



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

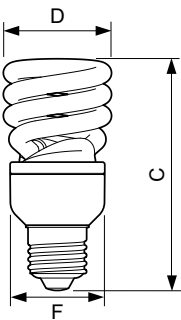
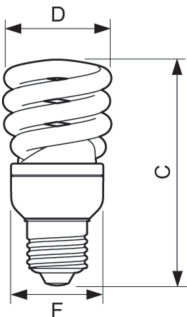
Warnings and Safety

- 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



Dimensional drawing

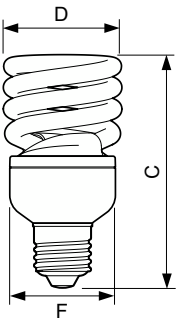


Product	D (max)	C (max)	F (max)
EconomyTwister 12W CDL E27 1PF/6	47.5 mm	94 mm	40.5 mm
EconomyTwister 12W WW E27 220-240V 1PF/6	47.5 mm	94 mm	40.5 mm

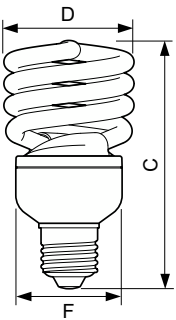
Product	D (max)	C (max)	F (max)
EconomyTwister 15W CDL E27 1PF/6	51.5 mm	107.5 mm	42.5 mm

Economy Twister

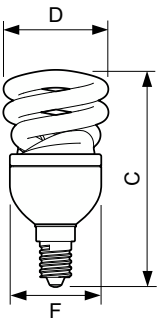
Dimensional drawing



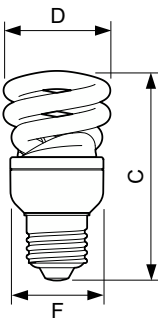
Product	D (max)	C (max)	F (max)
EconomyTwister 20W CDL E27 1PF/6	56.5 mm	111.5 mm	47 mm
EconomyTwister 20W WW E27 220-240V 1PF/6	56.5 mm	111.5 mm	47 mm



Product	D (max)	C (max)	F (max)
EconomyTwister 23W CDL E27 1PF/6	61.5 mm	118.5 mm	50.5 mm



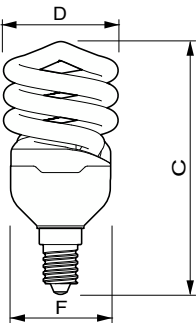
Product	D (max)	C (max)	F (max)
EconomyTwister 8W CDL E14 220-240V 1PF/6	47.5 mm	96.5 mm	40.5 mm



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

Economy Twister

Dimensional drawing



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

General Information	
Rated Lifetime (Hours)	6,000 hour(s)
Switching Cycle	6,000
Nominal lifetime	6,000 hour(s)
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Warm-up time to 60% light	5-40 s s
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
Mechanical and Housing	
Bulb Shape	Spiral

General Information

Order Code	Full Product Name	Cap-Base
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	E14
929689238602	EconomyTwister 12W CDL E14 1PF/6	E14
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	E27
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	E27
929689218601	EconomyTwister 12W CDL E27 1PF/6	E27
929689218801	EconomyTwister 15W CDL E27 1PF/6	E27
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	E27
929689219001	EconomyTwister 20W CDL E27 1PF/6	E27
929689258201	EconomyTwister 23W CDL E27 1PF/6	E27
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	E14

Light Technical (1/2)

		Chromaticity		Chromaticity		Correlated Color				
Order Code	Full Product Name	Coordinate X (Nom)	Coordinate Y (Nom)	Color Designation	Temperature (Nom)	Coordinate X (Nom)	Coordinate Y (Nom)	Color Designation	Temperature (Nom)	
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	463	420	Warm White (WW)	2700 K			Warm White (WW)	2700 K	
929689238602	EconomyTwister 12W CDL E14 1PF/6	313	337	Cool Daylight	6500 K			Cool Daylight	6500 K	
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	313	337	Cool Daylight	6500 K			Cool Daylight	6500 K	
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	463	420	Warm White (WW)	2700 K			Warm White (WW)	2700 K	
929689218601	EconomyTwister 12W CDL E27 1PF/6	313	337	Cool Daylight	6500 K			Cool Daylight	6500 K	
929689218801	EconomyTwister 15W CDL E27 1PF/6	313	337	Cool Daylight	6500 K			Cool Daylight	6500 K	

Economy Twister

Order Code	Full Product Name	Chromaticity		Color Designation	Correlated Color Temperature (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)		
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	463	420	Warm White (WW)	2700 K
929689219001	EconomyTwister 20W CDL E27 1PF/6	313	337	Cool Daylight	6500 K

Order Code	Full Product Name	Chromaticity		Color Designation	Correlated Color Temperature (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)		
929689258201	EconomyTwister 23W CDL E27 1PF/6	313	337	Cool Daylight	6500 K
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	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		
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	81	827	61 lm/W	741 lm
929689238602	EconomyTwister 12W CDL E14 1PF/6	80	865	58 lm/W	700 lm
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	80	865	59 lm/W	475 lm
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	81	827	61 lm/W	741 lm
929689218601	EconomyTwister 12W CDL E27 1PF/6	80	865	58 lm/W	700 lm

Order Code	Full Product Name	Color rendering		Luminous Efficacy (rated) (Nom)	Luminous Flux
		index (CRI)	Color Code		
929689218801	EconomyTwister 15W CDL E27 1PF/6	80	865	61 lm/W	900 lm
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	81	827	65 lm/W	1,250 lm
929689219001	EconomyTwister 20W CDL E27 1PF/6	80	865	61 lm/W	1,200 lm
929689258201	EconomyTwister 23W CDL E27 1PF/6	80	865	63 lm/W	1,450 lm
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	80	865	59 lm/W	475 lm

Operating and Electrical

Order Code	Full Product Name	Lamp	
		Current (Nom)	Power Consumption
929689238501	EconomyTwister 12W WW E14 220-240V 1PF/6	90 mA	12.0 W
929689238602	EconomyTwister 12W CDL E14 1PF/6	90 mA	12.0 W
929689218401	EconomyTwister 8W CDL E27 220-240V 1PF/6	60 mA	8.0 W
929689218501	EconomyTwister 12W WW E27 220-240V 1PF/6	90 mA	12.0 W
929689218601	EconomyTwister 12W CDL E27 1PF/6	90 mA	12.0 W

Order Code	Full Product Name	Lamp	
		Current (Nom)	Power Consumption
929689218801	EconomyTwister 15W CDL E27 1PF/6	110 mA	15.0 W
929689218901	EconomyTwister 20W WW E27 220-240V 1PF/6	150 mA	20.0 W
929689219001	EconomyTwister 20W CDL E27 1PF/6	150 mA	20.0 W
929689258201	EconomyTwister 23W CDL E27 1PF/6	170 mA	23.0 W
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	60 mA	8.0 W

Approval and Application

Economy Twister

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)
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
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

Order Code	Full Product Name	Energy Consumption kWh/1000 h	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
929689258201	EconomyTwister 23W CDL E27 1PF/6	23 kWh	2.5 mg
929689238401	EconomyTwister 8W CDL E14 220-240V 1PF/6	8 kWh	2.0 mg

