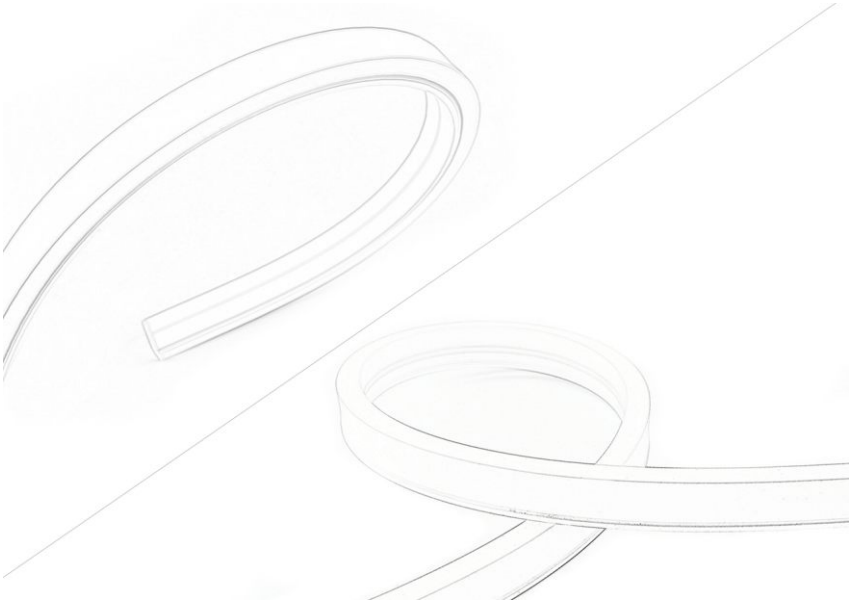
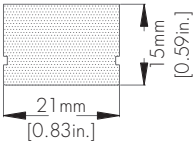
High Voltage LED Neon Strip
AC Alpha Run Series
Top-Bend 900CD & Side-Bend 901CD
USER INSTRUCTION



E-mail: info@gHeds.com
Tel: +86-0760-89978888
LinkedIn: General Lighting Electronic Co., ltd
Youtube: General Lighting
Website: www.gHeds.com

Preparation

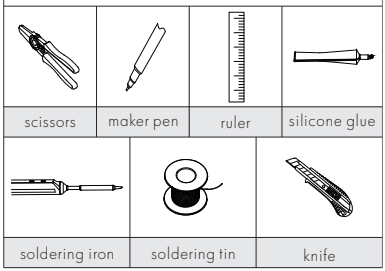
Sectional View



High Voltage LED Strip

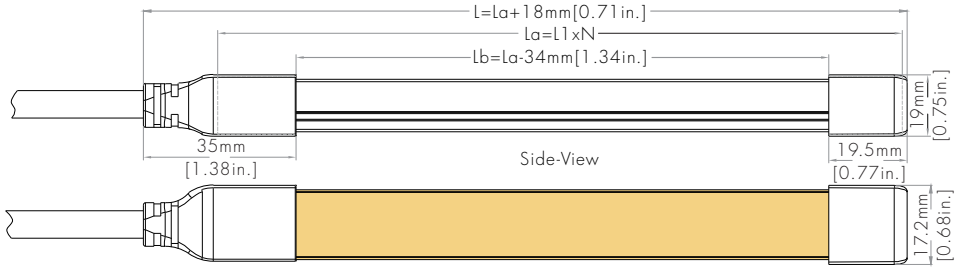


Tools

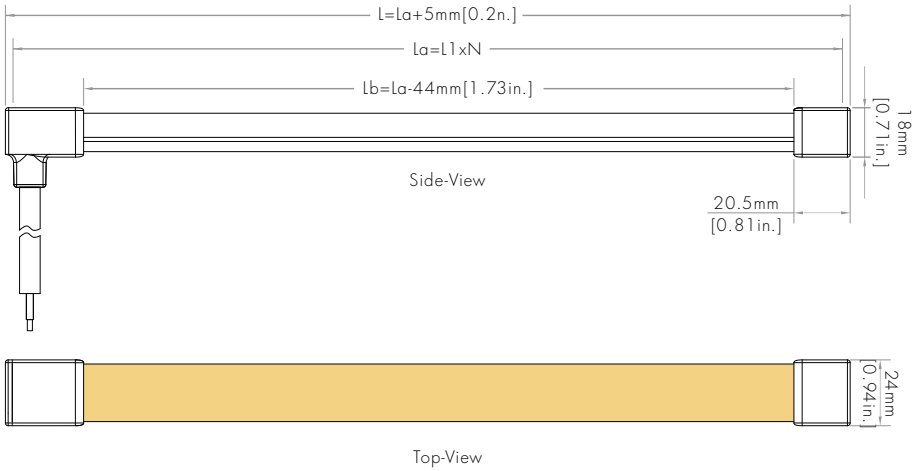


Dimension(Power entry at the tail)

