

LED T8 Tubes

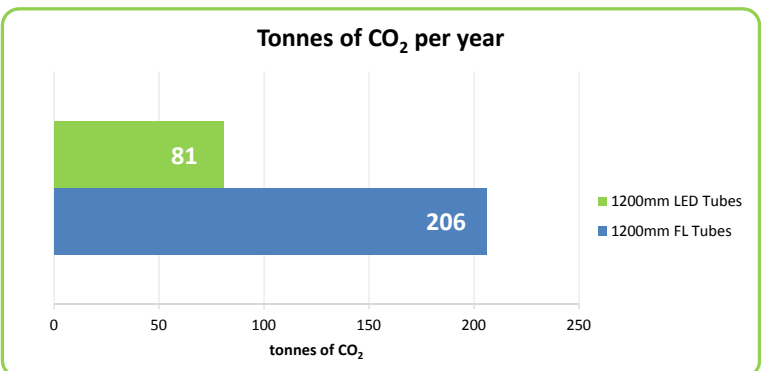
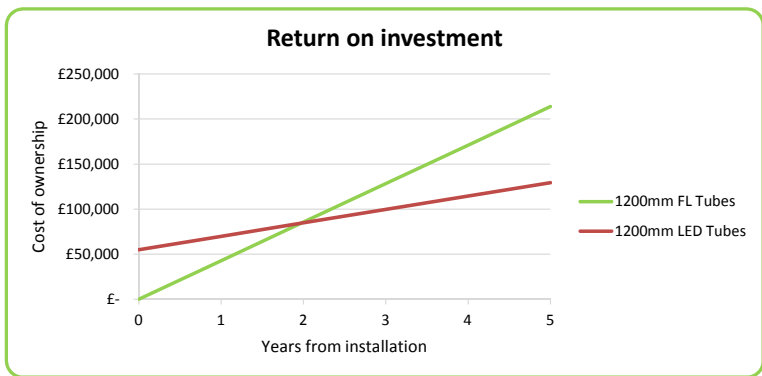
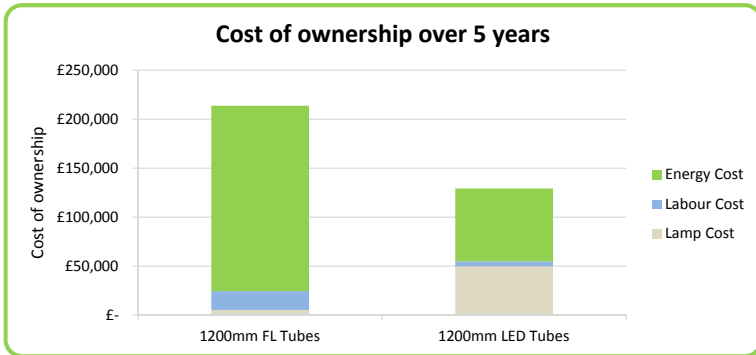
High Intensity Retrofit LED Lighting

LED T8 Tubes

Our range of LED T8 Tubes offer a direct replacement for fluorescent tubes. With significantly longer life spans and energy savings of 60%, our LED tubes can result in significant savings.

Features

- Directly replaces fluorescent tubes
- Long life-spans of up to 50,000 hours.
- 180° beam Angle
- Available in a range between 2800K and 6000K Colour Temperature
- High light quality with a CRI > 80
- High power factor > 0.96
- No UV, IR, mercury or sodium
- Warranty 3 year standard
- Can work with microwave sensors
- IP42
- Instant On
- Low temperature
- Emergency option available



Assumptions: £0.10 per kWh, 8760 hours per year, 20% ballast loss, theoretical example - applications may vary.

Energy savings that matter

1000 x 1200mm fluorescent tubes were replaced with our SMD-T8 LED Tubes.

Average on time was taken to be 24 hours a day, 8760 hours per year.

The LED Tube retrofit results in a total saving of over £84,000 over a 5 year period.

Benefits:

- Payback within 2 years
- 60% energy and carbon reduction





SMD T8 LED Tubes

Electrical Specifications

Connection	T8/T10, G13 Push Through
Input Voltage	90 ~305v AC 50/60Hz
Power Factor	>0.95

Light Output Specifications

Light Source	SMD 2835
Brightness Degradation	< 1% per 1000 hours
Colour Rendering Index	>80
Luminous Efficiency	100-105 lumens/W
Beam Angle	120°/180°

Lumen Output

Description - Frosted	Wattage	3000K	6000k
600mm SMD-T8 LED Tube	9W	900	1000
1200mm SMD-T8 LED Tube	18W	1850	2050
1500mm SMD-T8 LED Tube	22W	2100	2400
1800mm SMD-T8 LED Tube	30W	2800	2950

