

LED T8 Basic

Tubular lamps

DATA SHEET



Product information

The GE LED T8 range offers safe, reliable and affordable energy saving alternatives to standard Fluorescent T8 lamps. Available in 60cm, 120cm and 150cm lengths, GE LED T8s can be quickly fitted as a replacement into luminaires operating on electro-magnetic control gear or on electronic gear with a simple re-wire (for further details see installation guide).

Applications



Offices



Industrial



Hospitality



Car Park

IEC standards

EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting
EN 61000-3-2	Limits for harmonic current emissions (equipment rated current $\leq 16A$)
EN 61000-3-3	Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current $\leq 16A$)
EN 61547	Specification for equipment for general lighting purposes. EMC Immunity requirements
EN 62493:2010	Assessment of lighting equipment related to human exposure to electromagnetic field
IEC 62471	Photo biological safety of lamps and lamp systems
IEC 60061-1	Lamp Caps
IEC 61195	IEC Based Safety Standard Requirements for Double-capped Fluorescent Lamps
IEC 60598-1	Luminaires – Part 1: General requirements and tests
IEC 60598-2	Luminaires – Part 2: Particular requirements (all sections)
IEC 62031	LED modules for general lighting-Safety specifications
IEC 61347-2-13	Particular requirements for DC or AC supplied electronic control gear for LED modules

Specification Features

- 40,000 hours L70 rated lifetime, reduced maintenance cost
- High energy saving, efficiency 100-111lm/W
- High uniformity of light, create elegant lighting atmosphere for retail & commercial applications
- Especially suitable for supermarket, high color rendering of fresh food to engage customers
- Environment friendly – no UV, no Hg
- Energy saving up to 60% (on mains connection versus T8 fluorescent lamps on electro-magnetic gear)
- High light output up to 3000lm
- Instant-on light
- High Power Factor: 0.9
- Wide 140-150° light distribution
- Compatible with existing installations



Specification summary

Rated Wattage	Length [mm]	CCT [K]	Cap Type	Product Description	Rated Lumens [lm]	Life B50 [hrs]	CRI [Ra]	Energy Efficiency Class	Pack Qty [pcs]	Product Code
8	600	3000	G13	LED 8/T8 BP 2ft/830/100 - 240V BX1/15	700	40,000	80	A+	15	93011198
8	600	4000	G13	LED 8/T8 BP 2ft/840/100 - 240V BX1/15	800	40,000	80	A+	15	93011195
8	600	6500	G13	LED 8/T8 BP 2ft/865/100 - 240V BX1/15	800	40,000	80	A+	15	93011196
10	600	3000	G13	LED 10/T8 BP 2ft/830/100 - 240V BX1/15	950	40,000	80	A+	15	93011296
10	600	4000	G13	LED 10/T8 BP 2ft/840/100 - 240V BX1/15	1050	40,000	80	A+	15	93011197
10	600	6500	G13	LED 10/T8 BP 2ft/865/100 - 240V BX1/15	1050	40,000	80	A+	15	93011305
16	1200	3000	G13	LED 16/T8 BP 4ft/830/100 - 240V BX1/15	1450	40,000	80	A+	15	93011304
16	1200	4000	G13	LED 16/T8 BP 4ft/840/100 - 240V BX1/15	1600	40,000	80	A+	15	93011303
16	1200	6500	G13	LED 16/T8 BP 4ft/865/100 - 240V BX1/15	1600	40,000	80	A+	15	93011302
20	1200	3000	G13	LED 20/T8 BP 4ft/830/100 - 240V BX1/15	1850	40,000	80	A+	15	93011301
20	1200	4000	G13	LED 20/T8 BP 4ft/840/100 - 240V BX1/15	2050	40,000	80	A+	15	93011200
20	1200	6500	G13	LED 20/T8 BP 4ft/865/100 - 240V BX1/15	2050	40,000	80	A+	15	93011199
27	1500	3000	G13	LED 27/T8 BP 5ft/830/100 - 240V BX1/15	3000	40,000	80	A+	15	93011309
27	1500	4000	G13	LED 27/T8 BP 5ft/840/100 - 240V BX1/15	3000	40,000	80	A+	15	93011310
27	1500	6500	G13	LED 27/T8 BP 5ft/865/100 - 240V BX1/15	3000	40,000	80	A+	15	93011311
27	1500	3000	G13R	LED 27/T8 BPR 5ft/830/100 - 240V BX1/15	3000	40,000	80	A+	15	93011312
27	1500	4000	G13R	LED 27/T8 BPR 5ft/840/100 - 240V BX1/15	3000	40,000	80	A+	15	93011313
27	1500	6500	G13R	LED 27/T8 BPR 5ft/865/100 - 240V BX1/15	3000	40,000	80	A+	15	93011314
27	1500	3000	G13	LED 27/T8 VP 5ft/830/100 - 240V BX1/15	2500	40,000	80	A+	15	93011306
27	1500	4000	G13	LED 27/T8 VP 5ft/840/100 - 240V BX1/15	2700	40,000	80	A+	15	93011307
27	1500	6500	G13	LED 27/T8 VP 5ft/865/100 - 240V BX1/15	2700	40,000	80	A+	15	93011308

Specifications

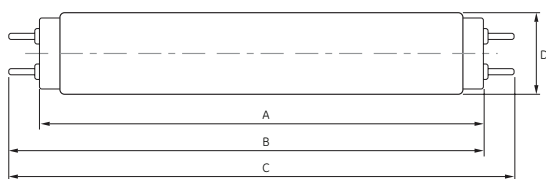
Nominal Voltage	100-240V
Operating frequency	50 - 60Hz
Power factor	≥ 0,90
Ambient temperature range	-20°C - +40°C
Starting time	< 0,5 s
Lumen maintenance at B50	70%
Beam angle	2ft/4ft/150°, 5ft/140°
Dimmable	No
CCT Steps	<6

Operation and maintenance

Store and use the lamps the same way as standard fluorescent lamps.

- Lamps should be kept free from contamination.
- Switch off mains supply before installing/removing lamp.
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamp.
- For magnetic gear system ensure existing fluorescent starter is replaced with LED T8 starter (included in each pack)
- For direct wire please check the provided installation instructions
- Use in fully enclosed fixtures may affect life performance.
- Not for use in emergency lighting circuits

Dimensions [mm]



Maximum overall length [mm]	2 ft	4 ft	5 ft
A	600	1200	1500
B	597	1207	1507
C	604	1214	1514
D	28	28	28
Weight [g]	<200	<260	<380