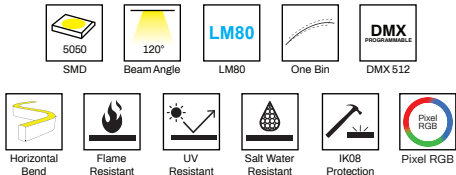
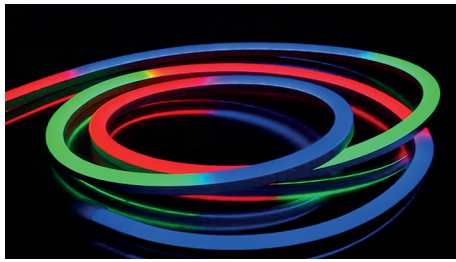


## SCUBA RGB DMX



### DESCRIPTION:

SCUBA RGB DMX horizontal 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 : DMX 512.

### TECHNICAL DETAILS:

Power : 12W/M  
 Voltage : DC24V  
 CRI >90  
 IC Chips : SM18522PS  
 Length/Reel : 5M/10M  
 Cutting length : 100mm  
 Led Qty : 60LEDs/M  
 Pixels : 10 pixels/M  
 Working Temperature : -25~55°C  
 Storage Temperature : -30~80°C  
 Voltage Range : 23~25V dc  
 Reverse Voltage : 25V dc  
 Warranty : 5 years

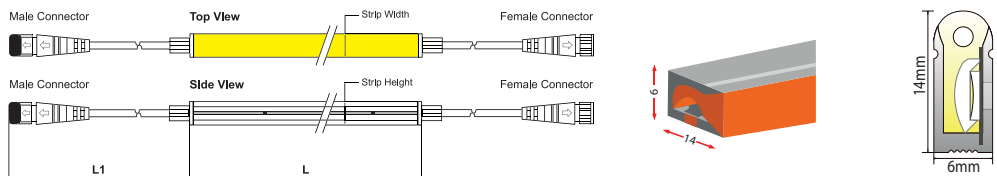
### LUMENS PER METER:

<b>CCT</b>	<b>12W</b>
R	25lm
G	63lm
B	15lm

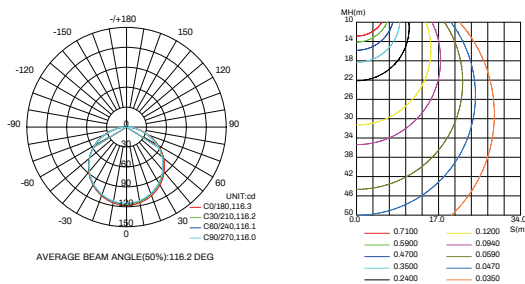
### INSTALLATION : Horizontal Bend

Product Code : 8750614

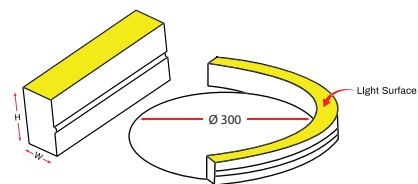
### DIMENSION:



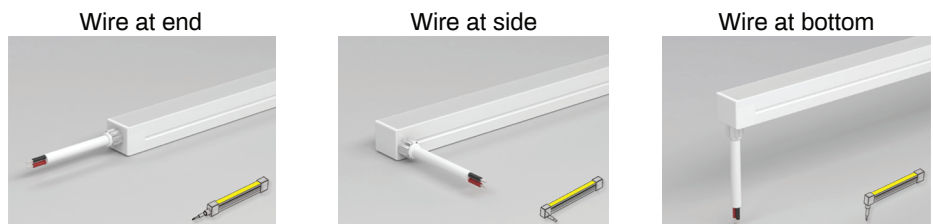
### LIGHT DISTRIBUTION:



