

# eLighting

## ULTRA T8 LED

### Product Description

eLighting's Brand new range of Ultra-Series takes over from its predecessor the Blue Series to set a new standard in lighting technology. An LED tube rendering the highest quality of light and luminous intensity presently available with unrelenting drive rated to 70 000 hours over its 5 year warranty. Producing up to 130lm/w\* the Ultra performs to the highest standard in lumen out-put, maintenance and colour rendition. The Ultra Series is an uncompromising South African manufactured LED tube.



### FEATURES

Internal Driver

T8 Thin 22mm Diameter

3000K / 4000K / 5000K / 6000K

Efficacy up to 130 lm/w

5 Year Warranty

Optional Rotatable End Caps

L70 B20 @ 25°C 70000hrs

EMC

Flicker Free

Made in South Africa

### Construction & Installation

Designed for easy T8 retrofit installation. The eLighting ultra 22mm diameter T8 LED tube is constructed with a light weight 6063 aluminium alloy casing for effective thermal management, diffusing light through an opaque polycarbonate lens. The G13 end caps are available in the standard or rotatable format to suit every application. The 22m diameter casing allows for the high quality electronic driver to be built inside the tube making installation quick and hassle free.

### Electrical Specifications

eLighting ultra tube lights operate on 100 ~ 277V(305)AC. Utilizing a premium quality electronic driver set offering reduced harmonic distortion and electromagnetic interference with no visible flicker. Completely Flicker free versions are available to compliment the these highly efficient LED lamps along with close to perfect power factor and system efficiency. Driver performance can be customised to client specification

### Applications

This lamp is the ideal retrofit solution for schools, gyms, offices, retail outlets, factories and most indoor environments.

## Fixture Compatibility

Rated Power	Electrical Classification	Ingress Protection	Operating T°	Operating Humidity	Storage T°
9W 18W 23W	Type B ( Ballast bypass)	IP20	-25 ~+45°C	0~90%	-25 ~+65°C

## Technical Specifications

### T58Ultra-Lite

130lm/W

Model	Length	Power	Luminous Flux	Colour	Beam Angle	CRI
T8UL2-5W	600mm	5W	650lm	3000K, 4000K, 5000K, 6000K	120°	80Ra / 90Ra
T8UL4-12W	1200mm	12W	1860lm	3000K, 4000K, 5000K, 6000K	120°	80Ra / 90Ra
T8UL5-18W	1500mm	18W	2790lm	3000K, 4000K, 5000K, 6000K	120°	80Ra / 90Ra

### T8 Ultra-Lux

125lm/W

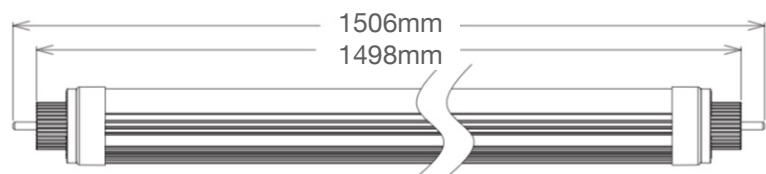
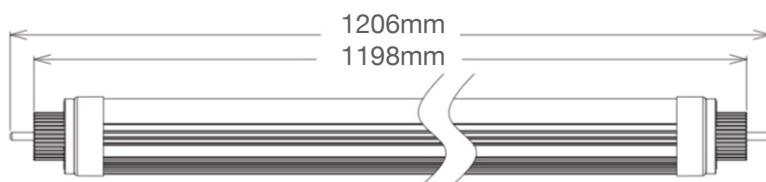
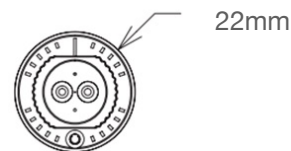
Model	Length*	Power	Luminous Flux	Colour	Beam Angle	CRI
T8UL2-9W	600mm*	9W	1125lm	3000K, 4000K, 5000K, 6000K	120°	80Ra / 90Ra
T8UL5L-18W	1200mm*	18W	2340lm	3000K, 4000K, 5000K, 6000K	120°	80Ra / 90Ra
T8UL5L-23W	1500mm	23W	4640lm	3000K, 4000K, 5000K, 6000K	120°	80Ra / 90Ra

