

LED lighting solutions

LEDs (light-emitting diodes) are the most efficient bulb that you can buy today. They typically use around 90% less energy than an incandescent bulb or halogen spotlight, and less than most low-energy CFL (compact fluorescent lamp) bulbs. The advantages of an LED compared to the CFLs that most people are familiar with are:



- They have a much better light quality
- They are instantly bright
- They last much longer, usually around 15-20 years
- They use a lot less electricity

LEDs are widely available in many shops and online. Branded LED bulbs can cost more than their CFL equivalent but after six months to a year you will have made your money back through reduced energy usage, and after that you will just be saving.

JOHN'S STORY

As part of a free South Seeds energy audit we found that a big chunk of local resident John's electricity consumption was due to lighting. The property had 20 halogen bulbs so we fitted an electricity monitor for John to check his electricity usage – the halogen bulbs were costing a lot of money. John made the switch from 50W halogens to 3W LED bulbs, and really likes them.

"The light you get is better, brighter and a cooler white. I am so impressed with them I've been recommending LEDs to friends, family – and even at my dentist," he said.

During the time that he had the electricity monitor John reduced his electricity usage by 40.1%. When we checked nine months later he was still managing to save 33.1%. This continued saving on electricity usage was around 2kW per day, which equals a saving of £106.76 per year. This means that John will be able to pay back all 20 LED bulbs easily within six months. This saving is even better when you consider that LEDs last around 10 times longer than halogens.



JOHN

- Switched from halogens to LEDs
- Cut his electricity use by 40.1%
- Saved nearly £110 on his annual electricity bill

Produced by South Seeds, 514 Victoria Road, Glasgow G42 8BG with support from the Climate Challenge Fund. For more energy fact sheets, information about South Seeds, or if you have any questions, please call 0141 636 3959, email info@southseeds.org, visit www.southseeds.org, or check us out at [Facebook.com/SouthSeeds](https://www.facebook.com/SouthSeeds) and [@SouthSeeds](https://twitter.com/SouthSeeds). South Seeds is a Scottish charitable incorporated organisation, registered in Scotland (No. SCO42244)