

# LED T8 SG 15,000hrs

## Tubular lamps

DATA SHEET



### Product information

The LED T8 Start Glass 15,000 hour 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 150cm lengths, the affordable LED T8 Start Glass brings the benefits of tubular LED lighting to a wider range of applications.

### Features & benefits

- Compatible with existing electro-magnetic installations
- Energy saving up to 60% (on mains connection versus T8 fluorescent lamps on electro-magnetic gear)
- Efficiency 100-103 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: 20.000
- Instant-on light
- Environment friendly – no UV, no Hg

### Application areas



Hospitality



Industrial



Car park



Office

### 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 summary

Rated Wattage (W)	Length (mm)	CCT (K)	Cap Type	Product description	Rated Luminous flux (lm)	Life L70 (hrs)	CRI (Ra)	Energy efficiency class	Pack (pcs)	Product Code
8	600	3000	G13	LED 8/T8SG 15k 0.6m/830/220-240V	750	15 000	80+	A+	15	93088826
8	600	4000	G13	LED 8/T8SG 15k 0.6m/840/220-240V	800	15 000	80+	A+	15	93088827
8	600	6500	G13	LED 8/T8SG 15k 0.6m/865/220-240V	800	15 000	80+	A+	15	93088828
16	1200	3000	G13	LED 16/T8SG 15k 1.2m/830/220-240V	1550	15 000	80+	A+	15	93088829
16	1200	4000	G13	LED 16/T8SG 15k 1.2m/840/220-240V	1600	15 000	80+	A+	15	93088830
16	1200	6500	G13	LED 16/T8SG 15k 1.2m/865/220-240V	1600	15 000	80+	A+	15	93088831
20	1500	3000	G13	LED 20/T8SG 15k 1.5m/830/220-240V	2000	15 000	80+	A+	15	93088832
20	1500	4000	G13	LED 20/T8SG 15k 1.5m/840/220-240V	2050	15 000	80+	A+	15	93088833
20	1500	6500	G13	LED 20/T8SG 15k 1.5m/865/220-240V	2050	15 000	80+	A+	15	93088834

## Specifications

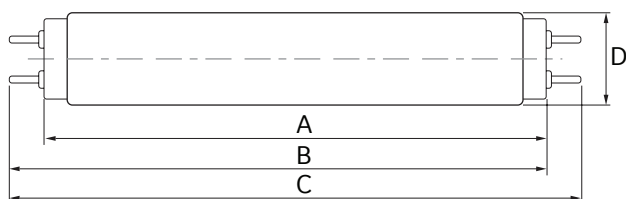
<b>Nominal Voltage</b>	220-240V
<b>Operating frequency</b>	50 - 60Hz
<b>Power factor</b>	> 0.50
<b>Ambient temperature range</b>	-20°C - +40°C
<b>Starting time</b>	< 0,5 s
<b>Lumen maintenance at B50</b>	70%
<b>Beam angle</b>	200°
<b>Dimmable</b>	No

## 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 (not included in the pack) before the LED tube is placed into the fixture
- For direct wire please check the provided installation instructions.
- Presence of power shifting capacitor in the system may significantly lower the power factor of the system
- Not suitable for direct replacement of fluorescent tubes in luminaires where lamps are connected in series.
- Use in fully enclosed fixtures may affect life performance.
- Not for use in emergency lighting circuits.

## Dimensions (mm)



Maximum overall length [mm]	2 ft	4 ft	5 ft
<b>A</b>	600	1200	1500
<b>B</b>	597	1207	1507
<b>C</b>	604	1214	1514.2
<b>D</b>	28	28	28
<b>Net weight [g]</b>	110	205	260