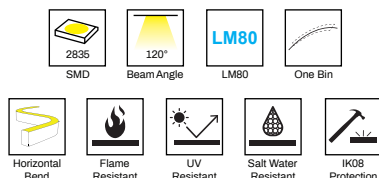


## SCUBA WHITE PRO



### DESCRIPTION:

SCUBA WHITE PRO High-Efficiency Neon Light with 30Z PCB-Designed for superior performance with excellent heat dissipation, minimal voltage drop, and a sleek, modern aesthetic. Crafted for durability and quality, it delivers uniform, soft, and smooth illumination with no color difference. Featuring a single-ended power supply, it supports up to 5-meter connections, ensuring easy and efficient installation. Constructed with an integrated silicone extrusion molding process, using food-grade silicone, it offers exceptional resistance to yellowing, high temperatures, and corrosion. Control mode : ON/OFF, DALI, Phase Cut, 0/1-10V.

### TECHNICAL DETAILS:

Power : 12W/M  
Voltage : DC24V  
Efficiency : 140lm/W  
CRI >90  
Length/Reel : 5M  
Cutting length : 50mm  
Led Qty : 180LEDs/M  
Working Temperature : -25~+60°C  
Storage Temperature : -25~+70°C  
Voltage Range : 23~25V dc  
Reverse Voltage : 25V dc  
Warranty : 5 years

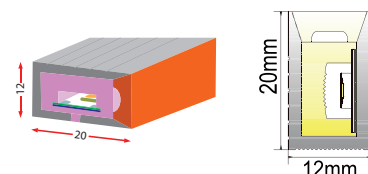
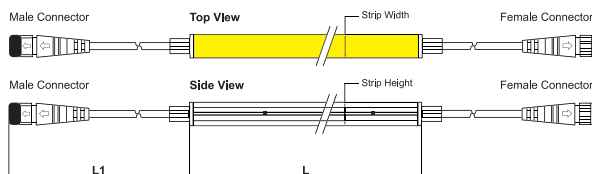
### LUMENS PER METER:

CCT	12W
2700K	1596lm
3000K	1680lm
4000K	1764lm
5000K	1772lm
5700K	1780lm
6500K	1814lm

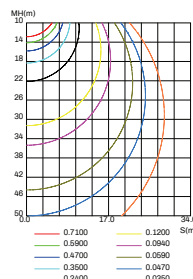
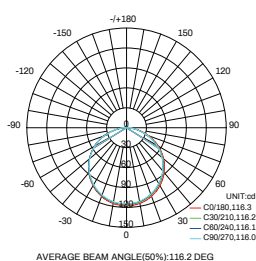
### INSTALLATION : Horizontal Bend

Product Code : 8741220

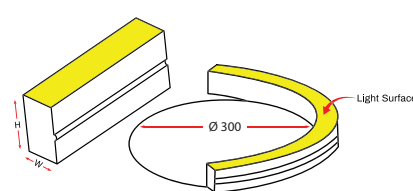
### DIMENSION:



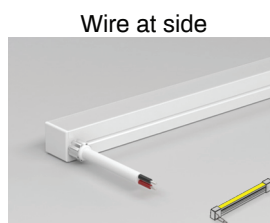
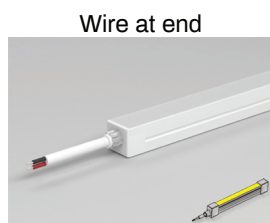
### LIGHT DISTRIBUTION:



### BENDING:



### End cap



### Standards

EN 60598-1

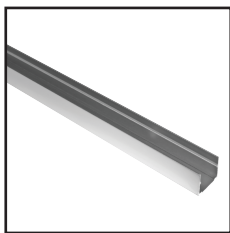
EN 60598-2-2

EN 60598-3-2

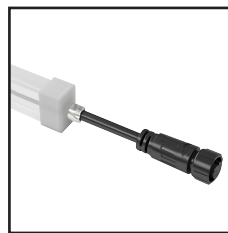
Order Code Ex : 8741220	12	27
Product Code	Power	CCT
8741220	12-12W	27-2700K
		30-3000K
		40-4000K
		50-5000K
		57-5700K
		65-6500K

