

**Solar Panel Energy**  
Tel 083 544 2484 / 084 442 4235  
sales@solarpanelenergy.co.za  
www.solarpanelenergy.co.za



*Innovation through Illumination*

## T8 LED - GREEN SERIES

The Green series LED Tubes is an affordable high quality LED Tube manufactured in South Africa. A linear fluorescent replacement providing savings in excess of 40%, delivering over 90 lumens per watt at superior colour quality.

The Green series LED Tubes is available in 6000K & 4000K Colour temperatures. The T8 lamp is easy to install and fits into linear fluorescent fixtures, making it a perfect economical upgrade solution where energy savings, quality light and luminaire longevity are essential



## GREEN SERIES T8 LED TUBE FEATURES

- CRI: 75+ accurately reproducing the colour of the environment.
- Efficacy: 90 lm/w at an average power factor of 0.97
- Lamp Delivered Light Output : 810 - 2160 lumens per LED lamp (dependant on lamp size & CCT)
- CCT Available: 4000K and 6000K
- Lamp Watts: 9W(600mm), 18W(1200mm), 24W(1500mm).
- Input Voltage: 100-277 VAC
- Guaranteed 3 Year driver life span

## T8 LED Tube Benefits

- Upgrades existing T8 fluorescent lamps to a more energy efficient eco friendly alternative.
- Universally compatible with most existing T8 Fittings, offering the ultimate in flexibility.
- Flicker free, UV Free and Infrared free.
- Up to 50% energy savings with a payback of less than 2 years compared to ineffective fluorescents
- Virtually eliminates costly re-lamping, offering significant maintenance savings
- 75+ CRI renders colours accurately and consistently throughout the lamps lifetime.

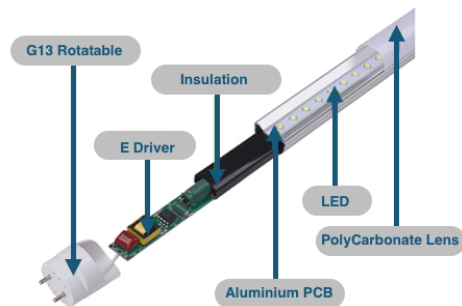
# T8 LED - GREEN SERIES

Each Led Tube will undergo as much as 8 hours of quality control before leaving the plant.



## Construction & Materials

- Durable lightweight aluminium alloy heat sink housing providing an advanced cooling system ensuring the longevity of luminaire.
- Shatterproof design, which is free of glass and mercury.
- Dow Corning adhesive (USA)
- 99% Gold pure gold wire LED chips
- Intematix phosphors
- 24lm 0.2W 2835 LED (F. Current 150mA, F. Voltage 3.2V)
- Impact Resistant Polycarbonate lens
- Hazard free Model 2835 LED.



## Optic Distribution

- Specialised Polycarbonate lens designed for optimal light distribution and a smooth visual effect.
- A light weight thermoplastic specifically sourced to reduce glare.
- 150° Beam angle distribution.
- Measured and designed in accordance to achieve optimal light performance in existing fluorescent fittings.
- LEDs (IEC 62471 certification) Free of blue light hazard.

## Electrical System

- High-efficiency Constant Current Driver
- Output 30V -85V
- CE-EMC Certification Rohs compliant
- Driver to remodulate current to LEDs
- Power Factor: = 0.97 nominal
- Input Voltage: 100-277V, 50/60Hz
- Operating Temperature Range: -25°C - + 45°C
- Total Harmonic Distortion: < 15%
- Durable Long life electrolytic capacitors
- RF interference Free



# T8 LED - GREEN SERIES

Made in South Africa

## 600mm T8 LED TUBE



Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8G26	T8 600mm 6000K	9W	6000K-6500K	0.97	810lm	75
T8G24	T8 600mm 4000K	9W	3900K-4200K	0.97	790lm	75

## 1200mm T8 LED TUBE



Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8G46	T8 1200mm 6000K	18W	6000K-6500K	0.97	1620lm	75
T8G44	T8 1200mm 4000K	18W	3900K-4200K	0.97	1600lm	75

## 1500mm T8 LED TUBE



Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8G56	T8 1500mm 6000K	24W	6000K-6500K	0.97	2160lm	75
T8G54	T8 1500mm 4000K	24W	3900K-4200K	0.97	2130lm	75

The Green Series LED Tube is the most economical entry level tube. If you are interested in higher lumen LED Tubes. Look out for the Commercial and Blue series which currently achieve up to 115lm/W

CIE1931 Chroma Figure

