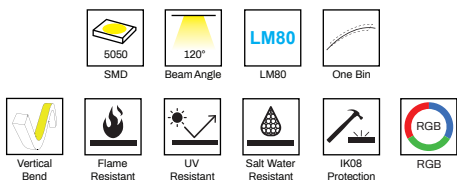


## AQUA RGB



### DESCRIPTION:

AQUA RGB vertical bend series constructed using Silicon extrusion process. Uniform, dot free light emission, good appearance consistency. Anti-yellowing, high temperature and corrosion resistance, weak acid and alkali resistance UV proof for true outdoor applications. Easy installation with clips and bendable track. Cuttable for Flexible application. Control mode : DALI / DMX.

### TECHNICAL DETAILS:

Power : 10W/M  
Voltage : DC24V  
CRI >90  
Length/Reel : 5M/10M  
Cutting length : 100mm  
Led Qty : 60LEDs/M  
Working Temperature : -25~55°C  
Storage Temperature : -30~80°C  
Voltage Range : 23~25V dc  
Reverse Voltage : 25V dc  
Warranty : 5 years

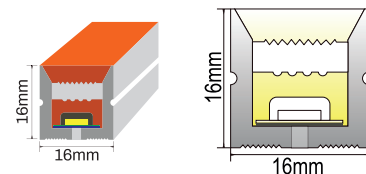
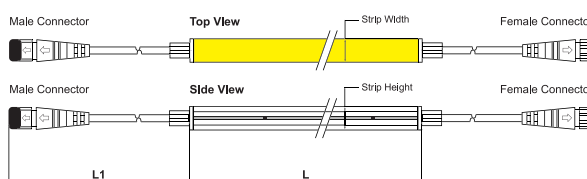
### LUMENS PER METER:

CCT	10W
R	37lm
G	90lm
B	19lm

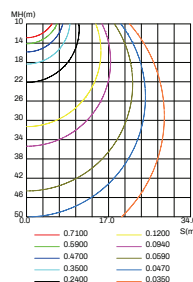
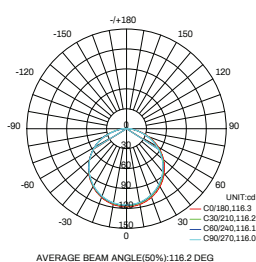
### INSTALLATION : Vertical Bend

Product Code : 8911616

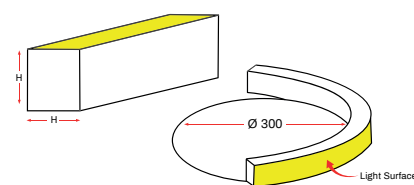
### DIMENSION:



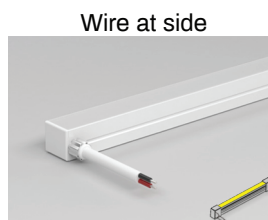
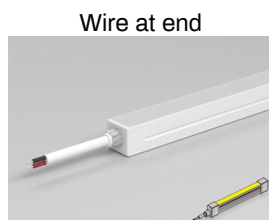
### LIGHT DISTRIBUTION:



### BENDING:



### End cap



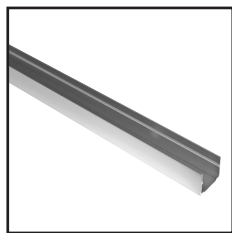
### Standards

EN 60598-1  
EN 60598-2-2  
EN 60598-3-2

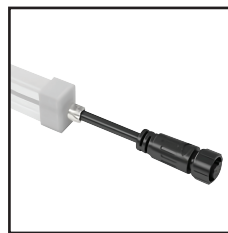
Order Code Ex : 8911616  
Product Code 8911616  
Power 10-10W  
CCT 92-RGB

Pluxb luminaires are developed with globally recognized and tested components suppliers, however as per international standards tolerance in initial flux and connected load is at  $\pm 5\%$ . Unless stated otherwise, the values apply to an ambient temperature of 25°C

## ACCESSORIES



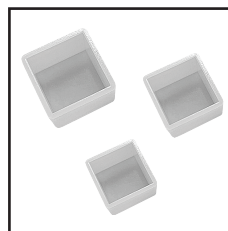
Aluminium Profile  
Order Code : 8911616-01  
Dimension : L1000xW20.5xH17.6mm  
Material : aluminium  
Color : silver



