

LED

FOR A BRIGHTER FUTURE



CHANGE THE WAY YOU LIGHT YOUR WORLD


enigin®

THE ENERGY SAVING BUSINESS



The benefits of Enigin LED lighting

- Convert 90% of energy usage into light.
- Cool operating temperatures save on air conditioning costs.
- Up to 50 times longer operating life than legacy lighting and guaranteed to equal illumination and light quality performance.
- Flicker free reducing eyestrain and fatigue and available in a range of Kelvin temperatures.
- Tested in real world applications incorporating consumer feedback.
- Environmentally friendly, free from toxic materials and ROHS compliant with a 3-year guarantee on performance.

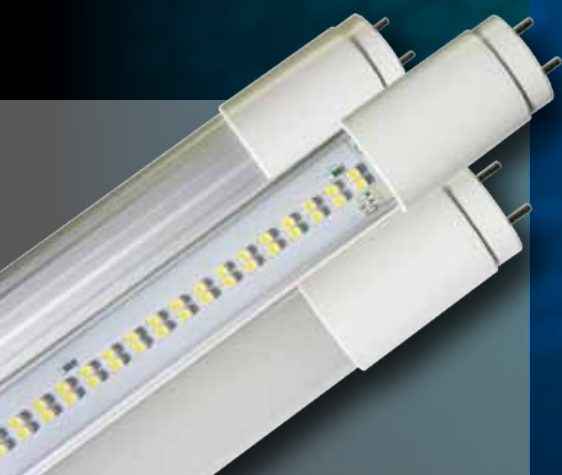


LED Case Study

Enigin LED's were installed throughout the car park at Tampa Commons, a 250,000 square foot office building owned by Wells in Florida, USA.

The underground car park is lit 24 hours a day with an initial energy cost of \$23,258 per year. The LED installation saw this drop immediately to \$12,000 and this was accompanied by an annual saving of \$23,137 in maintenance and replacement costs.

The project is on schedule to pay back in just 1.16 years and show a lifetime saving of \$195,916 plus a CO2 reduction from almost 200 tons per year to just under 100 tons.





Lighting accounts for 30% of all our electrical consumption so surely it's one of the first areas to look at for energy efficiency.

Turning on the lights is a process so familiar to us in our daily lives that we hardly even think about it and yet the flick of that switch starts a process that has far reaching implications for your energy bill, maintenance costs and the environment.

LED lighting is no longer the 'coming' thing, it is the dominant force in lighting technology for the foreseeable future and if you persevere with legacy lighting you could soon be looking at higher than average energy costs.

Why is Enigin LED technology so much more efficient?

Enigin LED's use about a tenth of the energy that an incandescent light bulb uses to produce the same amount of light. In fact, the way incandescent light bulbs work is to produce heat and it just so happens that 10% of that radiated heat is in the visible spectrum. LED's by contrast, release photons, which are actual units of light. Incandescent bulbs have been removed from some markets and replaced by other lighting sources. However, an LED will run cooler, and be more efficient, than almost any other lighting source.

The benefits of Enigin LED lighting aren't confined to their lower energy consumption. Lighting that runs cooler means that air conditioning systems have far less work to do and a saving of more than 5% in building cooling costs is normally seen after one of our LED systems is installed.



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The way we light our world has changed for the better

Changing to Enigin LED lighting pays back quickly and keeps on paying.

Lower energy bills pay back the cost of a typical LED installation in less than 2 years but the savings don't stop there.

LED's have an operating life of well over 50,000 hours; in fact many LEDs made in the 1970s and 1980s are still in service today.

The saving in maintenance costs and replacement bulbs can be enormous and particularly significant in areas where light fittings are in hard-to-reach areas.

The environmental benefit of a vast reduction in failed bulbs and tubes going to landfill is equally valuable in today's world and will reflect well on your company's image.

So isn't it time to switch?

There are Enigin LED units that will retrofit into practically all legacy

fittings whether in a commercial, industrial or domestic environment and LED lighting is appropriate for both internal and external spaces.

Out-dated lighting burns a hole in your profits. Surely it's clear that switching to Enigin LED's looks like the cool thing to do.

The story of how you can make impressive savings on your energy bill is illuminated by the straightforward replacement of a fluorescent tube with an Enigin LED unit.

A T8 LED simply replaces a 35W standard fluorescent tube and produces the same amount of light while only using 18W of electricity.

As soon as the switch is turned back on, you will see a 50% reduction in energy consumption.

The LED runs cooler than the old fluorescent tube and so, if that area is air conditioned, your climate

control costs could be reduced by over 5%.

The old fluorescent tube probably burnt out after 20,000 hours. The new Enigin LED will have a working life of over 50,000 hours which means that you have just saved the cost of replacement tubes and the labour costs to do that maintenance.

Surely that adds up to a clear picture of the way you should light your world.

For even more information visit **www.enigin.com** or contact your local Enigin distributor.

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