



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

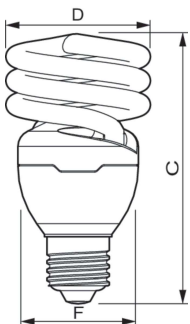


12W (40W) B22 Cool daylight
Spiral - RFT



8718291218340 - RFT

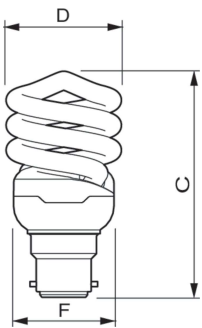
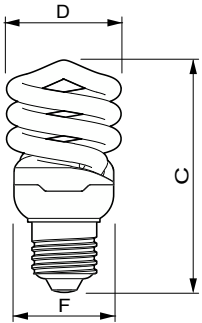
Dimensional drawing



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

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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)
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 %
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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
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Mechanical and Housing

Bulb Shape	Spiral
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General Information

Order Code	Full Product Name	Cap-Base
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	E27
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
		Coordinate X (Nom)	Coordinate Y (Nom)		Color Temperature (Nom)
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	313	337	Cool Daylight	6500 K
929689888601	12W (40W) B22 Cool daylight Spiral	313	337	Cool Daylight	6500 K
929689868501	12 W (40 W) E27 cap	463	420	Warm White (WW)	2700 K

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

Light Technical (2/2)

Order Code	Full Product Name	Color rendering		Luminous Efficacy (rated) (Nom)	Luminous Flux
		index (CRI)	Color Code		
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	80	865	63 lm/W	1,450 lm
929689888601	12W (40W) B22 Cool daylight Spiral	80	865	58 lm/W	700 lm
929689868501	12 W (40 W) E27 cap Warm white Spiral energy saving bulb	82	827	61 lm/W	741 lm

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

Operating and Electrical

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

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

Approval and Application

Order Code	Full Product Name	Energy	Mercury (Hg)
		Consumption kWh/1000 h	Content (Nom)
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	23 kWh	2 mg
929689888601	12W (40W) B22 Cool daylight Spiral	12 kWh	1.5 mg
929689868501	12 W (40 W) E27 cap Warm white Spiral energy saving bulb	12 kWh	1.5 mg

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

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