



A compact Energy Saving Twister Lamp

TORNADO ESaver

Energy-saving lamp in famous twister shape. Spiral shape makes this lamp very decorative and attractive especially for modern interiors.

Benefits

- High energy efficiency
- Very compact size
- Wide range allowing easy replacement of most GLS lamps

Features

- Long lifetime
- Rapid start
- Low mercury content

Application

- Decorative look. Lamps can be used in places where they are directly visible, adding some decorative effect.

Related products



12W, E26/E27, T2



23W, E26/E27, T3



20W, E26/E27, T3



8W, E26/E27, T2



5W, E14, T2



15W, E26/E27, T3



8W, E14, T2

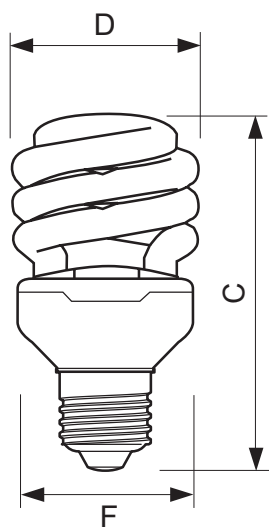


12W, E14, T2



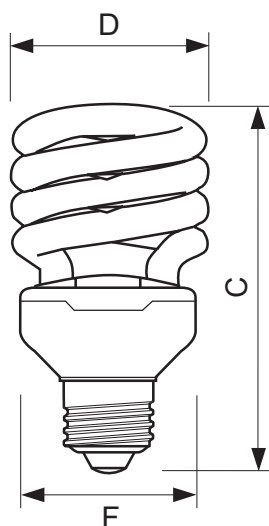
5W, E26/E27, T2

Dimensional drawing



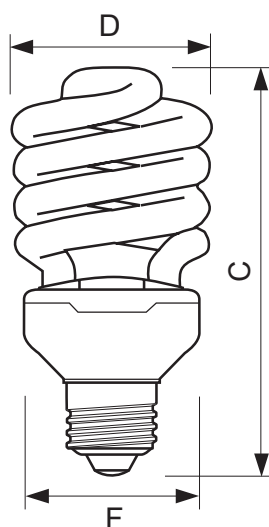
15W, E26/E27, T3

Product	C (Max)	D (Max)	F (Max)
TORNADO T3 15W/827 E27 220-240V 50/60Hz	109.0	58.0	52.4



20W, E26/E27, T3

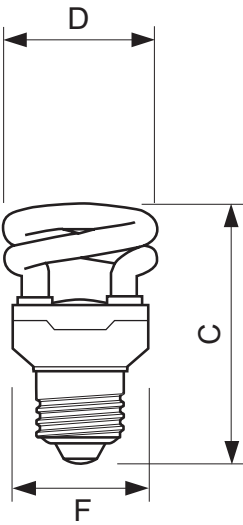
Product	C (Max)	D (Max)	F (Max)
TORNADO T3 20W/827 E27 220-240V 50/60Hz	114.0	62.0	52.4



23W, E26/E27, T3

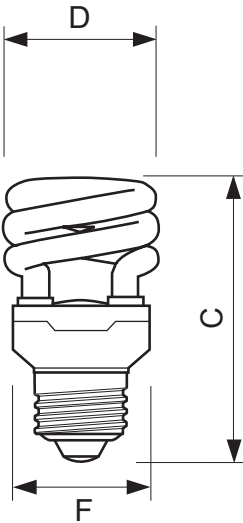
Product	C (Max)	D (Max)	F (Max)
TORNADO T3 23W/827 E27 220-240V 50/60Hz	126.0	62.0	52.4

Dimensional drawing



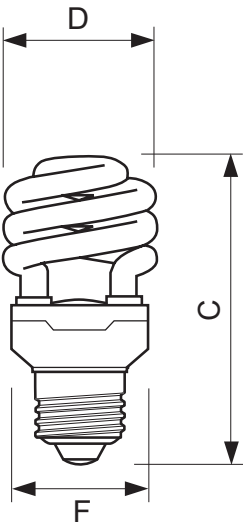
5W, E26/E27, T2

Product	C (Max)	D (Max)	F (Max)
TORNADO T2 5W/827 E27 220-240V 50/60Hz	80.0	47.0	40.5



8W, E26/E27, T2

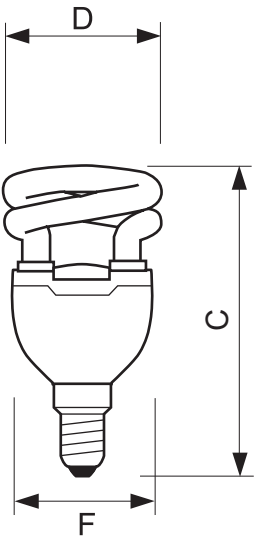
Product	C (Max)	D (Max)	F (Max)
TORNADO T2 8W/827 E27 220-240V 50/60Hz	87.0	47.0	40.5



