

LED Technologies

Creative LED & Effect Technology for the Trade Professional

IMPORTANT

GUIDE TO INSTALLING LED STRIPS



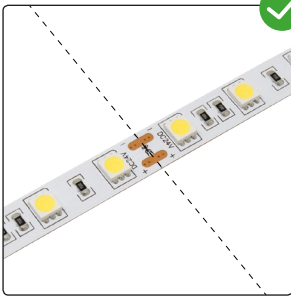
PLEASE READ BEFORE USE

For professional use only

Please read the whole document before installing

- LED Strip Lights should be installed by a qualified electrical installer, according to the instructions detailed in this guide.
- Always switch off the power at the mains before attempting to carry out any electrical work.
- Never cut, remove or reposition the LED strip with the power applied.
- Never link LED strip in lengths longer than 5m except where the strip is designed to do so.
- For safety, avoid looking directly at the LED chips when lit.
- When installing waterproof LED Strip Lights, the entire electrical installation needs to be sealed and protected from water ingress.
- Whilst our intention is to cover all points regarding handling and installation it is impossible for us to be aware of your specific installation, therefore if you have any concerns that may not be covered in this document please contact us directly.

Do's



Use the cutting points

Only cut the LED strips at the marked cutting points, cutting anywhere else will damage the Strip.



Join Strips together

Carefully scrape off the lacquer from the copper tabs before soldering or using connectors to join Strips.



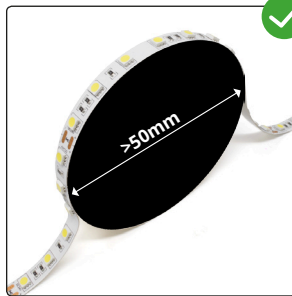
Use the adhesive backing

Before using the sticky adhesive please ensure that the surface is flat, dry and clean. For extra durability use fixing clips.



Support the reel

When installing LED Strip Lights it's important that somebody supports the reel and feeds it out as required.



Apply curves >50mm

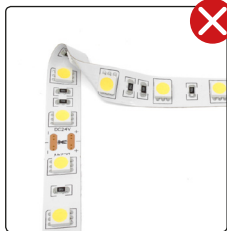
A minimum bending diameter of 50mm must not be exceeded when following a curved pattern.



Use waterproof connectors

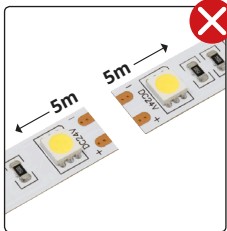
When installing waterproof LED Strips Lights you must also use waterproof connectors (See back page).

Don'ts



Don't bend around corners

Unless using a specialist strip such as our Sidewinder Series, standard LED Strips must not be bent left or right.



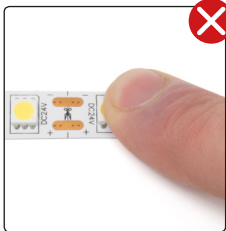
Don't Daisy Chain

Do not join strip together in lengths longer than 5m. Linking over 5m in one line will overload the strip causing it to fail.



Don't use the wrong driver

Ensure you use the correct voltage and wattage driver. We recommend that you load a driver no more than 75% of the rated wattage.



Don't apply force to the LED's

When sticking the strip into place do not apply excessive pressure to the strip or components.



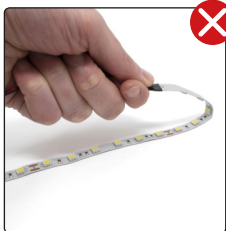
Don't stretch or strain

Don't pull the strip from the reel without assistance as it will put undue strain on the components.



Don't power up while coiled

Do not apply power to the strip light while it is rolled onto the reel for more than 5 seconds as it will seriously overheat causing it to fail.



Don't reposition

It is important to carefully plan your installation. Once stuck in place do not peel off and reposition. Doing so will damage the components.

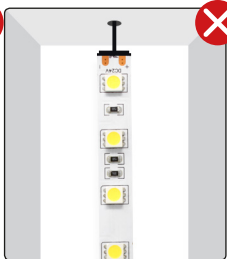


Don't void the IP Rating

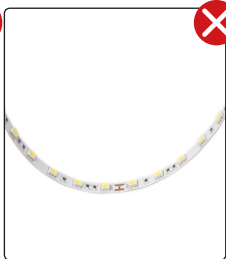
Waterproof connectors must be used on waterproof installations to prevent water ingress. (See back page)



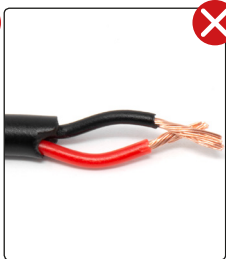
Don't Twist



Don't Hang



Don't Droop



Don't Short

Waterproof

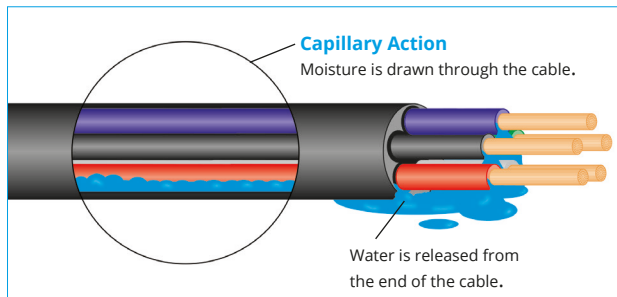
When installing waterproof LED Strip Lights, the entire electrical installation including termination points needs to be sealed and protected from water ingress. Water ingress is a slow process and can take 2-3 years to present any problems. Any damage from water ingress is not covered by your guarantee.

Water Ingress / Capillary Action

When a waterproof LED Strip Light heats up, the air inside the enclosure expands. If there are any exposed connections in the installation the air will escape, causing any moisture present to be drawn up through the cables back into the LED housing. This would result in permanent damage to the electronic circuitry, voiding your guarantee!

We supply a range of IP68 connectors and enclosures.

All of our waterproof connectors are pre-filled with silicone gel. When clamped down a watertight seal is created around the connection stopping any possibility of water ingress.



100.669

Micro 3 way splice connector
19.4mm x 11.8mm x 8.2mm



100.980

H-ZERO Gel Connector
41mm x 28mm x 28mm



100.981

H-ONE Gel Connector
45mm x 37mm x 24mm



100.982

H-TWO Gel Connector
35mm x 39mm x 24mm



100.983

FD Gel Connector
80mm x 36mm x 23mm



100.984

BY Gel Connector
75mm x 28mm x 19mm



100.985

BR Gel Connector
63mm x 41mm x 28mm

Struggling with your installation? Contact our technical support team:

Tel: 01260 540014 | Email: sales@ledtechnologies.co.uk | www.ledtechnologies.co.uk