

LED T8 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 2'/60cm, 4'/120cm and 5'/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

Long-life and high efficiency

- Up to 50,000 hrs rated lifetime, reduced maintenance cost
- High Efficiency, up to 111 lm/w, increased energy saving

High Quality lighting effect

- 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

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
EN62493:2010	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

Features

- 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
- Long lifetime: up to 50,000 hours L70
- High Power Factor: 0.9
- Wide 130° light distribution
- Compatible with existing installations

Application areas



Office



Hospitality



Industrial



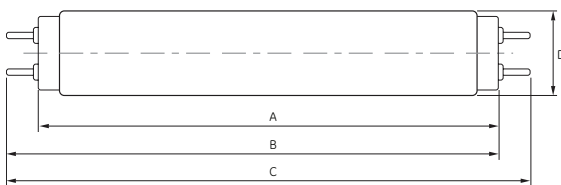
Car Park



Specification summary

Rated Wattage	Length (mm)	CCT (Kelvin)	CCT Steps	Product Description	Rated Luminous flux (lm)	Life B50 (hrs)	CRI (Ra)	Energy Efficiency Class	Pack Qty (pcs)	Product Code
LED T8 Energy saving range - G13 base										
9	600	4000	6	LED 9/T8 600MM/840/220-240V BX1/30	750	50 000	80	A+	30	90450
9	600	6500	6	LED 9/T8 600MM/865/220-240V BX1/30	800	50 000	80	A+	30	90451
18	1200	4000	6	LED 18/T8 1200MM/840/220-240V BX1/30	1550	50 000	80	A+	30	90455
18	1200	6500	6	LED 18/T8 1200MM/865/220-240V BX1/30	1650	50 000	80	A+	30	90456
LED T8 High output range - G13 base										
12	600	4000	6	LED 12/T8 600MM/840/220-240V BX1/30	1050	40 000	80	A+	30	90453
12	600	6500	6	LED 12/T8 600MM/865/220-240V BX1/30	1100	40 000	80	A+	30	90454
23	1200	4000	6	LED 23/T8 1200MM/840/220-240V BX1/30	2150	40 000	80	A+	30	90457
23	1200	6500	6	LED 23/T8 1200MM/865/220-240V BX1/30	2250	40 000	80	A+	30	90458
27	1500	4000	6	LED 27/T8 1500MM/840/220-240V BX1/30	3000	40 000	80	A+	20	90459
27	1500	6500	6	LED 27/T8 1500MM/865/220-240V BX1/30	3000	40 000	80	A+	20	90460

Dimensions



Maximum overall length (mm)	60cm (2ft)	120cm (4ft)	150cm (5ft)
A	600	1200	1500
B	597	1207	1507
C	604	1214	1514
D	28	28	28
Weight (g)	<210	<350	<450

Electrical and Photometric Characteristics

Nominal Voltage:	220-240V
Operating frequency:	50..60Hz
Power factor:	≥ 0,90
Ambient temperature range:	-20°C ...+40°C
Starting time:	< 0,5 s
Number of switching cycles:	80 000
Lumen maintenance at B50:	70%
Beam angle:	130°
Dimmable:	No

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

Spectral power distribution

Cool white - 4000K

Daylight - 6500K