### BENDING:



### End cap

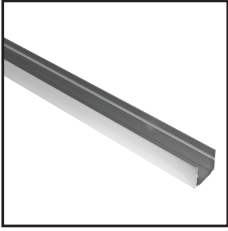


Standards
EN 60598-1
EN 60598-2-2
EN 60598-3-2

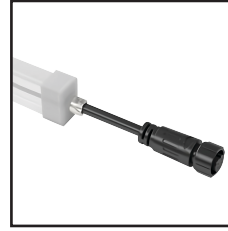
Order Code Ex : 8750814	12	93
Product Code	Power	CCT
8750814	12-12W	93-RGB DMX

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 ±5%. Unless stated otherwise, the values apply to an ambient temperature of 25°C

## ACCESSORIES



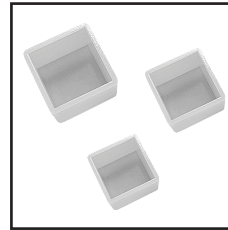
Aluminium Profile  
 Order Code : 8750614-01  
 Dimension : L1000\*W8\*H15mm  
 Material : aluminium  
 Color : silver



End Cap 5PIN  
 Order Code : 8750614-06  
 Color : white  
 Cable entry : front/side/bottom  
 Picture : front



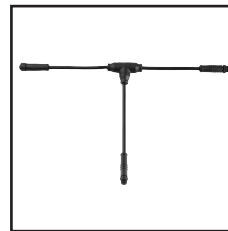
Curved Profile  
 Order Code : 8750614-02  
 Dimension : L1000\*W7\*H11.6mm  
 Material : stainless steel  
 Color : silver



Closed End Cap  
 Order Code : 8750614-07  
 Material : silicone  
 Color : white



Mounting Clips  
 Order Code : 8750614-03  
 Dimension : L20\*W8\*H15mm  
 Material : stainless steel  
 Color : silver  
 Each meter led strips needs  
 2 clips + 2 screws



IP67 T Type Connector  
 Order Code : 8750614-08  
 Wire Gauge : 0.326mm<sup>2</sup>/22AWG  
 Protection : IP67 (Mated)



IP67 Connector 5PIN  
 Order Code : 8750614-04  
 Wire gauge : 0.326mm<sup>2</sup>/22AWG  
 Protection : IP67 (Mated)  
 Connector type : Male

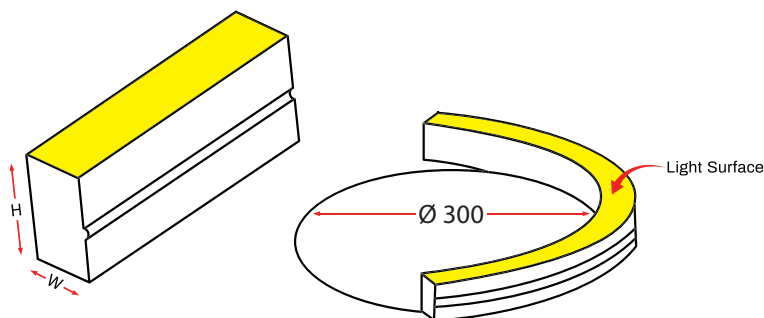


Scissor  
 Order Code : 8750614-09

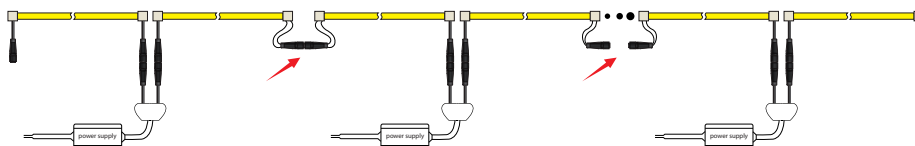


IP67 Connector 5PIN  
 Order Code : 8750614-05  
 Wire gauge : 0.326mm<sup>2</sup>/22AWG  
 Protection : IP67 (Mated)  
 Connector type : Female

## ADDITIONAL INFO



- ▶ Please light it up for a quick check before installation.
- ▶ Bending diameter of SCUBA RGB DMX 0614 is 300mm, do not bend to Top 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.
- ▶ 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.



