



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



*Innovation through Illumination*

## T8 LED BLUE SERIES

The T8 BLUE SERIES LED Tube is a world class LED Tube manufactured in South Africa. A linear fluorescent replacement providing savings in excess of 40%, delivering over 115 lumens per watt at superior colour quality achieving an average CRI of 82

The T8 LED Blue Series Tubes is available in two different colour temperatures. The T8 lamp is easy to install and fits into linear fluorescent fixtures, making it a the perfect upgrade solution where energy savings, quality light and luminaire longevity are essential..



**5**  
YEAR  
WARRANTY

### T8 LED TUBE FEATURES

- Utilises the highest quality components presently available in electronic lighting technology
- CRI: 82+ accurately reproducing the colour of the environment.
- Efficacy: 115 lm/w at an average power factor of 0.97
- Lamp Delivered Light Output : 1000 - 2700 lumens per LED lamp (dependant on lamp size & CCT)
- CCT Available: 4000K & 6000K
- Lamp Power: 9W(600mm), 14W(900mm), 18W(1200mm), 24W(1500mm).
- Input Voltage: 110-277 VAC
- Guaranteed 5 Year high performance driver life span
- Made in South Africa, < 65% Local Content.

### T8 LED TUBE BENEFITS

- Upgrades existing T8 fluorescent lamps to a more energy efficient eco friendly alternative.
- Universally compatible with existing T8 Fittings, offering the ultimate in flexibility.
- Instant start, Flicker free and Silent
- 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
- 82+ CRI renders colours accurately and consistently throughout the lamps lifetime.
- Safe, Single ended input design.

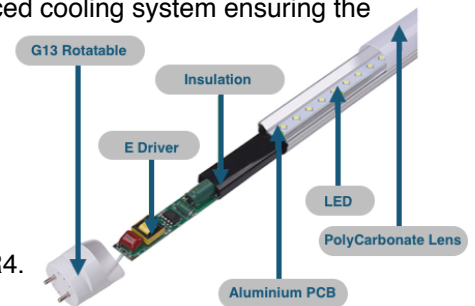
## T8 LED - BLUE SERIES

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



### CONSTRUCTION & MATERIALS

- Durable lightweight aircraft aluminium alloy heat sink housing providing an advanced cooling system ensuring the longevity of this class leading luminaire.
- Shatterproof design, which is free of glass and mercury.
- Dow Corning adhesive (USA)
- 99% Gold pure gold wire LED chips
- Intematix phosphors
- High Lumen 0.2W 2835 LED (F. Current 60mA, F. Voltage 3.2V)
- Impact Resistant Polycarbonate lens
- Utilising Aluminium PCB which offers 10x better heat dissipation than standard FR4.
- 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.

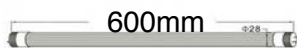
### ELECTRICAL SYSTEM

- High-efficiency Constant Current Driver
- Output 30V -85V
- CE-EMC Certification.
- Driver to remodulate current to LEDs
- Power Factor: = < 0.95 nominal
- Input Voltage: 100-277V, 50/60Hz
- Operating Temperature Range: -25°C - + 45°C
- Total Harmonic Distortion: < 15%
- Durable Long life Rubycon aluminium electrolytic capacitors
- Radio Frequency Interference Free



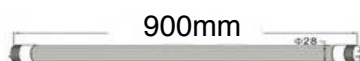
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### 600mm T8 LED TUBE



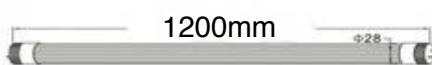
Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8B26	T8 600mm 6000K	9W	6000K-6500K	0.97	1035lm	82
T8B24	T8 600mm 4000K	9W	3900-4200K	0.97	990lm	82

### 900mm T8 LED TUBE



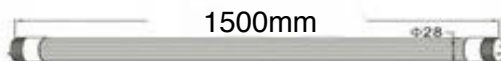
Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8B36	T8 900mm 6000K	14W	6000K-6500K	0.97	1610lm	82
T8B34	T8 900mm 4000K	14W	3900K-4200K	0.97	1500lm	82

### 1200mm T8 LED TUBE



Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8B46	T8 1200mm 6000K	18W	6000K-6500K	0.97	2070lm	82
T8B44	T8 1200mm 4000K	18W	3900K-4200K	0.97	1900lm	82

### 1500mm T8 LED TUBE



Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8B56	T8 1500mm 6000K	24W	6000K-6500K	0.97	2640lm	82
T8B54	T8 1500mm 4000K	24W	3900K-4200K	0.97	2510lm	82

If you have any questions regarding our SSL Photometry, or would like to receive a report on a specific luminaire, please feel free to contact us. IES files & spectrometer reports [sales@solarpanelenergy.co.za](mailto:sales@solarpanelenergy.co.za)

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CCT 6000K