## FEATURES

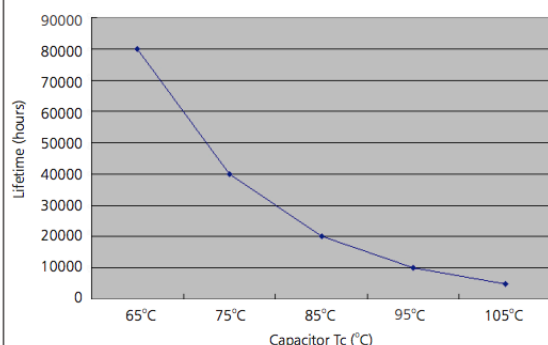
### Performance Summary

Input Voltage	100V - 277V AC
Frequency	50 / 60 Hz
Efficiency	86%
Power Factor	0.97
Short Circuit Protection	Yes
Rated input Current	<0.29A
Rated Life	70 000hrs L70 B20
Flicker Index	0.10
THD	16%
SDCM	>3

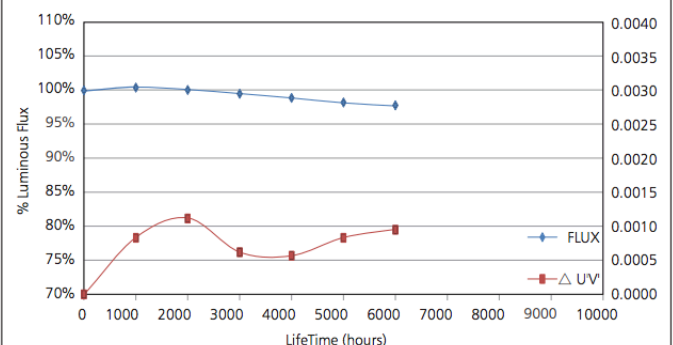
## Tube Dimensions



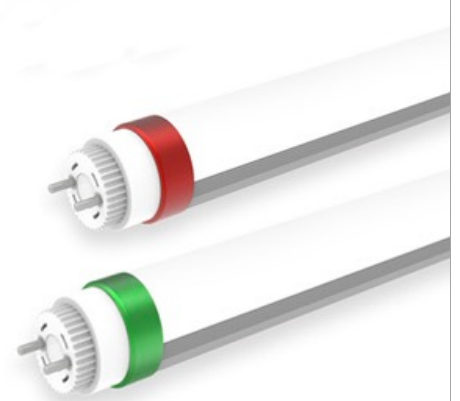
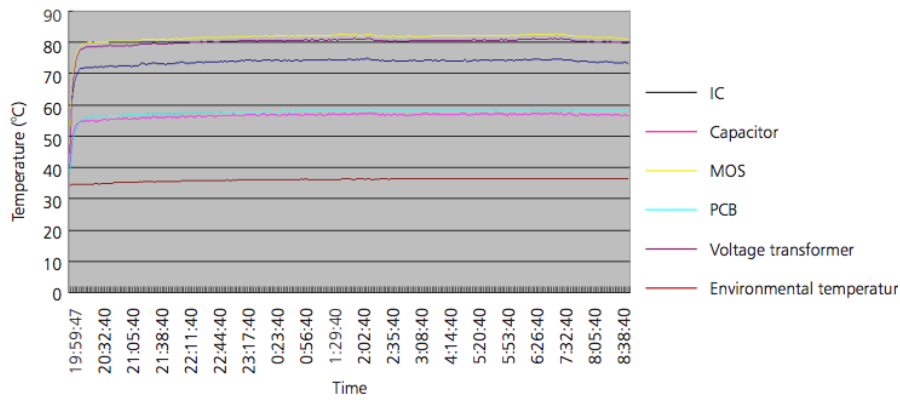
### Driver Lifetime



