

Stick T3 Mini Eco 6,000 hours

Compact Fluorescent Lamps Integrated
9W, 11W, 15W, 20W and 23W



Product information

The T3 6,000 hours Mini Eco stick range offers low energy consumption in a compact size, along with fast warmup time. Stick shaped lamps provide an energy saving alternative for almost all applications where incandescent bulbs are currently used, ensuring excellent light quality and reliable energy savings.

Features

Compact Fluorescent Lamps (CFL) have an important role to play in the future of lighting, helping to protect the environment by using less energy and creating less CO₂ emissions. In addition, CFL lamps contribute to the reduction of maintenance costs, ensuring that financial benefits are enjoyed alongside environmental benefits.

There are a variety of performance advantages afforded by GE Lighting CFL lamps. They use almost 80% less energy and last six times longer than their incandescent predecessors, are rated energy class 'A' and offer high quality light.

With continuing technological advancements and miniaturisation, today's T3 CFL lamps are similar to the incandescent lamps that they replace to ensure that they are discreet – yet high performing.

- 6,000 hours life
- Fast warm-up
- 'A' energy class

Application areas

Stick T3 Mini Eco 6,000 hours lamps are recommended for general indoor and outdoor (in enclosed fittings) applications such as:

- Home lighting
- Retail lighting
- Hotels
- Restaurants
- Corridors, hallways
- Gardens, courtyards

Product range

T3 Stick Mini Eco 6,000 hours lamps are available in a full range of:

- 9, 11, 15, 20 and 23 wattages
- E14, E27 and B22 caps
- Warm white (2700K) colour
- Box pack



Compliance

Standards

- IEC 60061-1: Lamp caps and holders together with gauges for the control of interchangeability and safety
- IEC or EN 60969: Self ballasted lamps for general lighting services – performance requirements
- IEC or EN 60968: Self-ballasted lamps for general lighting services – safety requirements
- EN 50285: Energy labelling of household lamps
- CIE S 009/E:2002: Photobiological safety of lamps and lamp systems
- EN 61547: Requirement for general lighting purposes – EMC immunity requirement
- EN 55015 or CISPR 15: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2: Electromagnetic compatibility (EMC) – Part 3-2: Limits – limits for harmonic current emissions (equipment input current up to and including 16A per phase)
- EN 61000-3-3: Electromagnetic compatibility (EMC) – Part 3-3: Limits – limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to 16A

European Directives:

- Safety: Low Voltage (LVD) 2006/95/EC
- Electromagnetic Compatibility: (EMC) 2004/108/EC
- RoHS: Directive 2011/65/EC on Restrictions of the use of certain Hazardous Substances (RoHS)
- ErP household: Directive 2009/125/EC on ecodesign requirements (of Energy-related Products) and its Implementing Measure for non-directional Household Lamps: 244/2009/EC
- Energy Labelling: Commission Directive 98/11/EC of 27 January 1998 implementing Council Directive 92/75/EEC with regard to energy labelling of household lamps
- WEEE: Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE)
- REACH: Commission Regulation 453/2010/EC on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

