



# TORNADO

## TORNADO 20W CDL E27 220-240V 1PF/6

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.

### 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.

### Product data

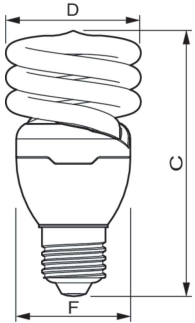
| General information            |                     | Operating and electrical              |             |
|--------------------------------|---------------------|---------------------------------------|-------------|
| Cap-Base                       | E27 [ E27]          | Chromaticity Coordinate X (Nom)       | 313         |
| Nominal Lifetime (Nom)         | 8000 h              | Chromaticity Coordinate Y (Nom)       | 337         |
| Switching Cycle                | 5000X               | Correlated Color Temperature (Nom)    | 6500 K      |
| Rated Lifetime (Hours)         | 8000 h              | Luminous Efficacy (rated) (Nom)       | 61 lm/W     |
|                                |                     | Color Rendering Index (Nom)           | 80          |
|                                |                     | LLMF At End Of Nominal Lifetime (Nom) | 70 %        |
| Light technical                |                     |                                       |             |
| Color Code                     | 865 [ CCT of 6500K] | Input Frequency                       | 50 or 60 Hz |
| Luminous Flux (Nom)            | 1200 lm             | Power (Nom)                           | 20 W        |
| Luminous Flux (Rated) (Nom)    | 1200 lm             | Lamp Current (Nom)                    | 150 mA      |
| Color Designation              | Cool Daylight       | Starting Time (Nom)                   | 0.3 s       |
| Lumen Maintenance 2000 h (Nom) | 85 %                | Warm Up Time to 60% Light (Min)       | 5 s         |
| Lumen Maintenance 5000 h (Nom) | 75 %                |                                       |             |

# TORNADO

|                                 |           |
|---------------------------------|-----------|
| Warm Up Time to 60% Light (Max) | 60 s      |
| Power Factor (Nom)              | 0.6       |
| Voltage (Nom)                   | 220-240 V |
| <b>Controls and dimming</b>     |           |
| Dimmable                        | No        |
| <b>Mechanical and housing</b>   |           |
| Bulb Shape                      | Spiral    |
| <b>Approval and application</b> |           |
| Mercury (Hg) Content (Nom)      | 1.5 mg    |
| Energy Consumption kWh/1000 h   | 20 kWh    |

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Product data</b>             |                                    |
| Full product code               | 871829113813600                    |
| Order product name              | TORNADO 20W CDL E27 220-240V 1PF/6 |
| EAN/UPC - Product               | 8718291138136                      |
| Order code                      | 929689848405                       |
| Numerator - Quantity Per Pack   | 1                                  |
| Numerator - Packs per outer box | 6                                  |
| Material Nr. (12NC)             | 929689848405                       |
| Copy Net Weight (Piece)         | 0.065 kg                           |

## Dimensional drawing



TORNADO 20W CDL E27 220-240V 1PF/6

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

