

LED Lighting – Helping the Environment

LED lighting is one of the most energy efficient and environmentally friendly lighting technologies of the modern era. But what makes LED so much better than other forms of lighting?

Here we look at a number of factors that make LED lighting the natural choice.

1 | Product Lifespan

One of the main reasons why LED lights are considered so eco-friendly is the fact that they last so much longer than conventional lighting, up to 10 x longer than incandescent, fluorescent or halogen products.

Because they last longer means that they do not need to be replaced as often and so fewer resources will be required for manufacturing, packaging and transportation.

2 | Energy Efficiency

LEDs are up to 80% more energy efficient than conventional types of lighting. The reason for this lies in how effectively they utilise energy to produce light.



Halogen lights, for example, convert more than 90% of the energy they use into heat, and less than 10% into light. LEDs however convert more than 90% of their energy into light with less than 10% being wasted as heat.

This means that LEDs require less power than regular forms of lighting and the less energy required, the greater the benefit to the environment.

3 | Non-Toxic Components

Some conventional types of lighting, fluorescents in particular, are not only large consumers of energy, they are also harmful to the environment when it comes to their disposal.

Fluorescent lights contain a number of toxic chemicals and elements including mercury and therefore require specialist disposal to avoid contamination. LED lights contain no hazardous materials and therefore do not require specialist disposal.

So, imagine if everybody switched to LED. The benefits would be enormous!

As agriculture receives ever increasing criticism for its contribution to global warming, installing purpose built, high quality, long lasting LED lighting systems, like those supplied by Gallina LED, is one way to significantly reduce its carbon footprint.

At Gallina LED we are waiting to help you make the switch. Get in touch today!

LED: Improve Performance, Improve Welfare, Save Energy!