

# LED T8 Value Glass

Tubular lamps

DATA SHEET



## 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, Tungsram LED T8s can be quickly fitted as a replacement into luminaires operating on electro-magnetic control gear or 100-240VAC connection with a simple re-wire (for further details see installation guide).

## Features

- 50.000 hours L70 rated lifetime, reduced maintenance cost
- High energy saving, efficiency 125 lm/W
- Switching cycle: 50.000
- Instant-on light
- High Power Factor:  $\geq 0,9$
- Wide 200° light distribution
- Compatible with existing installations

## Benefits

- 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
- Energy saving up to 60% (AC-connected LED vs LFL on EM ballast)
- Environment friendly – no UV and no Mercury content

## 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	Photobiological safety of lamps and lamp systems
IEC 60061-1	Lamp Caps
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

## Application areas



Hospitality



Industrial



Car park



Office

## Specification summary

Nominal/ Rated Power (W)	Length (mm)	CCT (K)	Cap/ Base	Product Description	Nominal/ Rated Lumens (lm)	Nominal/ Rated Life (L70/B50 hours)	CRI	Pack Qty	EEC	Product Code
8	600	3000	G13	LEDT8 VG 0.6m 8W 830 100-240V 1/15 TU	950	50.000	80	15	A++	93112599
8	600	4000	G13	LEDT8 VG 0.6m 8W 840 100-240V 1/15 TU	1000	50.000	80	15	A++	93112600
8	600	6500	G13	LEDT8 VG 0.6m 8W 865 100-240V 1/15 TU	1000	50.000	80	15	A++	93112601
14	1200	4000	G13	LEDT8 VG 1.2m 14W 840 100-240V 1/15 TU	1750	50.000	80	15	A++	93112602
14	1200	6500	G13	LEDT8 VG 1.2m 14W 865 100-240V 1/15 TU	1750	50.000	80	15	A++	93112603
17	1200	3000	G13	LEDT8 VG 1.2m 17W 830 100-240V 1/15 TU	2000	50.000	80	15	A+	93112604
17	1200	4000	G13	LEDT8 VG 1.2m 17W 840 100-240V 1/15 TU	2100	50.000	80	15	A++	93112605
17	1200	6500	G13	LEDT8 VG 1.2m 17W 865 100-240V 1/15 TU	2100	50.000	80	15	A++	93112866
24	1500	3000	G13	LEDT8 VG 1.5m 24W 830 100-240V 1/10 TU	3000	50.000	80	10	A++	93114776
24	1500	4000	G13	LEDT8 VG 1.5m 24W 840 100-240V 1/10 TU	3100	50.000	80	10	A++	93114777
24	1500	6500	G13	LEDT8 VG 1.5m 24W 865 100-240V 1/10 TU	3100	50.000	80	10	A++	93114778
24	1800	3000	G13	LEDT8 VG 1.8m 24W 830 100-240V 1/10 TU	3000	50.000	80	10	A++	93116715
24	1800	4000	G13	LEDT8 VG 1.8m 24W 840 100-240V 1/10 TU	3100	50.000	80	10	A++	93116716
24	1800	6500	G13	LEDT8 VG 1.8m 24W 865 100-240V 1/10 TU	3100	50.000	80	10	A++	93116717
26	1800	3000	G13	LEDT8 VG 1.8m 26W 830 220-240V 1/10 TU	3300	50.000	80	10	A++	93117785
26	1800	4000	G13	LEDT8 VG 1.8m 26W 840 220-240V 1/10 TU	3600	50.000	80	10	A++	93117796
26	1800	6500	G13	LEDT8 VG 1.8m 26W 865 220-240V 1/10 TU	3600	50.000	80	10	A++	93117797
8	600	3000	G13	LEDT8 VG 0.6m 8W 830 100-240V 1/15 TUDS	950	50.000	80	15	A++	93112867
8	600	4000	G13	LEDT8 VG 0.6m 8W 840 100-240V 1/15 TUDS	1000	50.000	80	15	A++	93112868
8	600	6500	G13	LEDT8 VG 0.6m 8W 865 100-240V 1/15 TUDS	1000	50.000	80	15	A++	93112869
14	1200	4000	G13	LEDT8 VG 1.2m 14W 840 100-240V 1/15 TUDS	1750	50.000	80	15	A++	93112870
14	1200	6500	G13	LEDT8 VG 1.2m 14W 865 100-240V 1/15 TUDS	1750	50.000	80	15	A++	93112871
17	1200	3000	G13	LEDT8 VG 1.2m 17W 830 100-240V 1/15 TUDS	2000	50.000	80	15	A+	93112872
17	1200	4000	G13	LEDT8 VG 1.2m 17W 840 100-240V 1/15 TUDS	2100	50.000	80	15	A++	93112873
17	1200	6500	G13	LEDT8 VG 1.2m 17W 865 100-240V 1/15 TUDS	2100	50.000	80	15	A++	93112874
24	1500	3000	G13	LEDT8 VG 1.5m 24W 830 100-240V 1/10 TUDS	3000	50.000	80	10	A++	93114783
24	1500	4000	G13	LEDT8 VG 1.5m 24W 840 100-240V 1/10 TUDS	3100	50.000	80	10	A++	93114784
24	1500	6500	G13	LEDT8 VG 1.5m 24W 865 100-240V 1/10 TUDS	3100	50.000	80	10	A++	93114785
24	1800	3000	G13	LEDT8 VG 1.8m 24W 830 100-240V 1/10 TUDS	3000	50.000	80	10	A++	93116718
24	1800	4000	G13	LEDT8 VG 1.8m 24W 840 100-240V 1/10 TUDS	3100	50.000	80	10	A++	93116719
24	1800	6500	G13	LEDT8 VG 1.8m 24W 865 100-240V 1/10 TUDS	3100	50.000	80	10	A++	93116720
26	600	3000	G13	LEDT8 VG 1.8m 26W 830 220-240V 1/10TUDS	3300	50.000	80	10	A++	93117798
26	600	4000	G13	LEDT8 VG 1.8m 26W 840 220-240V 1/10TUDS	3600	50.000	80	10	A++	93117799
26	600	6500	G13	LEDT8 VG 1.8m 26W 865 220-240V 1/10TUDS	3600	50.000	80	10	A++	93117800

## Specifications

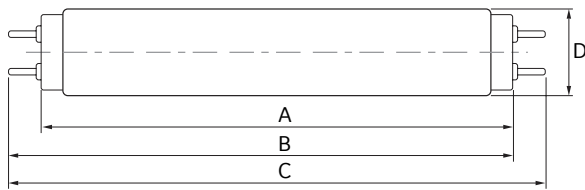
<b>Nominal Voltage</b>	100-240V
<b>Operating frequency</b>	50/60Hz
<b>Power factor</b>	≥ 0,90
<b>Operating temperature range</b>	8-24W: -30...+50°C 24W (1.8m): -20...+40°C 26W: -30...+50°C
<b>Starting time</b>	< 0,5 s
<b>Lumen maintenance at B50</b>	70%
<b>Beam angle</b>	200°
<b>Number of switching cycle</b>	50.000
<b>Dimmable</b>	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
<b>A</b>	589,8	1199,4	1500	1763,8
<b>B</b>	595,9	1206,5	1507,1	1770,9
<b>C</b>	604,0	1213,6	1514,2	1778,0
<b>D</b>	28,0	28,0	28,0	28,0
<b>Net weight (g)</b>	130	240	310	350