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

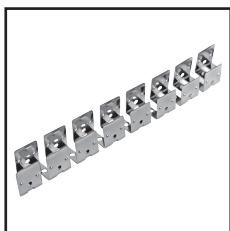
## ACCESSORIES



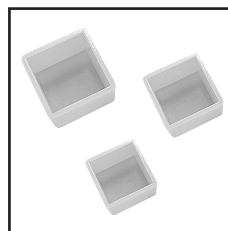
Aluminium Profile  
Order Code : 8741220-01  
Dimension : L1000\*W14\*H22.5mm  
Material : aluminium  
Color : silver



End Cap 2PIN  
Order Code : 8741220-06  
Color : white  
Cable entry : front/side/bottom  
Picture : front



Curved Profile  
Order Code : 8741220-02  
Dimension : L1000\*W13\*H18.5mm  
Material : stainless steel  
Color : silver



Closed End Cap  
Order Code : 8741220-07  
Material : silicone  
Color : white



Mounting Clips  
Order Code : 8741220-03  
Dimension : L30\*W14\*H22.5mm  
Material : stainless steel  
Color : silver  
Each meter led strips needs  
2 clips + 2 screws



IP67 T Type Connector  
Order Code : 8741220-08  
Wire Gauge : 0.326mm<sup>2</sup>/22AWG  
Protection : IP67 (Mated)



IP67 Connector 2PIN  
Order Code : 8741220-04  
Wire gauge : 0.326mm<sup>2</sup>/22AWG  
Protection : IP67 (Mated)  
Connector type : Male

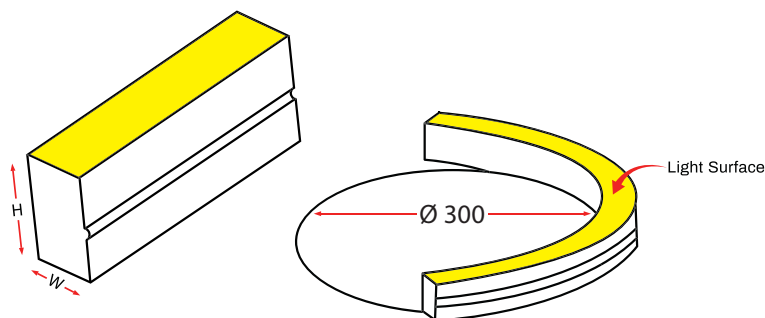


Scissor  
Order Code : 8741220-09

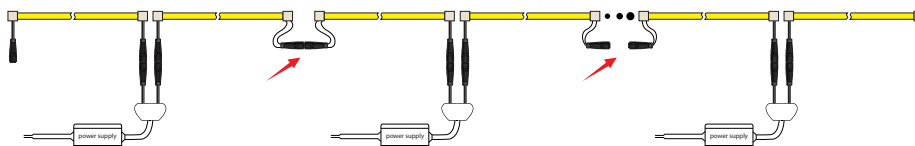


IP67 Connector 2PIN  
Order Code : 8741220-05  
Wire gauge : 0.326mm<sup>2</sup>/22AWG  
Protection : IP67 (Mated)  
Connector type : Female

## ADDITIONAL INFO



- ▶ Please light it up for a quick check before installation.
- ▶ Bending diameter of SCUBA WHITE PRO 1220 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.



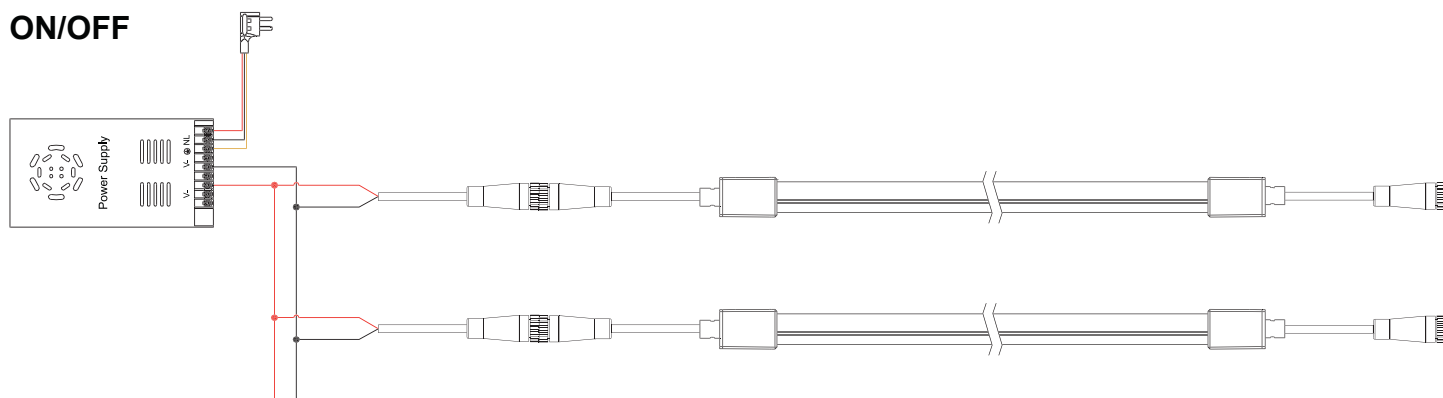
### Note:

