadoT2 8y 15W CDL E27 220-240V 1CT/12	15 kWh	-
66296900	Tornado T2 8y 20W WW E27 220-240V 1CT/12	20 kWh	1.5 mg
66294500	TornadoT2 8y 20W CDL E27 220-240V 1CT/12	20 kWh	1.5 mg
66300300	Tornado T2 8y 23W WW E27 220-240V 1CT/12	23 kWh	2 mg
66298300	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	23 kWh	2 mg

## Operating and Electrical

Order Code	Full Product Name	Lamp		
		Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
66292100	Tornado T2 8y 15W WW E27 220-240V 1CT/12	110 mA	75 W	15 W
66290700	TornadoT2 8y 15W CDL E27 220-240V 1CT/12	110 mA	70 W	15 W
66296900	Tornado T2 8y 20W WW E27 220-240V 1CT/12	150 mA	91 W	20 W

Order Code	Full Product Name	Lamp		
		Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
66294500	TornadoT2 8y 20W CDL E27 220-240V 1CT/12	150 mA	88 W	20 W
66300300	Tornado T2 8y 23W WW E27 220-240V 1CT/12	170 mA	110 W	23 W

## Tornado T2

Order Code	Full Product Name	Lamp	Power
		Current (Nom)	Wattage Equivalent (Rated)
66298300	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	170 mA	103 W 23 W

### Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
66292100	Tornado T2 8y 15W WW E27 220-240V 1CT/12	463	420	827	Warm White (WW)
66290700	TornadoT2 8y 15W CDL E27 220-240V 1CT/12	313	337	865	Cool Daylight
66296900	Tornado T2 8y 20W WW E27 220-240V 1CT/12	463	420	827	Warm White (WW)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
66294500	TornadoT2 8y 20W CDL E27 220-240V 1CT/12	313	337	865	Cool Daylight
66300300	Tornado T2 8y 23W WW E27 220-240V 1CT/12	463	420	827	Warm White (WW)
66298300	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	313	337	865	Cool Daylight

### Light Technical (2/2)

Order Code	Full Product Name	Correlated Colour	Colour	Luminous	Luminous	Luminous
		Temperature (Nom)	Rendering Index (Nom)	Efficacy (rated) (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
66292100	Tornado T2 8y 15W WW E27 220-240V 1CT/12	2700 K	82	65 lm/W	950 lm	970 lm
66290700	TornadoT2 8y 15W CDL E27 220-240V 1CT/12	6500 K	80	61 lm/W	900 lm	900 lm
66296900	Tornado T2 8y 20W WW E27 220-240V 1CT/12	2700 K	82	65 lm/W	1250 lm	1250 lm
66294500	TornadoT2 8y 20W CDL	6500 K	80	61 lm/W	1200 lm	1200 lm

Order Code	Full Product Name	Correlated Colour	Colour	Luminous	Luminous	Luminous
		Temperature (Nom)	Rendering Index (Nom)	Efficacy (rated) (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
	E27 220-240V 1CT/12					
66300300	Tornado T2 8y 23W WW E27 220-240V 1CT/12	2700 K	82	67 lm/W	1550 lm	1570 lm
66298300	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	6500 K	80	63 lm/W	1450 lm	1450 lm

## Tornado T2

