

ESSENTIAL 5M DIY LED TAPE KIT

Introduction:

Thank you for purchasing the Essential 5m DIY LED Tape Kit. LED tape is ideal for use on the underside of a counter tops, shelves, cupboards, around window frames or in an alcove of a ceiling to name just a few examples.

Before starting please ensure that you have read this instruction leaflet carefully. If you are unsure about anything please have this installed by a competent installer.



Blister Contents:

1 x 5m reel of LED tape, 1 x Power supply

Possible Required tools: Scissors, Craft knife, Soldering iron and solder, 2 core DC wire and heat shrink tube.

Step 1: Preparation

Ensure that the surface you are attaching to is clear of dust and dirt. Clean thoroughly and leave to dry before fitting the tape.

Unravel the tape and connect the power supply. Check that all the LEDs are functioning correctly and if there are any faults return to your retailer without delay.

Step 2: Cutting

WARNING: Disconnect from the power supply before attempting any cutting.

Measure out each section and cut with sharp scissors at the marked 5cm intervals to achieve the perfect length. Do not discard any excess tape as it can be easily reconnected and used again (see FIG 2).

Step 3: Fitting:

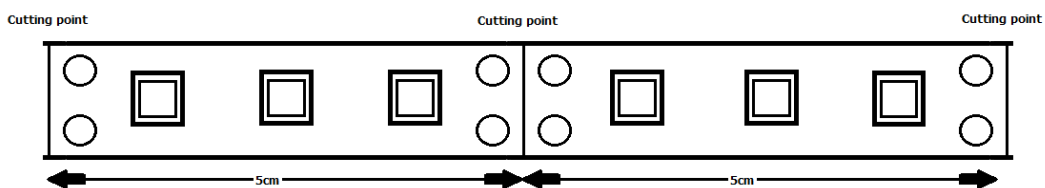
Example 1: Simple straight run.

Clear the area you wish to install the tape and remove the backing paper, exposing the adhesive tape. Push tape firmly onto the surface. It is recommended to work on 50cm sections at a time in order to ensure a professional finish. When you reach the end of your installation cut at the marked cutting point.

Example 2: Requires cutting:

The tape can be cut at highlighted 5cm intervals for a perfect fit.

FIG 1:

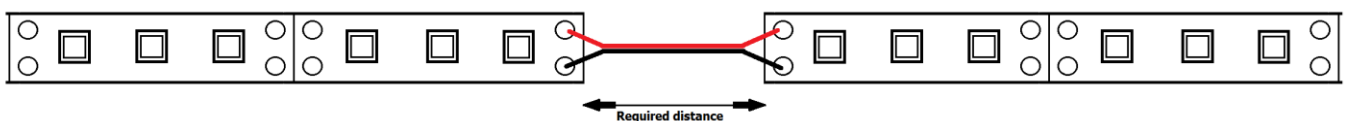


You may also reconnect the two pieces by soldering the connection points together (FIG 2). The tape has two tracks for the DC voltage with + positive pole at the top and - negative pole at the bottom.

To reattach, use a craft knife to cut the Epoxy coating from the terminals.

Use a soldering iron and solder to connect the DC wire to the relative terminals be sure not to cause a short circuit when making these connections, as this will result in malfunction and possible damage to the power supply.

FIG 2:



WARNING: Only cut the tape on the highlighted intervals. Cutting the tape in other parts without due care will permanently damage that section of the tape and will result in malfunction.

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Points to remember when using this tape

- 1) Only use the supplied power adaptor for 5m of tape.
- 2) Only cut the tape at the highlighted 5cm intervals.
- 3) Do not connect another reel and operate from a single power supply as this will seriously affect the performance..
- 5) Ensure you connect + and - the correct way round or the tape will not work.
- 6) Ensure that when soldering there are no short circuits
- 7) We recommend use of heat shrink tubing and silicone glue to protect the connection.
- 8) Check that everything operates correctly before installing.

FAQ:

Q) Can I connect different colours in a chain?

A) Yes all the LEDs draw the same power, current and have the same connection but do not exceed 5m.

Q) Can you cut a 5m tape into many different sections then connect them all together?

A) Yes as long as you cut the tape at 5cm intervals highlighted.

Q) I have connected two reels together from one power supply and the LEDs are dim towards the end.

A) This product is designed to be used at a maximum of 5m. Anything longer will seriously affect the performance.

Q) Can I connect the tape together to form a loop?

A) Yes you can. This will balance the brightness of LEDs across the 5m length

Q) Can I use the tape outdoors?

A) Yes, the tape is IP65 rated. Ensure that the terminated ends are weatherproofed.

Q) Can I clean the tape?

A) Yes, the tape is IP65 rated and has an epoxy coating. Just wipe down with a damp cloth regularly to ensure continuing brightness

Q) Can I replace / patch damaged tape with a new piece

A) Yes, just highlight the affected area by the 5cm intervals. Cut out the faulty section then fit in a new piece soldering the connections securely and using heat shrink to protect the repaired connection.

Specifications

Power adaptor	12Vdc, 2000mA (supplied)
Power connection	DC5521 jack
LEDs per metre	60
LED type	SMD2835
Beam angle	140°
LED spacing	16mm
IP rating	IP65
Reel length	5m
Cross-section	8.2 x 2.7mm
Weight (5m reel)	175g



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.