



green technology
solutions



GREEN commercial lighting

lighting your workplace with environmentally-friendly LED technology

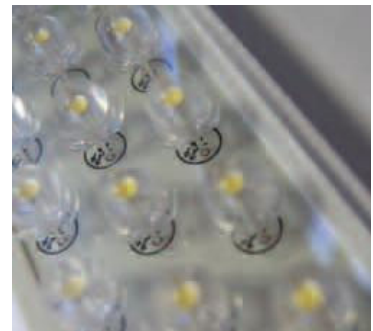
slash lighting costs & help the environment

BECOMING A GREENER BUSINESS CAN MAKE FINANCIAL SENSE.

Green Technology Solutions

introduces a real alternative to your fluorescent lamps - proving that an environmental conscience doesn't have to come at the expense of your bottom line. Leveraging your existing

fixtures, our lights use the latest LED technology to give you the same illumination, without the environmental issues and **at a third of your current electricity cost.**



better lighting solution

Fluorescent lighting in even a modest workspace costs thousands of dollars each year in electricity and maintenance and contributes to a growing toxic waste problem in Australia.

By upgrading your lighting to modern LED technology you can make a difference to the environment without compromising your bottom line.

Our LED tubes provide the same illumination using around **one third of the electricity** of traditional fluorescent tubes.

With no harmful chemicals in LED tubes they're neither a health nor environmental hazard.

about us

Green Technology Solutions offers a complete upgrade service including site analysis, supply, installation, maintenance and scheduled reporting.

We conduct an analysis of your site, demonstrate our product and provide a report on your current usage and the

“your upgrade costs can be entirely funded by your energy savings”

This translates to significant cost savings. In fact, depending on your usage you may achieve a return on investment of more than 30%.

Take a look around your workplace and do the sums; every 100 tubes you upgrade to LED technology could **save you more than \$2,000 per year**.

Not only that, but LED tubes **last up to 6 times longer** than fluorescents, significantly reducing your maintenance costs.

health & environment

Apart from the obvious financial benefits, LED lights are **better for the environment and the health of you and your staff**.

Fluorescent tubes contain highly toxic mercury that represents both a health risk, should you come in contact with it and an environmental risk when dumped in landfill.

savings you can expect.

We will arrange disposal of your old tubes and schedule your upgrade at a time that suits your business operation.

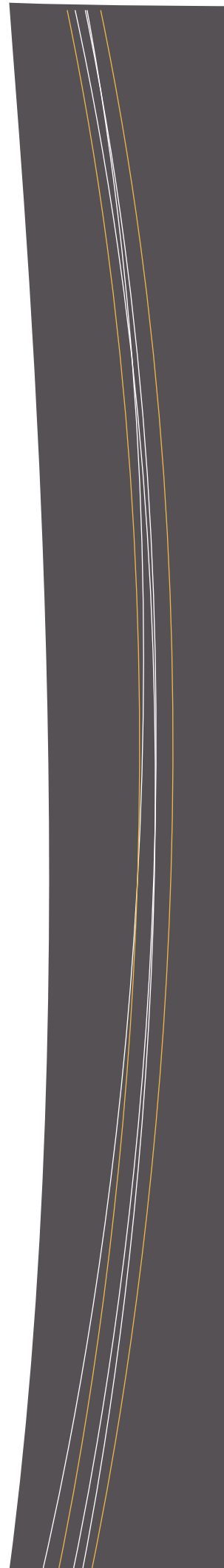
You can either purchase the LEDlights or we can enter a service agreement which may be entirely funded by your energy savings.

We'll even conduct a trial in your workplace and if we can't deliver on our promises we'll restore your old fluorescent lights at no cost.

the bottom line

LED technology is a **proven alternative** to inefficient and hazardous fluorescent lights that makes **financial and environmental sense**.

We make it simple by providing a full service and **we guarantee results**.



fluorescent tubes

Over several decades, fluorescent tubes have become a commonplace form of commercial lighting but:

- they contain harmful toxic chemicals
- are inefficient and therefore costly to run
- have a comparatively short lifespan
- are costly to maintain
- can produce an annoying hum

They also produce heat and UV light and if broken can represent a health hazard in the workplace.