-12W/M Max. 10mtr run length to single side feed.

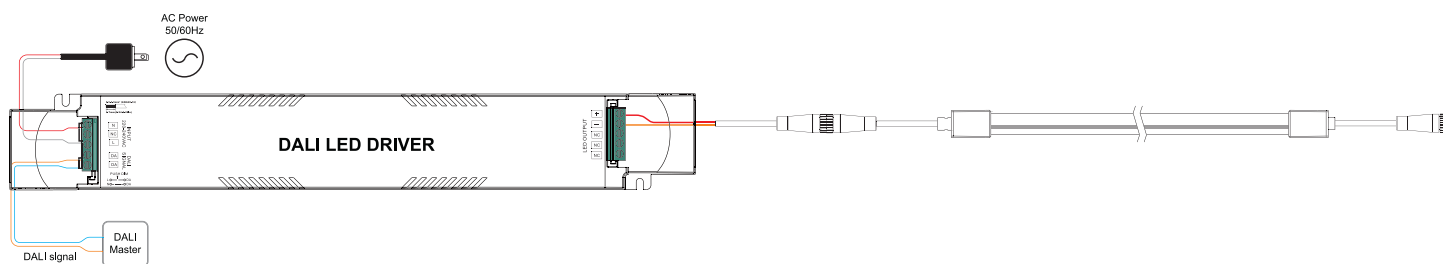
-The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 5%.

