

LED T8 SG / Start Glass

Tubular lamps

DATA SHEET



Product information

The Tungsram 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.

Application areas



Hospitality



Industrial



Car park



Office

Features

- Compatible with existing electro-magnetic installations
- Energy saving up to 60% (on mains connection versus T8 fluorescent lamps on electro-magnetic gear)
- Efficiency 94-102 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
- 15 000 hours L70 rated lifetime, reduced maintenance cost
- Switching cycle: 30 000
- Instant-on light
- Environment friendly – no UV, no Hg

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 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 summary

Nominal/ Rated Power (W)	Length (mm)	CCT (K)	Cap/ Base	CCT steps	Product Description	Nominal/ Rated Lumens (lm)	Nominal/ Rated Life (L70/B50 hours)	CRI	EEC	Pack qty	Product Code
8	600	3000	G13	<6	LED T8 SG 0.6m 8W 830 220-240V 1/15 TU	750	15 000	80	A+	15	93117321
8	600	4000	G13	<6	LED T8 SG 0.6m 8W 840 220-240V 1/15 TU	800	15 000	80	A+	15	93117322
8	600	6500	G13	<6	LED T8 SG 0.6m 8W 865 220-240V 1/15 TU	800	15 000	80	A+	15	93117323
16	1200	3000	G13	<6	LED T8 SG 1.2m 16W 830 220-240V 1/15 TU	1550	15 000	80	A+	15	93117324
16	1200	4000	G13	<6	LED T8 SG 1.2m 16W 840 220-240V 1/15 TU	1600	15 000	80	A+	15	93117325
16	1200	6500	G13	<6	LED T8 SG 1.2m 16W 865 220-240V 1/15 TU	1600	15 000	80	A+	15	93117356
20	1500	3000	G13	<6	LED T8 SG 1.5m 20W 830 220-240V 1/15 TU	2000	15 000	80	A+	15	93117357
20	1500	4000	G13	<6	LED T8 SG 1.5m 20W 840 220-240V 1/15 TU	2050	15 000	80	A+	15	93117358
20	1500	6500	G13	<6	LED T8 SG 1.5m 20W 865 220-240V 1/15 TU	2050	15 000	80	A+	15	93117359
8	600	3000	G13	<6	LED T8 SG 0.6m 8W 830 220-240V 1/15 TUDS	750	15 000	80	A+	15	93117360
8	600	4000	G13	<6	LED T8 SG 0.6m 8W 840 220-240V 1/15 TUDS	800	15 000	80	A+	15	93117361
8	600	6500	G13	<6	LED T8 SG 0.6m 8W 865 220-240V 1/15 TUDS	800	15 000	80	A+	15	93117362
16	1200	3000	G13	<6	LED T8 SG 1.2m 16W 830 220-240V 1/15TUDS	1550	15 000	80	A+	15	93117363
16	1200	4000	G13	<6	LED T8 SG 1.2m 16W 840 220-240V 1/15TUDS	1600	15 000	80	A+	15	93117364
16	1200	6500	G13	<6	LED T8 SG 1.2m 16W 865 220-240V 1/15TUDS	1600	15 000	80	A+	15	93117365
20	1500	3000	G13	<6	LED T8 SG 1.5m 20W 830 220-240V 1/15TUDS	2000	15 000	80	A+	15	93117366
20	1500	4000	G13	<6	LED T8 SG 1.5m 20W 840 220-240V 1/15TUDS	2050	15 000	80	A+	15	93117367
20	1500	6500	G13	<6	LED T8 SG 1.5m 20W 865 220-240V 1/15TUDS	2050	15 000	80	A+	15	93117368
8	600	3000	G13	<6	LED 8/T8SG TU 15k 0.6m/830/220-240V	750	15 000	80	A+	15	93092509
8	600	4000	G13	<6	LED 8/T8SG TU 15k 0.6m/840/220-240V	800	15 000	80	A+	15	93092510
