



TECTONIC LED CORP.

ISO 9001:2000 Products RoHs Compliance

The Ti Series T8

PLCC2 build on one piece PCB.

Specification of the Ti Series

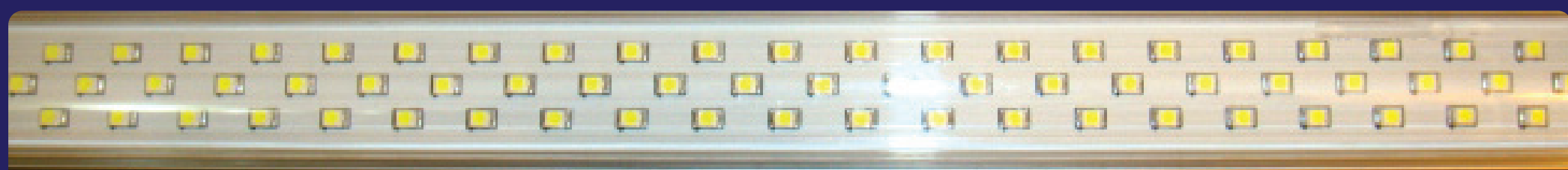
Part No.	TT3109	TT3118	TT3122	TT3125	TT3212	TT3218	TT3222
Project Distance	5M						
LED	SMD3528			SMD5050			
LED Quantity	120	270	330	390	60	90	120
Working voltage	AC100-277V						
Color	Pure White/Warm White/Cold White						
Viewing Angle	120°						
Shell Material	Aluminum alloy, PC						
THD	《 15%						
PF	》 0.95						
Working Environment	-20 ~ + 40						
IP Rank	IP50						

Electrical and Luminous Parameters

Power	9 ± 1W	18 ± 1W	22 ± 1W	25 ± 1W	12 ± 1W	18 ± 1W	22 ± 1W
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FEATURES of Ti Series:

- Tectonic uses the brightest SMD LED 3528/5050 for the fluorescent tube light, the luminance for single LED exceeds 2000MCD.
- LED fluorescent lamp panel use 90-264VAC internal driver, outer shell adopt the radiators, re-flowing solder.
- Stable quality, CE certify and UL/ETL listed.
- Constant current driver, super-low power consumption, electronic optical power close to 100%
- No ultraviolet, infrared ray radiation, heat free and no leak of mercury.
- 50,000-80,000+ hours, 10 times longer lifespan than traditional fluorescent tubes.
- Install the lamp panel to the power directly, it can be used worldwide with standard voltage.
- Build on single piece PCB board, preventing solder points failure.



Ti Series T8's are build on a single piece PCB

Hyper stable: 100-277V isolate driver built-in, short circuit protection, open circuit protection, overload protection etc.

Hyper safe: ETL standard approved, beard 4000V high voltage shock

High Power Factor: >0.95

Low harmonious wave: Harmonious wave is less than 15%

Energy Saving: constant current, low power consumption, electro optic power near 100%

High brightness: high bright SMD5050 & SMD3528 as light source

Delay Star-up: delay star-up for 1 second, no impulse current to LED, longer lifetime

6063 oxidized aluminum housing, take away heat effectively, reflow soldering, steady quality;

High transparent stripe PC cover, solve LED glare issue

Elegant appearance, integrated pins design

Environment-friendly: NO UV, NO radiates infra-Red light, NO mercury

Long lifetime: life time 50,000-80,000 hrs, 10 times longer than traditional fluorescent tubes

Easy installation: install LED tube lights directly, work with 100-240v wide voltage.

Elegant appearance, incorporated design for the pins and end part of the tube.

Tectonic's Ti series is designed according to EMC standard and can bear 4000V.

Transparent oxygen colophony cover, no dizzy problems.

High brightness, Tectonic use SMD 5050 as light source for our T8 tubes.

Energy saving, power consumption of our T8 tube is only 1/3 of the traditional tube lights.

Environmental friendly, no ultraviolet or infrared radiation and no mercury.

Super long lifespan. 80,000+ hours, it is 10 times of the lifespan compare to your traditional tube lights.

The second generation T8 tube light is a top grade lights for indoor use. Tectonic use high brightness SMD 5050 as the light source. 6063 pure aluminum being anode oxidation, transparent cover, pins at both ends are incorporate with the end part of the body, which looks nice and elegant.

Environmental friendly and low power consumption, high efficiency and long lifespan, they're widely used for office, bedroom, hotels, schools and other indoor environments in Europe, and are surely the next gen in the States.