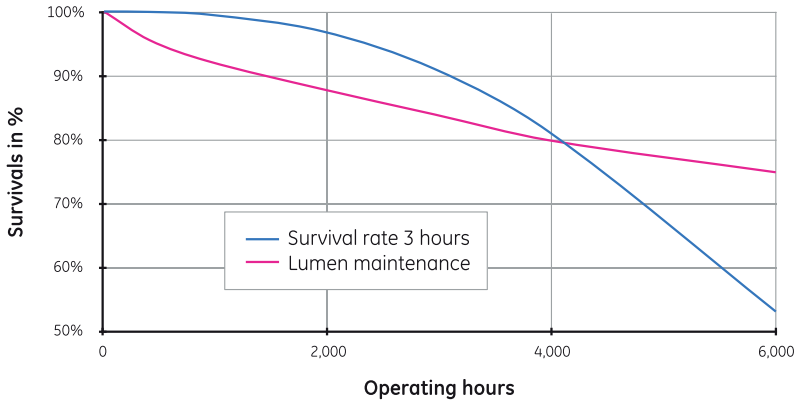
Basic data

Wattage [W]	Volts [V]	Cap	Product Description	Product Code Box pack	Lumen [lm]	CCT [K]	CRI [Ra]	Rated* Life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty	EuP Inca Watt Equivalent
9,0	220-240	E14	OT FLE9DBX/T3/827/E14 BX 1/10 GE 6Y /01	62119	435	2700	80	6000	123	40	A	10	40
9,0	220-240	E27	OT FLE9DBX/T3/827/E27 BX 1/10 GE 6Y /01	62120	435	2700	80	6000	124	40	A	10	40
9,0	220-240	B22d	OT FLE9DBX/T3/827/B22 1/8T GE 6Y /01	63908	435	2700	80	6000	123	40	A	8	40
9,0	220-240	E14	OT FLE9DBX/T3/827/E14 1/8T GE 6Y /01	63965	435	2700	80	6000	123	40	A	8	40
9,0	220-240	E27	OT FLE9DBX/T3/827/E27 1/8T GE 6Y /01	63966	435	2700	80	6000	124	40	A	8	40
11,0	220-240	E14	OT FLE11DBX/T3/827/E14 BX 1/10 GE 6Y /01	61501	600	2700	80	6000	142	44.50	A	10	51
11,0	220-240	E27	OT FLE11DBX/T3/827/E27 BX 1/10 GE 6Y /01	61502	600	2700	80	6000	142	44.50	A	10	51
11,0	220-240	B22d	OT FLE11DBX/T3/827/B22 1/8T GE 6Y /01	63909	600	2700	80	6000	141	44.50	A	8	51
11,0	220-240	E14	OT FLE11DBX/T3/827/E14 1/8T GE 6Y /01	63967	600	2700	80	6000	142	44.50	A	8	51
11,0	220-240	E27	OT FLE11DBX/T3/827/E27 1/8T GE 6Y /01	63968	600	2700	80	6000	142	44.50	A	8	51
15,0	220-240	E27	OT FLE15TBX/T3/827/E27 BX 1/10 GE 6Y /01	61503	820	2700	80	6000	136	44.50	A	10	65
15,0	220-240	B22d	OT FLE15TBX/T3/827/B22 1/8T GE 6Y /01	63911	820	2700	80	6000	135	44.50	A	8	65
15,0	220-240	E27	OT FLE15TBX/T3/827/E27 1/8T GE 6Y /01	63969	820	2700	80	6000	136	44.50	A	8	65
20,0	220-240	E27	OT FLE20TBX/T3/827/E27 BX 1/10 GE 6Y /01	61504	1152	2700	80	6000	154	44.50	A	10	86
20,0	220-240	E27	OT@FLE20TBX/T3/827/E27 GE BX3/30 6Y /01	63641	1152	2700	80	6000	154	44.50	A	30	86
20,0	220-240	E27	OT@FLE20TBX/T3/827/E27 GE BL3/30 6Y /01	63644	1152	2700	80	6000	154	44.50	A	30	86
20,0	220-240	B22d	OT FLE20TBX/T3/827/B22 1/8T GE 6Y /01	63912	1152	2700	80	6000	153	44.50	A	8	86
20,0	220-240	E27	OT FLE20TBX/T3/827/E27 1/8T GE 6Y /01	63971	1152	2700	80	6000	154	44.50	A	8	86
23,0	220-240	E27	OT FLE23TBX/T3/827/E27 BX 1/10 GE 6Y /01	61505	1380	2700	80	6000	173	44.50	A	10	99
23,0	220-240	E27	OT FLE23TBX/T3/827/E27 1/8T GE 6Y /01	63976	1380	2700	80	6000	173	44.50	A	8	99

*Rated wattage, life and lumen are equivalent to nominal values, which are indicated on product packaging

