

# LED LIGHTING



Light emitting diodes (LEDs), are the most efficient bulbs available. They achieve full brightness instantly, are available in almost all fittings and styles, are dimmable, and come in a wide range of colours, including hues close to traditional incandescent bulbs.

» Lower bills

» Lower carbon footprint

For more information and advice, please contact Sarah Gill on 07720 098980 or [sarah.gill@groundwork.org.uk](mailto:sarah.gill@groundwork.org.uk)

## In more detail:

Energy saving bulbs come in a range of shapes, sizes and brightness. There are energy saving bulbs for every type of fitting, including dimmable and are available in a variety of colour hues.

There have been three generations of low-energy light bulbs: halogen bulbs, compact fluorescent light bulbs (CFLs) and LEDs. Each produce more light for every unit of electricity than their predecessor and each generation lasts for longer too.

LEDs, are the most efficient bulbs available. They are more expensive but they have extremely low energy consumption. In some fittings, they use a tenth of the electricity of the equivalent halogen bulbs. They also have a much longer lifetime than other bulbs meaning you will spend less money on replacement bulbs.

Bulbs come in a wide variety of fittings, such as screws, bayonets or pins. The easiest option is to take the old bulb shopping with you, and compare it to the options available. You can also compare when shopping online, but be aware some fittings look the same but come in different sizes.

The shape of the bulb will affect how the light is distributed. Bulbs with a more traditional or candle shape offer an evenly distributed, diffuse light. Spotlights provide a more focussed light. You do not have to replace bulbs with one of the same shape; any bulb with the same fitting will work.

## What does it cost?

The cost of upgrading to LED lights will depend on how many fittings need replacing. If the average UK household replaced all of their bulbs with LEDs, it would cost about £100.

## How much can I save?

How much you save will also vary depending on how many fittings you have and what type of bulbs you are replacing, for the average UK household, annual savings would be £40. As LEDs last longer, you'll also save money through the need to replace the bulbs less frequently.

## Can I replace the bulbs myself?

Replacing light fittings with an LED bulb is a job you can do yourself, just as you would normally change a bulb. If fitting downlights, this is also something you can do yourself, although if you are ever unsure, then do seek advice from a qualified electrician.

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