

LED T8 Premium Plastic Rotatable

Tubular lamps



DATA SHEET

Product information

The GE LED T8 Premium Plastic Rotatable range offers a safe, reliable and affordable energy saving alternative to 18W, 36W and 58W standard fluorescent T8 lamps. These highly efficient LED T8 tubes have an exceptionally high lumen output combined with 50,000-hour life span.

Available in 60cm, 120cm and 150cm lengths with rotatable end cap, GE LED T8 Premium plastic tubes can be quickly fitted as a replacement into luminaires operating on electro-magnetic control gear or directly connected to mains (for further details see installation guide).

Specification Features

- Outstanding light output 1080-3300lm
- High efficiency up to 122lm/W
- Energy saving up to 60% (on mains connection vs T8 fluorescent lamps on electro-magnetic gear)
- Rotatable caps allowing the tube to rotate by up to 120° to achieve the best light effect
- High uniformity of light, especially suitable for offices, retail, schools, public areas
- 50,000 hours L70 rated life time, reduced maintenance cost
- Instant-on light
- High Power Factor: 0,9<
- Wide 150° beam angle
- Environmentally friendly - no UV, no Hg
- Compatible with existing electro-magnetic gear installations

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 <=16A)
EN 61000-3-3	Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current <=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
IEC 62776	Double-capped LED lamps for general lighting services - Safety specifications

Electrical, Photometric and Lumen Maintenance test conducted as defined by IES LM-79-08 and IES LM-80-08 Test

Applications



Offices



Industrial



Hospitality



Car Park



GE imagination at work

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
10	600	3000	G13 Rot	LED 10/T8 PPR 2ft/830/100-240V BX1/10	1080	50,000	80+	A+	10	93038456
10	600	4000	G13 Rot	LED 10/T8 PPR 2ft/840/100-240V BX1/10	1200	50,000	80+	A+	10	93038457
10	600	6500	G13 Rot	LED 10/T8 PPR 2ft/865/100-240V BX1/10	1200	50,000	80+	A+	10	93038459
18	1200	3000	G13 Rot	LED 18/T8 PPR 4ft/830/100-240V BX1/10	1980	50,000	80+	A+	10	93038469
18	1200	4000	G13 Rot	LED 18/T8 PPR 4ft/840/100-240V BX1/10	2200	50,000	80+	A+	10	93038458
18	1200	6500	G13 Rot	LED 18/T8 PPR 4ft/865/100-240V BX1/10	2200	50,000	80+	A+	10	93038473
27	1500	3000	G13 Rot	LED 27/T8 PPR 5ft/830/100-240V BX1/10	3100	50,000	80+	A+	10	93038472
27	1500	4000	G13 Rot	LED 27/T8 PPR 5ft/840/100-240V BX1/10	3300	50,000	80+	A+	10	93038471
27	1500	6500	G13 Rot	LED 27/T8 PPR 5ft/865/100-240V BX1/10	3300	50,000	80+	A+	10	93038470

Specifications

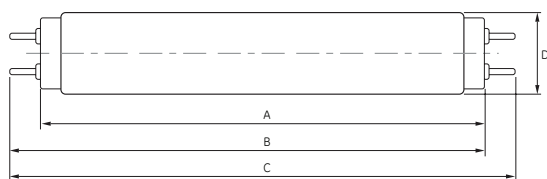
Nominal Voltage	100-240V
Operating frequency	50 - 60Hz
Power factor	≥ 0,90
Operating temperature range	-30°C - +40°C
Starting time	< 0,5 s
Lumen maintenance at B50	70%
Degree of light distribution	270°
Dimmable	No
CCT Steps	<6

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]	<135	<240	<300