Survival rate and lumen maintenance

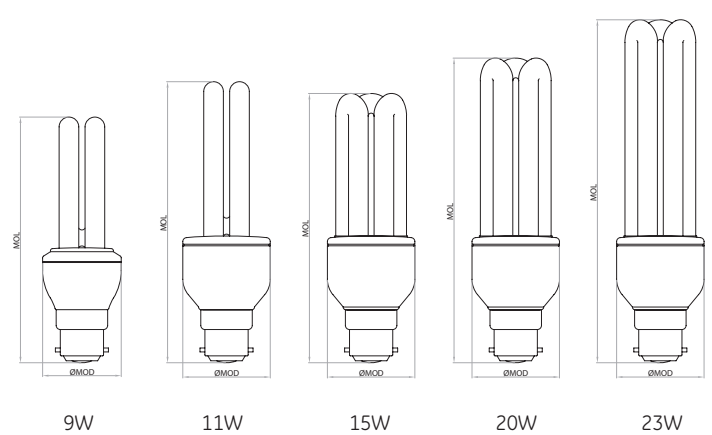
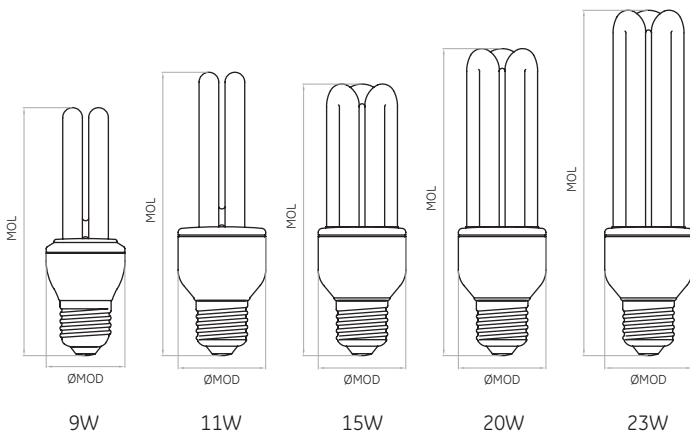
Life expectancy and lumen maintenance



Hours	Survival rate 3 hours	Lumen maintenance
100	1.00	1.00
2,000	0.97	0.85
4,000	0.80	0.78
6,000	0.51	0.75

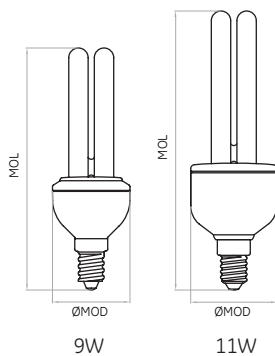
Test condition: 50Hz 230V 3 hours cycling - according to IEC60969

Dimensions



E27 cap		
	MOL [mm]	MOD [mm]
9W	124	40
11W	142	44.5
15W	135	44.5
20W	154	44.5
23W	173	44.5

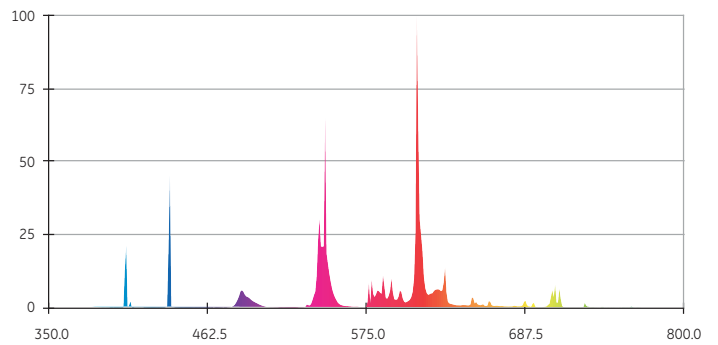
B22 cap		
	MOL [mm]	MOD [mm]
9W	123	40
11W	141	44.5
15W	135	44.5
20W	153	44.5
23W	172	44.5