“fluorescent lights add more than 50,000 tonnes of mercury to landfills each year in Australia”

A broken fluorescent tube releases mercury which is a powerful neurotoxin requiring proper safety, cleanup and disposal measures.

Did you know that fluorescent lights add thousands of tonnes of mercury to landfills each year in Australia?

This figure is set to increase with the popularity of compact fluorescent lights replacing domestic incandescent bulbs.

Fluorescent tubes are a 70 year old lighting technology and although they help in reducing our electricity consumption; they may be creating a significant environmental issue in the process.

LED technology

Light Emitting Diode (LED) based lamps are the next generation of lighting technology; they are a much more efficient form of lighting than either incandescent bulbs or fluorescent tubes and contain absolutely no toxic chemicals.

Because LEDs produce light so efficiently, they can provide the same illumination using only a fraction of the electricity of other lighting.

Being a solid-state device LEDs are also very robust and long-lasting, they don't emit UV light, are a “cool” light source producing negligible heat and because they're so small

they're adaptable to many lighting solutions.

Only a few years ago, LED lighting was being hailed as a rapidly-developing technology set to become the norm.

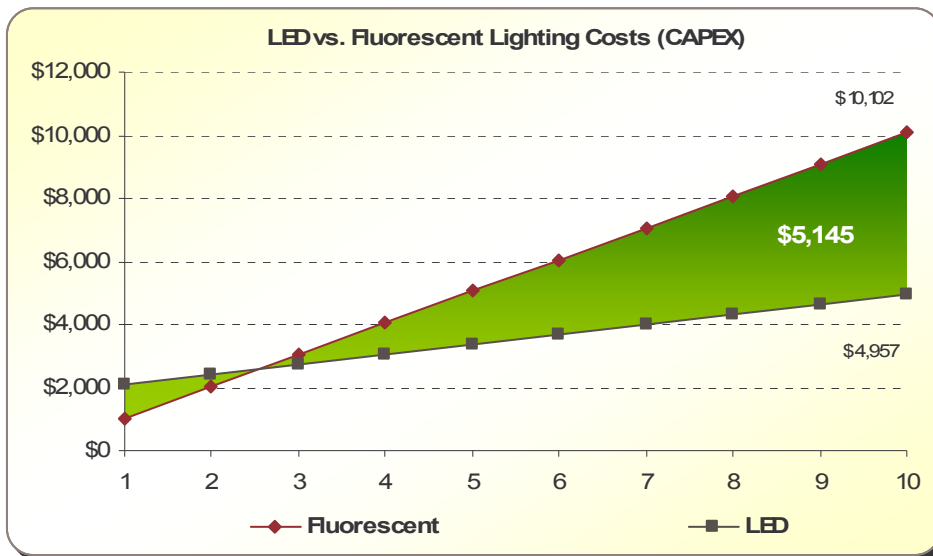
Today that prediction is becoming a reality with the trend towards LED lighting gaining momentum as they move from the now familiar realm of traffic lights, automotive lights and torches to commercial, domestic and even street lighting.



example scenario

Many people may not realise how much electricity their existing fluorescent lights are consuming, or even how many tubes are in their workplace. So you may be surprised how replacing even a small quantity of fluorescents can make a big difference.

Consider the chart below which shows a real-world example modelled on a bakery which operates its lights an average of 17 hours each day.



The chart models power costs for both LED and fluorescent tubes and the net position of the business over 10 years - including the initial upgrade costs.

The figures speak for themselves - this business saves almost \$700 per year in electricity costs - representing a return on investment of about 40% - and recovers the upgrade costs after only 2.5 years. After 10 years the business will be around \$5,000 better off.

And this is a very small scale example based on just 18 tubes.

guarantee

Many fluorescent or LED lighting products offer a warranty of 12 months but because we are dealing direct with the manufacturer and have control of the quality testing; we are happy to offer a 3 year warranty.

During that time we guarantee the lighting levels and energy savings from our LEDlights.

If there's any problem, we fix it. **No risk to our clients and no maintenance for 3 years.**

reduced emissions

The amount of CO₂ produced in generating each KWh of electricity varies from state to state depending on the method of power generation; the average is 1.2 Kg of CO₂ per KWh.