# WIRING DIAGRAM

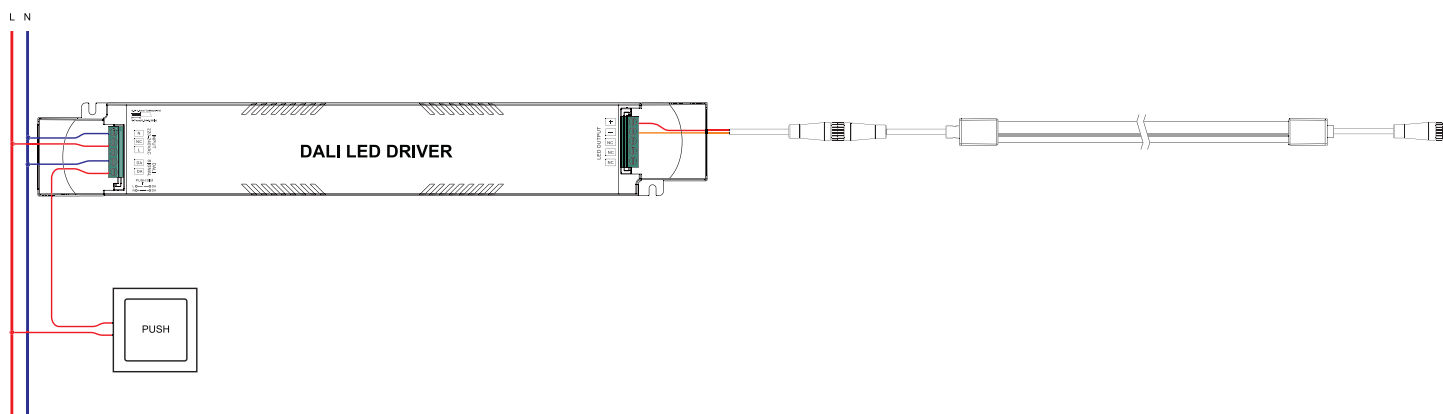
ON/OFF



1. DALI



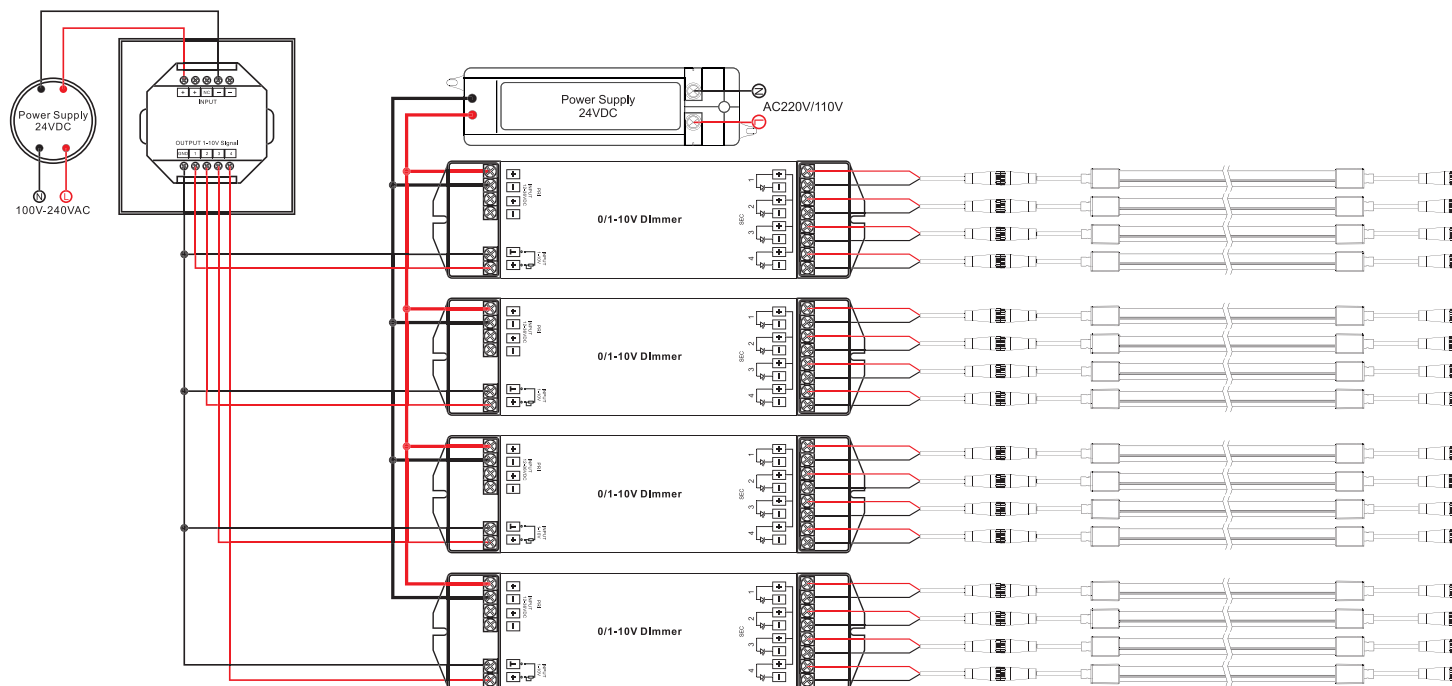
2. WITH PUSH DIM



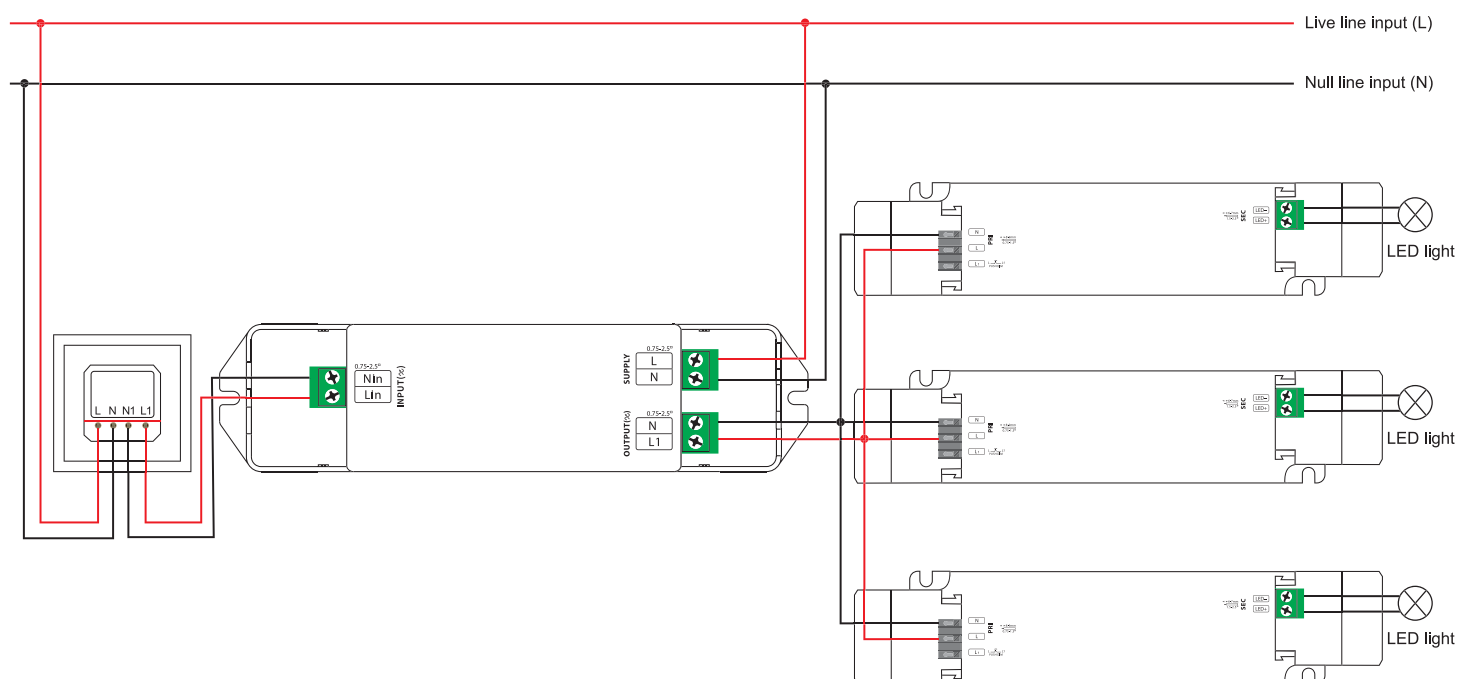


# WIRING DIAGRAM

## 0/1-10V



## PHASE CUT

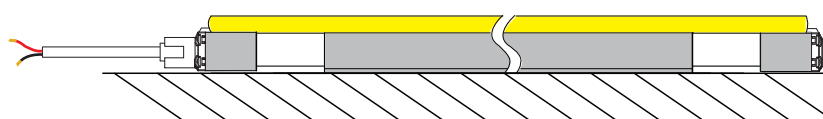
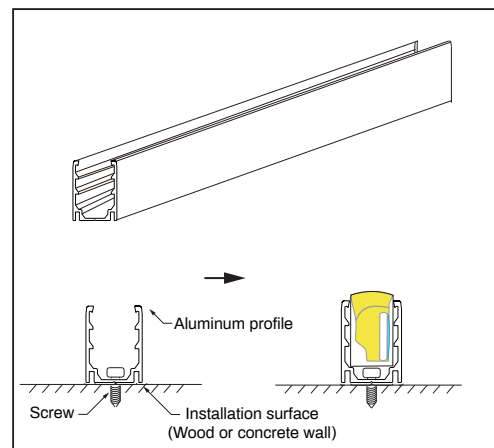


## GENERAL MOUNTING

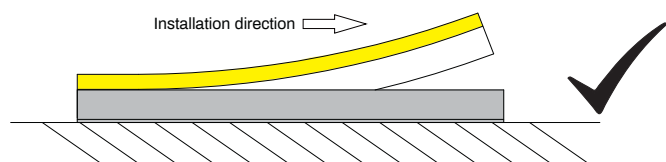
LED neon flex can be fastened to surfaces using appropriate accessories available from distributor. Please refer to data sheets or contact technical support for a copy. The use of glues and resins as fixing agents should be avoided. Use of glues and resins may invalidate the warranty of the product unless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

