LED T8 Premium Plastic Rotatable
Tubular lamps

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

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### 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]

![Diagram of dimensions]({{Dimensions.png}})

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| Weight [g] | <135 | <240 | <300 |