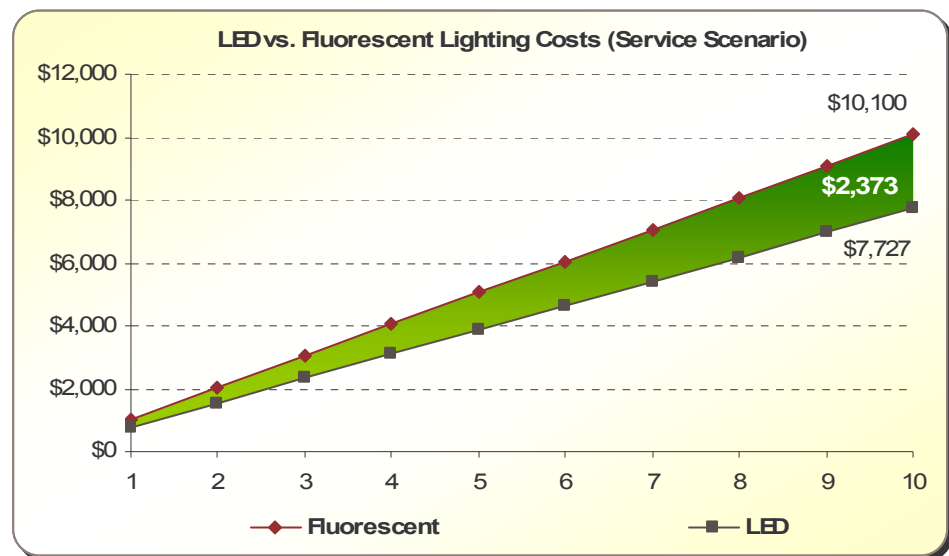
By replacing just 18 fluorescent tubes, this bakery will **reduce its carbon emissions by 36 tonnes over the next 10 years.**

Service agreement scenario

The investment in upgraded lighting can be undertaken in one of two ways:

Purchasing the LEDlights requires an upfront investment but has the benefit of a significant return on investment over time. Alternatively; entering into a service agreement means **no upfront costs and no risk** and, depending on your circumstances, may be fully funded by your energy savings. So you can “**go green**” right now without paying one cent. Plus you pocket the savings on maintenance costs.

Consider the chart below which shows our



bakery again, factoring in service fees of around \$450 per year on top of electricity costs.

Note that the service fees are completely funded by the electricity savings and in fact this business owner **gains around \$240 per year** by upgrading.

Plus they have **no upfront costs, no risk and no maintenance fees**.

And remember; this example uses just 18 tubes.

frequently asked questions

- what's the lifespan of LEDs?

LEDs will gradually lose their brightness and will need to be replaced after 30,000-50,000 hours depending on operating conditions.

- is it difficult to upgrade?

The changeover to LEDs is not difficult; it requires a very simple change to bypass the 'ballast' in your existing fluorescent fixture.

- is this technology compliant?

Our LED tubes are very simple devices and comply with all required standards for use in Australia.

- are they quality controlled?

We insist on only the best components and each batch of production must undergo rigorous testing.

- what's your warranty period?

We're very confident in our product – if you purchase our LEDlights we offer a warranty of three years, or, under a service level agreement you have no risk; we maintain your lighting for the duration of the agreement.

CONSIDER THE BENEFITS OF USING LED LIGHTING TECHNOLOGY:

- ☑ 1/3 THE POWER CONSUMPTION OF FLUORESCENT TUBES
- ☑ UP TO SIX TIMES THE LIFESPAN
- ☑ REDUCED HEALTH RISKS
- ☑ LEVERAGE YOUR EXISTING LIGHT FIXTURES
- ☑ NO UV LIGHT
- ☑ NO ANNOYING FLICKER OR HUM
- ☑ NO TOXIC WASTE
- ☑ REDUCED CARBON EMISSIONS
- ☑ TURNS ON INSTANTLY
- ☑ REDUCED MAINTENANCE & WASTE DISPOSAL COSTS
- ☑ VERY LOW HEAT

contact us when you're ready...

to start cutting lighting costs...

and help the environment.



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