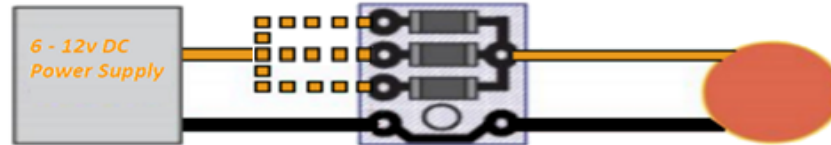# Gaugemaster Lighting PCB Wiring

Start out by using a 6 to 12V **DC** power supply, either of the following transformers will be suitable.

- GMC-WM2 - 9v DC Power Supply
- GMC-WM4 – 12v DC Power Supply

Dotted Orange Lines are optional connections to vary the brightness of Lamp

The colours of the wires used in this illustration are purely for instruction purpose and do not match the colour of the wires installed in the pack

Wiring up the Light and PCB

Step 1: Connecting the Light

- The Lamp or LED needs to be connected to the solder pads on the right hand side of the PCB (Should only have two solder pads on this side)
- Firstly Connect the Positive (Orange Wire) to the Solder pad that joins all the Resistors together.
- Next, Connect the Negative (Black Wire) to the other Solder pad on this side. This forms the Negative part of the circuit.

Step 2: Connecting the Power

- On the Left Hand Side of the PCB there are four solder pads.
- Connect the Negative wire from the power supply (Black Wire) to the solder pad **NOT** connected to the resistors
- Lastly, Connect the Positive Wire from the power supply to one of the three resistors. Depending on which resistor you connect to will vary the brightness of the light.

Step 3: Adding a Switch (Optional)

- Using a Single Pole Single Throw (SPST) GM507 switch you can turn the lights on and off.
- Connect the SPST switch onto the Positive (Orange Wire)