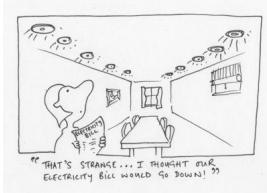


# Energy Efficient Lighting

Posted on Sep 11, Posted by [Athena Electrical](#) Category [Energy Efficiency](#)



It's been a rather splendid summer (for once) so we hope you've all made the most of it. However, it seems that Autumn has descended and before long the nights will start drawing in. This means one sure thing ... we'll all be turning on more lights, and leaving them on for longer. We've decided to offer a special September deal on energy efficient lighting for this very reason, but first, here's why ...

Lighting accounts for about 8% of a typical household energy bill, and cutting down on your lighting usage is actually the easiest way to save both energy and money.

As electricians, we feel it is our duty to advise people on the best solutions and products that can ensure they cut down, not only their energy consumption, but unnecessary bills. After all, we'd all like to find ways to save money where possible. On this note, when it comes to lighting, we strongly advise that people replace their existing tungsten halogen bulbs with LEDs.

## Why LED Lighting?

The funny thing about LEDs (Light Emitting Diodes) is that most people associate them with basic contraptions they made in school technology classes, or the light that blinks at them from across the room when their TV s on standby mode. For this reason, it comes as a surprise to many that as traditional light bulbs (which are incredibly inefficient) are being phased out, the best and most economic alternative is LED lighting.

The main problem we face when suggesting that people should adopt LED lighting as standard is the initial expense. They are far dearer than any other household lighting, so understandably, people are unable to see the benefits. The simple fact of the matter, is that once you've invested in LED lights, they will last up to 25 times longer than any other standard light bulbs, and have a far lower energy cost attached whilst they are in use. Very simply, they are far superior, and are now integral to intelligent control systems that reduce energy consumption

even more.

So, once you've got over the initial outlay (which you will recoup), over the course of an LEDs lifetime, it will save you a considerable amount of money.

### Give Us An Example

Let's say you have ten 50W lamps in your house and they are turned on for an average of 36 hours per week. Over the course of a year, 10 Halogen lamps will cost you £146.95 with a lamp life of 2000 hours. The LED equivalent will only cost you £11.76 to run over the year and a staggering 30,000 hours lamp life. After deducting the cost of the lamps, in the first year, you will save £75.20, over two years, £230.39 and over a period of five years, you will save £695.98 by switching to LED lighting in your home.

Our advice is that the sooner you convert to LED lighting in your home, the sooner you will start reaping the rewards. It's not just our opinion; the [Energy Saving Trust](#) (EST) recently carried out a field trial of LED light fittings in social housing, and reported that LED technology delivered huge energy savings, reduced costs and made residents feel safer.

### Top Lighting Tips

- \* Don't mistake low voltage lights for low energy lights. It's a common mistake and won't save you any money.
- \* If you have recessed lights in your house, make sure they're 'non fire-rated'.
- \* Over heated lights can cause transformers to cut out or fail.

### Athena Electrical's September Offer

We will replace four of your existing recessed light fittings with four Aurora 981 DLM fire-rated down light, complete with 4W LED (equivalent to light emitted by 50W halogen lamp) with 5 year Warranty.

AND ....

If your existing electrical connections aren't in a suitable enclosure, we will fit Scolmore 'Click' Plugs free of charge.

September Offer - £180.00 exc VAT

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