8	600	6500	G13	<6	LED 8/T8SG TU 15k 0.6m/865/220-240V	800	15 000	80	A+	15	93092511
16	1200	3000	G13	<6	LED 16/T8SG TU 15k 1.2m/830/220-240V	1550	15 000	80	A+	15	93092512
16	1200	4000	G13	<6	LED 16/T8SG TU 15k 1.2m/840/220-240V	1600	15 000	80	A+	15	93092513
16	1200	6500	G13	<6	LED 16/T8SG TU 15k 1.2m/865/220-240V	1600	15 000	80	A+	15	93092514
20	1500	3000	G13	<6	LED 20/T8SG TU 15k 1.5m/830/220-240V	2000	15 000	80	A+	15	93092515
20	1500	4000	G13	<6	LED 20/T8SG TU 15k 1.5m/840/220-240V	2050	15 000	80	A+	15	93092516
20	1500	6500	G13	<6	LED 20/T8SG TU 15k 1.5m/865/220-240V	2050	15 000	80	A+	15	93092517
8	600	3000	G13	<6	LED 8/T8SG TU 15k 0.6m/830/220-240V DS	750	15 000	80	A+	15	93092518
8	600	4000	G13	<6	LED 8/T8SG TU 15k 0.6m/840/220-240V DS	800	15 000	80	A+	15	93092519
8	600	6500	G13	<6	LED 8/T8SG TU 15k 0.6m/865/220-240V DS	800	15 000	80	A+	15	93092520
16	1200	3000	G13	<6	LED 16/T8SG TU 15k 1.2m/830/220-240V DS	1550	15 000	80	A+	15	93092521
16	1200	4000	G13	<6	LED 16/T8SG TU 15k 1.2m/840/220-240V DS	1600	15 000	80	A+	15	93092522
16	1200	6500	G13	<6	LED 16/T8SG TU 15k 1.2m/865/220-240V DS	1600	15 000	80	A+	15	93092523
20	1500	3000	G13	<6	LED 20/T8SG TU 15k 1.5m/830/220-240V DS	2000	15 000	80	A+	15	93092524
20	1500	4000	G13	<6	LED 20/T8SG TU 15k 1.5m/840/220-240V DS	2050	15 000	80	A+	15	93092525
20	1500	6500	G13	<6	LED 20/T8SG TU 15k 1.5m/865/220-240V DS	2050	15 000	80	A+	15	93092526
8	600	3000	G13	<6	LED T8 SG 0.6m 8W 830 220-240V TU SA	750	15 000	80	A+	15	93117118
8	600	4000	G13	<6	LED T8 SG 0.6m 8W 840 220-240V TU SA	800	15 000	80	A+	15	93117119
8	600	6500	G13	<6	LED T8 SG 0.6m 8W 865 220-240V TU SA	800	15 000	80	A+	15	93117120
16	1200	3000	G13	<6	LED T8 SG 1.2m 16W 830 220-240V TU SA	1550	15 000	80	A+	15	93117121
16	1200	4000	G13	<6	LED T8 SG 1.2m 16W 840 220-240V TU SA	1600	15 000	80	A+	15	93117122
16	1200	6500	G13	<6	LED T8 SG 1.2m 16W 865 220-240V TU SA	1600	15 000	80	A+	15	93117123
20	1500	3000	G13	<6	LED T8 SG 1.5m 20W 830 220-240V TU SA	2000	15 000	80	A+	15	93117124
20	1500	4000	G13	<6	LED T8 SG 1.5m 20W 840 220-240V TU SA	2050	15 000	80	A+	15	93117125
20	1500	6500	G13	<6	LED T8 SG 1.5m 20W 865 220-240V TU SA	2050	15 000	80	A+	15	93117126

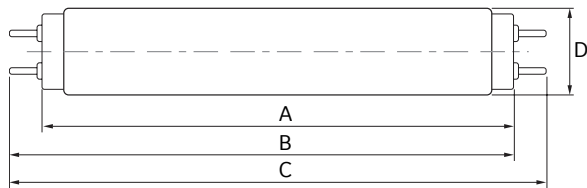
Specifications

Nominal Voltage	220-240V
Operating frequency	50/60Hz
Power factor	> 0,50
Ambient temperature range	-20°C – +40°C
Starting time	< 0.5 sec
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 (not included).
 - 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
A	600	1200	1500
B	597	1207	1507
C	604	1214	1514
D	28	28	28
Net weight (g)	123	230	290