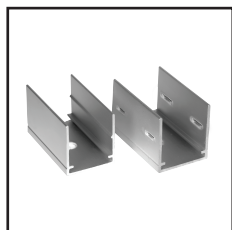
End Cap 4PIN  
Order Code : 8911616-06  
Color : white  
Cable entry : front/side/bottom  
Picture : front



Curved Profile  
Order Code : 8911616-02  
Dimension : L500xW17xH15mm  
Material : stainless steel  
Color : silver



Closed End Cap  
Order Code : 8911616-07  
Material : silicone  
Color : white



Mounting Clips  
Order Code : 8911616-03  
Dimension : L20xW16.6xH12.4mm  
Material : stainless steel  
Color : silver  
Each meter led strips needs  
2 clips + 2 screws



IP67 T Type Connector  
Order Code : 8911616-08  
Wire Gauge : 0.326mm<sup>2</sup>/22AWG  
Protection : IP67 (Mated)



IP67 Connector 4PIN  
Order Code : 8911616-04  
Wire gauge : 0.326mm<sup>2</sup>/22AWG  
Protection : IP67 (Mated)  
Connector type : Male

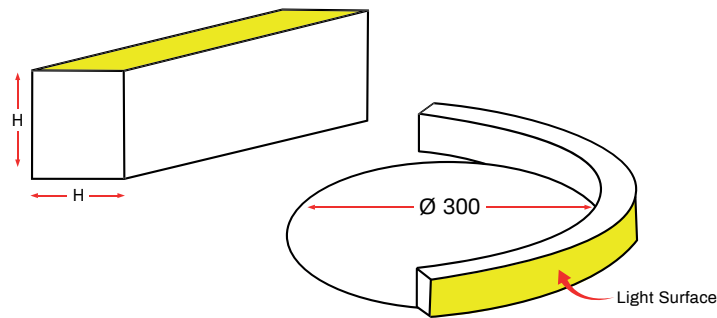


Scissor  
Order Code : 8911616-09

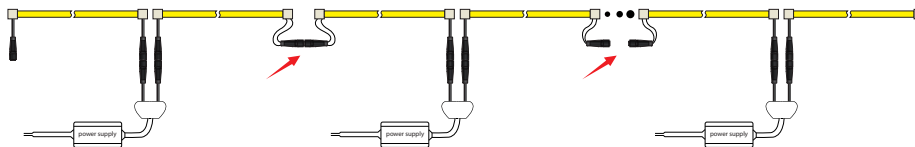


IP67 Connector 4PIN  
Order Code : 8911616-05  
Wire gauge : 0.326mm<sup>2</sup>/22AWG  
Protection : IP67 (Mated)  
Connector type : Female

## ADDITIONAL INFO



- ▶ Please light it up for a quick check before installation.
- ▶ Bending diameter of AQUA RGB 1616 is 300mm, do not bend to side direction, or bend too sharp or twist. If bend it wrongly, PCB inside will be damaged and the lighting fixture will not turn on.
- ▶ During installation, please make sure there are at least two workers to cooperate together and strictly follow the instruction manuals.
- ▶ Warranty : All LED light are warranted to be free from defects in product itself for 5 years from the date of purchase. This warranty does not cover failures due to abuse, misuse, improper handling, act of nature, negligence, normal wear, accidental damage, repairs made by the purchaser or incorrect voltage conditions.



