

LED T8 VG Glass

Tubular lamps

Product information

The LED T8 VG Glass range offers safe, reliable and affordable energy saving alternatives to standard Fluorescent T8 lamps. Available in 60cm, 120cm, 150cm and 180cm 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).

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

- 40,000 hours L70 rated lifetime, reduced maintenance cost
- High energy saving, efficiency 100-114 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)
- Switching cycle: 50.000
- Instant-on light
- High Power Factor: 0.9
- Wide 200° light distribution
- Compatible with existing installations



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 VG 2ft/830/100 - 240V BX1/15	700	40,000	80	A+	15	93013212
8	600	4000	<6	LED 8/T8 VG 2ft/840/100 - 240V BX1/15	800	40,000	80	A+	15	93013213
8	600	4000	<6	LED 8/T8 VG 2ft/840/100 - 240V BX1/15 DS	800	40,000	80	A+	15	93013183
8	600	6500	<6	LED 8/T8 VG 2ft/865/100 - 240V BX1/15	800	40,000	80	A+	15	93013213
8	600	6500	<6	LED 8/T8 VG 2ft/865/100 - 240V BX1/15 DS	800	40,000	80	A+	15	93013184
10	600	3000	<6	LED 10/T8 VG 2ft/830/100 - 240V BX1/15	950	40,000	80	A+	15	93013215
10	600	4000	<6	LED 10/T8 VG 2ft/840/100 - 240V BX1/15	1050	40,000	80	A+	15	93013220
10	600	6500	<6	LED 10/T8 VG 2ft/865/100 - 240V BX1/15	1050	40,000	80	A+	15	93013221
14,5	1200	3000	<6	LED 14,5/T8 VG 4ft/830/100 - 240V BX1/15	1450	40,000	80	A+	15	93013231
14,5	1200	4000	<6	LED 14,5/T8 VG 4ft/840/100 - 240V BX1/15	1650	40,000	80	A+	15	93013232
14,5	1200	4000	<6	LED 14,5/T8 VG 4ft/840/100 - 240V BX1/15 DS	1650	40,000	80	A+	15	93013186
14,5	1200	6500	<6	LED 14,5/T8 VG 4ft/865/100 - 240V BX1/15	1650	40,000	80	A+	15	93013232
14,5	1200	6500	<6	LED 14,5/T8 VG 4ft/865/100 - 240V BX1/15 DS	1650	40,000	80	A+	15	93013185
18	1200	3000	<6	LED 18/T8 VG 4ft/830/100 - 240V BX1/15	1850	40,000	80	A+	15	93013139
18	1200	4000	<6	LED 18/T8 VG 4ft/840/100 - 240V BX1/15	2050	40,000	80	A+	15	93013222
18	1200	6500	<6	LED 18/T8 VG 4ft/865/100 - 240V BX1/15	2050	40,000	80	A+	15	93013140
18	1500	3000	<6	LED 18/T8 VG 5ft/830/100 - 240V BX1/10	1850	40,000	80	A+	10	93013354
18	1500	4000	<6	LED 18/T8 VG 5ft/840/100 - 240V BX1/10	2050	40,000	80	A+	10	93013355
18	1500	6500	<6	LED 18/T8 VG 5ft/865/100 - 240V BX1/10	2050	40,000	80	A+	10	93013356
27	1500	3000	<6	LED 27/T8 VG 5ft/830/100 - 240V BX1/10	2500	40,000	80	A+	10	93013234
27	1500	4000	<6	LED 27/T8 VG 5ft/840/100 - 240V BX1/10	2700	40,000	80	A+	10	93013235
27	1500	6500	<6	LED 27/T8 VG 5ft/865/100 - 240V BX1/10	2700	40,000	80	A+	10	93013236
30	1800	3000	<6	LED 30/T8 VG 6ft/830/220-240V BX1/10	3300	40,000	80	A+	10	93040746
30	1800	4000	<6	LED 30/T8 VG 6ft/840/220-240V BX1/10	3600	40,000	80	A+	10	93040747
30	1800	6500	<6	LED 30/T8 VG 6ft/865/220-240V BX1/10	3600	40,000	80	A+	10	93040748

Specifications

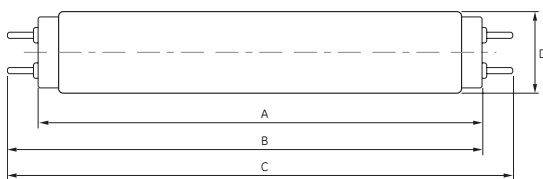
Nominal Voltage	8-27W: 100-240V, 30W: 220-240V
Operating frequency	50 - 60Hz
Power factor	≥ 0,90
Ambient temperature range	-20°C - +40°C
Starting time	< 0,5 s
Lumen maintenance at B50	70%
Beam angle	200°
Number of switching cycle	50 000
Dimmable	No

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]	2ft	4ft	5ft	6ft
A	600	1200	1500	1763.8
B	597	1207	1507	1770.9
C	604	1214	1514	1778
D	28	28	28	28
Net weight [g]	130	240	310	350

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