

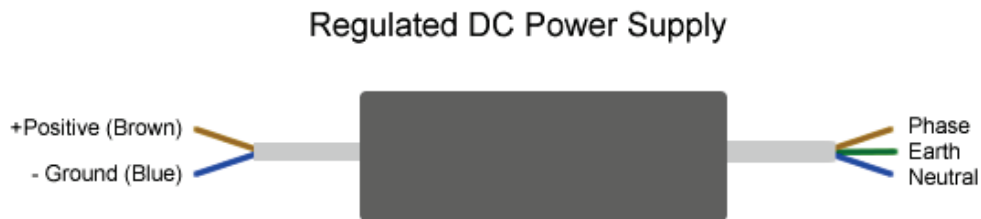
LEDstuff

STRIP LIGHT WIRING

LED Strip Light requires a regulated DC voltage to operate, which is usually 12V DC. When running LED Strip Light from Mains AC power, ensure you install a suitable Power Supply. Note that a 'Transformer' outputs an AC voltage that is not suitable for running LED Strip Light and similar products.

Power Supplies

A power supply outputs a regulated DC voltage which is required by LED Strip Light. LEDstuff waterproof power supplies come with flying wires out each end. At one end Brown, Blue and Green wires are available for connecting to Mains 230V AC. At the other end, Brown and Blue wires are available for the regulated DC voltage. The image below shows this Power Supply wiring.



Note: Some larger Power Supplies have multiple output wires. In this case, they can be used to power multiple loads, however if running a single load they should be connected in parallel.

Strip Light

Single colour Strip Light requires a +12V connection from a Power Supply. Simply connect the Red (+12V) wire to the Brown (+12V) wire of the Power Supply, and the Black (Ground) wire to the Blue (Ground) wire on the power supply.



RGB Strip Light has a 4-Wire connection, where Green, Red and Blue are for the Green, Red and Blue LEDs, and the White wire is the common +12V connection. These 4 wires are usually wired to an appropriate RGB Controller, however to hard wire the strip you can connect the White (+12V) wire to the Brown (+12V) wire on the power supply, and any combination of the Green, Red and Blue wires to the Blue (Ground) wire of the Power Supply.



Note: When running any 12V load the wire length should be kept as short as possible to minimise losses. A rule of thumb when running 0.75mm cable is to run no more than (500 / Watts) in meters. For example, 100W should be less than 5m.

