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Innovation through Illumination

T8 LED - COMMERCIAL SERIES

The LED T8 Commercial series is a premium quality LED Tube manufactured in South Africa. A linear fluorescent replacement providing savings in excess of 40%, delivering over 100 lumens per watt at superior colour quality achieving an average colouring rendition of over 82.

The T8 LED Tube is available in a wide array of 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.

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: 100 lm/w at an average power factor of 0.97
- Lamp Delivered Light Output : 900 - 2300 lumens per LED lamp (dependant on lamp size & CCT)
- CCT Available: 3000K, 4000K, 5000K, 6000K, Red, Blue, Green, and Pink
- Lamp Watts: 9W(600mm), 14W(900mm), 18W(1200mm), 24W(1500mm).
- Input Voltage: 110-277 VAC
- Guaranteed 5 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
- 82+ CRI renders colours accurately and consistently throughout the lamps lifetime.

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

- home ✓
- offices ✓
- schools ✓
- boutiques ✓
- shops ✓
- restaurants ✓
- hotels ✓
- warehouses ✓
- swimming pools
- hospitals ✓
- industrial buildings ✓
- churches ✓
- spot lighting
- range hoods
- street lighting

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
- 28lm 0.2W 2835 LED (F. Current 150mA, F. Voltage 3.2V)
- Impact Resistant Polycarbonate lens
- Hazard free Model 2835 LED.

G13 Rotatable · Insulation · E Driver · LED · PolyCarbonate Lens · Aluminium PCB
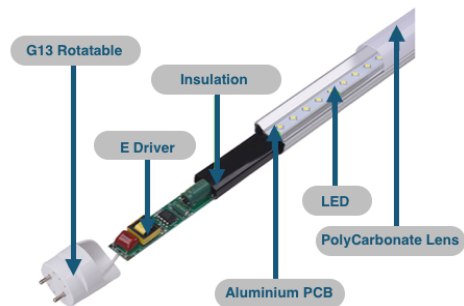
Optic Distribution

- 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 Rubycon electrolytic capacitors
- RF interference Free

L N AC 230V — 28mm — A

T8 LED - COMMERCIAL SERIES

Made in RSA by e Lighting Manufacturers

600mm T8 LED TUBE

600mm

Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8C26	T8 600mm 6000K	9W	6000K-6500K	0.97	900lm	82
T8C25	T8 600mm 5000K	9W	5000K-5500K	0.97	900lm	82
T8C24	T8 600mm 4000K	9W	3900K-4200K	0.97	880lm	82
T8C23	T8 600mm 3000K	9W	3000K-3200K	0.97	860lm	82

900mm T8 LED TUBE

900mm

Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8C36	T8 900mm 6000K	14W	6000K-6500K	0.97	1400lm	82
T8C35	T8 900mm 5000K	14W	5000K-5500K	0.97	1400lm	82
T8C34	T8 900mm 4000K	14W	3900K-4200K	0.97	1360lm	82
T8C33	T8 900mm 3000K	14W	3000K-3200K	0.97	1340lm	82

1200mm T8 LED TUBE

1200mm

Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8C46	T8 1200mm 6000K	18W	6000K-6500K	0.97	1800lm	82
T8C45	T8 1200mm 5000K	18W	5000K-5500K	0.97	1800lm	82
T8C44	T8 1200mm 4000K	18W	3900K-4200K	0.97	1740lm	82
T8C43	T8 1200mm 3000K	18W	3000K-3200K	0.97	1710lm	82

1500mm T8 LED TUBE
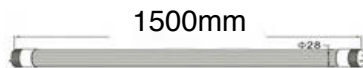
1500mm

Product ref.	Description	Power	CCT	Power Factor	Luminous Flux	CRI
T8C56	T8 1500mm 6000K	24W	6000K-6500K	0.97	2300lm	82
T8C55	T8 1500mm 5000K	24W	5000K-5500K	0.97	2300lm	82
T8C54	T8 1500mm 4000K	24W	3900K-4200K	0.97	2230lm	82
T8C53	T8 1500mm 3000K	23W	3000K-3200K	0.97	2190lm	82

