

# 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 and 150cm lengths, 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: 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	Brand
8	600	3000	G13	LED T8 VG 0.6m 8W 830 100-240V TU SA	1000	50 000	80+	15	A	93117115	Tungsrām
8	600	4000	G13	LED T8 VG 0.6m 8W 840 100-240V TU SA	1000	50 000	80+	15	A	93117398	Tungsrām
8	600	6500	G13	LED T8 VG 0.6m 8W 865 100-240V TU SA	1000	50 000	80+	15	A	93116782	Tungsrām
14	1200	4000	G13	LED T8 VG 1.2m 14W 840 100-240V TU SA	1750	50 000	80+	15	A	93117399	Tungsrām
14	1200	6500	G13	LED T8 VG 1.2m 14W 865 100-240V TU SA	1750	50 000	80+	15	A	93116783	Tungsrām
17	1200	3000	G13	LED T8 VG 1.2m 17W 830 100-240V TU SA	2100	50 000	80+	15	A	93117117	Tungsrām
17	1200	4000	G13	LED T8 VG 1.2m 17W 840 100-240V TU SA	2100	50 000	80+	15	A	93117400	Tungsrām
17	1200	6500	G13	LED T8 VG 1.2m 17W 865 100-240V TU SA	2100	50 000	80+	15	A	93116785	Tungsrām
24	1500	3000	G13	LED T8 VG 1.5m 24W 830 100-240V TU SA *	3000	50 000	80+	10	A	93117539	Tungsrām
24	1500	4000	G13	LED T8 VG 1.5m 24W 840 100-240V TU SA *	3000	50 000	80+	10	A	93117540	Tungsrām
24	1500	6500	G13	LED T8 VG 1.5m 24W 865 100-240V TU SA *	3000	50 000	80+	10	A	93117541	Tungsrām

\* Expected availability: Q3/2020

## Specifications

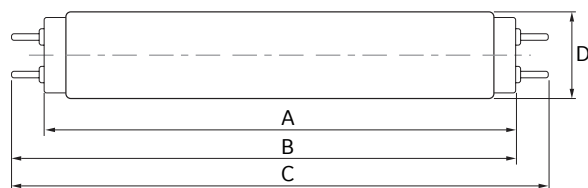
<b>Nominal Voltage</b>	100-240V
<b>Operating frequency</b>	50/60Hz
<b>Power factor</b>	≥ 0,90
<b>Operating temperature range</b>	-30°C ...+50°C
<b>Starting time</b>	< 0,5 s
<b>Lumen maintenance at B50</b>	70%
<b>Beam angle</b>	200°
<b>Number of switching cycle</b>	50 000
<b>Dimmable</b>	No

## 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
<b>A</b>	589,8	1199,4	1500,0
<b>B</b>	595,9	1206,5	1507,1
<b>C</b>	604,0	1213,6	1514,2
<b>D</b>	28	28	28
<b>Net weight (g)</b>	130	240	310