

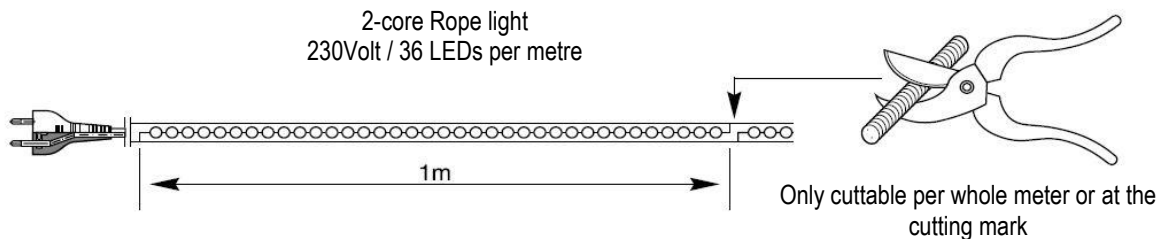
# TRONIX

## LED ROPE LIGHT INCANDESCENT INSTALLATION INSTRUCTIONS

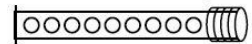
Article: 485-100

### Installation instructions

1. Make sure the rope light and power cable are disconnected from any power supply if you are going to work on it.  
Never connect the power supply when the rope light is still on its reel, as the heat build-up may cause a fire hazard.  
Never cover the rope light while it is illuminated.
2. Check that the voltage of the rope light corresponds with the mains voltage of the electricity supply.
3. Only cut the rope light at the mark indicated, otherwise part of the rope light will become permanently unusable.  
Make sure it is not connected to any power supply.  
Use a sharp cutting tool and ensure a smooth straight cut.



4. Power cables and connectors.  
It is not permitted to use power cables and connectors other than the originals, and you must always work according to the instructions supplied. Seal the end with a glued end cap. The power cables and connectors should be glued as well. Use the special glue available from your dealer. Allow the glue to harden for 15 minutes before proceeding.



5. Due to the dangers associated with heat build-up, you must never place rope lights directly alongside each other nor bundle them. Fit the rope lights so that there is adequate ventilation and heat can easily dissipate.
6. The halogen light bulbs used in the rope light are in fact normal halogen light bulbs. That is to say: the more burn hours, the more sensitive they get to vibration and impact.

So pay attention to the following:

- Do not use a hammer when fitting. Avoid placing ladders against the rope light (painters, cleaners).
  - Do not fit to surfaces that vibrate or flap in strong winds.
  - Provide ornaments suspended above streets and malls with enough space to move around with the wind slightly.
7. Fit the rope light with the 'front' in view (meaning the side with the greatest light output).

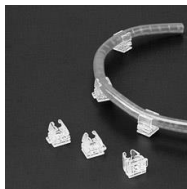
### 8. Fitting

Depending on the circumstances, various fitting methods are possible.

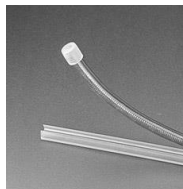
Use cable ties for tensioned wires or preformed frames (use UV-resistant quality outdoors). For straight lines, plastic or aluminium channelling is available. Flexible channelling is also available for bends. Crocodile clips may be used for both straight lines and bends.

Attachment interval: the recommended distance between clips or cable ties is 20 cm horizontally and 30 cm vertically.

When fitting in plastic or aluminium ducts: make sure the rope light is not twisted in the duct (front to face forward, see point 7).

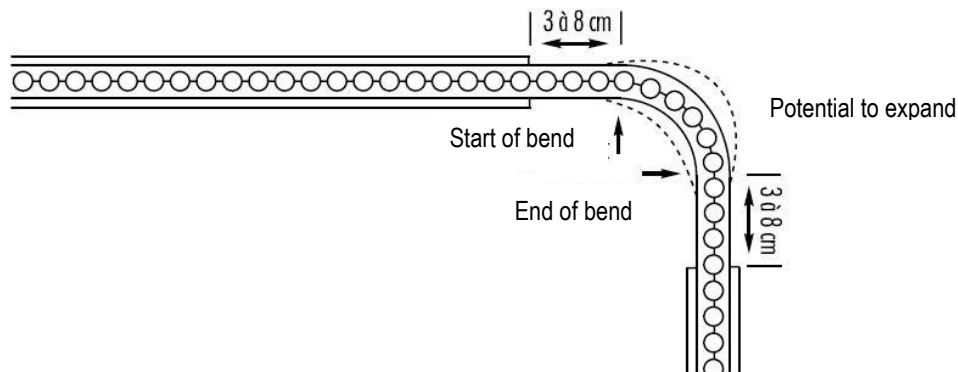


Crocodile clip  
art.no. 485-060

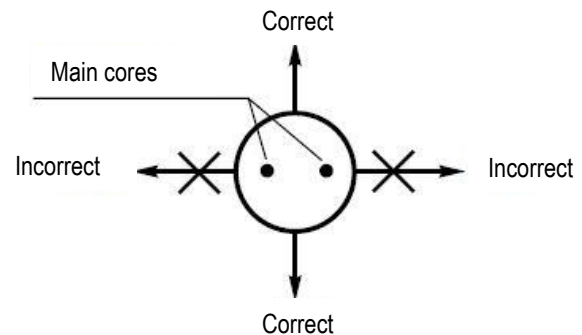


Fitting in a duct  
PVC: 485-160  
PET: 485-165  
ALU: 485-170

9. Rope light has an expansion coefficient of 0.3% between minus 20° and plus 40°. That is to say, the length difference per meter can be as much as 3 mm. Take this into account when fitting rope light in a duct. That is to say that at least 6mm of space must be retained between two ducts (of 2m). When fitting a bend, you should allow a gap of 3 to 8 cm between the duct and the start of the bend. This allows the rope light to expand or contract.



10. Mounting in publicly accessible spaces  
For instance in shopping malls: high enough that it is out of reach.
11. Handling  
It is important that the rope light is first preheated (especially at low temperatures) before it can be handled. You can do this by connecting the required length to the power supply. Activate the rope light for a few minutes until it becomes supple. This is particularly important when fitting bends. Disconnect the power supply before starting the installation process.  
**Always unwind the rope light from the reel.** This prevents loops or coils that could damage the internal wiring.
12. Bending  
Due to the presence of main cores in the rope light, it is extremely important to bend the tube perpendicular to the core line.  
(see image)



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