



DATA SHEET

LED T8 SG Glass

Tubular lamps

Product information

The GE LED T8 Start Glass range provides an attractive, entry-level alternative to standard Fluorescent T8 lamps. The innovative design delivers impressive light distribution and high efficiency, while at the same time ensuring rapid payback. Available in 60, 120 and 150 cm lengths, the affordable LED T8 Start Glass brings the benefits of tubular LED lighting to a wider range of applications.

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
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

Specification Features

- Compatible with existing electro-magnetic installations
- Energy saving up to 60% (on mains connection versus T8 fluorescent lamps on electro-magnetic gear)
- Efficiency 90-100 lm/W
- High uniformity of light, create a good general lighting atmosphere ideal for corridors, stairways, car parks, warehouses and supply rooms
- Wide 200° light distribution
- 20,000 hours L70 rated lifetime, reduced maintenance cost
- Switching cycle: 30.000
- Instant-on light
- High Power Factor: 0.9
- Environment friendly – no UV, no Hg



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
8	600	3000	<6	LED 8/T8 SG 2ft/830/100-240V BX1/15	720	20000	80	A+	15	93033886
8	600	4000	<6	LED 8/T8 SG 2ft/840/100-240V BX1/15	800	20000	80	A+	15	93033881
8	600	4000	<6	LED 8/T8 SG 2ft/840/100-240V BX1/15 DS	800	20000	80	A+	15	93033793
8	600	6500	<6	LED 8/T8 SG 2ft/865/100-240V BX1/15	800	20000	80	A+	15	93033880
8	600	6500	<6	LED 8/T8 SG 2ft/865/100-240V BX1/15 DS	800	20000	80	A+	15	93033792
16	1200	3000	<6	LED 16/T8 SG 4ft/830/100-240V BX1/15	1440	20000	80	A+	15	93033879
16	1200	4000	<6	LED 16/T8 SG 4ft/840/100-240V BX1/15	1600	20000	80	A+	15	93033878
16	1200	4000	<6	LED 16/T8 SG 4ft/840/100-240V BX1/15 DS	1600	20000	80	A+	15	93033883
16	1200	6500	<6	LED 16/T8 SG 4ft/865/100-240V BX1/15	1600	20000	80	A+	15	93033877
16	1200	6500	<6	LED 16/T8 SG 4ft/865/100-240V BX1/15 DS	1600	20000	80	A+	15	93033882
27	1500	3000	<6	LED 27/T8 SG 5ft/830/100-240V BX1/10	2430	20000	80	A+	10	93033876
27	1500	4000	<6	LED 27/T8 SG 5ft/840/100-240V BX1/10	2700	20000	80	A+	10	93033795
27	1500	4000	<6	LED 27/T8 SG 5ft/840/100-240V BX1/10 DS	2700	20000	80	A+	10	93033884
27	1500	6500	<6	LED 27/T8 SG 5ft/865/100-240V BX1/10	2700	20000	80	A+	10	93033794
27	1500	6500	<6	LED 27/T8 SG 5ft/865/100-240V BX1/10 DS	2700	20000	80	A+	10	93033885

Specifications

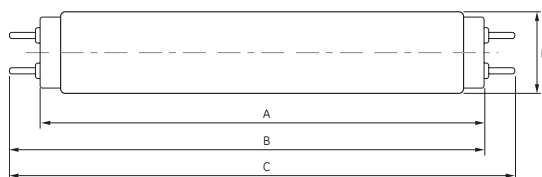
Nominal Voltage	100-240V
Operating frequency	50 - 60Hz
Power factor	≥ 0,90
Ambient temperature range	-20°C - +40°C
Starting time	< 0,5 s
Lumen maintenance at B50	70%
Beam angle	200°
Dimmable	No

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.

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
Net weight [g]		123	230	290