GE
Lighting

WORLDWIDE PARTNER

DATA SHEET

Stick T3 Mini 10,000 hours

Compact Fluorescent Lamps Integrated

9W, 11W, 15W, 20W and 23W

Product information

The T3 10,000 hours Mini stick range offers low energy consumption in a compact size, along with additional benefits such as instant light-on and fast warm-up. 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 CO_2 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 ten 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.

- 10,000 hours life
- Small dimensions
- Fast warm-up
- Instant switch on feature
- 'A' energy class

Application areas

Stick T3 Mini 10,000 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 lamps are available in a full range of:

- 9, 11, 15, 20 and 23 wattages
- E14, E27, B22 caps
- Warm (2700K), Cool (4000K) and Daylight (6500K) colours
- Box and blister packs

GE imagination at work

Compliance

Standards

- IEC 60061-1: Lamp caps and holders together with gauges for the control of interchangeablity 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:

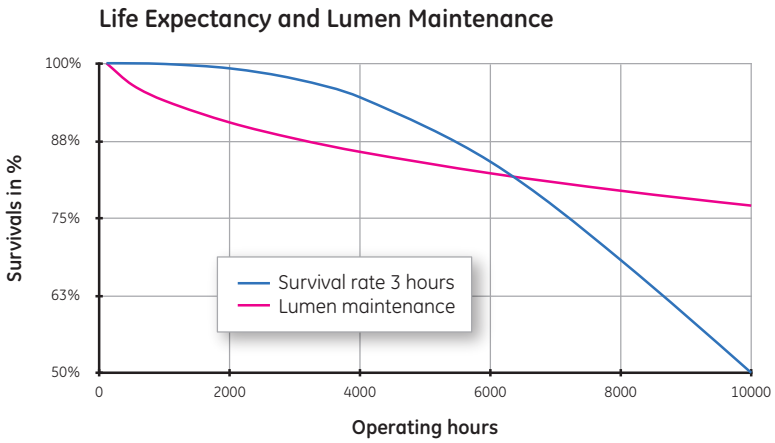
- CE mark: 93/68/EEC; LVD: 2006/95/EC; EMC: 2004/108/EC
- Energy Labelling: Directive 98/11/EC, 92/75/EEC on energy labelling of household lamps
- RoHS: Directive 2002/95/EC on Restrictions of the use of certain Hazardous Substances (RoHS)
- WEEE: Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE)
- REACH: Directive 2006/1907/EC on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- EuP household: Directive 2009/244/EC, 2005/32/EC on ecodesign requirements (of Energy-using Products) for non-directional household lamps