### LED Light Decay Rate

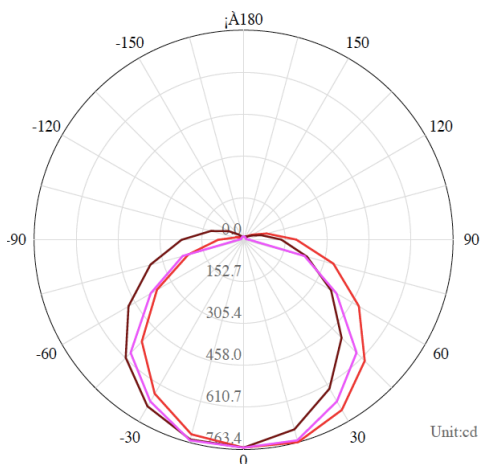
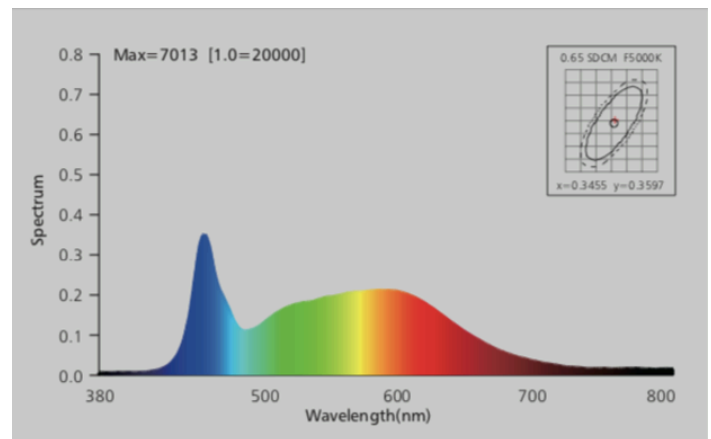
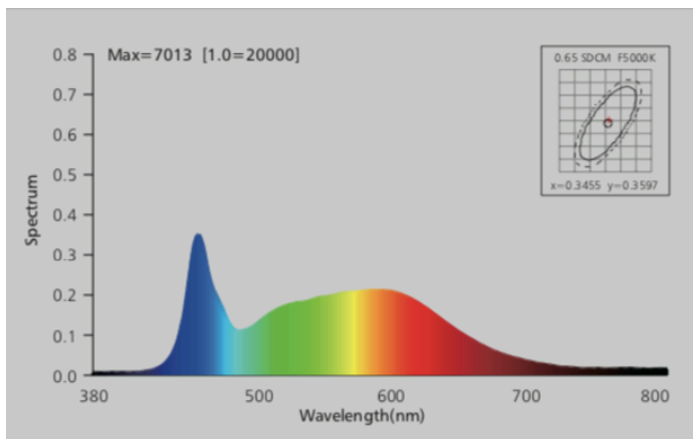
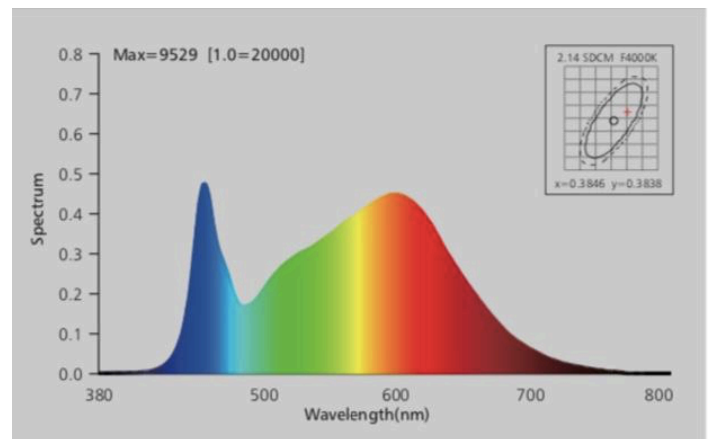
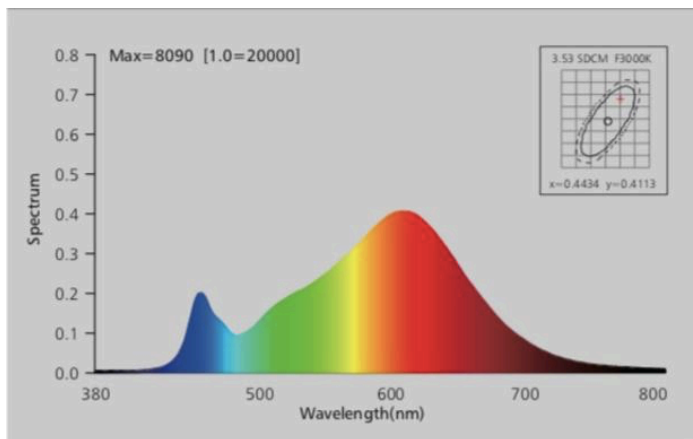


## Driver Temperature



The driver lifespan is based on capacitor working temperature.

## Spectral Data



IES Files available upon request