The SD Series T8

SD T8 FEATURES:

Available in DIP and SMD LED:

TECTONIC's SD series are available in 1 to 8fts, it's our more flexible line, features aluminum patented heat sink and optical diffuser, wide voltage and constant current design, solid state, high shock & vibration resistant, it is Mercury free with no UV or RF interference, super low energy consumption and no flickering, makes it the best replacement for your fluorescent tubes.

CRI : **80**
Frequency : **50 Hz / 60 Hz**
Lifespan : **50,000+ Hours**
Lighting Angle : **60, 120, 160 Degree**
Base : **T8 / t10**
Working Temperature : **-20 ~ 45 C**

★ 4ft. 17Watt Specification:

Wattage	Voltage	Lumens	Central Lux	Power	LED Qty	Dimensions
17W	100-277V	1600 lm	100 - 120lux/3m	0.95	300 LED	4ft (1200mm)

★ 8ft. 34Watt Specification:

Wattage	Voltage	Lumens	Central Lux	Power	LED Qty	Dimensions
34W	100-277V	3000 lm	150 - 180lux/3m		600 LED	8ft (2400mm)

* Other sizes available, contact us for spec sheet and more information

Color Temperature

Warm White: 3000 - 3500Kelvin
Natural White: 4000 - 4500Kelvin
Day White: 5800 - 6300Kelvin
Cool White: 7000 - 7500Kelvin

* Application: Office, restaurant, show room, hotel, factory, general constructing renovation.

* Advantages:

- The SD series adopts the intelligent power control IC, with high conversion efficiency. The products accord with the energy-saving criteria requirements.
- High stability and low ripple improves the LED diode's light efficiency, & decreases the luminous decay.
- With the over-load, over-voltage, over-current and over-heat protection, it guarantees the power supply security.
- Wide voltage design, it is universal applied in all countries.

The Wis Series T8

Specification of the Wis Series

Input Voltage :	90-277V					
LED Qty :	120	192	264	324	408	528
Power Dissipation:	8W	11W	15W	18W	22W	30W
Luminous Flux (At Max):	1100	1350	1950	2400	2700	3600
Energy Saving:	Constant current, low power consumption, electro optic power near 100%					
High brightness:	High brightness SMD5050 & SMD3528 as light source					

Delay Star-up: Delay star-up for 1 second, no impulse current to LED, longer lifetime
6063 oxidized aluminum housing, take away heat effectively, reflow soldering, steady quality; High transparent stripe PC cover, solve LED glare issue
Elegant appearance, integrated pins design

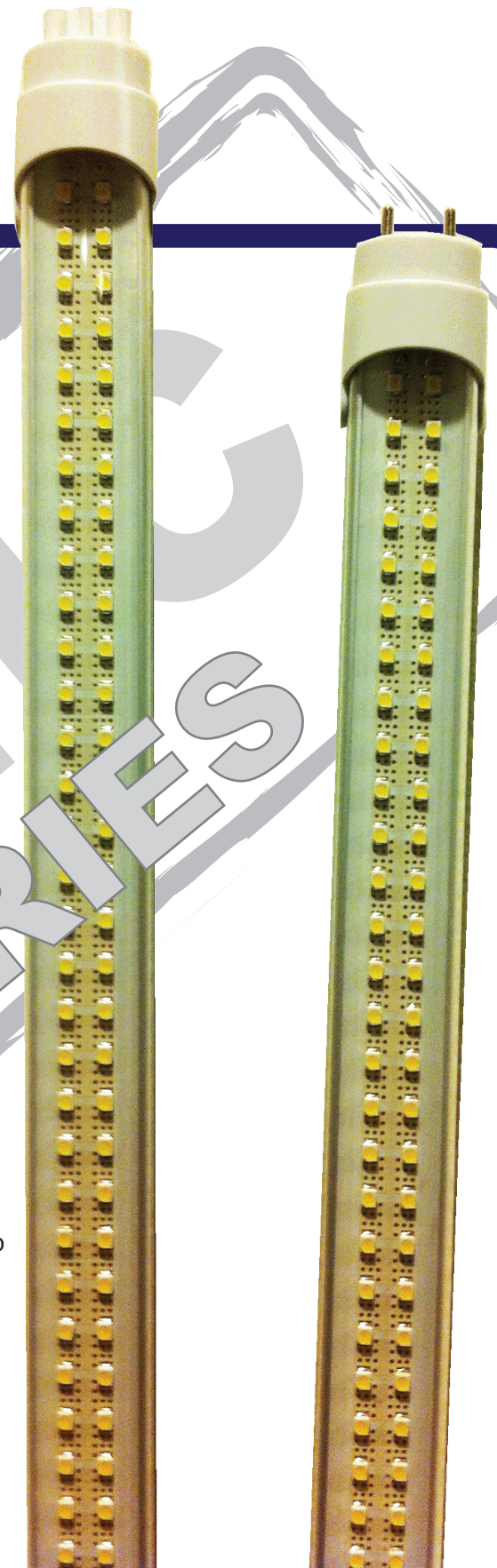
Environment-friendly: NO UV, NO radiates infra-Red light, NO mercury

Long lifetime: Life time 50,000-80,000 hrs, 10 times longer than traditional fluorescent tubes

Easy installation: Install LED tube lights directly, work with 100-240v wide voltage.