L: Total length
Lb: Illumination surface length
N: Number such as 1,2,3 ``````N
La: Length of LED strip light
L1: Minimum unit length

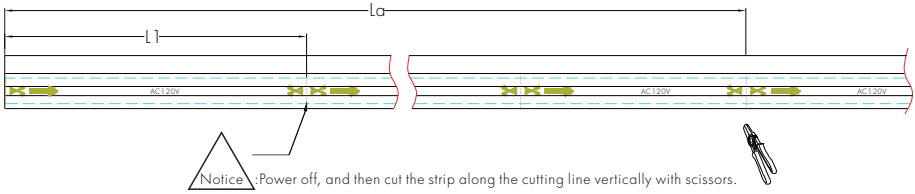


Dimension(Power entry on the bottom)

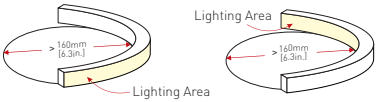


Cutting

La: Length of LED strip light, L1: Minimum unit length.

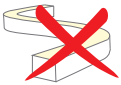


Bending & Twisting



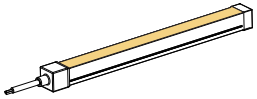


Max. twist angle is 360° per meter.

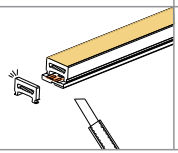
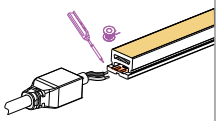
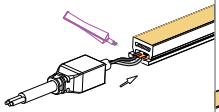
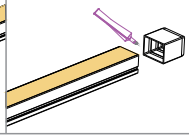


Can't be side- bend

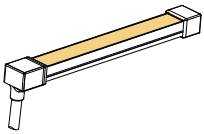
Assembly(Power entry at the tail)



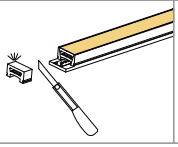
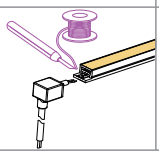
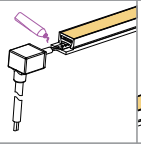
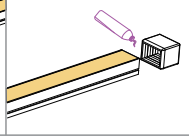
	
Front Cap	End Cap

Cut off some parts of upper silicone jacket in 3mm[0.12in.] length carefully, until these upper solder pads on PCB are exposed.	Solder the power cable to the upper solder pads on PCB.	Fill the inner part of front cap by silicone glue completely.	Fill the inner part of end cap by silicone glue completely.
			

Assembly(Power entry on the bottom)

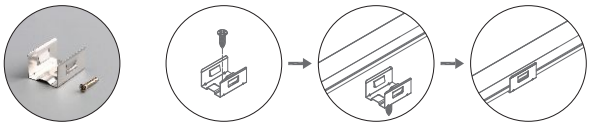


	
Front Cap	End Cap

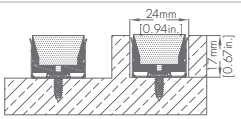
Cut off some parts of upper silicone jacket in 3mm[0.12in.] length carefully, until these upper solder pads on PCB are exposed.	Solder the power cable to the upper solder pads on PCB.	Fill the inner part of front cap by silicone glue completely.	Fill the inner part of end cap by silicone glue completely.
			

Installation

Option 1: Fixed by bracket + screw

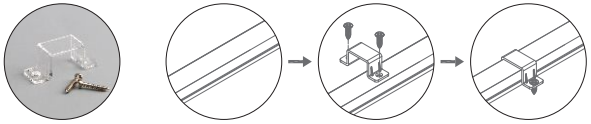


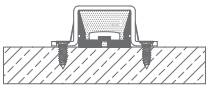
Groove Size is shown below



It's recommended to apply at least 2pcs brackets (2pcs screws) per 1M[3.28ft.] length of strip.

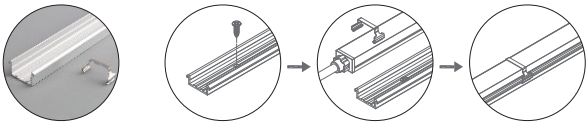
Option 2: Fixed by clip + screw

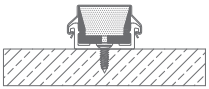




It's recommended to apply at least 2pcs clips (4pcs screws) per 1M[3.28ft.] length of strip.

