

eLighting

COMMERCIAL SERIES T8 LED

Product Description

The eLighting LED T8 Commercial Series is the original eLighting LED tube manufactured in South Africa. A linear fluorescent replacement providing savings in excess of 70%, delivering up to 100 lumens per watt at a superior colour quality achieving an average CRI of 82 in 3000K, 4000K, 5000K & 6000K colour temperatures. It is easy to install and fits into linear fluorescent fixtures, making it a perfect upgrade solution where energy savings and long life are essential.



Certification: EN 60598-1:2015/AC 2016
EN55015:2013, EN61547:2009, EN61000-3-2:2014, EN61000-3-3:2013

FEATURES

Easy Retrofit

28mm Diameter

3000K / 4000K / 5000K / 6000K

Efficacy 100lm/w

5 Year Warranty

Optional Rotatable End Caps

50000hrs

EMC

Flicker Free

Made in South Africa

Construction & Installation

Designed for easy T8 retrofit installation. The eLighting commercial series T8 LED tube is constructed with a light weight 6063 aluminium alloy casing for effective improved 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 28mm diameter casing allows for the high quality driver to be built inside the tube making installation quick and hassle free.

Electrical Specifications

eLighting Commercial Series tube lights operate on 100 ~277V AC. Utilizing a premium quality electronic driver set offering reduced harmonic distortion, no electromagnetic interference and 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

The Commercial Series is the ideal retrofit solution for schools, gyms, offices, retail outlets, factories, train station platforms, most indoor environments.

Fixture Compatibility

Rated Power	Electrical Classification	Ingress Protection	Operating T°	Operating Humidity	Storage T°
12W 18W 23W	Class II	IP44	-25 ~+45°C	0~90%	-25 ~+65°C

Technical Specifications

T8C

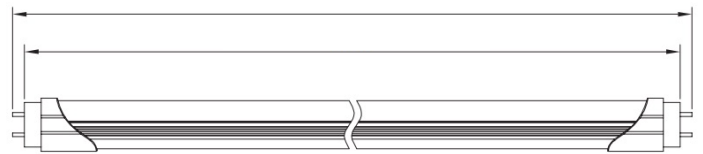
Model	Length	Power	Luminous Flux	Colour	Beam Angle	CRI
T8C2	598mm	9W	900lm	3000K, 4000K, 5000K, 6000K	120°	82Ra
T8C3	898mm	13W	1300lm	3000K, 4000K, 5000K, 6000K	120°	82Ra
T8C4	1198mm	18W	1800lm	3000K, 4000K, 5000K, 6000K	120°	82Ra
T8C5	1498mm	23W	2300lm	3000K, 4000K, 5000K, 6000K	120°	82Ra

FEATURES

Performance Summary

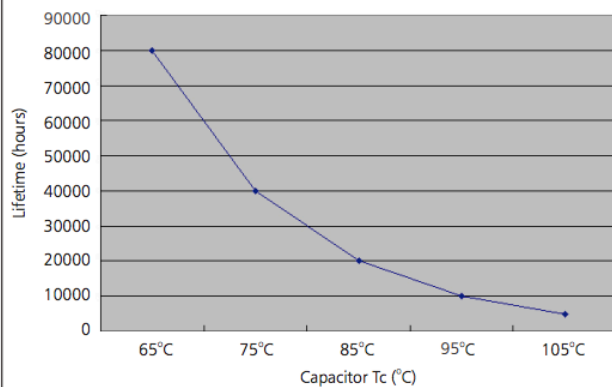
Input Voltage	100V - 277V AC
Frequency	50 / 60 Hz
Efficiency	92%
Power Factor	0.97
Short Circuit Protection	Yes
Rated input Current	≤0.29A
Rated Life	50000hrs L70 b10
Flicker Index	0.02 - 00.00
THD	14%
SDCM	>5

Tube Dimensions



598mm	9W
898mm	13W
1198mm	18W
1498mm	23W

Driver Lifetime



LED Light Decay Rate