FEATURES of Wis Series:

- Tectonic uses the brightest SMD LED 3528/5050 for the fluorescent tube light, the luminance for single LED exceeds 2000MCD.
- LED fluorescent lamp panel use 90-264VAC internal driver, outer shell adopt the radiators, re-flowing solder. Stable quality, CE certify and UL listed.
- Constant current driver, super-low power consumption, electronic optical power close to 100%
- No ultraviolet, infrared ray radiation, heat free and no leak of mercury.
- 50,000-80,000+ hours, 10 times longer lifespan than traditional fluorescent tubes.
- Install the lamp panel to the power directly, it can be used worldwide with standard voltage.
- Optional Double wire Single side | Single wire Double sides installation.



The Sparkling Series T8

Specification of the Sparkling Series T8

Size also available in 2,4,5,6fts

Wattage	36W
Dimensions	2400mm / 8ft * Φ30mm
Base	T8 G13
Lumens	3400-3500 lm
Replaces	70W T8 fluorescent
Color Temperature	Warm white 2700-3200K Pure white 4000-5000K Cool white 5500-6500K
CRI	> 70
Lighting angle	120°
Life time ^{Power}	50,000hrs
LED quantity	600 LEDs
LED type	SMD3528
Input voltage	85-300V AC
Power factor	>0.95
Power efficiency	85%
Net weight	1.2kg
Inner package G.W.	1.35kg
Carton dimensions	2470*220*200 mm
G.W./CTN (20pcs)	28.95kg

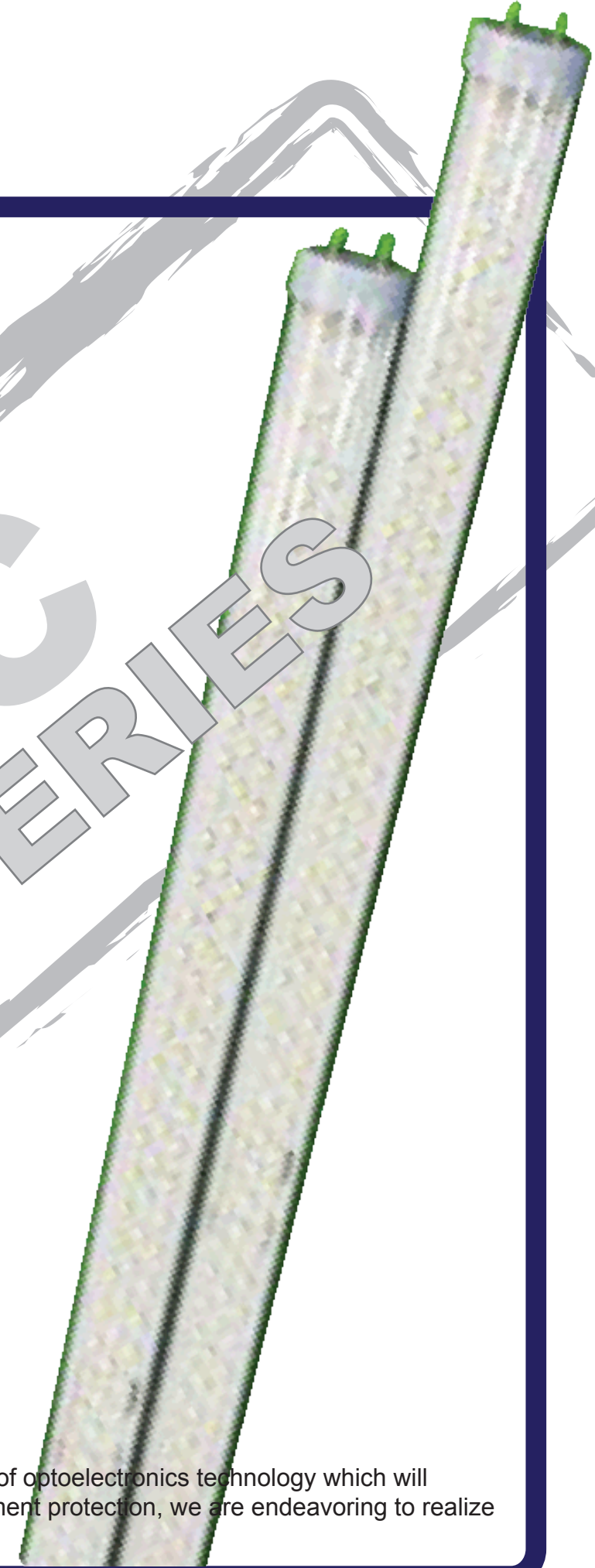
Features of LED tube light: (1,2,3,4,5,6 & 8ft's)

