



# Energy Saver Compact Fluorescents – Going green never looked so good

## Energy Saver T2

The Philips EnergySaver T2 provides energy efficient lighting in a smaller, sleeker, size that fits more fixtures. The energy saving T2 is a direct replacement for most incandescents, provides soft white light and lasts 11 years\* reducing the hassle of frequent replacements.

### Benefits

- Philips Energy Saver T2 Twister provides energy savings and reduced operating costs without sacrificing quality of light compared to standard incandescent equivalent.
- Direct replacement for incandescent bulbs, provides a warm and inviting soft white light.
- Extra small, contemporary size fits better into most fixtures, including small modern fixtures.

### Features

- Similar light output as standard incandescent lamps
- Smaller, compact size fits most small fixtures
- Instant on
- Long Life—Lasts 11 years\*
- 9W T2 is equivalent to 40W standard incandescent\*\*
- \* Based on approximately 3 hours average usage per day/7 days per week. \*\* This 9W energy saving light bulb provides soft white light similar to a 40W incandescent bulb

# Energy Saver T2

## Application

- Ideal for table or floor lamps, wall sconces, and surface mounted fixtures around the home.

## Versions

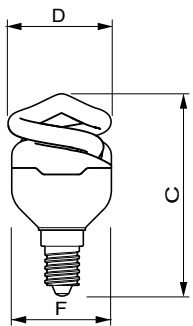
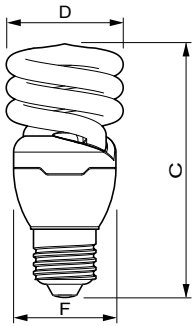


13W E26 EL/mdTQS



23W, E26, E27

## Dimensional drawing

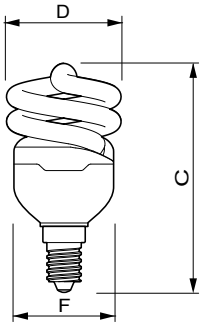


| Product             | D (max) | C (max)  | F (max) |
|---------------------|---------|----------|---------|
| EL/mdTQ 13W T2      | 51.5 mm | 104.3 mm | 42.5 mm |
| EL/mdTQ 13W T2 4.1k | 51.5 mm | 104.3 mm | 42.5 mm |

| Product        |
|----------------|
| EL/mdTQ 23W T2 |

# Energy Saver T2

## Dimensional drawing



### Product

EL/mdTQ 23W T2

## Product details



B22



E14



E14



E14, T2



B22

# Energy Saver T2

## Controls and Dimming

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Operating and Electrical

|                 |             |
|-----------------|-------------|
| Input Frequency | 50 or 60 Hz |
| Voltage (Nom)   | 110-127 V   |

## General Information

|                        |         |
|------------------------|---------|
| Cap-Base               | E26     |
| Nominal Lifetime (Nom) | 10000 h |
| Rated Lifetime (Hours) | 10000 h |
| Switching Cycle        | 5000X   |

## Light Technical

|                                 |         |
|---------------------------------|---------|
| Lumen Maintenance 2000 h (Nom)  | 85 %    |
| Luminous Efficacy (rated) (Nom) | 67 lm/W |

## Approval and Application

| Order Code | Full Product Name   | Energy Consumption kWh/ | Mercury (Hg) Content | Mercury (Hg)  |
|------------|---------------------|-------------------------|----------------------|---------------|
|            |                     | 1000 h                  | (Max)                | Content (Nom) |
| 413996     | EL/mdTQS 13W T2     | 13 kWh                  | 2 mg                 | -             |
| 414037     | EL/mdTQ 13W T2 4.1k | 13 kWh                  | 2 mg                 | -             |
| 414011     | EL/mdTQS 23W T2     | 23 kWh                  | 2.5 mg               | 2 mg          |

## Operating and Electrical

| Order Code | Full Product Name   | Lamp          | Power         | Warm Up                 | Warm Up                 |
|------------|---------------------|---------------|---------------|-------------------------|-------------------------|
|            |                     | Current (Nom) | (Rated) (Nom) | Time To 60% Light (Max) | Time To 60% Light (Min) |
| 413996     | EL/mdTQS 13W T2     | 210 mA        | 13.0 W        | 40 s                    | 5 s                     |
| 414037     | EL/mdTQ 13W T2 4.1k | 210 mA        | 13.0 W        | 40 s                    | 5 s                     |

| Order Code | Full Product Name | Lamp          | Power         | Warm Up                 | Warm Up                 |
|------------|-------------------|---------------|---------------|-------------------------|-------------------------|
|            |                   | Current (Nom) | (Rated) (Nom) | Time To 60% Light (Max) | Time To 60% Light (Min) |
| 414011     | EL/mdTQS 23W T2   | 360 mA        | 23.0 W        | -                       | -                       |

## Light Technical (1/2)

| Order Code | Full Product Name   | Chromaticity       |                    | Chromaticity |                   |
|------------|---------------------|--------------------|--------------------|--------------|-------------------|
|            |                     | Coordinate X (Nom) | Coordinate Y (Nom) | Color Code   | Color Designation |
| 413996     | EL/mdTQS 13W T2     | 459                | 412                | 827          | Warm White (WW)   |
| 414037     | EL/mdTQ 13W T2 4.1k | 380                | 380                | 841          | Cool White (CW)   |

| Order Code | Full Product Name | Chromaticity       |                    | Chromaticity |                   |
|------------|-------------------|--------------------|--------------------|--------------|-------------------|
|            |                   | Coordinate X (Nom) | Coordinate Y (Nom) | Color Code   | Color Designation |
| 414011     | EL/mdTQS 23W T2   | 463                | 420                | 827          | Warm White (WW)   |

## Light Technical (2/2)

| Order Code | Full Product Name   | Correlated Color Temperature (Nom) | Color Rendering Index (Min) | Color Rendering Index (Nom) | Llmf At End Of         |                                |                     |                             |
|------------|---------------------|------------------------------------|-----------------------------|-----------------------------|------------------------|--------------------------------|---------------------|-----------------------------|
|            |                     |                                    |                             |                             | Nominal Lifetime (Nom) | Lumen Maintenance 5000 h (Nom) | Luminous Flux (Nom) | Luminous Flux (Rated) (Nom) |
| 413996     | EL/mdTQS 13W T2     | 2700 K                             | -                           | 81                          | 50 %                   | 70 %                           | 900 lm              | 900 lm                      |
| 414037     | EL/mdTQ 13W T2 4.1k | 4100 K                             | -                           | 81                          | 50 %                   | 70 %                           | 900 lm              | 900 lm                      |
| 414011     | EL/mdTQS 23W T2     | 2700 K                             | 81                          | -                           | 70 %                   | 75 %                           | 1600 lm             | 1600 lm                     |

## Mechanical and Housing

| Order Code | Full Product Name   | Bulb Shape |
|------------|---------------------|------------|
| 413996     | EL/mdTQS 13W T2     | EL/mdTQS   |
| 414037     | EL/mdTQ 13W T2 4.1k | EL/mdTQS   |

| Order Code | Full Product Name | Bulb Shape |
|------------|-------------------|------------|
| 414011     | EL/mdTQS 23W T2   | Spiral     |

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