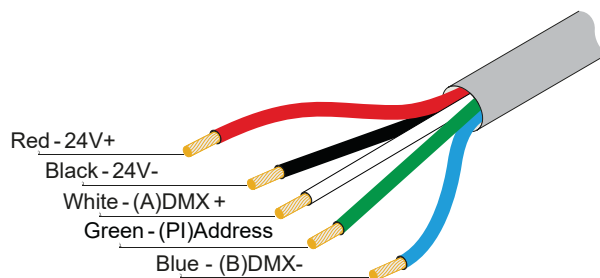
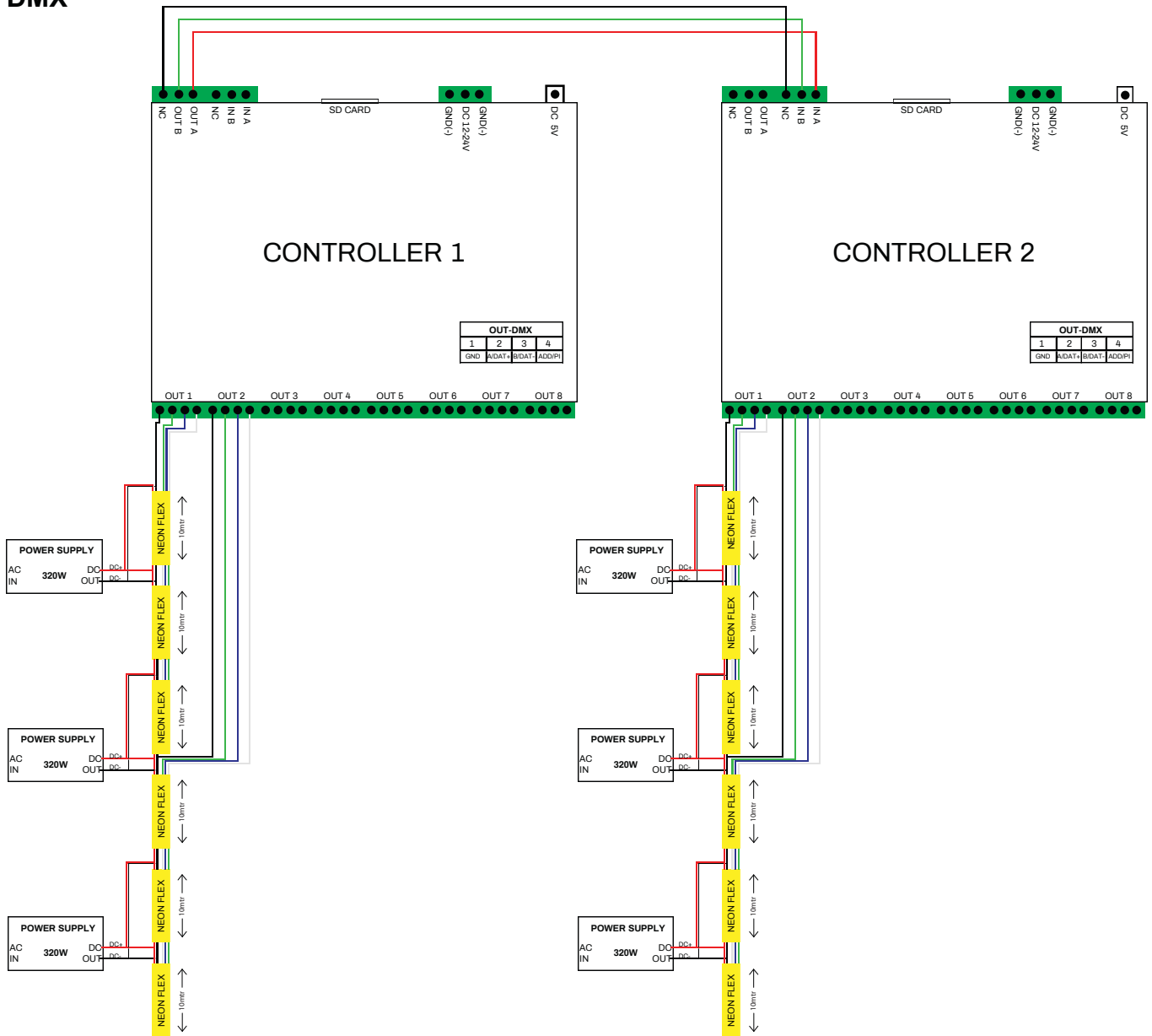
**Note:**