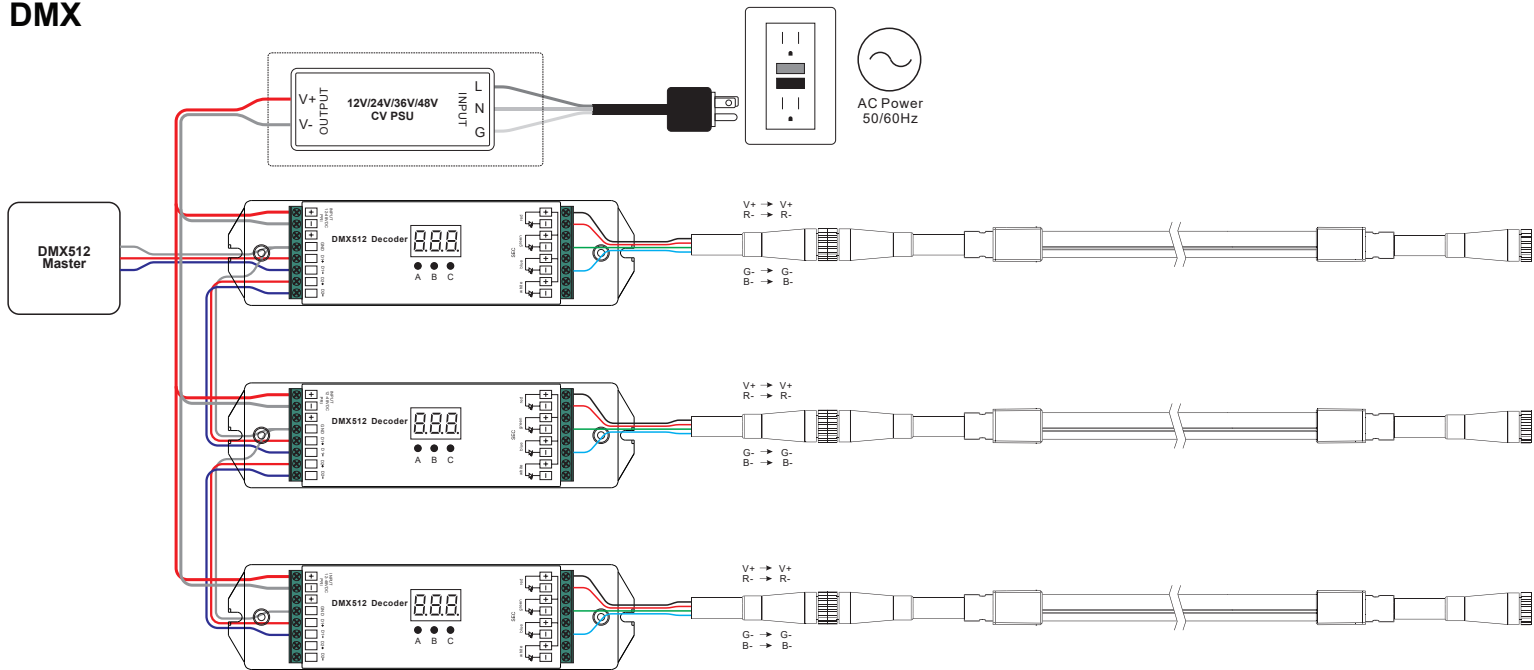
### Note:

-10W/M Max. 10mtr run length to single side feed.

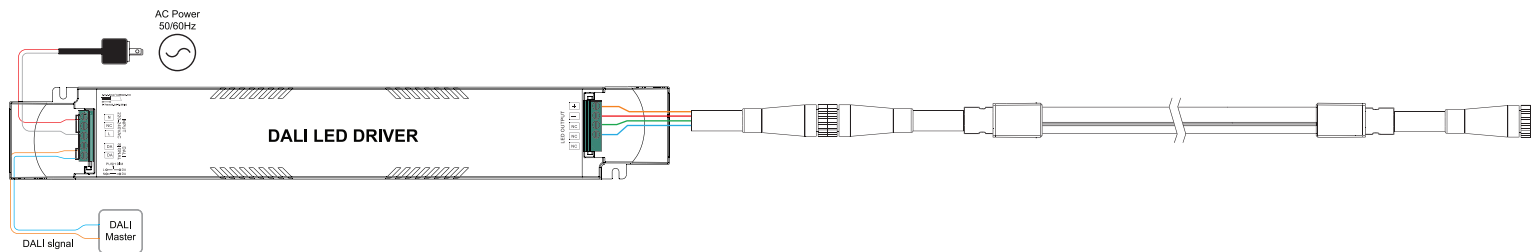
-The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 5%.