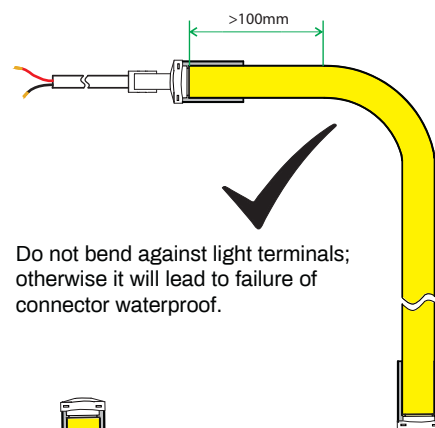
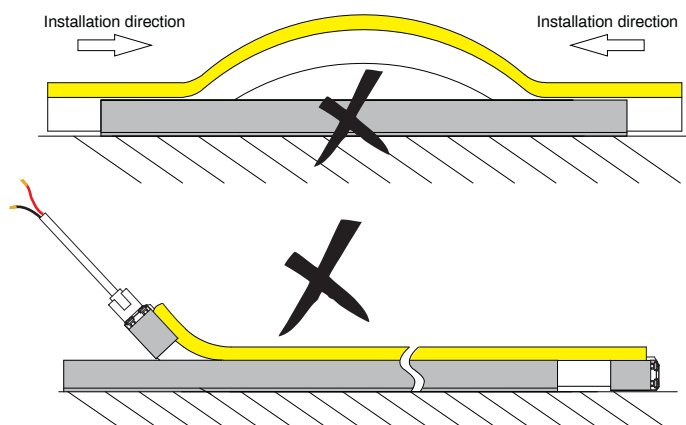
Quantities of accessories and fixings are dependent on the type and its effect on the variant it's being used with. Care should be taken to ensure drooping is avoided, and to ensure that is fastened adequately to avoid stresses on itself.



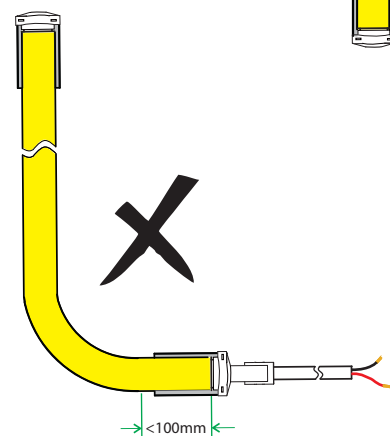
Press the flex light into mounted aluminum channel in one direction.



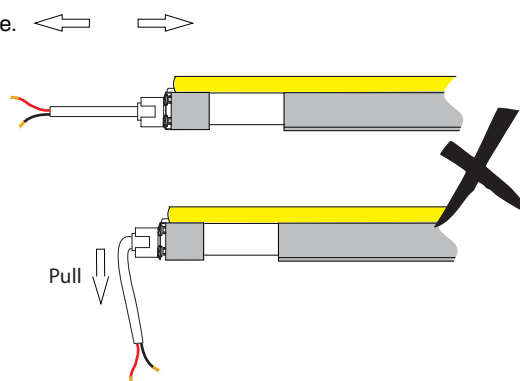
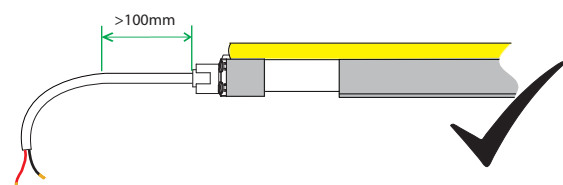
Incorrect installation like below picture could lead to light failure.



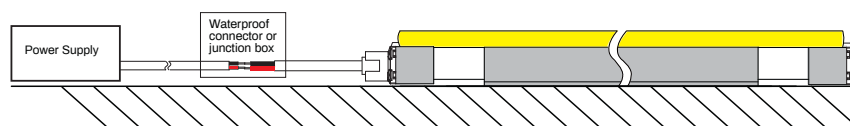
Do not bend against light terminals; otherwise it will lead to failure of connector waterproof.



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

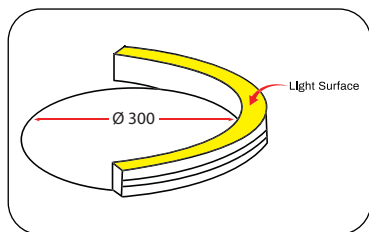


Mount the cable junction in hermetic enclosure like waterproof junction box in outdoor application.