-12W/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

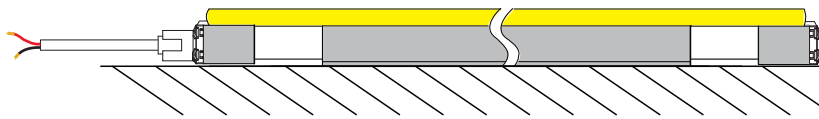
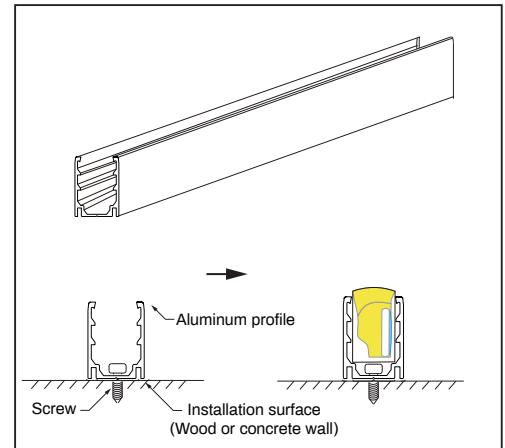


## GENERAL MOUNTING

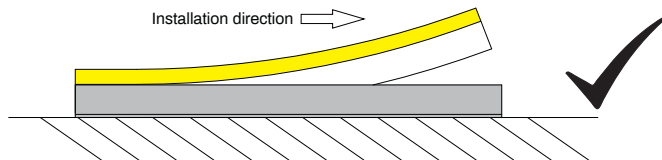
LED neon flex can be fastened to surfaces using appropriate accessories available from distributor. Please refer to data sheets or contact technical support for a copy. The use of glues and resins as fixing agents should be avoided. Use of glues and resins may invalidate the warranty of the product unless it's 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.

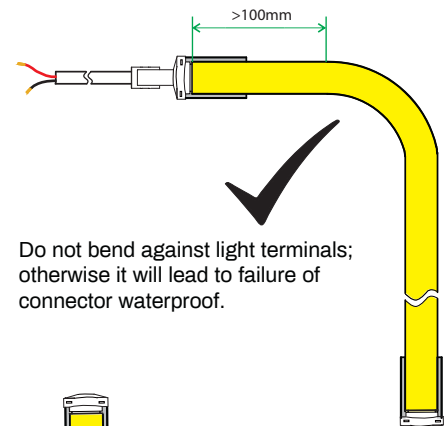
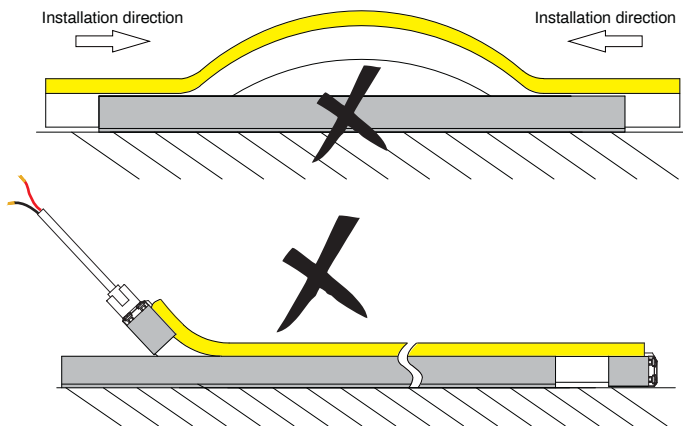
Quantities of accessories and fixings are dependent on the type and its effect on the variant it's being used with. Care should be taken to ensure drooping is avoided, and to ensure that is fastened adequately to avoid stresses on itself.



