

# eLighting

## GREEN SERIES T8 LED

### Product Description

eLighting's cost effective range of Green-Series LED tube offers a reliable T8 retrofit solution. An LED tube that is easy to install, highly efficient and backed by a three year warranty. Available in customisable sizes, colours and power options in optional clear or opaque diffuser emitting light at 140° in warm or cool white. Baked with an Aluminium heatsink to assist with passive cooling ensuring improved lumen maintenance and electronic driver reliability.



### FEATURES

Internal Driver

27mm

4000K & 6500K

Efficacy 90lm/w

3 Year Warranty

Optional Rotatable End Caps

35000hrs

EMC

Clear / Opaque Diffuser

Made in South Africa

### Construction & Installation

Designed for easy T8 retrofit installation. The eLighting ultra 27mm 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 27mm diameter casing allows for the high quality electronic driver to be built inside the tube making installation quick and hassle free. Retrofit Installation requires any existing ballast to be removed or bypassed

### Electrical Specifications

eLighting ultra tube lights operate on 100 ~ 277VAC. Utilizing a premium quality electronic driver set offering reduced harmonic distortion and electromagnetic interference.. 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	Class II	IP20	-25 ~+45°C	0~90%	-25 ~+65°C

# Technical Specifications

## T8 Green Series

90lm/w

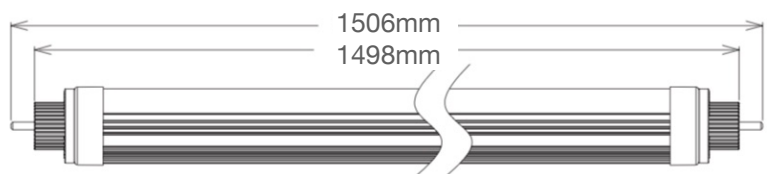
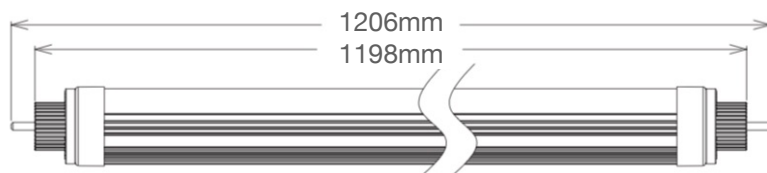
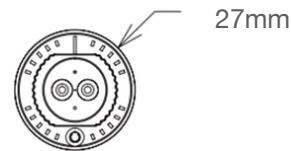
Model	Length	Power	Luminous Flux	Colour	Beam Angle	CRI
T8G2	598mm	12W	810lm	4000K & 6500K	140°	80Ra
T8G3	898mm	13W	1170lm	4000K & 6500K	140°	80Ra
T8G4	1198mm	18W	1620lm	4000K & 6500K	140°	80Ra
T8G5	1498mm	23W	2070lm	4000K & 6500K	140°	80Ra

## FEATURES

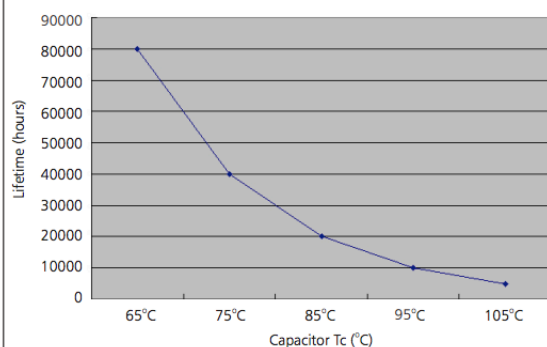
### Performance Summary

Input Voltage	230V AC
Frequency	50 / 60 Hz
Efficiency	86%
Power Factor	0.97
Short Circuit Protection	Yes
Rated input Current	≤0.29A
Rated Life	30 000hrs L70 b10
Flicker Index	0.10
THD	16%
SDCM	>5

