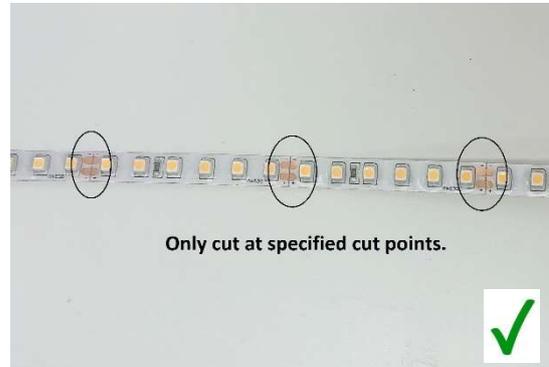


Volans LED tape Installation

The following points should be observed when using LED tape. Failure to follow these points will result in premature failure or unsatisfactory performance of the LED tape.



Never bend or twist the tape around corners as overheating and failure can result



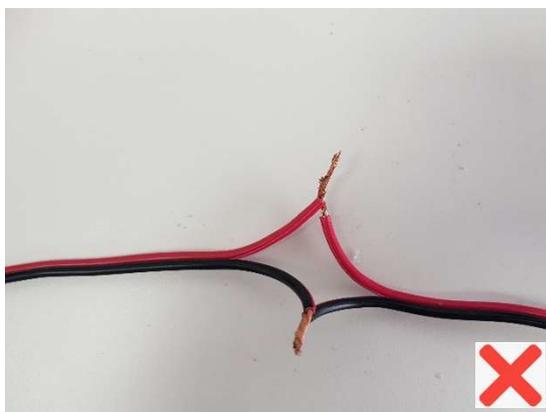
Only cut at the designated cut points.



Do not power the tape while still on the Reel – overheating will result. Do not allow Tape to sag or hang, as strain can damage it.



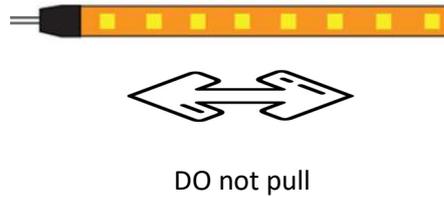
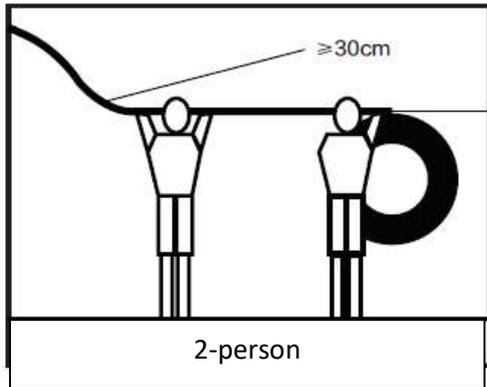
Ensure the driver being used has a higher Power rating than the load applied. Do not Connect live.



Ensure all connections are good, and of a Suitable IP rating for the application. Poor Connections can draw in moisture.



Ensure the tape is adhered to a clean metallic surface to dissipate heat. Do not Reposition once adhered.



Do not allow the tape to sag or hang, as this can damage the electrical connections within it.

Please observe the following points when installing LED tape. The reliability of the LED is directly related to the standard of installation.

- 1) Ensure a suitable location is identified for the driver. It is advisable to use a driver with at least 25% more capacity (wattage) than the load it is driving. It is also advisable to locate the driver as close to the LED as reasonably possible.
- 2) LED tape is 'constant voltage' and as such is always wired in parallel.
- 3) For runs in excess of 5m in total, it is necessary to power the tape from both ends. (SEE BELOW DIAGRAM)
- 4) Keep all DC cables as short as practicably possible to avoid 'volt drop'.
- 5) **Do not hit or press the LED tape to avoid damage to the chips and current limiting resistors.**
- 6) Do not allow the tape to hang or sag, as strain can damage it. Tape should never be under stress or strain – never under tension.
- 7) Always mount the LED on a metallic surface to prevent overheating. Ensure the mounting surface is clean and free of grease, oil and contamination.
- 8) Never bend, crease or fold the LED tape – doing so can cause 'dark spots' between cut points.
- 9) If the LED is being mounted in a damp location, ensure IP rated connections are used – we recommend gel filled connectors.
- 10) If the driver has an earth wire or terminal, this must be used.

If LED strip is greater than 5m then circuit must be wired as a ring.
 Drivers can be mounted up to 20m away, provided the above is respected and 1.5mm cable used from the driver to the LED strip. In cases of drivers mounted over 10m from strip a bench test is recommended.