CIE1931 Chroma Figure
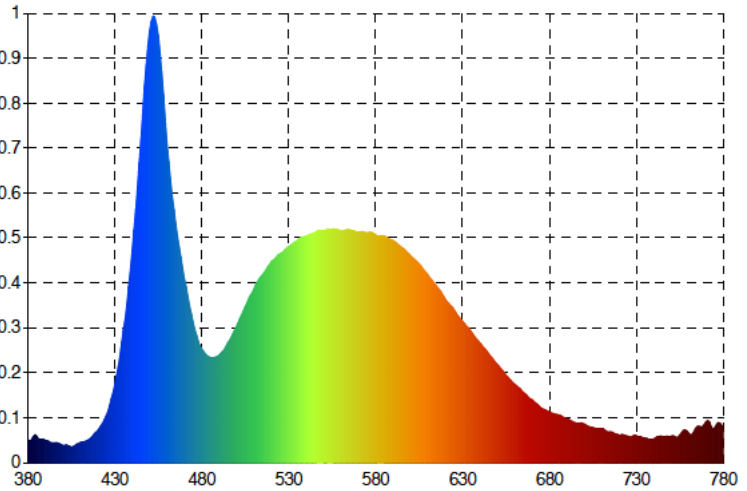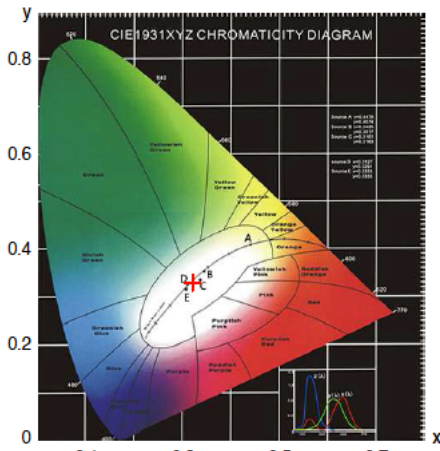
Illuminance-Distance Curve
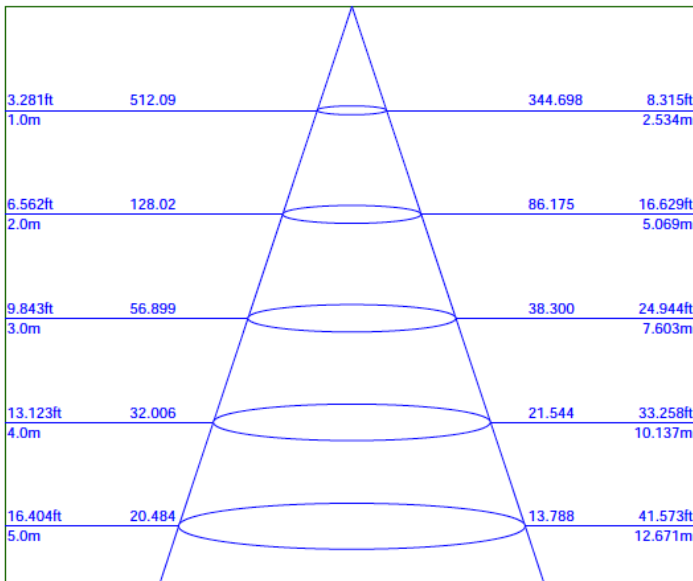
Height	Center E(lx)	Average E(lx)	Diameter
3.281ft / 1.0m	512.09	344.698	8.315ft / 2.534m
6.562ft / 2.0m	128.02	86.175	16.629ft / 5.069m
9.843ft / 3.0m	56.899	38.300	24.944ft / 7.603m
13.123ft / 4.0m	32.006	21.544	33.258ft / 10.137m
16.404ft / 5.0m	20.484	13.788	41.573ft / 12.671m

IES Files are available for all e Lighting products upon request. email sales@solarpanelenergy.co.za to request a file on the lighting product of your choice