PHILIPS

Tornado T2

CTORPERF



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

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

Applications

- 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

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
- 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

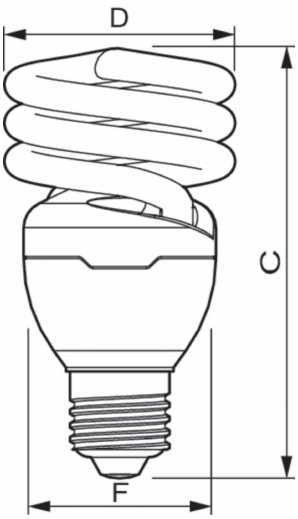


8718291218340 - RFT

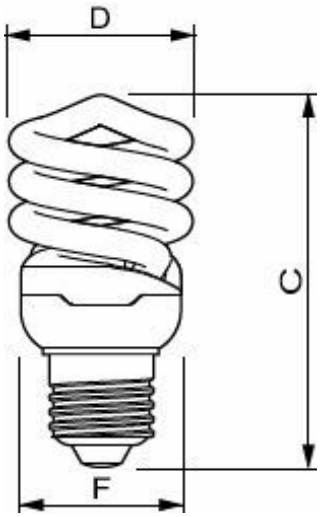


12W (40W) B22 Cool daylight Spiral - RFT

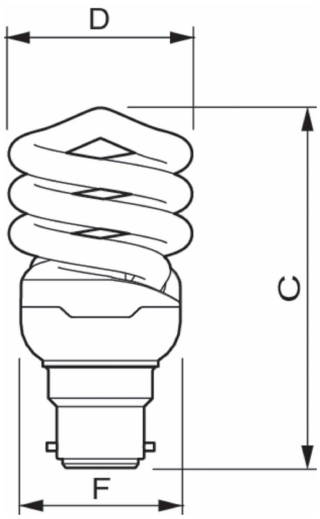
Dimensional drawing



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



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

Nominal lifetime	8,000 hour(s)
Switching Cycle	5,000
Rated Lifetime (Hours)	8,000 hour(s)

Light Technical

LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Starting Time (Nom)	0.3 s
Voltage (Nom)	220-240 V

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
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

Order Code	Full Product Name	Color Code	Luminous Flux	Color Designation	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	865	1,450 lm	Cool Daylight	313	337	6500 K	63 lm/W	80
929689888601	12W (40W) B22 Cool daylight Spiral	865	700 lm	Cool Daylight	313	337	6500 K	58 lm/W	80
929689868501	12 W (40 W) E27 cap Warm white Spiral energy saving bulb	827	741 lm	Warm White (WW)	463	420	2700 K	61 lm/W	82
929689868601	12 W (40 W) E27 cap Cool daylight Spiral energy saving bulb	865	700 lm	Cool Daylight	313	337	6500 K	58 lm/W	80

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Lamp Current (Nom)
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	23 W	170 mA
929689888601	12W (40W) B22 Cool daylight Spiral	12 W	90 mA
929689868501	12 W (40 W) E27 cap Warm white Spiral energy saving bulb	12 W	90 mA
929689868601	12 W (40 W) E27 cap Cool daylight Spiral energy saving bulb	12 W	90 mA

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)	Energy Consumption kWh/1000 h
929689848610	TornadoT2 8y 23W CDL E27 220-240V 1CT/12	2 mg	23 kWh
929689888601	12W (40W) B22 Cool daylight Spiral	1.5 mg	12 kWh
929689868501	12 W (40 W) E27 cap Warm white Spiral energy saving bulb	1.5 mg	12 kWh
929689868601	12 W (40 W) E27 cap Cool daylight Spiral energy saving bulb	1.5 mg	12 kWh

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