E14 cap		
	MOL [mm]	MOD [mm]
9W	123	40
11W	142	44.5

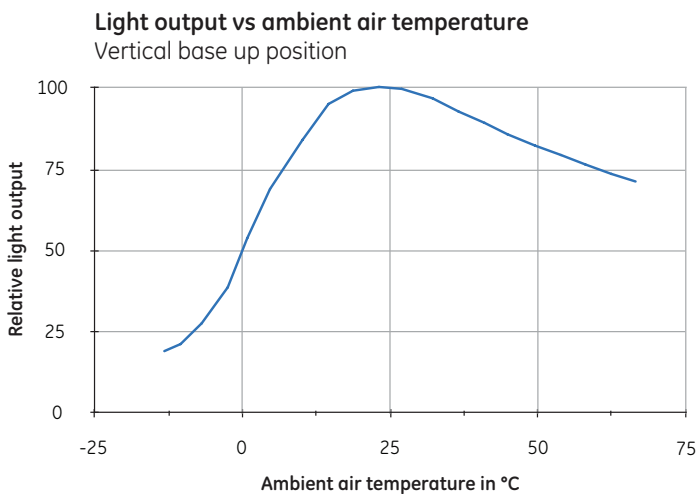
Spectral power distribution

Spectral power distribution 2700K



Influence of ambient temperature on light output


Photometrical and light parameters of a fluorescent lamp depend on the mercury vapor pressure inside the lamp. Mercury vapor pressure in turn is controlled by temperature. When installed in a luminaire, the temperature of the air surrounding the lamp cap changes and this can affect the light output of the lamp. The effects of changes in ambient temperature for a typical lamp are shown on the graph.



Additional information – EuP Compliance


EU Regulations: GE Lighting's CFL lamps are all compliant with WEEE (Waste Electrical and Electronic Equipment), RoHS (Reduction of Hazardous Substances) and EuP (Energy Using Products) directives and are available in compliant packaging.

Incandescent watt equivalence: select the preferred wattage to enjoy the same light output as the original incandescent bulb while at the same time achieving significant energy savings. The Basic Data table and the updated EuP packaging include the CFL-Incandescent wattage equivalences according to the new EuP luminous flux standards.


 **Starting time:** the time needed for the lamp to start fully and remain alight. GE Lighting's CFL lamps are usually instant light on. Starting categories are: instant on (<0.3sec), quick (0.3-1sec), standard (1-1.5sec).
Stick T3 Mini Eco 6,000 hours starting time instant

Warm-up: GE Lighting's CFL lamps are usually characterised by fast warm-up times. Warm-up categories at 60% lumen are: fast (<30sec), standard (30-60sec) and slow (60-120sec).
Stick T3 Mini Eco 9, 11, 15W 6,000 hours: standard, Stick T3 Mini Eco 20, 23W 6,000 hours: fast warm-up


Mercury content: GE Lighting's CFL lamps contain a minimised level of mercury, some of our best-in class lamps as low as 0.9mg vs. the max. 5.0mg allowed by RoHS.
Stick T3 Mini Eco 6,000 hours: mercury content 2.0mg

 **Switching cycle:** switching endurance is a minimum 3000 cycles based on official EU standard – one minute on, three minutes off.
Stick T3 Mini Eco 6,000 hours switching cycle: 3,000

 **Non-dimmable**

 **Timer, photo cell circuits:** not suitable for use with electronically switched devices. Please refer to the device instructions.

Power Factor
Power Factor: ratio of the measured active input power to the product of the supply voltage (r.m.s.) and the supply current (r.m.s.). measures how efficiently the current is being converted into real power. Lamps of power factor >0.9 are referred to as High Power Factor lamps, below that as Low Power Factor lamps. All CFL lamps above 25 watts sold in EU need to be High Power Factor lamp. **Stick T3 Mini Eco 6,000 hours power factor: >0.5**

 **Ambient temperature range:** temperature at which a lighting product can be safely used and can meet the claimed rated life. Outside of this temperature range, the product might still operate, although the life could be reduced. **Stick T3 Mini Eco 6,000 hours ambient operating temperature 0-50°C**



Minimum starting temperature: the lowest temperature condition at which the product can reliably start at within 3sec at 230V.

Stick T3 Mini Eco 6,000 hours minimum starting temperature: 0°C

**220-240V
50Hz**

220-240V 50Hz: all lamps operate on 220-240 Volt (-10%; +6%), 50 Hertz



Enclosed fixture: usage in enclosed fixture may reduce life. Not recommended in totally enclosed fixture.

Website: instructions on how to dispose of lamps at end of life or in the case of accidental lamp breakage are available on the GE Lighting website.