- Universal end cap, directly replace fluorescent lamp
- Use high quality and efficiency LED, low power-consumption & no pollution
- Long life time, various color temperature for-options

Application of LED tube light:

- House and home, office, school and commercial lighting

Driven by continual innovation and improvement, we are committed to promoting application of optoelectronics technology which will serve and benefit people's life. Holding ourselves accountable to energy-saving and environment protection, we are endeavoring to realize the corporate goal of "illuminate the world and people's life". Your Light, We Care.



Specification of the Sparkling Series T5

Wattage	3W
Dimensions	300mm / 1ft
Base	T5 G5
Lumens	250-300 lm
Color Temperature	Warm white 2700-3200K Pure white 4000-5000K Cool white 5500-6500K
CRI	> 70
Lighting angle	120°
Life time	50,000hrs
LED quantity	45 LEDs
LED type	SMD3528
Input voltage	85-300V AC
Power factor	>0.95
Power efficiency	85%
Net weight	0.15 kg
Inner package G.W.	0.2 kg
Carton dimensions	350*265*150 mm
G.W./CTN (20pcs)	4.32 kg

1ft T5

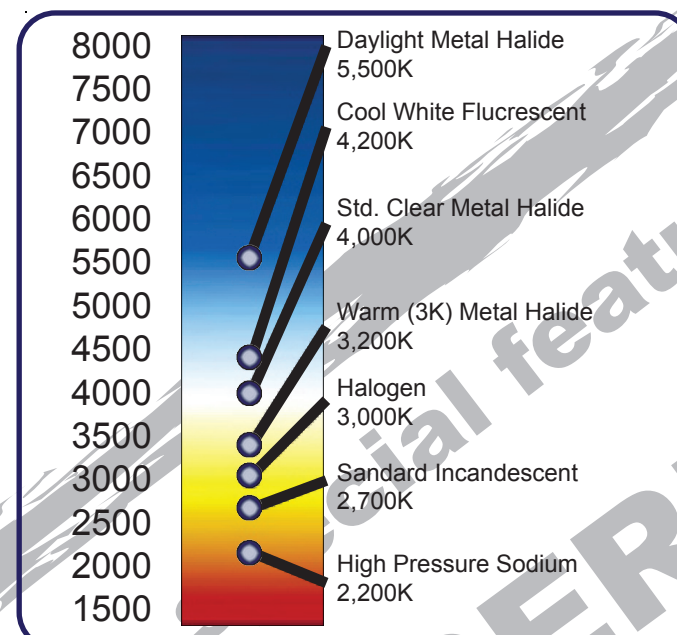
Wattage	6W
Dimensions	600mm / 2ft * Φ30mm
Base	T5 G5
Lumens	500-600lm
Color Temperature	Warm white 2700-3200K Pure white 4000-5000K Cool white 5500-6500K
CRI	> 70
Lighting angle	120°
Life time	50,000hrs
LED quantity	108 LEDs
LED type	SMD3528
Input voltage	85-300V AC
Power factor	>0.9
Power efficiency	85%
Net weight	0.2 kg
Inner package G.W.	0.3 kg
Carton dimensions	620*265*150 mm
G.W./CTN (20pcs)	6.56 kg

2ft T5

Wattage	12W
Dimensions	1200mm / 4ft * Φ30mm
Base	T5 G5
Lumens	1100-1200lm
Color Temperature	Warm white 2700-3200K Pure white 4000-5000K Cool white 5500-6500K
CRI	> 70
Lighting angle	120°
Life time	50,000hrs
LED quantity	224 LEDs
LED type	SMD3528
Input voltage	85-300V AC
Power factor	>0.9
Power efficiency	85%
Net weight	0.45 kg
Inner package G.W.	0.58 kg
Carton dimensions	1210*265*150 mm
G.W./CTN (20pcs)	12.58 kg

4ft T5

COLOR TEMP. CHART



Lens types : Clear, Translucent or Frosted

- Available in frosted, translucent or clear lens, in warm white, pure white and cool white.
- Aluminum heat sink, patented heat sink and optical diffuser.
- Longer life time than fluorescents and incandescent.
- No ballast required, wide voltage and constant current design.
- Solid state, high shock & vibration resistant
- More than 50% savings in energy consumption.
- No noise, no flickering.