# WIRING DIAGRAM

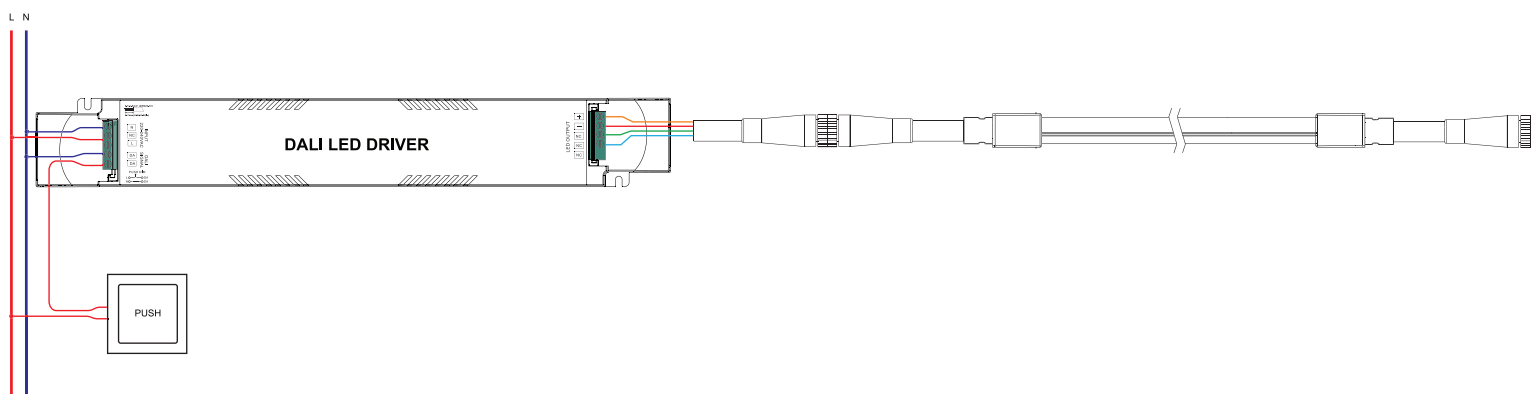
## DMX



## 1. DALI



## 2. WITH PUSH DIM



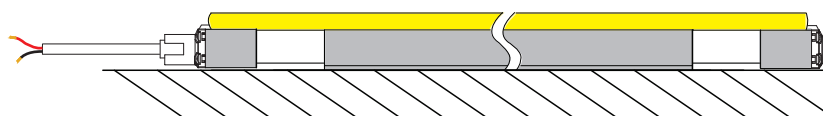
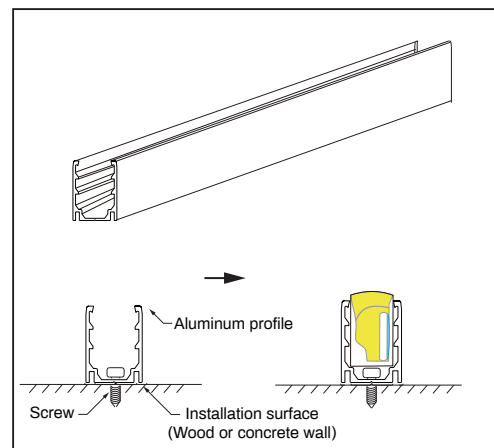


## GENERAL MOUNTING

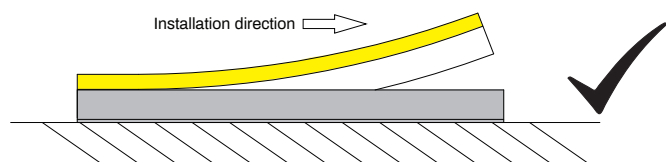
LED neon flex can be fastened to surfaces using appropriate accessories available from distributor. Please refer to data sheets or contact technical support for a copy. The use of glues and resins as fixing agents should be avoided. Use of glues and resins may invalidate the warranty of the product unless its use is agreed in writing by distributor as part of a detailed project specification.

The images indicate one type of fixing available in the accessories range. The different fixings serve obvious purposes, however when in doubt technical support should be contacted.

