



Are you “Switching Off” on the Green Issue? Well maybe you should be...

Did you know that by changing a standard 100w light bulb to a low energy light bulb you set off a chain of reactions which save more energy than you could ever imagine?

100 watt light bulb – consumes 1 kilowatt hour for every 10 hours of use...

...in a working environment (assuming a normal working year of 40 hours a week, allowing for weekends, bank holidays etc)

That’s 1600 Hours of use = which equals 160 kWh a year

If this light was left on (as can often happen) this figure rises dramatically
24 hours x 7 days x 52 weeks = 873.6kWh

With current rates at 6p a unit the annual bill could range from £9.60 a year –

or as much as £52.40 a year – for one light bulb!!



The potential saving just from **switching off** the lights when you leave a building could result in an annual **80% saving on this figure**

By switching off the lights in any areas not in use as you leave the room or by using motion sensors on lights – you have the potential to save a further **40% per year**

All this before we even consider the benefits of switching to an energy efficient bulb!



Energy Saving Light Bulbs – are they just another fad...or a really Bright Idea?

So if we replace that one bulb with an energy saving bulb, which is typically 25% more efficient - we reduce the cost of the standard bulb to **£1.44 a year - a whopping potential 97% saving**



Apply this to every bulb in your building, or home and the savings are phenomenal

But that’s not all . . .



Imagine all the other electrical devices at work in your home and buildings to which the same ideas can apply – leaving on standby is the same as being on – energy is used and emissions are generated – for no purpose – this energy is wasted.

“Switching Off” these Electrical devices when not in use has the potential to generate huge savings

A very good reason to be “Switching Off”

Light bulbs and other electrical goods also **generate waste heat** simply by being in use –

As much as **40%** of the energy they consume is wasted – where does this heat go? It probably adds extra work to the air conditioning systems you have within your buildings, or escapes through draughts and poor insulation in your walls, roofs and windows – this is all energy you are paying for. It doesn’t even end there - **Carbon Dioxide (CO₂)** Emissions need to be reduced – with the average 100w light bulb responsible for 0.537kg of carbon per hour –

every 1000 units of electricity saved results in a massive **537kg** of carbon reduction – reducing your carbon footprint and helping to prevent global warming. So your home or building could make more difference than you think in the battle against climate change...who knew you could help save the world with such little effort?



So it seems “Switching Off” can save you a fortune and energy saving light bulbs – truly are a “Bright Idea”