



Best in Class dimmable spiral-shaped energy saving lamp

Tornado Dimmable

Tornado T3 Dimmable lamps is our Champion of lighting dimmer, which is ideal to change the light depending on your needs and moods. Tornado has high performance bright light. It is small in design so fits in nearly all luminaires. Spiral shape makes this lamp highly decorative and attractive, especially for modern interiors.

Benefits

- Best in class dimming lamp, superior dimmability and reliable performance throughout the life
- Save your money with long life-time and high energy efficiency compare to incandescent lamp
- More switching cycles than standard energy-saving lamps

Features

- Long-Life and Energy saving alternative to Incandescent lamps
- Dimmable down of nominal light output

Application

- Designed to replace incandescent lamps with dimming applications, preferably indoor areas
- Suitable to be used with dimmers (only compatible dimmers)

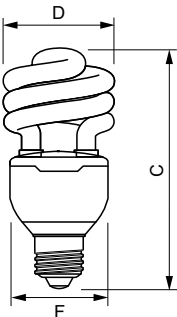
Tornado Dimmable

Versions



20W, E26/E27, Dimmable

Dimensional drawing



Product	D (max)	C (max)	F (max)
Tornado Dimmable 20W WW E27 220-240V 1PF/6	61.0 mm	127.0 mm	52.4 mm
Twister Dimmable 20W WW E27 HV 1CT/6	61.0 mm	127.0 mm	52.4 mm
Twister Dimmable 20W WW E27 LV 1CT/6	61.0 mm	127.0 mm	52.4 mm

Approval and Application	
Energy Consumption kWh/1000 h	20 kWh
Operating and Electrical	
Input Frequency	50 or 60 Hz
General Information	
Cap-Base	E27
Nominal Lifetime (Nom)	10000 h
Rated Lifetime (Hours)	10000 h
Light Technical	
Color Code	827
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Mechanical and Housing	
Bulb Shape	Spiral

Approval and Application

Order Code	Full Product Name	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
929689678301	Tornado Dimmable 20W WW E27 220-240V 1PF/6	A	2.0 mg	1.5 mg
929689678310	Twister Dimmable 20W WW E27 HV 1CT/6	A	2.0 mg	1.5 mg
929689738301	Twister Dimmable 20W WW E27 LV 1CT/6	-	2 mg	-

Operating and Electrical (1/2)

Tornado Dimmable

Order Code	Full Product Name	Lamp	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
		Current (Nom)			
929689678301	Tornado Dimmable 20W WW E27 220-240V 1PF/6	120 mA	220-240 V	90 W	20.0 W
929689678310	Twister Dimmable 20W WW E27 HV 1CT/6	120 mA	220-240 V	90 W	20.0 W

Order Code	Full Product Name	Lamp	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
		Current (Nom)			
929689738301	Twister Dimmable 20W WW E27 LV 1CT/6	260 mA	110-127 V	-	20 W

Operating and Electrical (2/2)

Order Code	Full Product Name	Starting Time (Nom)	Warm Up	Warm Up
			Time To 60% Light (Max)	Time To 60% Light (Min)
929689678301	Tornado Dimmable 20W WW E27 220-240V 1PF/6	1.0 s	40 s	5 s
929689678310	Twister Dimmable 20W WW E27 HV 1CT/6	1.0 s	40 s	5 s

Order Code	Full Product Name	Starting Time (Nom)	Warm Up	Warm Up
			Time To 60% Light (Max)	Time To 60% Light (Min)
929689738301	Twister Dimmable 20W WW E27 LV 1CT/6	1 s	-	-

General Information

Order Code	Full Product Name	Switching Cycle
929689678301	Tornado Dimmable 20W WW E27 220-240V 1PF/6	30000X
929689678310	Twister Dimmable 20W WW E27 HV 1CT/6	30000X

Order Code	Full Product Name	Switching Cycle
929689738301	Twister Dimmable 20W WW E27 LV 1CT/6	-

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Rendering Index (Nom)	Limf At End Of Nominal Lifetime (Nom)
929689678301	Tornado Dimmable 20W WW E27 220-240V 1PF/6	463	420	82	65 %
929689678310	Twister Dimmable 20W WW E27 HV 1CT/6	463	420	82	65 %

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Rendering Index (Nom)	Limf At End Of Nominal Lifetime (Nom)
929689738301	Twister Dimmable 20W WW E27 LV 1CT/6	459	412	80	-

Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929689678301	Tornado Dimmable 20W WW E27 220-240V 1PF/6	85 %	75 %	60 lm/W	1220 lm	1220 lm

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929689678310	Twister Dimmable 20W WW E27 HV 1CT/6	85 %	75 %	60 lm/W	1220 lm	1220 lm

Tornado Dimmable

		Lumen Maintenance	Lumen Maintenance	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
Order Code	Full Product Name	2000 h (Nom)	5000 h (Nom)	(Nom)	(Nom)	(Nom)
929689738301	Twister Dimmable 20W WW	-	-	65 lm/W	1300 lm	1300 lm

		Lumen Maintenance	Lumen Maintenance	Luminous Efficacy (rated)	Luminous Flux (Nom)	Luminous Flux (Rated)
Order Code	Full Product Name	2000 h (Nom)	5000 h (Nom)	(Nom)	(Nom)	(Nom)
	E27 LV 1CT/6					

Controls and Dimming

Order Code	Full Product Name	Dimmable
929689678301	Tornado Dimmable 20W WW E27 220-240V 1PF/6	-
929689678310	Twister Dimmable 20W WW E27 HV 1CT/6	-

Order Code	Full Product Name	Dimmable
929689738301	Twister Dimmable 20W WW E27 LV 1CT/6	Yes

