

Bright Green LED Tape Install Guide

Components required



20 AWG wire



Bright Green Flexi Tape



Power supply



Wire connectors

Layout

Maximum run in series for Bright Green LED Tape is 5 metres. Use another run in parallel to connect more.

When connecting any kind of high power LEDs in series you may experience voltage drop. Voltage drop can cause LEDs to be dimmer at the end furthest away from the power supply. Therefore, for Bright Green High Power Tape, we recommend powering runs of more than 4 metres from both ends.

The distance from the power supply to the LEDs should be no more than 2 metres. If you need a cable longer than 2 metres please speak to us about using a different gauge of cable.

When installing LED tape into light boxes or signs we recommend spacing the strips at the same distance as the depth of the box less 10mm. For example a box of 70mm deep would have strips placed at 60mm apart. We always recommend testing LED tape in application to ensure no visible flaring or striping.

Electrical connection

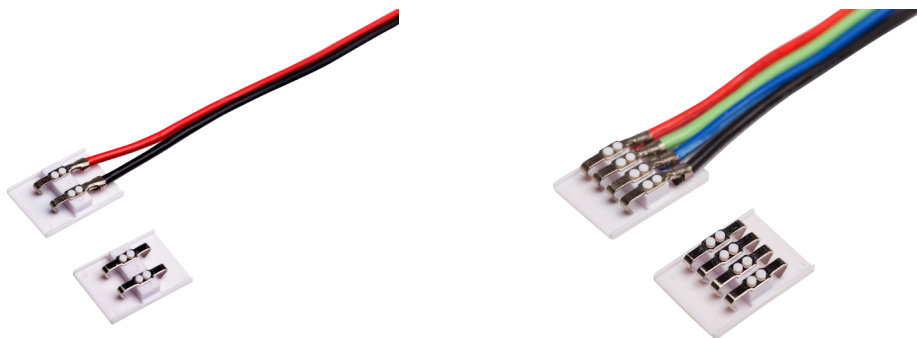
1. Cut to the closest cut line. IP 20 LED tape can be cut with sharp scissors. We recommend using a sharp Stanley knife to cut the resin coated IP65 version.



Bright Green LED Tape Install Guide

Electrical connection (cont.)

2. LED tape is supplied in 5 metre reels with 100mm cable tails at each end. If the layout requires cutting, either solder new cable onto the end or use a quick connector.



3. Connect to power supply and test before installing into desired location. Cap all unused wires.

4. Ensure the fixing surface where the tape is to be installed is clean and dry.

5. Peel backing tape and adhere to fixing surface. If the LED Tape is applied and then removed the adhesive will become ineffective.

We recommend that extra mechanical fixings are considered for long term installations, long runs or harsh environments.

Power supply table

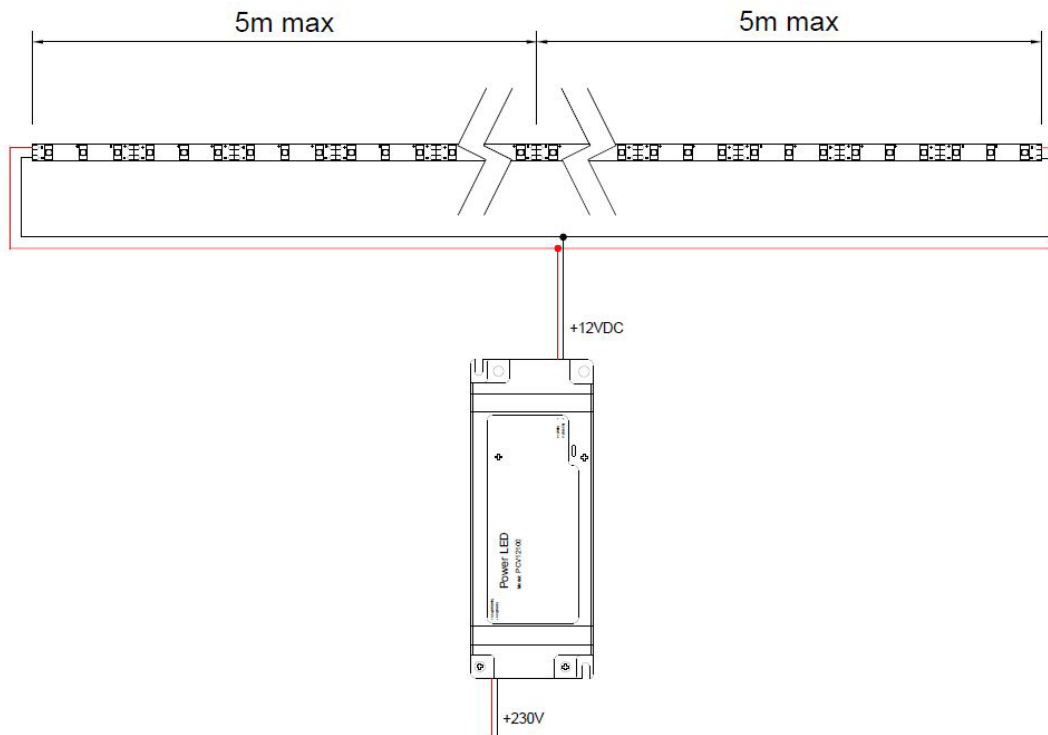
Example power supply configurations

| Product code | Voltage | Max. Watts | Max. run of Low Power LED Tape | Max. run of High Power LED Tape |
|--------------|---------|------------|--------------------------------|---------------------------------|
| PCV-1236 | 12V | 36W | 7 metres | 2 metres |
| PCV-1260 | 12V | 60W | 12 metres | 4 metres |
| PCV-12100 | 12V | 100W | 20 metres | 6 metres |
| PCV-12150E | 12V | 150W | 30 metres | 10 metres |

Bright Green LED Tape Install Guide

Electrical layout example

Example in series



Example in parallel

