



**Please Note**

These "Technical Tips" help sheets aim to answer commonly asked questions in a concise and informative manner – they are for advice only and do not replace any of the manuals or other literature supplied with our products.

**Tip Classification**

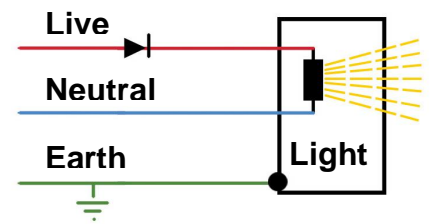
1. **Money Savers**

## How to make a standard tungsten halogen bulb last over 20 years by adding a 30p item!

CCTV cameras do not like to look into bright white lights so always mount tungsten halogen floodlights as high above the cameras as possible.

By adding an electronic component called a "diode" in series with the floodlight, you can 1/2 wave rectify the 240V AC supply to the light. This means that the light will effectively run on half power.

Running a tungsten halogen floodlight using a series diode means that the light output is reduced to a gentler glow and produces less glare for the camera. It also means that the tube is running substantially under its rated voltage, causing its lifespan to be extended up to 30 years! Useful when lights are mounted at a height.



The diode can be connected at a suitable point in the circuit or possibly in the floodlight itself, if this is practical.

**Suggested Diodes 400V 6 Amp**

*Remember, only use a diode that has a higher continuous rating both of voltage and current of the light. Mains voltage and circuits are dangerous, if you are not suitably qualified, leave it to a competent professional.*