Option 3: Fixed by aluminum channel + clip (outdoor exclusive)

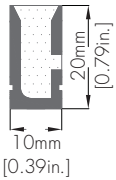




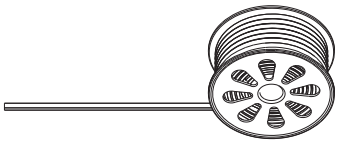
Standard length of aluminum channel is Lb: Illumination surface length (at least 2pcs screws) per 1M[3.28ft.] length of strip.

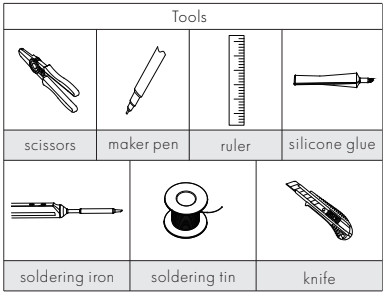
Preparation

Sectional View



High Voltage LED Strip

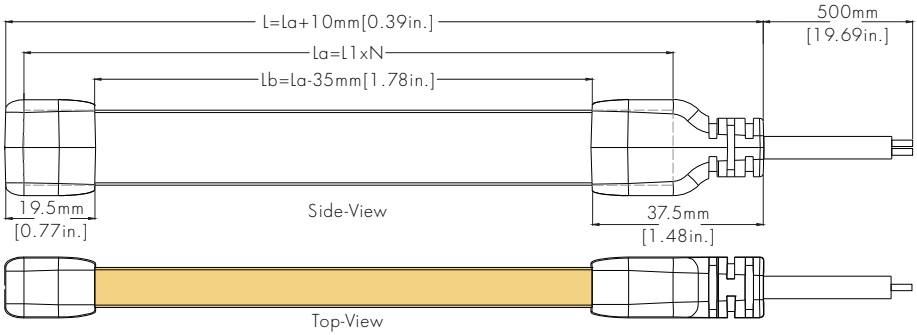




Dimension(Power entry at the tail)

L: Total length
Lb: Illumination surface length
N: Number such as 1,2,3 ``````N

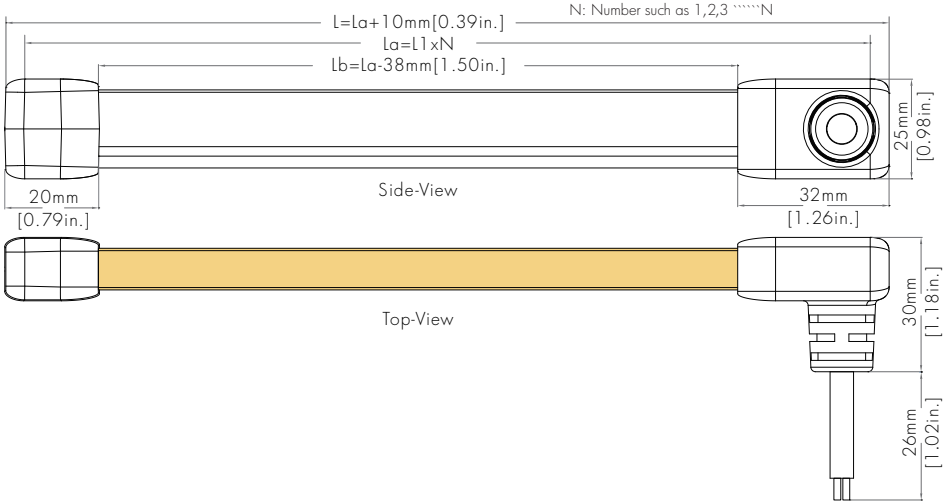
La: Length of LED strip light
L1: Minimum unit length



Dimension(Power entry on the side)

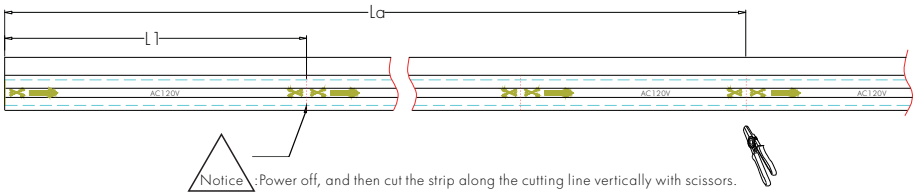
L: Total length
Lb: Illumination surface length
N: Number such as 1,2,3 ``````N

La: Length of LED strip light
L1: Minimum unit length



Cutting

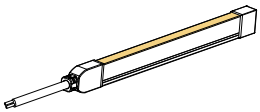
La: Length of LED strip light, L1: Minimum unit length.

