



Product Description

TORNADO

The Helix range is a twist-shape compact fluorescent lamp, with optimal light distribution. It is available in 11W, 15W, 20W and 23W (25W), with lumen equivalence of 60W, 75W, 100W and 125W incandescent light bulb. It is also available in two color temperatures: warm white (2700K) and cool daylight (6500K). It is available in both 220-240V and 120-127V and able to operate under a wide voltage range (Power supply fluctuation). It consumes up to 80% less energy than the incandescent light bulb and lasts for 3 years.

Benefits

- Very compact size and wide range allowing easy replacement of most GLS lamps from 25 W up to 150 W
- More than 80% energy saving effect compared with incandescent lamps of similar light output
- Fewer lamp replacements. Fit & forget.

Features

- Spiral-shaped alternative to incandescent lamps
- High energy efficiency
- Long-life alternative to incandescent lamps

Application

- The Helix range is widely used to replace incandescent light bulb at all kinds of applications, especially where require intensive light output.
- It is not suitable for dimming and electronic devices

PHILIPS

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.

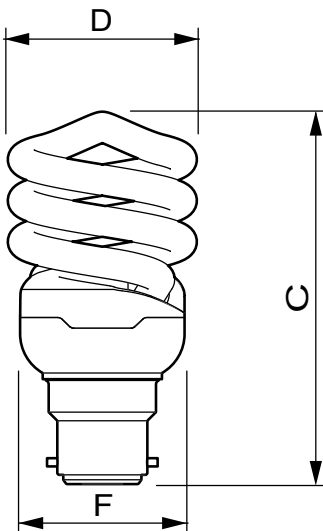
- Compact fluorescent lamps have to be treated as special waste, they must be taken to your local waste facilities for recycling. The European Lighting Industry has set up an infrastructure, capable of recycling mercury, other metals, glass etc.

Related products



12W, B22

Dimensional drawing



12W, B22

QSPIR-F T2 12W/827 B22 220-240V 50/60Hz

Product	D	C	F
TORNADO 12W WW B22 220-240V 1CT/12	47,5 mm	92,5 mm	40,5 mm

General Information

order code	Bulb Shape	Cap-Base	Nominal Lifetime (Nom)
73057600	Spiral	E14	8000
73059000	Spiral	E14	8000
73061300	Spiral	E14	8000
73063700	Spiral	E14	8000
73089700	Spiral	E27	8000
73091000	Spiral	E27	8000
73093400	Spiral	E27	8000

order code	Bulb Shape	Cap-Base	Nominal Lifetime (Nom)
73095800	Spiral	E27	8000
73101600	Spiral	B22	8000
73103000	Spiral	B22	8000
73105400	Spiral	B22	8000
73107800	Spiral	B22	8000
73117700	Spiral	E27	8000
73119100	Spiral	E27	8000

order code	Bulb Shape	Cap-Base	Nominal Lifetime (Nom)
73121400	Spiral	E27	8000
73123800	Spiral	E27	8000
73129000	Spiral	B22	8000

order code	Bulb Shape	Cap-Base	Nominal Lifetime (Nom)
73133700	Spiral	B22	8000
73135100	Spiral	B22	8000

Light Technical (1/2)

order code	Chroma-ticity Coordinate X (Nom)	Chroma-ticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Limf At End Of Nominal Lifetime (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Lumi-nous Flux (Nom)
73057600	463	420	Warm white (WW)	2700	82	70	85	75	62	500
73059000	313	337	Cool Daylight	6500	80	70	85	75	59	475
73061300	463	420	Warm white (WW)	2700	82	70	85	75	61	741
73063700	313	337	Cool Daylight	6500	80	70	85	75	58	700
73089700	463	420	Warm white (WW)	2700	82	70	85	75	65	950
73091000	313	337	Cool Daylight	6500	80	70	85	75	61	900
73093400	463	420	Warm white (WW)	2700	82	70	85	75	65	1250
73095800	313	337	Cool Daylight	6500	80	70	85	75	61	1200
73101600	463	420	Warm white (WW)	2700	82	70	85	75	65	950
73103000	313	337	Cool Daylight	6500	80	70	85	75	61	900
73105400	463	420	Warm white (WW)	2700	82	70	85	75	65	1250
73107800	313	337	Cool Daylight	6500	80	70	85	75	61	1200
73117700	463	420	Warm white (WW)	2700	82	70	85	75	62	500
73119100	313	337	Cool Daylight	6500	80	70	85	75	59	475
73121400	463	420	Warm white (WW)	2700	82	70	85	75	61	741
73123800	313	337	Cool Daylight	6500	80	70	85	75	58	700
73129000	463	420	Warm white (WW)	2700	82	70	85	75	62	500
73133700	463	420	Warm white (WW)	2700	82	70	85	75	61	741
73135100	313	337	Cool Daylight	6500	80	70	85	75	58	700

Light Technical (2/2)

order code	Luminous Flux (Rated) (Nom)
73057600	500
73059000	475
73061300	741
73063700	700
73089700	950
73091000	900
73093400	1250
73095800	1200
73101600	950
73103000	900

order code	Luminous Flux (Rated) (Nom)
73105400	1250
73107800	1200
73117700	500
73119100	475
73121400	741
73123800	700
73129000	500
73133700	741
73135100	700

Operating and Electrical

order code	Lamp Current (Nom)	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)	Warm Up Time To 60% Light (Max)	Warm Up Time To 60% Light (Min)
73057600	60	50-60_1	220-240	40	8	0.3	60	5
73059000	60	50-60_1	220-240	40	8	0.3	60	5
73061300	90	50-60_1	220-240	60	12	0.3	60	5
73063700	90	50-60_1	220-240	60	12	0.3	60	5
73089700	110	50-60_1	220-240	75	15	0.3	60	5
73091000	110	50-60_1	220-240	75	15	0.3	60	5
73093400	150	50-60_1	220-240	100	20	0.3	60	5
73095800	150	50-60_1	220-240	100	20	0.3	60	5
73101600	110	50-60_1	220-240	75	15	0.3	60	5
73103000	110	50-60_1	220-240	75	15	0.3	60	5
73105400	150	50-60_1	220-240	100	20	0.3	60	5
73107800	150	50-60_1	220-240	100	20	0.3	60	5
73117700	60	50-60_1	220-240	40	8	0.3	60	5
73119100	60	50-60_1	220-240	40	8	0.3	60	5
73121400	90	50-60_1	220-240	60	12	0.3	60	5
73123800	90	50-60_1	220-240	60	12	0.3	60	5
73129000	60	50-60_1	220-240	40	8	0.3	60	5
73133700	90	50-60_1	220-240	60	12	0.3	60	5
73135100	90	50-60_1	220-240	60	12	0.3	60	5

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
73057600	8	A	1.5
73059000	8	A	1.5
73061300	12	A	1.5
73063700	12	A	1.5
73089700	15	A	-
73091000	15	A	-
73093400	20	A	1.5
73095800	20	A	1.5
73101600	15	A	1.5
73103000	15	A	1.5
73105400	20	A	1.5

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
73107800	20	A	1.5
73117700	8	A	1.5
73119100	8	A	1.5
73121400	12	A	1.5
73123800	12	A	1.5
73129000	8	A	1.5
73133700	12	A	1.5
73135100	12	A	1.5



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