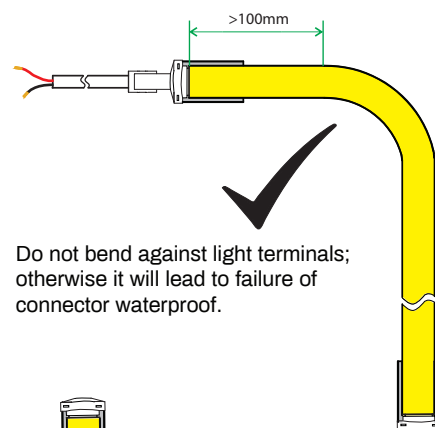
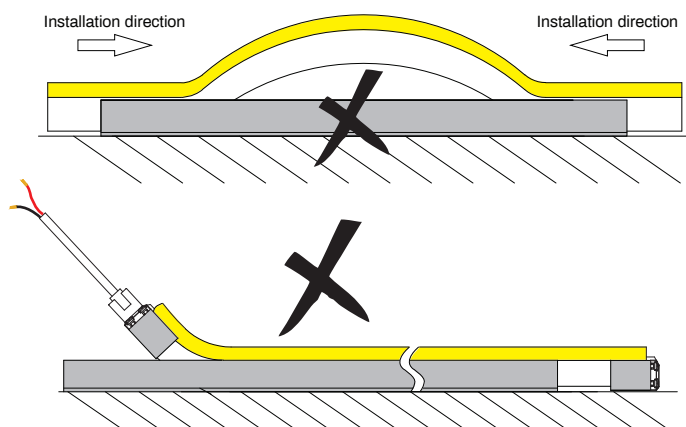
Quantities of accessories and fixings are dependent on the type and its effect on the variant it's being used with. Care should be taken to ensure drooping is avoided, and to ensure that is fastened adequately to avoid stresses on itself.



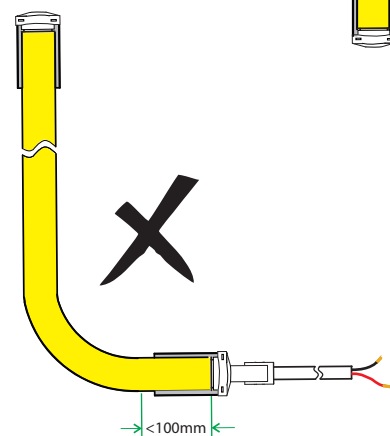
Press the flex light into mounted aluminum channel in one direction.



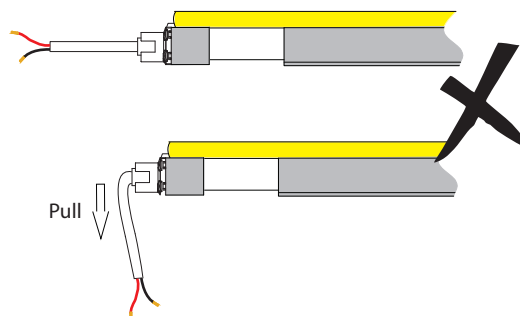
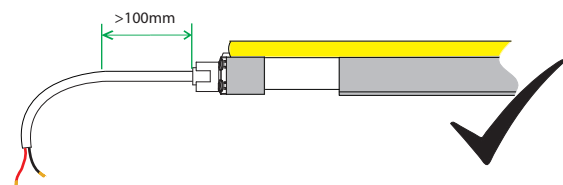
Incorrect installation like below picture could lead to light failure.



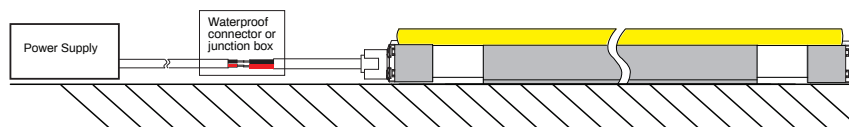
Do not bend against light terminals; otherwise it will lead to failure of connector waterproof.



Ensure the feeding cable not bear force, keep the head 10mm in natural loose.

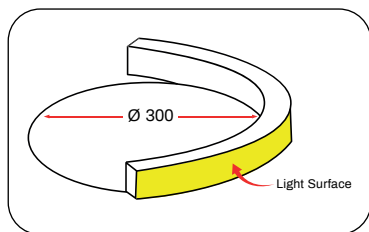


Mount the cable junction in hermetic enclosure like waterproof junction box in outdoor application.



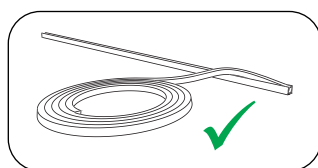
## INSTALLATION

### Attention

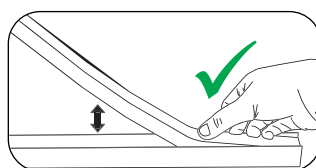
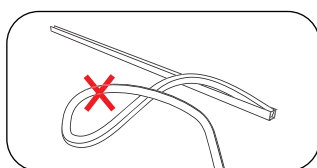


