

LED T8 Universal

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 120cm length, GE LED T8 Universal tubes can be quickly fitted as a replacement into luminaires operating on electro-magnetic control gear or on electronic gear without any re-wiring (for further details see installation guide).

Specification Features

- Universal ballast compatibility - ECG/CCG/Mains
- Up to 40,000 hrs rated lifetime, reduced maintenance cost
- High energy saving, efficiency of 120lm/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

Features

- Energy saving more than 60% (on mains connection versus T8 fluorescent lamps on electro-magnetic gear)
- High light output up to 3000lm
- Long lifetime: up to 40,000 hours L70
- High Power Factor: 0.9
- Fast and safe installation without re-wiring
- Instant-on light

Applications



Offices



Industrial



Hospitality



Car Park

IEC standards

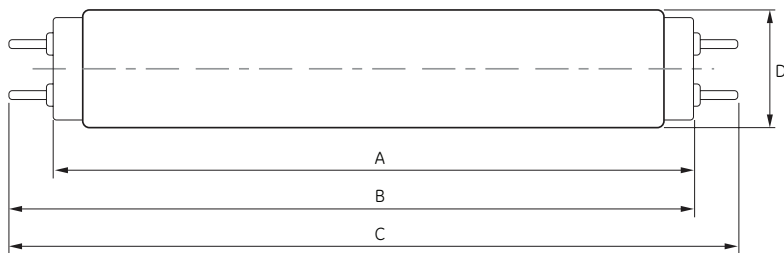
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting
EN 61000-3-2	Limits for harmonic current emissions (equipment rated current $\leq 16A$)
EN 61000-3-3	Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current $\leq 16A$)
EN 61547	Specification for equipment for general lighting purposes. EMC Immunity requirements
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



Specification summary

Rated Wattage	Length [mm]	CCT [K]	CCT Steps	Product Description	Rated Lumens [lm]	Life B50 [hrs]	CRI [Ra]	Energy Efficiency Class	Pack Qty [pcs]	Product Code
18	1200	3000	<6	LED 18/T8 PPU 4ft/830/100 - 277V BX1/10	1944	40,000	80	A+	10	93011778
18	1200	4000	<6	LED 18/T8 PPU 4ft/840/100 - 277V BX1/10	2160	40,000	80	A+	10	93011780
18	1200	6500	<6	LED 18/T8 PPU 4ft/865/100 - 277V BX1/10	2160	40,000	80	A+	10	93011779

Dimensions [mm]



Maximum overall length [mm]	120 cm
A	1200
B	1207
C	1214
D	28
Weight [g]	<350

Electrical and Photometric Characteristics

Nominal Voltage	100-277V
Operating frequency	50...60Hz
Power factor	≥ 0.90
Ambient temperature range	-20°C...+40°C
Starting time	<0.5s
Lumen maintenance at B50	70%
Beam angle	135°
Dimmable	No
Switching cycle	80,000

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