LED T8 Basic
Tubular lamps

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).

Specification Features
• 40,000 hours L70 rated lifetime, reduced maintenance cost
• High energy saving, efficiency 100-111 lm/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 3000 lm
• Instant-on light
• High Power Factor: 0.9
• Wide 140-150° light distribution
• Compatible with existing installations

Applications
- Offices
- Hospitality
- Industrial
- 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 <=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

GE imagnation at work
Specification summary

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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

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted.

LED T8 BP Tubular Lamps Data Sheet – October 2015

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