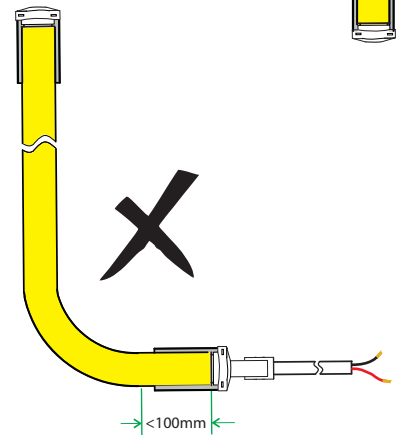
Press the flex light into mounted aluminum channel in one direction.



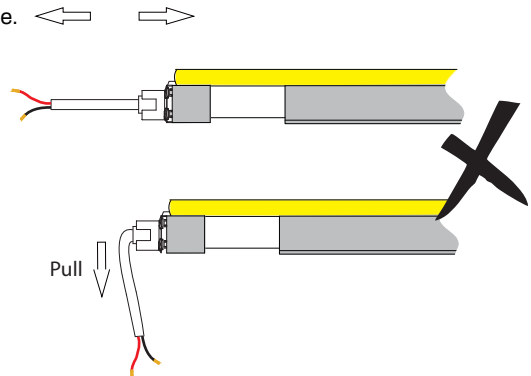
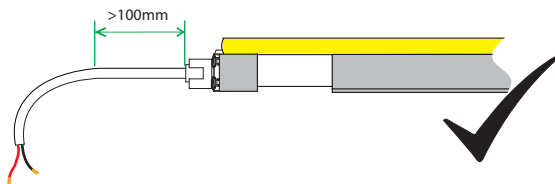
Incorrect installation like below picture could lead to light failure.



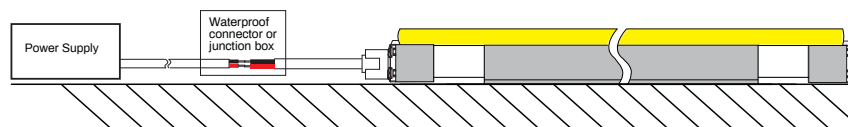
Do not bend against light terminals; otherwise it will lead to failure of connector waterproof.



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

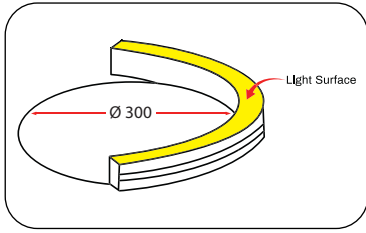


Mount the cable junction in hermetic enclosure like waterproof junction box in outdoor application.



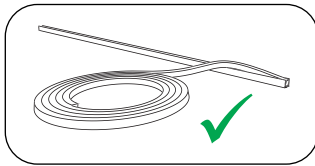
# INSTALLATION

## Attention

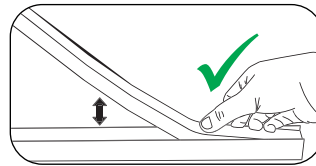
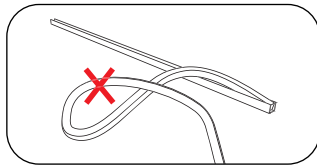