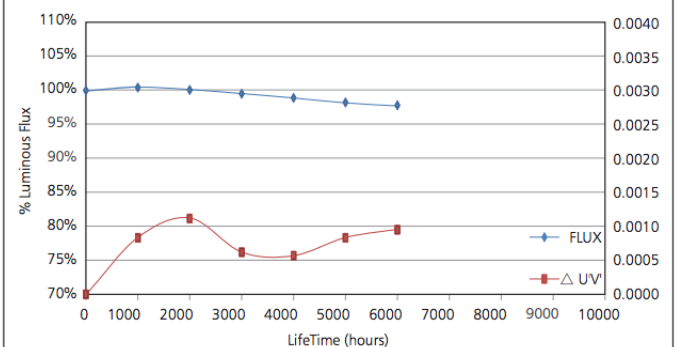
## Tube Dimensions



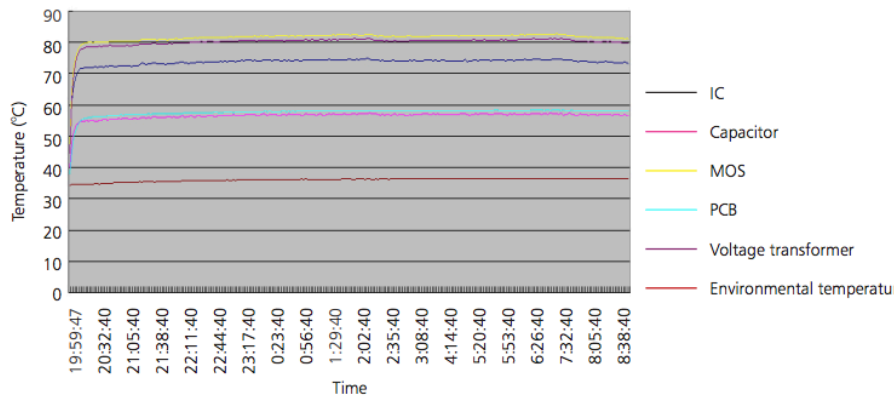
### Driver Lifetime



### LED Light Decay Rate

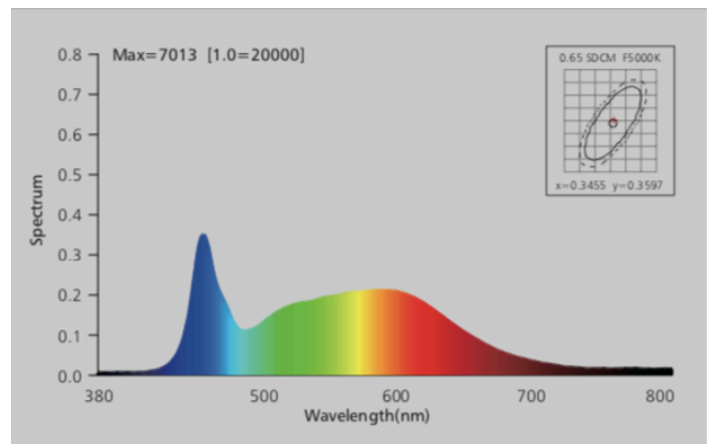
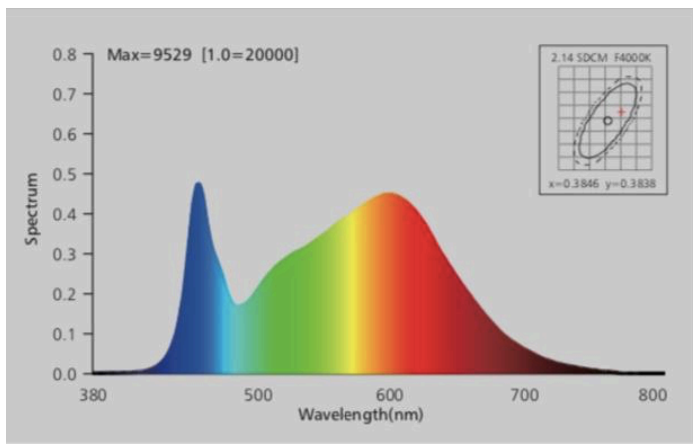


## Driver Temperature



The driver lifespan is based on capacitor working temperature.

## Spectral Data



IES Files available upon request