1. Correct bending way.

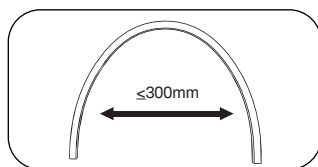
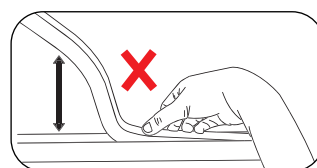
### Installation



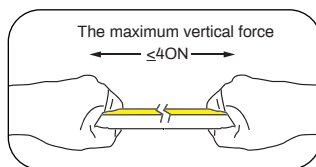
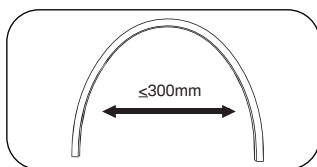
1. During LED strip installation, ensure to uncoil the strip loop by loop and maintain perpendicular alignment with the mounting profile. Avoid twisting or knotting of the strip at all times.



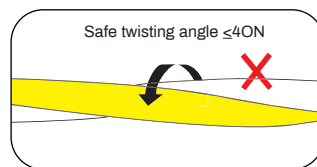
2. Align the LED strip with the opening of the profile, gently lift and press the strip into the profile, and strictly avoid excessive bending or lifting of the strip.



3. Align the LED strip with the opening of the profile, gently lift and press the strip into the profile, and strictly avoid excessive bending or lifting of the strip.

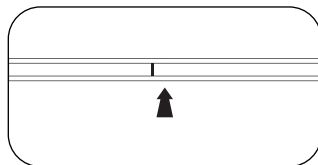


The safe tensile force for the LED strip shall be  $\leq 40N$ . Excessive force may damage the internal circuitry.

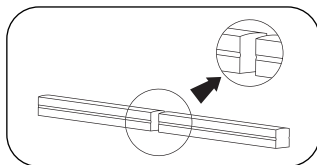


The safe twisting angle for the LED strip shall not exceed 180°.

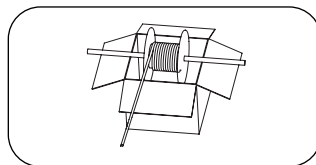
### Warning sign



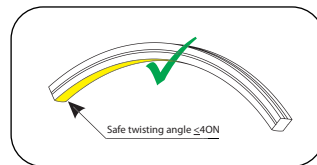
Cuttable Marking Area (on the bottom or side of the product).



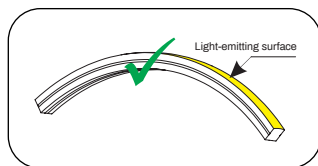
Neat and smooth cut.



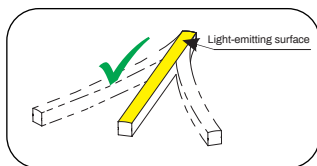
Mount the roll on a rod over the box and rotate to use.



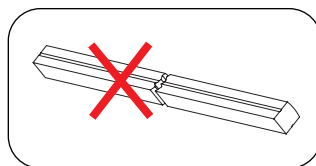
Top Bend.



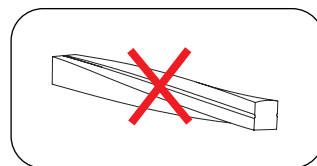
Side Bend.



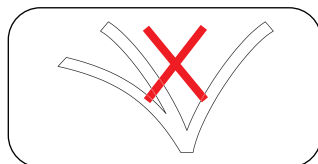
Free Bend.



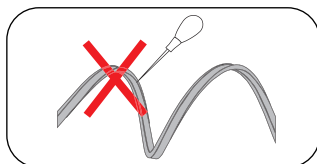
Do not leave uneven cuts.



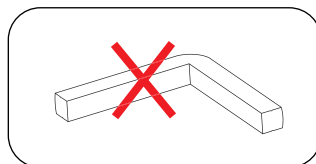
Do not twist during use.



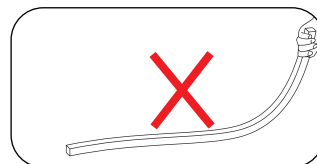
Repeated bending may damage electronic circuits.



Do not puncture or scratch with sharp objects.



Do not bend at sharp angles.



Do not jerk or yank when using the product.

1. The cutting marks are located on the PCB. Refer to the product cutting line window or laser markings on the surface to identify the trimming position.

2. During transportation and application, please observe the above warning labels. Proper handling ensures optimal performance and user satisfaction.