12W, E26/E27, T2

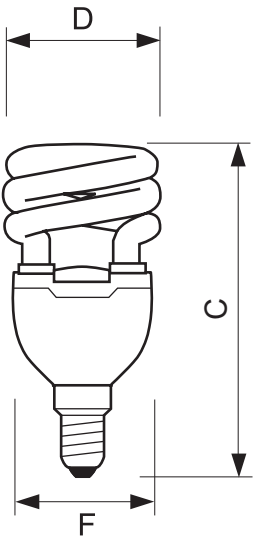
Product	C (Max)	D (Max)	F (Max)
TORNADO T2 12W/827 E27 220-240V 50/60Hz	94.0	47.0	40.5

Dimensional drawing



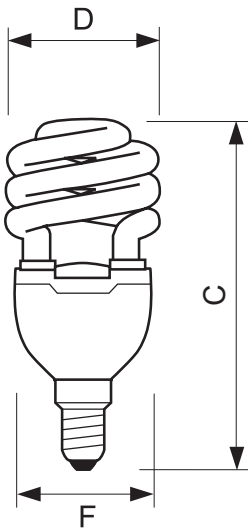
5W, E14, T2

Product	C (Max)	D (Max)	F (Max)
TORNADO T2 5W/827 E14 220-240V 50/60Hz	92.0	47.0	40.5



8W, E14, T2

Product	C (Max)	D (Max)	F (Max)
TORNADO T2 8W/827 E14 220-240V 50/60Hz	99.0	47.0	40.5



12W, E14, T2

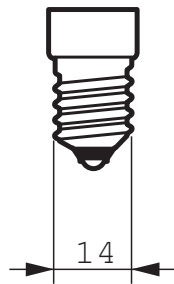
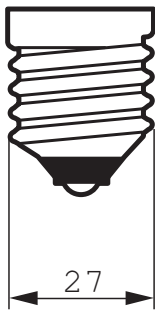
Product	C (Max)	D (Max)	F (Max)
TORNADO T2 12W/827 E14 220-240V 50/60Hz	106.0	47.0	40.5

General Characteristics

Order code	Full product name	Cap-Base	Rated Life-time (hours)
211558 10	TORNADO ESaver 12W/827 E27 220-240V 1PH	ES	8000
211930 10	TORNADO ESaver T3 23W WW E27 220-240V 1PF	ES	8000
211893 10	TORNADO ESaver T3 20W WW E27 220-240V 1PF	ES	8000
211527 10	TORNADO ESaver 8W/827 E27 220-240V 1PH	ES	8000
214276 10	TORNADO ESaver T2 5W WW E14 220-240V 1PF	SES	8000

Order code	Full product name	Cap-Base	Rated Life-time (hours)
211855 10	TORNADO ESaver T3 15W WW E27 220-240V 1PF	ES	8000
214283 10	TORNADO ESaver T2 8W WW E14 220-240V 1PH	SES	8000
214306 10	TORNADO ESaver T2 12W WW E14 220-240V 1PH	SES	8000
211510 10	TORNADO ESaver T2 5W WW E27 220-240V 1PF	ES	8000

Installation diagrams



Light Technical Characteristics (1/2)

Order code	Full product name	Colour Code	Colour Designation	Chromaticity Coordinate X	Chromaticity Coordinate Y	Colour Rendering Index	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lamp Luminous Efficacy	Colour Temperature	Rated Luminous Flux
211558 10	TORNADO ESaver 12W/827 E27 220-240V 1PH	827	Warm white	463	420	81 (min)	85	75	65	2700	740
211930 10	TORNADO ESaver T3 23W WW E27 220-240V 1PF	827	Warm white	463	420	81 (min)	85	75	67	2700	1550
211893 10	TORNADO ESaver T3 20W WW E27 220-240V 1PF	827	Warm white	463	420	81 (min)	85	75	67	2700	1350
211527 10	TORNADO ESaver 8W/827 E27 220-240V 1PH	827	Warm white	463	420	81 (min)	85	75	62	2700	500
214276 10	TORNADO ESaver T2 5W WW E14 220-240V 1PF	827	Warm white	463	420	81 (min)	85	75	60	2700	300

Order code	Full product name	Colour Code	Colour Designation	Chromaticity Coordinate X	Chromaticity Coordinate Y	Colour Rendering Index	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lamp Luminous Efficacy	Colour Temperature	Rated Luminous Flux
211855 10	TORNADO ESaver T3 15W WW E27 220-240V 1PF	827	Warm white	463	420	81 (min)	85	75	63	2700	970
214283 10	TORNADO ESaver T2 8W WW E14 220-240V 1PH	827	Warm white	463	420	81 (min)	85	75	62	2700	500
214306 10	TORNADO ESaver T2 12W WW E14 220-240V 1PH	827	Warm white	463	420	81 (min)	85	75	65	2700	740
211510 10	TORNADO ESaver T2 5W WW E27 220-240V 1PF	827	Warm white	463	420	81 (min)	85	75	60	2700	300

