

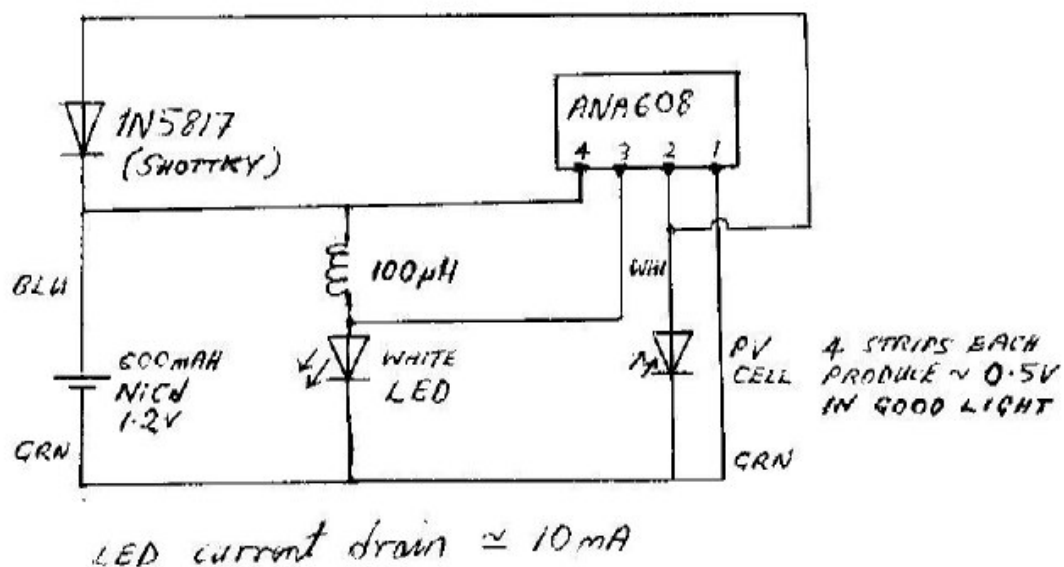
Solar Powered Garden Night Lights

Solar Powered Garden Night Lights: These have been around for several years now but one's in Croydon's Poundland store in Croydon caught my attention recently costing, naturally, £1 each.



I bought a couple to experiment with. I've sketched the circuit below:

Poundland Solar Garden Light
Circuit Diagram G4FDN



The ANA608 is the LED driver IC and works in a similar fashion to a DC-DC switched mode voltage up converter. There are only 5 other components, the Photo-Voltaic cell array, a white LED, a 100uH inductor (I mistakenly identified this as a resistor first – thanks to Gareth G4XAT for putting me right), a Schottky diode and a Ni-Cd cell. Below are pictures of the innards:

