



An energy saver combines energy saving & a compact design

Economy Twister

Compact Entry Spiral shape energy saving lamp, starts bright light rapidly and fits everywhere. It saves your money due to its low energy consumption. With a comprehensive range of wattages, it enables easy replacement of most incandescent lamp all the way

Benefits

- "Value for Money" compact design Energy Saver
- Save your money with long life-time and high energy efficiency compare to incandescent lamp
- Flicker-free start & Fast run up

Features

- Spiral Shape, Long-Life and Energy saving alternative to Incandescent lamps
- Fast Run-up
- Recommended ambient temperature range to ensure almost constant light output (>90%): between 0°C and +50°C

Application

- Designed for incandescent lamp replacement in consumer applications 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

Economy Twister

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



23 W



Twister 8W E27



Twister 12W, 15W E27



Twister 20W E27



Twister 8W E14

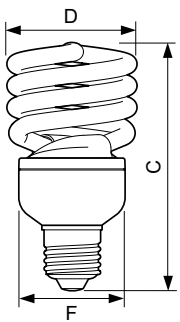


Twister 12 W E14 NG



E27 Spiral

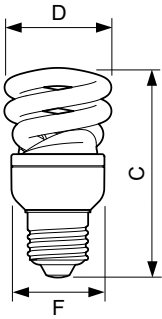
Dimensional drawing



Product			
Economy Twister 23W CDL E27 HV 1PF/12			
EconomyTwister 23W WW E27 220-240V 1PF/6	61.5 mm	118.5 mm	50.5 mm
EconomyTwister 23W CDL E27 1PF/6	61.5 mm	118.5 mm	50.5 mm

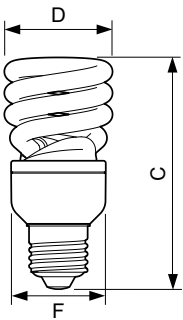
Economy Twister

Dimensional drawing

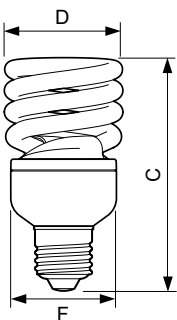


Product	D (max)	C (max)	F (max)
EconomyTwister 8W WW E27 220-240V 1PF/6	47.5 mm	86.5 mm	40.5 mm
EconomyTwister 8W CDL E27 220-240V 1PF/6	47.5 mm	86.5 mm	40.5 mm

Product	D (max)	C (max)	F (max)
EconomyTwister 12W WW E27 220-240V 1PF/6	47.5 mm	94 mm	40.5 mm
EconomyTwister 12W CDL E27 1PF/6	47.5 mm	94 mm	40.5 mm



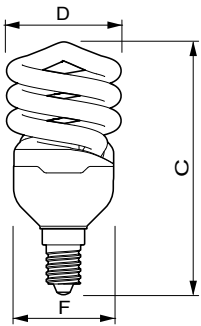
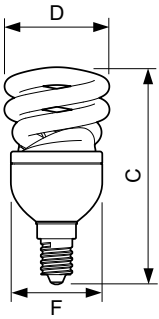
Product	D (max)	C (max)	F (max)
EconomyTwister 15W WW E27 220-240V 1PF/6	51.5 mm	107.5 mm	42.5 mm
EconomyTwister 15W CDL E27 1PF/6	51.5 mm	107.5 mm	42.5 mm



Product	D (max)	C (max)	F (max)
EconomyTwister 20W WW E27 220-240V 1PF/6	56.5 mm	111.5 mm	47 mm
EconomyTwister 20W CDL E27 1PF/6	56.5 mm	111.5 mm	47 mm

Economy Twister

Dimensional drawing



Product	D (max)	C (max)	F (max)
EconomyTwister 8W CDL E14 220-240V 1PF/6	47.5 mm	96.5 mm	40.5 mm

Product	D (max)	C (max)	F (max)
EconomyTwister 12W WW E14 220-240V 1PF/6	47.5 mm	104 mm	40.5 mm
EconomyTwister 12W CDL E14 1PF/6	47.5 mm	104 mm	40.5 mm