1. Correct bending way.

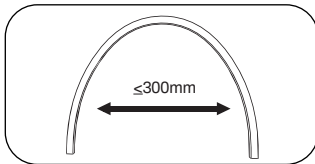
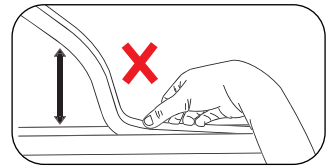
## Installation



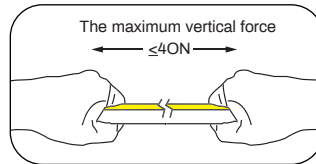
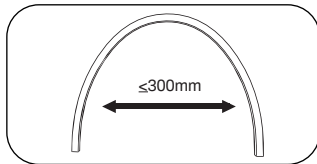
1. During LED strip installation, ensure to uncoil the strip loop by loop and maintain perpendicular alignment with the mounting profile. Avoid twisting or knotting of the strip at all times.



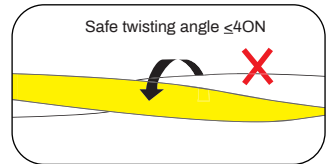
2. Align the LED strip with the opening of the profile, gently lift and press the strip into the profile, and strictly avoid excessive bending or lifting of the strip.



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.

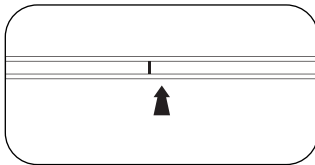


The safe tensile force for the LED strip shall be  $\le 40\text{N}$ . Excessive force may damage the internal circuitry.

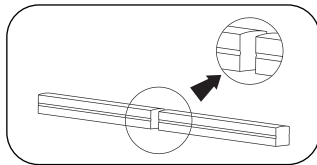


The safe twisting angle for the LED strip shall not exceed  $180^\circ$ .

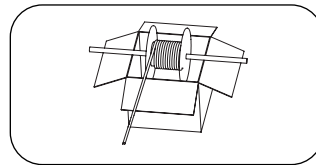
## Warning sign



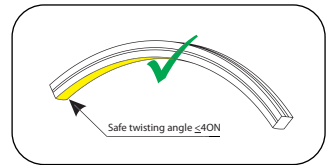
Cuttable Marking Area (on the bottom or side of the product).



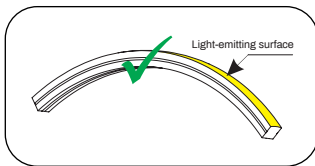
Neat and smooth cut.



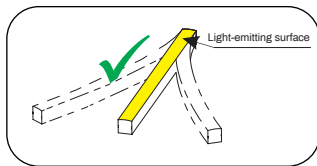
Mount the roll on a rod over the box and rotate to use.



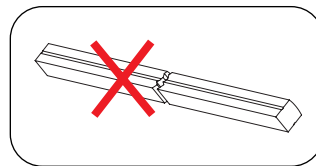
Top Bend.



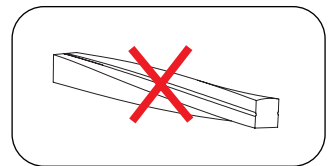
Side Bend.



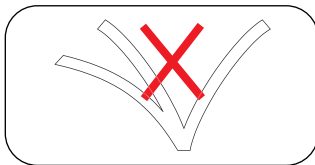
Free Bend.



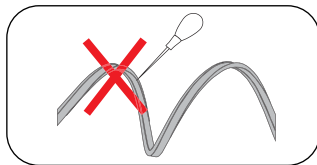
Do not leave uneven cuts.



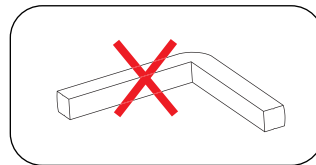
Do not twist during use.



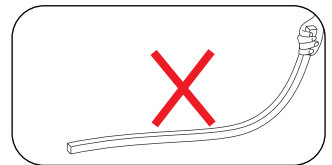
Repeated bending may damage electronic circuits.



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.