Basic data

Rated* Wattage [W]	Volts [V]	Cap	Product Description	Product Code Box pack	Product Code Blister pack	Lumen Rated* [lm]	CCT [K]	CRI [Ra]	Rated* Life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty	EuP Inca Watt Equivalent
9,0	220-240	E14	**FLE9TBX/T3/827/E14**	**88697**	**97059**	480	2700	82	10,000	119	44	A	8	43
9,0	220-240	E27	**FLE9TBX/T3/827/E27**	**88695**	**97060**	480	2700	82	10,000	115	44	A	8	43
9,0	220-240	B22	**FLE9TBX/T3/827/B22**	**88696**		480	2700	82	10,000	114	44	A	8	43
9,0	220-240	E14	**FLE9TBX/T3/840/E14**	**88700**		455	4000	82	10,000	119	44	A	10	41
9,0	220-240	E27	**FLE9TBX/T3/840/E27**	**88698**		455	4000	82	10,000	115	44	A	10	41
9,0	220-240	B22	**FLE9TBX/T3/840/B22**	**88699**		455	4000	82	10,000	114	44	A	10	41
9,0	220-240	E14	**FLE9TBX/T3/865/E14**	**88703**		455	6500	82	10,000	119	44	A	10	41
9,0	220-240	E27	**FLE9TBX/T3/865/E27**	**88701**		455	6500	82	10,000	115	44	A	10	41
9,0	220-240	B22	**FLE9TBX/T3/865/B22**	**88702**		455	6500	82	10,000	114	44	A	10	41
11,0	220-240	E14	**FLE11TBX/T3/827/E14**	**78690**	**97061**	660	2700	82	10,000	128	44	A	8	55
11,0	220-240	E27	**FLE11TBX/T3/827/E27**	**72689**	**97067**	660	2700	82	10,000	124	44	A	8	55
11,0	220-240	B22	**FLE11TBX/T3/827/B22**	**72690**		660	2700	82	10,000	123	44	A	8	55
11,0	220-240	E14	**FLE11TBX/T3/840/E14**	**88709**	**97068**	620	4000	82	10,000	128	44	A	10	52
11,0	220-240	E27	**FLE11TBXT3/840/E27**	**88707**	**97069**	620	6500	82	10,000	126	44	A	10	52
11,0	220-240	B22	**FLE11TBX/T3/840/B22**	**88708**		620	4000	82	10,000	123	44	A	10	52
11,0	220-240	E14	**FLE11TBX/T3/865/E14**	**88712**		620	6500	82	10,000	128	44	A	10	52
11,0	220-240	E27	**FLE11TBX/T3/865/E27**	**75730**		620	6500	82	10,000	124	44	A	8	52
11,0	220-240	B22	**FLE11TBX/T3/865/B22**	**75731**		620	6500	82	10,000	123	44	A	8	52
15,0	220-240	E27	**FLE15TBX/T3/827/E27**	**72688**	**97070**	850	2700	82	10,000	137.5	44	A	8	67
15,0	220-240	B22	**FLE15TBX/T3/827/B22**	**88713**		850	2700	82	10,000	136.5	44	A	8	67
15,0	220-240	E27	**FLE15TBX/T3/840/E27**	**88714**	**97081**	800	4000	82	10,000	137.5	44	A	10	64
15,0	220-240	B22	**FLE15TBX/T3/840/B22**	**88715**		800	4000	82	10,000	136.5	44	A	10	64
15,0	220-240	E27	**FLE15TBX/T3/865/E27**	**88716**		800	6500	82	10,000	137.5	44	A	10	64
15,0	220-240	B22	**FLE15TBX/T3/865/B22**	**88717**		800	6500	82	10,000	136.5	44	A	10	64
20,0	220-240	E27	**FLE20TBX/T3/827/E27**	**88718**	**97082**	1200	2700	82	10,000	149	44	A	8	88
20,0	220-240	B22	**FLE20TBX/T3/827/B22**	**88719**		1200	2700	82	10,000	148	44	A	8	88
20,0	220-240	E27	**FLE20TBX/T3/840/E27**	**88720**	**97083**	1152	4000	82	10,000	149	44	A	10	86
20,0	220-240	B22	**FLE20TBX/T3/840/B22**	**88721**		1152	4000	82	10,000	148	44	A	10	86
20,0	220-240	E27	**FLE20TBX/T3/865/E27**	**88722**		1152	6500	82	10,000	149	44	A	10	86
20,0	220-240	B22	**FLE20TBX/T3/865/B22**	**88723**		1152	6500	82	10,000	148	44	A	10	86
23,0	220-240	E27	**FLE23QBX/T3/827/E27**	**75268**	**97084**	1450	2700	82	10,000	145	48	A	8	103
23,0	220-240	B22	**FLE23QBX/T3/827/B22**	**75039**		1450	2700	82	10,000	144	48	A	8	103
23,0	220-240	E27	**FLE23QBX/T3/840/E27**	**97000**		1450	4000	82	10,000	145	48	A	8	103
23,0	220-240	B22	**FLE23QBX/T3/840/B22**	**97001**		1450	4000	82	10,000	144	48	A	8	103
23,0	220-240	E27	**FLE23QBX/T3/865/E27**	**97006**		1380	6500	82	10,000	145	48	A	8	99
23,0	220-240	B22	**FLE23QBX/T3/865/B22**	**97007**		1380	6500	82	10,000	144	48	A	8	99

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

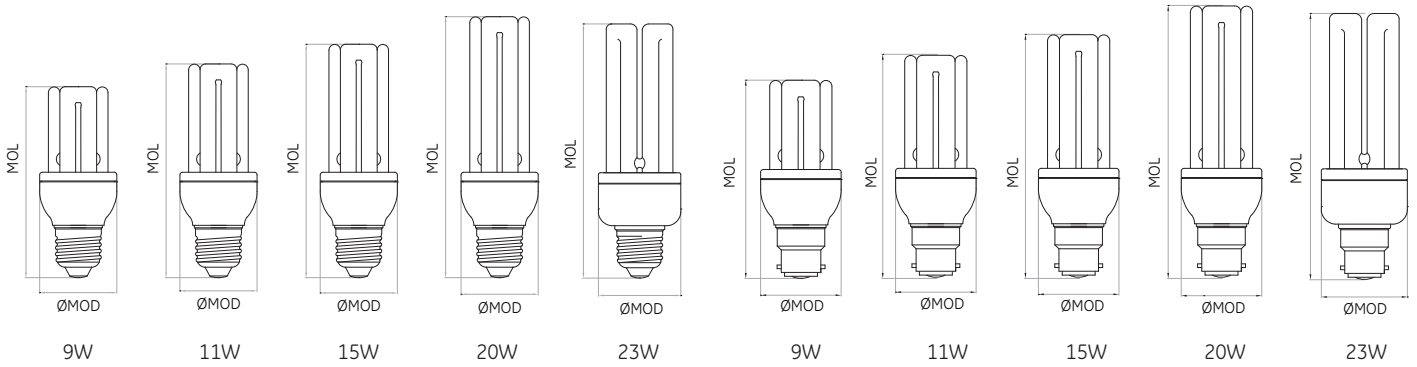
Survival rate and lumen maintenance



Hours	Survival rate 3 hours	Lumen maintenance
100	1.00	1.00
2,000	0.99	0.90
4,000	0.94	0.86
6,000	0.84	0.82
8,000	0.68	0.79
10,000	0.50	0.77