Product details



Twister 23 W /770 E27

Approval and Application	
Energy Efficiency Label (EEL)	A
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.3 s
Warm Up Time To 60% Light (Max)	40 s
Warm Up Time To 60% Light (Min)	5 s

Approval and Application

Economy Twister

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Saving Product	Mercury (Hg) Content (Max)
929689202403	Economy Twister 23W CDL E27 HV 1PF/12	23 kWh	Yes	5 mg
929689258101	EconomyTwister 23W WW E27 220-240V 1PF/6	23 kWh	-	2.5 mg
929689218302	EconomyTwister 8W WW E27 220-240V 1PF/6	8 kWh	-	2.0 mg
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	8 kWh	-	2.0 mg
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	12 kWh	-	2.0 mg
929689218601	EconomyTwister 12W CDL E27 1PF/6	12 kWh	-	2.0 mg
929689218701	EconomyTwister 15W WW E27 220-240V 1PF/6	15 kWh	-	2 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Saving Product	Mercury (Hg) Content (Max)
929689218801	EconomyTwister 15W CDL E27 1PF/6	15 kWh	-	2 mg
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	20 kWh	-	2 mg
929689219001	EconomyTwister 20W CDL E27 1PF/6	20 kWh	-	2 mg
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	8 kWh	-	2.0 mg
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	12 kWh	-	2.0 mg
929689238602	EconomyTwister 12W CDL E14 1PF/6	12 kWh	-	2.0 mg
929689258201	EconomyTwister 23W CDL E27 1PF/6	23 kWh	-	2.5 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Input Frequency	Power (Rated) (Nom)
929689202403	Economy Twister 23W CDL E27 HV 1PF/12	160 mA	50 Hz	23 W
929689258101	EconomyTwister 23W WW E27 220-240V 1PF/6	170 mA	50 or 60 Hz	23.0 W
929689218302	EconomyTwister 8W WW E27 220-240V 1PF/6	60 mA	50 or 60 Hz	8 W
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	60 mA	50 or 60 Hz	8.0 W
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	90 mA	50 or 60 Hz	12.0 W
929689218601	EconomyTwister 12W CDL E27 1PF/6	90 mA	50 or 60 Hz	12.0 W
929689218701	EconomyTwister 15W WW E27 220-240V 1PF/6	110 mA	50 or 60 Hz	15.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Input Frequency	Power (Rated) (Nom)
929689218801	EconomyTwister 15W CDL E27 1PF/6	110 mA	50 or 60 Hz	15.0 W
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	150 mA	50 or 60 Hz	20.0 W
929689219001	EconomyTwister 20W CDL E27 1PF/6	150 mA	50 or 60 Hz	20.0 W
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	60 mA	50 or 60 Hz	8.0 W
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	90 mA	50 or 60 Hz	12.0 W
929689238602	EconomyTwister 12W CDL E14 1PF/6	90 mA	50 or 60 Hz	12.0 W
929689258201	EconomyTwister 23W CDL E27 1PF/6	170 mA	50 or 60 Hz	23.0 W

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929689202403	Economy Twister 23W CDL E27 HV 1PF/12	E27	3500 h	3500 h	4000X
929689258101	EconomyTwister 23W WW E27 220-240V 1PF/6	E27	6000 h	6000 h	6000X
929689218302	EconomyTwister 8W WW E27 220-240V 1PF/6	E27	6000 h	6000 h	6000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	E27	6000 h	6000 h	6000X
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	E27	6000 h	6000 h	6000X
929689218601	EconomyTwister 12W CDL E27 1PF/6	E27	6000 h	6000 h	6000X

Economy Twister

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929689218701	EconomyTwister 15W WW E27 220-240V 1PF/6	E27	6000 h	6000 h	6000X
929689218801	EconomyTwister 15W CDL E27 1PF/6	E27	6000 h	6000 h	6000X
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	E27	6000 h	6000 h	6000X
929689219001	EconomyTwister 20W CDL E27 1PF/6	E27	6000 h	6000 h	6000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	E14	6000 h	6000 h	6000X
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	E14	6000 h	6000 h	6000X
929689238602	EconomyTwister 12W CDL E14 1PF/6	E14	6000 h	6000 h	6000X
929689258201	EconomyTwister 23W CDL E27 1PF/6	E27	6000 h	6000 h	6000X

