

**Utility Task LED Light from Harbor Freight Tools and how to modify and make a longer lasting emergency light.**

When completed it should run about 36-40 hrs on 3 AAA rechargeable 800mah NiMH cells or even longer on alkaline cells. Amount of light is reduced by about 12x but still plenty for most task related purposes.

As it is purchased it has 3 low capacity AAA cells in it. Replace these and in the process add a 43 ohm resistor in series with the battery cells holder and the rest of the lamp. See the following pictures to see how this is done. Basically one take out 3 Philips screws, then takes out the old cells, then takes out 4 smaller Philips head screws and finds one of the wires coming from the battery holder that goes to the light. It doesn't matter which side of the battery wires coming from the battery terminals is unsoldered. Next solder in series the 43 ohm resistor.

