



Energy-saving lamp in a decorative spiral shape with extra long life

Mini Twister

The spiral shape lamp with smaller compact size which offers the life time up to 10000 hours. The product family includes the products from 8W to 23W, allowing easily replacement of most GLS lamps from 30W to 100W.

Benefits

- More than 80% energy saving effect compared with incandescent lamps of similar light output
- Average lifetime up to 10 times longer than an incandescent lamp for the fewer replacement
- Decorative spiral look, the lamp can be used in places where they are directly visible

Features

- Spiral-shaped alternative to incandescent lamps
- Better light distribution compared with common 'stick' CFL-I lamps
- Low mercury content for safety of the environment
- Smaller size with more brightness

Application

- Widely used to replace incandescent light bulbs in all kinds of general lighting applications
- Not suitable for dimming or for electronic devices

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Versions



20W, E27

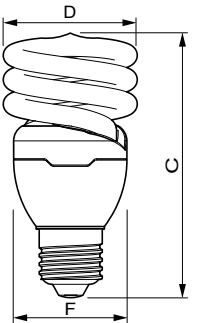
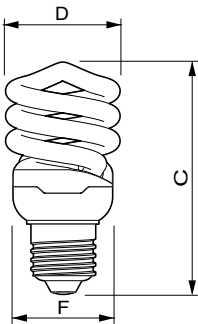
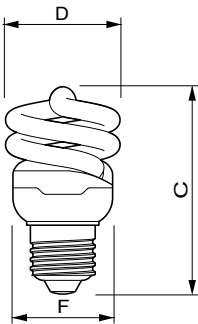


8W, E26/E27



12W, E26/E27

Dimensional drawing



Product	D (max)	C (max)	F (max)
Mini Twister 8W CDL E27 220-240V 1BC/12	47.5 mm	86.5 mm	40.5 mm

Product	D (max)	C (max)	F (max)
Mini Twister 12W CDL E27 220-240V 1BC/12	47.5 mm	94.0 mm	40.5 mm
Mini Twister 12W WW E27 220-240V 1BC/12	47.5 mm	94.0 mm	40.5 mm

Product	D (max)	C (max)	F (max)
Mini Twister 20W CDL E27 220-240V 1BC/12	56.5 mm	111.5 mm	47 mm

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Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	1.5 mg
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 or 60 Hz
Voltage (Nom)	220-240 V
Warm Up Time To 60% Light (Max)	30 s
Warm Up Time To 60% Light (Min)	5 s
General Information	
Cap-Base	E27
Nominal Lifetime (Nom)	12000 h
Rated Lifetime (Hours)	12000 h
Switching Cycle	6000X
Light Technical	
Lmf At End Of Nominal Lifetime (Nom)	65 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Nom)	75 %
Mechanical and Housing	
Bulb Shape	Spiral

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929689311410	Mini Twister 20W CDL E27 220-240V 1BC/12	20 kWh
929689331405	Mini Twister 8W CDL E27 220-240V 1BC/12	8 kWh
929689331508	Mini Twister 12W WW E27 220-240V 1BC/12	12 kWh
929689331604	Mini Twister 12W CDL E27 220-240V 1BC/12	12 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp		Power (Rated) (Nom)	Starting Time (Nom)
		Current (Nom)	Wattage Equivalent		
929689311410	Mini Twister 20W CDL E27 220-240V 1BC/12	150 mA	88 W	20 W	0.3 s
929689331405	Mini Twister 8W CDL E27 220-240V 1BC/12	60 mA	40 W	8 W	2 s

Order Code	Full Product Name	Lamp		Power (Rated) (Nom)	Starting Time (Nom)
		Current (Nom)	Wattage Equivalent		
929689331508	Mini Twister 12W WW E27 220-240V 1BC/12	90 mA	60 W	12 W	0.3 s
929689331604	Mini Twister 12W CDL E27 220-240V 1BC/12	90 mA	57 W	12 W	0.3 s

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Color Code	Color Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
929689311410	Mini Twister 20W CDL E27 220-240V 1BC/12	313	337	865	Cool Daylight
929689331405	Mini Twister 8W CDL E27 220-240V 1BC/12	313	337	865	Cool Daylight

Order Code	Full Product Name	Chromaticity		Color Code	Color Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
929689331508	Mini Twister 12W WW E27 220-240V 1BC/12	463	420	827	Warm White (WW)
929689331604	Mini Twister 12W CDL E27 220-240V 1BC/12	313	337	865	Cool Daylight

Light Technical (2/2)

Mini Twister

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux Lamp @ 120V	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929689311410	Mini Twister 20W CDL E27 220-240V 1BC/12	6500 K	80	59 lm/W	1170 lm	1170 lm	1170 lm
929689331405	Mini Twister 8W CDL E27 220-240V 1BC/12	6500 K	80	49 lm/W	440 lm	440 lm	440 lm
929689331508	Mini Twister 12W WW E27 220-240V 1BC/12	2700 K	82	54 lm/W	733 lm	733 lm	745 lm
929689331604	Mini Twister 12W CDL E27 220-240V 1BC/12	6500 K	80	54 lm/W	650 lm	650 lm	745 lm