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Llmf At End Of Nominal Lifetime (Nom)
929689202403	Economy Twister 23W CDL E27 HV 1PF/12	306	333	770	Cool Daylight	7000 K	70	60 %
929689258101	EconomyTwister 23W WW E27 220-240V 1PF/6	463	420	827	Warm White (WW)	2700 K	81	70 %
929689218302	EconomyTwister 8W WW E27 220-240V 1PF/6	463	420	827	Warm White (WW)	2700 K	81	70 %
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	313	337	865	Cool Daylight	6500 K	80	70 %
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	463	420	827	Warm White (WW)	2700 K	81	70 %
929689218601	EconomyTwister 12W CDL E27 1PF/6	313	337	865	Cool Daylight	6500 K	80	70 %
929689218701	EconomyTwister 15W WW E27 220-240V 1PF/6	463	420	827	Warm White (WW)	2700 K	81	70 %
929689218801	EconomyTwister 15W CDL E27 1PF/6	313	337	865	Cool Daylight	6500 K	80	70 %
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	463	420	827	Warm White (WW)	2700 K	81	70 %
929689219001	EconomyTwister 20W CDL E27 1PF/6	313	337	865	Cool Daylight	6500 K	80	70 %
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	313	337	865	Cool Daylight	6500 K	80	70 %
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	463	420	827	Warm White (WW)	2700 K	81	70 %
929689238602	EconomyTwister 12W CDL E14 1PF/6	313	337	865	Cool Daylight	6500 K	80	70 %
929689258201	EconomyTwister 23W CDL E27 1PF/6	313	337	865	Cool Daylight	6500 K	80	70 %

Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929689202403	Economy Twister 23W CDL E27 HV 1PF/12	65 %	45 lm/W	1040 lm	1040 lm	929689258101	EconomyTwister 23W WW E27 220-240V 1PF/6	88 %	67 lm/W	1570 lm	1570 lm

Economy Twister

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929689218302	EconomyTwister 8W WW E27 220-240V 1PF/6	88 %	62 lm/W	500 lm	500 lm
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	88 %	59 lm/W	475 lm	475 lm
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	88 %	61 lm/W	741 lm	741 lm
929689218601	EconomyTwister 12W CDL E27 1PF/6	88 %	58 lm/W	700 lm	700 lm
929689218701	EconomyTwister 15W WW E27 220-240V 1PF/6	88 %	65 lm/W	970 lm	970 lm
929689218801	EconomyTwister 15W CDL E27 1PF/6	88 %	61 lm/W	900 lm	900 lm

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	88 %	65 lm/W	1250 lm	1250 lm
929689219001	EconomyTwister 20W CDL E27 1PF/6	88 %	61 lm/W	1200 lm	1200 lm
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	88 %	59 lm/W	475 lm	475 lm
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	88 %	61 lm/W	741 lm	741 lm
929689238602	EconomyTwister 12W CDL E14 1PF/6	88 %	58 lm/W	700 lm	700 lm
929689258201	EconomyTwister 23W CDL E27 1PF/6	88 %	63 lm/W	1450 lm	1450 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
929689202403	Economy Twister 23W CDL E27 HV 1PF/12	-
929689258101	EconomyTwister 23W WW E27 220-240V 1PF/6	Spiral
929689218302	EconomyTwister 8W WW E27 220-240V 1PF/6	Spiral
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	Spiral
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	Spiral
929689218601	EconomyTwister 12W CDL E27 1PF/6	Spiral
929689218701	EconomyTwister 15W WW E27 220-240V 1PF/6	Spiral

Order Code	Full Product Name	Bulb Shape
929689218801	EconomyTwister 15W CDL E27 1PF/6	Spiral
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	Spiral
929689219001	EconomyTwister 20W CDL E27 1PF/6	Spiral
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	Spiral
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	Spiral
929689238602	EconomyTwister 12W CDL E14 1PF/6	Spiral
929689258201	EconomyTwister 23W CDL E27 1PF/6	Spiral