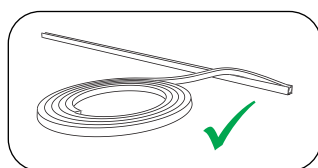
## INSTALLATION

### Attention

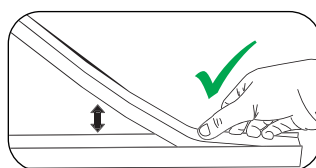
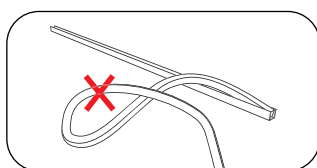


1. Correct bending way.

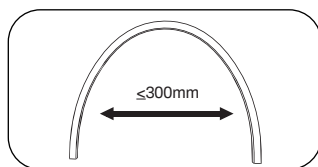
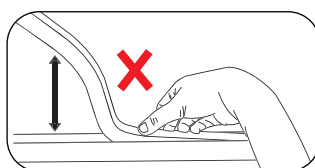
### Installation



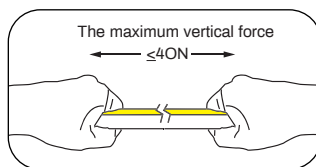
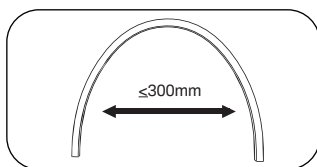
1. During LED strip installation, ensure to uncoil the strip loop by loop and maintain perpendicular alignment with the mounting profile. Avoid twisting or knotting of the strip at all times.



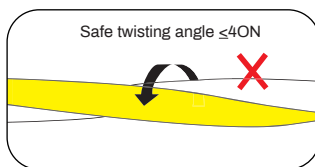
2. Align the LED strip with the opening of the profile, gently lift and press the strip into the profile, and strictly avoid excessive bending or lifting of the strip.



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.

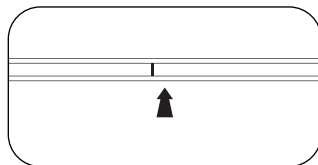


The safe tensile force for the LED strip shall be  $\leq 40N$ . Excessive force may damage the internal circuitry.

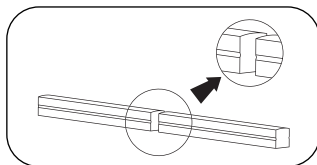


The safe twisting angle for the LED strip shall not exceed  $180^\circ$ .

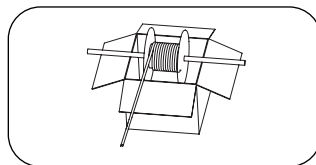
### Warning sign



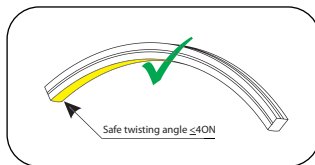
Cuttable Marking Area (on the bottom or side of the product).



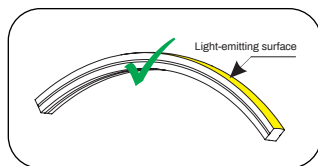
Neat and smooth cut.



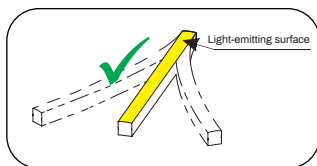
Mount the roll on a rod over the box and rotate to use.



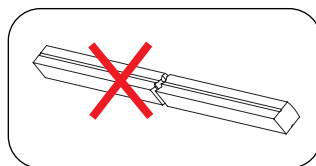
Top Bend.



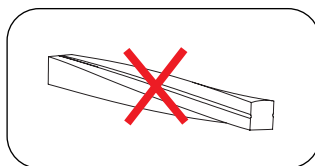
Side Bend.



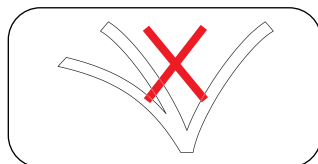
Free Bend.



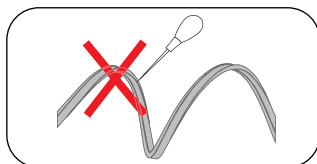
Do not leave uneven cuts.



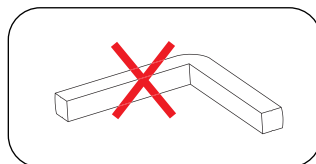
Do not twist during use.



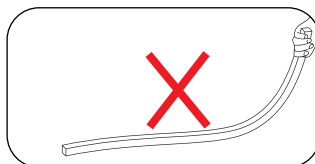
Repeated bending may damage electronic circuits.



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.