Light Technical Characteristics (2/2)

Order code	Full product name	LLMF - end nominal lifetime
211558 10	TORNADO ESaver 12W/827 E27 220-240V 1PH	65 (min)
211930 10	TORNADO ESaver T3 23W WW E27 220-240V 1PF	65 (min)
211893 10	TORNADO ESaver T3 20W WW E27 220-240V 1PF	65 (min)
211527 10	TORNADO ESaver 8W/827 E27 220-240V 1PH	65 (min)
214276 10	TORNADO ESaver T2 5W WW E14 220-240V 1PF	65 (min)

Order code	Full product name	LLMF - end nominal lifetime
211855 10	TORNADO ESaver T3 15W WW E27 220-240V 1PF	65 (min)
214283 10	TORNADO ESaver T2 8W WW E14 220-240V 1PH	65 (min)
214306 10	TORNADO ESaver T2 12W WW E14 220-240V 1PH	65 (min)
211510 10	TORNADO ESaver T2 5W WW E27 220-240V 1PF	65 (min)

Electrical Characteristics

Order code	Full product name	Voltage	Line Frequency	Lamp Wattage	Dimmable	Wattage Equivalent	Starting Time	Warm-up Time to 60% Light Outp
211558 10	TORNADO ESaver 12W/827 E27 220-240V 1PH	220-240	50/60	12	no	59	0.3	5 (min), 30 (max)
211930 10	TORNADO ESaver T3 23W WW E27 220-240V 1PF	220-240	50/60	23	no	108	0.3	5 (min), 30 (max)
211893 10	TORNADO ESaver T3 20W WW E27 220-240V 1PF	220-240	50/60	20	no	97	0.3	5 (min), 30 (max)
211527 10	TORNADO ESaver 8W/827 E27 220-240V 1PH	220-240	50/60	8	no	44	0.3	5 (min), 30 (max)
214276 10	TORNADO ESaver T2 5W WW E14 220-240V 1PF	220-240	50/60	5	no	30	0.3	5 (min), 30 (max)
211855 10	TORNADO ESaver T3 15W WW E27 220-240V 1PF	220-240	50/60	15	no	75	0.3	5 (min), 30 (max)
214283 10	TORNADO ESaver T2 8W WW E14 220-240V 1PH	220-240	50/60	8	no	44	0.3	5 (min), 30 (max)
214306 10	TORNADO ESaver T2 12W WW E14 220-240V 1PH	220-240	50/60	12	no	59	0.3	5 (min), 30 (max)
211510 10	TORNADO ESaver T2 5W WW E27 220-240V 1PF	220-240	50/60	5	no	30	0.3	5 (min), 30 (max)

Environmental Characteristics

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content
211558 10	TORNADO ESaver 12W/827 E27 220-240V 1PH	A	1.5
211930 10	TORNADO ESaver T3 23W WW E27 220-240V 1PF	A	1.5
211893 10	TORNADO ESaver T3 20W WW E27 220-240V 1PF	A	1.5
211527 10	TORNADO ESaver 8W/827 E27 220-240V 1PH	A	1.5
214276 10	TORNADO ESaver T2 5W WW E14 220-240V 1PF	A	1.5
211855 10	TORNADO ESaver T3 15W WW E27 220-240V 1PF	A	1.5
214283 10	TORNADO ESaver T2 8W WW E14 220-240V 1PH	A	1.5
214306 10	TORNADO ESaver T2 12W WW E14 220-240V 1PH	A	1.5
211510 10	TORNADO ESaver T2 5W WW E27 220-240V 1PF	A	1.5

Measuring Conditions

Order code	Full product name	Switching cycle
211558 10	TORNADO ESaver 12W/827 E27 220-240V 1PH	5000X
211930 10	TORNADO ESaver T3 23W WW E27 220-240V 1PF	5000X
211893 10	TORNADO ESaver T3 20W WW E27 220-240V 1PF	5000X
211527 10	TORNADO ESaver 8W/827 E27 220-240V 1PH	5000X
214276 10	TORNADO ESaver T2 5W WW E14 220-240V 1PF	5000X
211855 10	TORNADO ESaver T3 15W WW E27 220-240V 1PF	5000X
214283 10	TORNADO ESaver T2 8W WW E14 220-240V 1PH	5000X
214306 10	TORNADO ESaver T2 12W WW E14 220-240V 1PH	5000X
211510 10	TORNADO ESaver T2 5W WW E27 220-240V 1PF	5000X



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data subject to change