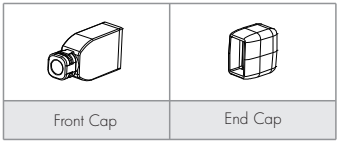


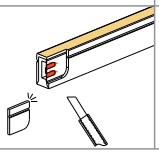
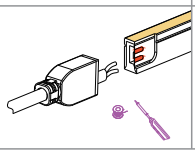
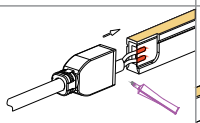
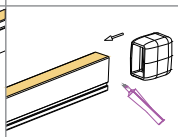
Bending & Twisting



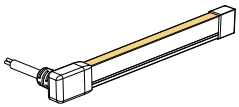
Assembly(Power entry at the tail)

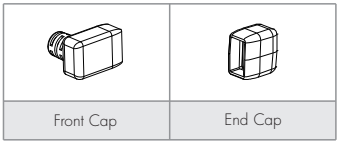


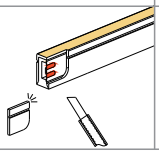
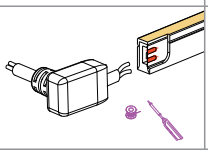
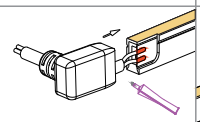
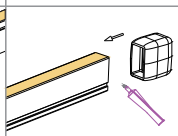


Cut off some parts of bottom silicone jacket in 3mm[0.12in.] length carefully, until these bottom solder pads on PCB are exposed.	Solder the power cable to the bottom solder pads on PCB.	Fill the inner part of front cap by silicone glue completely.	Fill the inner part of end cap by silicone glue completely.
			

Assembly(Power entry on the side)

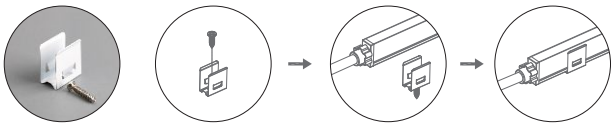




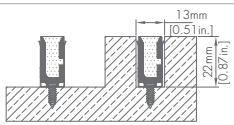
Cut off some parts of bottom silicone jacket in 3mm[0.12in.] length carefully, until these bottom solder pads on PCB are exposed.	Solder the power cable to the bottom solder pads on PCB.	Fill the inner part of front cap by silicone glue completely.	Fill the inner part of end cap by silicone glue completely.
			

Installation

Option 1: Fixed by bracket + screw

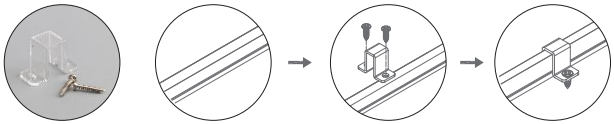


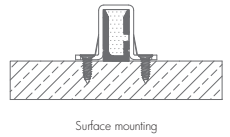
Groove Size is shown below



It's recommended to apply at least 2pcs brackets (2pcs screws) per 1M[3.28ft.] length of strip.

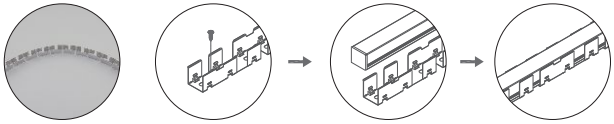
Option 2: Fixed by clip + screw



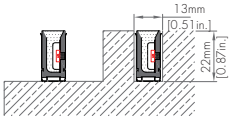


It's recommended to apply at least 2pcs clips (4pcs screws) per 1M[3.28ft.] length of strip.

Option 3: Fixed by bendable bracket.

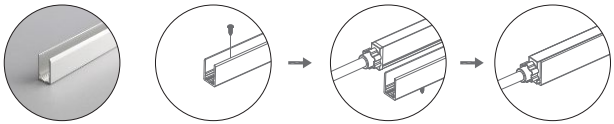


Groove Size is shown below

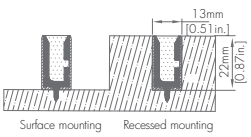


Standard length of bendable bracket is Lb: Illumination surface length (screw quantity is according to the actual application) per 1M[3.28ft.] length of strip.