Dimensions

Description - Frosted	Dimensions	Weight
600mm SMD-T8 LED Tube	550 x 26mm	190g
1200mm SMD-T8 LED Tube	1150 x 26mm	370g
1500mm SMD-T8 LED Tube	1450 x 26mm	445g
1800mm SMD-T8 LED Tube	1750 x 26mm	515g

LED T8 Tube Installation Guide

IMPORTANT SAFETY WARNING - read before proceeding with installation

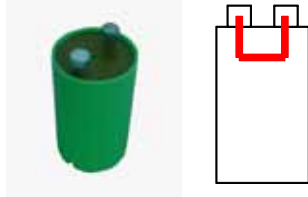
This LED Tube product should only be installed by a competent electrical engineer. The product requires modification to existing fittings which have live connections accessible. Only perform the modifications necessary after following the installation guide for your fitting.

Any LED tube installation must be performed with the power disconnected from the fitting. **DO NOT** install an LED tube into a live fitting. Always disconnect the power from any fitting before retrofitting or replacing an LED tube.

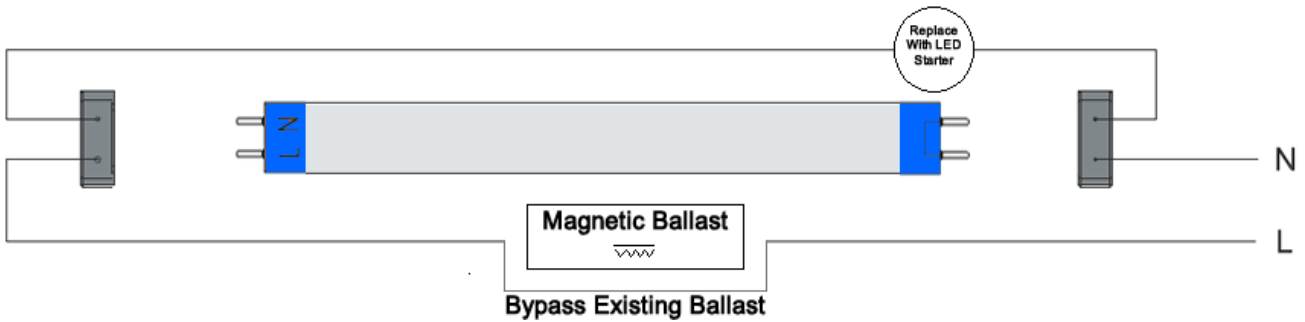
There are two common types of light fixtures used:

- Magnetic Ballast - Identified by the fact that the fitting has a starter device.
- Electronic Ballast - Identified by the fact that the fixture does not have a starter device.

N.B When Installing the LED Tube into a standard Magnetic Ballast fitting a LED Starter will be required to complete the circuit. The LED starter is designed to easily replace the existing fluorescent starter and simply locks into place. An LED starter will be supplied with each tube.

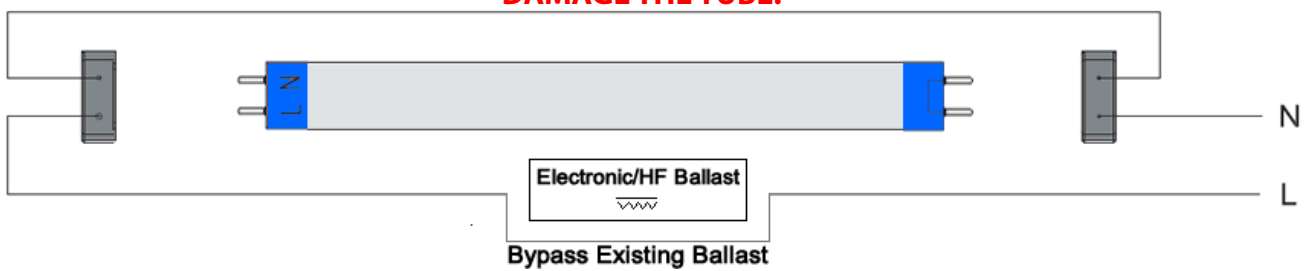


When LED tube are replaced in a standard fluorescent tube batten/fitting, the starter must be removed, and replaced by the included LED Starter and the existing Ballast by-passed/removed.



When LED tube are replaced in a Electronic or High Frequency batten/fitting, the existing Ballast MUST be by-passed or removed.

DO NOT INSTALL THE TUBE BEFORE BYPASSING THE ELECTRONIC BALLAST OR YOU MAY DAMAGE THE TUBE.



<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>
<p>Hold the pins and pull gently in the direction indicated by the above diagram.</p>	<p>Rotate the end cap to the desired location. Adjustable at 45 degree increments.</p>	<p>Release the pins in the desired location.</p>	<p>The end caps will now be locked into position.</p>

The End Caps have a fully rotatable connector. They can be positioned at 45 degree increments. This allows the tube to be installed into any fitting with any orientation lamp holders.