

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 220-240VAC 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 up to 129 lm/W
- Switching cycle: 50.000
- Instant-on light
- Displacement 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
- 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

Product Code	Product Code DS	Lamp Description	Power (W)	Length (mm)	CCT	Cap/ Base	Nominal/ Rated Lumens (lm)	Nominal/ Rated Life (L70/B50 hours)	CRI	Pack Qty	EEC
93120607	93120622	LEDT8 VG 0.6m 8W 830 220-240V 1/15 TU	8	604	3000	G13	950	50000	80	15	E
93120608	93120623	LEDT8 VG 0.6m 8W 840 220-240V 1/15 TU	8	604	4000	G13	1000	50000	80	15	E
93120609	93120624	LEDT8 VG 0.6m 8W 865 220-240V 1/15 TU	8	604	6500	G13	1000	50000	80	15	E
93120610	93120625	LEDT8 VG 1.2m 14W 830 220-240V 1/15 TU	14	1214	3000	G13	1650	50000	80	15	E
93120611	93120626	LEDT8 VG 1.2m 14W 840 220-240V 1/15 TU	14	1214	4000	G13	1750	50000	80	15	E
93120612	93120627	LEDT8 VG 1.2m 14W 865 220-240V 1/15 TU	14	1214	6500	G13	1750	50000	80	15	E
93120613	93120628	LEDT8 VG 1.2m 17W 830 220-240V 1/15 TU	17	1214	3000	G13	2000	50000	80	15	E
93120614	93120629	LEDT8 VG 1.2m 17W 840 220-240V 1/15 TU	17	1214	4000	G13	2100	50000	80	15	E
93120615	93120630	LEDT8 VG 1.2m 17W 865 220-240V 1/15 TU	17	1214	6500	G13	2100	50000	80	15	E
93120616	93120631	LEDT8 VG 1.5m 24W 830 220-240V 1/10 TU	24	1514	3000	G13	3000	50000	80	10	E
93120617	93120632	LEDT8 VG 1.5m 24W 840 220-240V 1/10 TU	24	1514	4000	G13	3100	50000	80	10	E
93120618	93120633	LEDT8 VG 1.5m 24W 865 220-240V 1/10 TU	24	1514	6500	G13	3100	50000	80	10	E
93120619	93120634	LEDT8 VG 1.8m 24W 830 220-240V 1/10 TU	24	1778	3000	G13	3000	50000	80	10	E
93120620	93120635	LEDT8 VG 1.8m 24W 840 220-240V 1/10 TU	24	1778	4000	G13	3100	50000	80	10	E
93120621	93120636	LEDT8 VG 1.8m 24W 865 220-240V 1/10 TU	24	1778	6500	G13	3100	50000	80	10	E

Energy efficiency class (A-G)*



*according to regulation 2019/2015

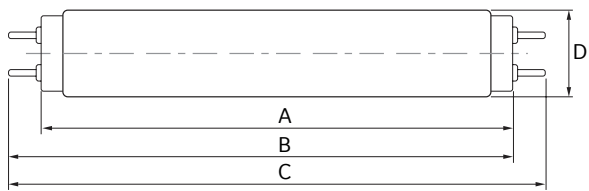
Specifications

Nominal Voltage	220-240V
Operating frequency	50/60Hz
Displacement factor	≥ 0,90
Operating temperature range	-20 - +40°C
Starting time	< 0,5 s
Lumen maintenance at B50	70%
Color consistency	6 steps
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	589,8	1199,4	1500	1763,8
B	595,9	1206,5	1507,1	1770,9
C	604,0	1213,6	1514,2	1778,0
D	28,0	28,0	28,0	28,0
Net weight (g)	96	190	226	260