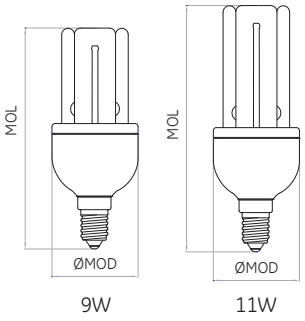
Test condition: 50Hz 230V 3 hours cycling - according to IEC60969

Dimensions



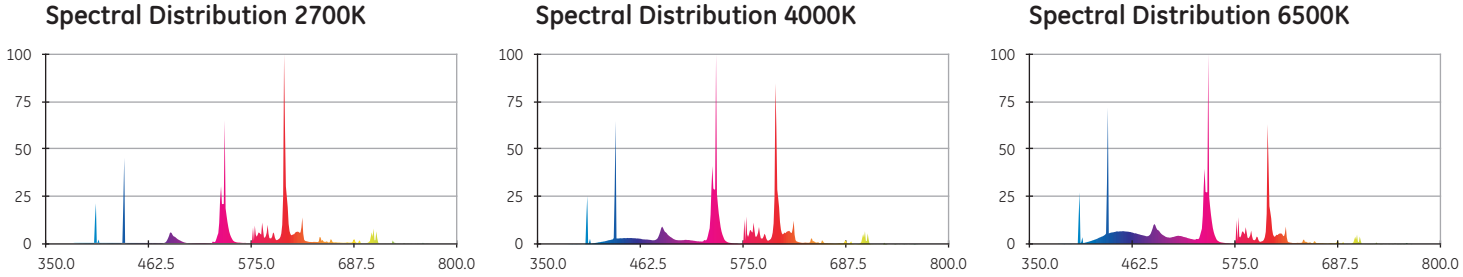
E27 cap		
	MOL [mm]	MOD [mm]
9W	115	44
11W	124	44
15W	137.5	44
20W	149	44
23W	145	48

B22 cap		
	MOL [mm]	MOD [mm]
9W	114	44
11W	123	44
15W	136.5	44
20W	148	44
23W	144	48



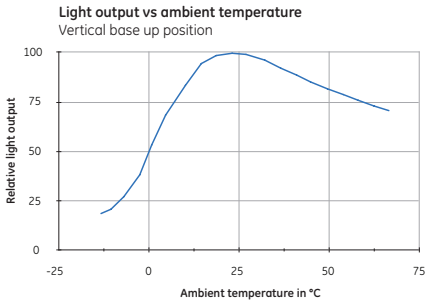
E14 cap		
	MOL [mm]	MOD [mm]
9W	119	44
11W	128	44

Spectral power distribution



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.



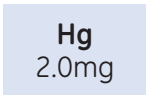
Additional information – EuP Compliance

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.

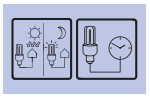
Starting time: the time needed for the lamp to start fully and remain alight. GE Lighting's CFL lamps are usually instant light on. Starting categories are: instant on (<0.3sec), quick (0.3-1sec), standard (1-1.5sec).
Stick T3 Mini 10,000 hours starting time: instant

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 10,000 hours: fast warm-up (<30sec)



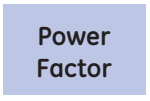
Mercury content: GE Lighting's CFL lamps contain a minimised level of mercury, some of our best-in class lamps as low as 0.9mg vs. the max. 5.0mg allowed by RoHS.
Stick T3 Mini 10,000 hours: mercury content 2.0mg

Dimming: not recommended to use with dimmers.

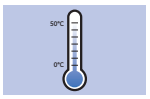


Timer, photo cell circuits: not suitable for use with electronically switched devices. Please refer to the device instructions.

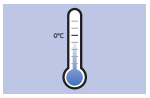
Switching cycle: switching endurance is a minimum 3000 cycles based on official EU standard – one minute on, three minutes off.
Stick T3 Mini 10,000 hours switching cycle: 5,000



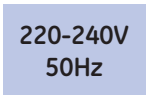
Power Factor: ratio of the measured active input power to the product of the supply voltage (r.m.s.) and the supply current (r.m.s.). measures how efficiently the current is being converted into real power. Lamps of power factor >0.9 are referred to as High Power Factor lamps, below that as Low Power Factor lamps. All CFL lamps above 25 watts sold in EU need to be High Power Factor lamp. **Stick T3 Mini 10,000 hours power factor: >0.5**



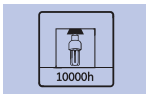
Ambient temperature range: temperature at which a lighting product can be safely used and can meet the claimed rated life. Outside of this temperature range, the product might still operate, although the life could be reduced. **Stick T3 Mini 10,000 hours ambient operating temperature range: -20-50°C**



Minimum starting temperature: the lowest temperature condition at which the product can reliably start at within 3sec at 230V.
Stick T3 Mini 10,000 hours minimum starting temperature: -20°C



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.