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Charity No. 1159816

Energy Advice Drop In

The Wellbeing Centre

Church Stretton

Thursday's 10.00 – 12.00



INFORMATION SHEET No. 2 DATE OF ISSUE February 2015

Updated March 2024

Bulb comparison wattages

LED bulbs are available as a direct replacement for the old tungsten filament bulbs. Increasingly they will become available only as small and large screw fittings.

There is also a 12volt LED available (MR16) for lighting running on a 12-volt transformer circuit. NB Because of the very low load, LED bulbs on transformer designed for halogen bulbs may cause problems. We advise clients ALWAYS to get professional advice before changing over from low voltage halogen to LED bulbs.

Do not mix halogen and LED bulbs on a 12v transformer circuit.

LED Bulb	Incandescent Bulb
3 watts	30 watts
4 watts	40 watts
6 watts	60 watts
7.5 watts	75 watts
10 watts	100 watts
26 watts	125 watts

GU 10 halogen / MR16 LED bulb comparison

100 watt halogen	12 watt LED
75 watt halogen	11 watt LED
50 watt halogen	6 watt LED
30 watt halogen	4 watt LED

Fluorescent Tube Light Wattage LED Tube Equivalent Wattage

70 Watt	24 Watt
58 Watt	22 Watt
35 Watt	18 Watt
20 Watt	9 Watt

LED bulbs are very energy efficient. Also, worth noting many LED bulbs have a life expectancy of between 30,000 – 50,000 hours and if used to replace a light frequently used will quickly recoup the extra cost especially as halogen bulbs have a relatively short life because they run so hot.

LED bulbs also come in a variety of colours.

There are variations in efficiency of LED bulbs and these can be identified by checking the number of lumens (amount of light) they produce

Recessed bulbs, especially halogen should ideally have an air space behind them. This is especially important where there is insulation above the ceiling.

Caution - Please Read this:

Our Advice Note has been carefully prepared and is, as far as we know, accurate at the date of publication. However, things change very fast in the world of technology and in government schemes. Sometimes parts of Advice Notes become outdated and may not offer best advice very soon after publication. We do our best to keep them up to date with the limited resources we have. Furthermore, our advice may not be appropriate for your particular circumstances. We advise that you get advice from a relevant expert before making changes. We may be able to offer further advice or make suggestions on who to contact if you get in touch with us. We are not technical experts but have many years of offering common sense advice and we recommend you should not rely on our Advice Note alone for making decisions. The national advice centre Energy Savings Trust is a good source of information.

See <https://energysavingtrust.org.uk/>