# ToLEDo T8 CCG and AC

*TOLEDO T8 V4 2FT 10W 1000LM 830 RL*

**0028800**

**Product features**

- Energy efficient and affordable LED T8 solution to replace conventional fluorescent T8 lamps. Omnidirectional 320° uniform light distribution thanks to glass tube construction design, same as traditional fluorescent T8 tubes. High lumen package - 1000 lm/W. High lumen efficacy - 100 lm/W. Energy rating - A+. Switching cycles - 200,000X. Average life 40,000 hours lifespan (L70 F50). Wide beam angle - 220°. High power factor - 0.90. Suitable for general illumination in offices, supermarkets, department stores, train stations, petrol stations, parking lots and maintenance free applications. Suitable for operation with electromagnetic gears and direct mains operation (220-240V). 3-Year warranty.

## PRODUCT OVERVIEW

| | |
|---|---|
| **IPC Code** | 0028800 |
| **Product name** | TOLEDO T8 V4 2FT 10W 1000LM 830 RL |
| **Technology** | LED |
| **Watt (Rated) (W)** | 10 |
| **Lamp shape** | LED Tubes T8 |
| **Lamp finish** | Frosted |
| **General application** | Logistics & Industry,Education,Residential & Consumer,Office,Hospitality,Retail,Museums & Galleries, |
| **Certifications** | EUERL010 |
| **ETIM Class** | EC001959 |
| **Luminous flux (lm)** | 1000 |
| **Colour temperature (K)** | 3000 |
| **Light colour** | Warm White |
| **CRI (Ra)** | 80 |
| **Colour Consistency (SDCM)** | 6 |
| **Wattage (W)** | 10 |
| **Product Voltage (V)** | 4 |
| **Dimmable** | No |
| **Average life (Nominal) (h)** | 40000 |
| **IP rating** | IP20 |
| **Product EAN number** | 5410288288000 |

## DATA TABLE

### General data

| | |
|---|---|
| **IPC Code** | 0028800 |
| **Product name** | TOLEDO T8 V4 2FT 10W 1000LM 830 RL |
| **Technology** | LED |
| **Watt (Rated) (W)** | 10 |
| **Lamp shape** | LED Tubes T8 |
| **Lamp finish** | Frosted |
| **General application** | Logistics & Industry,Education,Residential & Consumer,Office,Hospitality,Retail,Museums & Galleries, |
| **Operating temperature rated (°C)** | 25 |



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| | |
|---|---|
| **Certifications** | EUERL010 |
| **ETIM Class** | EC001959 |

## Optical data

| | |
|---|---|
| **Luminous flux (lm)** | 1000 |
| **Luminous flux (Rated) (lm)** | 1000 |
| **Colour temperature (K)** | 3000 |
| **Light colour** | Warm White |
| **Colour Code** | 830 |
| **CRI (Ra)** | 80 |
| **Colour Consistency (SDCM)** | 6 |
| **Adjustable chromaticity** | N |
| **Lumen maintenance at end of nominal life (%)** | 70 |

## Electrical data

| | |
|---|---|
| **Wattage (W)** | 10 |
| **Starting time (max) (s)** | 0.5 |
| **Warm-up time to 60% of full light (max) (s)** | < 1s => 60% |
| **Current (A)** | 0.045 |
| **Mains voltage (V)** | 230V~ |
| **Product Voltage (V)** | 4 |
| **Lamp power factor** | 0.9 |
| **Control gear required** | No |
| **No. Of switching cycles before premature failures** | 200000 |
| **Transformer required** | No |
| **Dimmable** | No |
| **Lamp Energy Label (class)** | A+ |
| **Energy efficiency level** | A+ |
| **kWh per 1000 hours burning time** | 10 |

## Lifetime data

| | |
|---|---|
| **Average life (Nominal) (h)** | 40000 |
| **Average life (Rated) (h)** | 40000 |

## Physical data

| | |
|---|---|
| **IP rating** | IP20 |
| **Nominal Product Length (mm)** | 603 |
| **Max. Length base to base (mm) - A** | 589 |
| **Length base to pin Min-Max (mm) - B** | 596 |
| **Max. Lamp Length (mm) - C/L** | 603 |
| **Max. Lamp Diameter (mm) - D** | 28 |
| **Weight (kg)** | 0.125 |

## Packaging

| | |
|---|---|
| **Single packaging type** | Carton |
| **Product EAN number** | 5410288288000 |
| **Packaging single length / height (cm)** | 68.7 |



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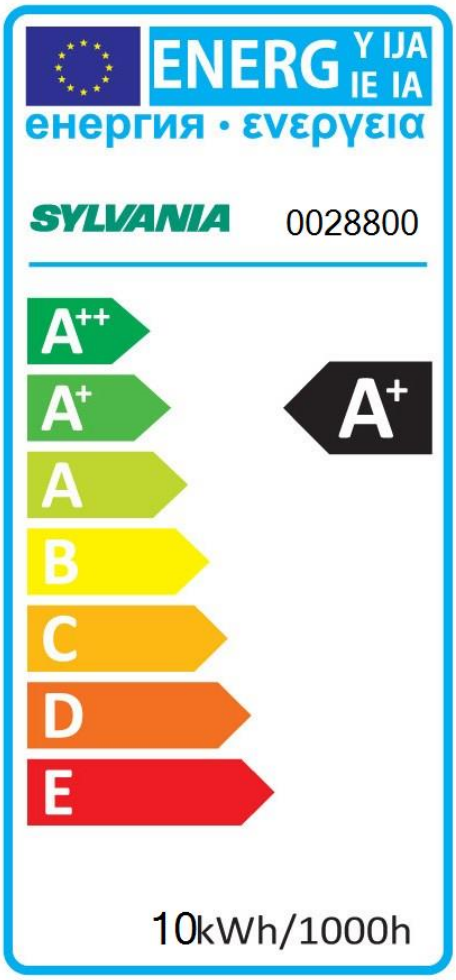
| | |
|---|---|
| **Packaging single width (cm)** | 2.9 |
| **Packaging single depth (cm)** | 2.9 |
| **DUN14 (outer)** | 15410288288007 |
| **Units per outer package** | 10 |
| **Packaging outer length / height (cm)** | 72.0 |
| **Packaging outer width (cm)** | 22.0 |
| **Packaging outer depth (cm)** | 10.0 |

## Safety data

| | |
|---|---|
| **Breakage cleaning instructions** | Not applicable |
| **Recommendation for disposal at end of life** | Not Applicable |
| **Special purpose lamp** | No |
| **Intended purpose** | No |
| **Dry applications use only** | Yes |
| **Suitable for household illumination** | Yes |
| **Suitable for accent lighting** | Yes |
| **Safety message** | Suitable for totally enclosed fixture |



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