Option 4: Fixed by aluminum channel + screw



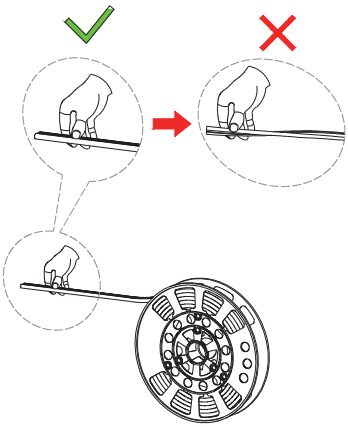
Groove Size is shown below



Standard length of aluminum channel is Lb: Illumination surface length (at least 2pcs screws) per 1M[3.28ft.] length of strip.

Caution

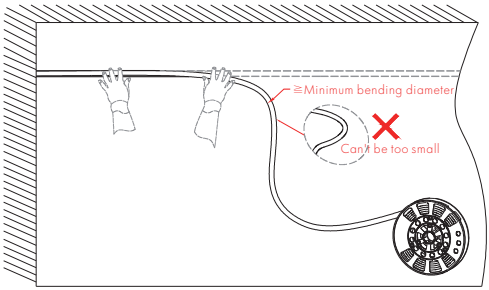
1.① When unpacking and dragging out the strip, it should be pulled out slowly along the right direction and avoid twisting.



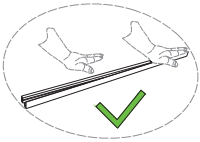
2.When installation

① The minimum bending diameter is 160mm[6.3in.] for Top-Bend 900XD and 120mm[4.7in.] for Side-Bend 901XD.

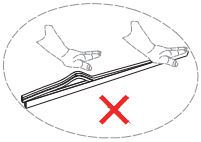
② The minimum twisting angle is 360° per 1000mm[39.4in.].



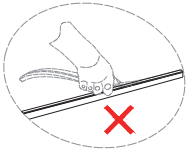
3.When installing into alumimum channel or bendable bracket.



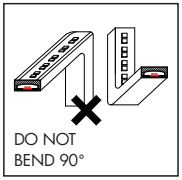
Strip should all be pre-placed into the aluminum channel or bendable bracket together and then pressing down in sequence.



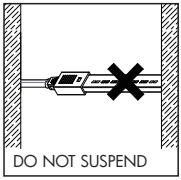
② No small ane bending when pressing insides.

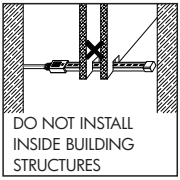


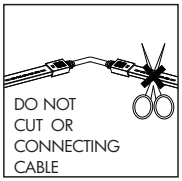
③ Avoid repeatedly pulling out and pressing down on the strip.



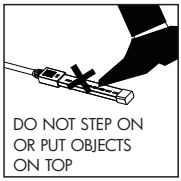














Notice

1. Do not install the luminaire when power is on. Before power on, make sure the wiring is correct.
2. IP65 version is rated for indoor and outdoor application.
3. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings.
4. Avoid scrape, twist and irregular-bend during installation, it might cause a non repairable status.
5. To protect your eyes, do not stare at the luminary for a long time while it's illuminated.
6. Minimum bending diameter definition, is 120mm[4.72in.], too small bending diameter will break the luminary.
7. Minimum twist angle, is 360° per 1000mm[39.4in.] .
8. Luminary linked in over long length will lead to problem of overload or uneven brightness.
9. Only professional personnel can install, dismantle and repair.
10. Bend and twist diagram is shown as below.

Safety Instruction

Luminaires with non replaceable and non-user replaceable light source, the instruction sheet shall contain following information:

11. For non replaceable light sources:
    The light source of this luminaire is not replaceable, when the light source reaches its end of life, the whole luminaire shall be replaced.
12. For non-user replaceable light sources:
    The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
13. For all rope lights where the packing has not been adapted for display purposes:
    - Do not open or cut the rope light.
    - Do not connect the rope light to the supply while it is in the packing or wound onto a reel.
14. For rope lights which rely on gaskets to provide the specified degree of protection against dust, solid objects and moisture:
    - THIS ROPE LIGHT MUST NOT BE USED WITHOUT ALL GASKETS BEING IN PLACE.
15. For rope lights intended for interconnection:
    - Do not connect this rope light to another manufacturer's product.
    - Interconnection shall be made only by the use of the supplied connectors. Any open ends must be sealed-off before use.
    - Maximum system length that may be interconnected, maximum wattage that may be interconnected.
16. For rope lights incorporating lamp bridging device(s):
    - Information stating that the rope light is fitted with a bridging device(s).