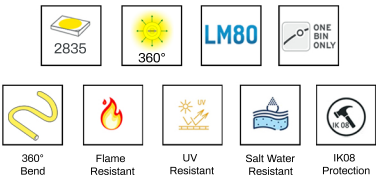# pluxb

PRISM WHITE

DESCRIPTION:

PRISM WHITE Neon Flex is a flexible lighting solution designed to emit uniform, seamless light in a full 360-degree angle. Ideal for decorative, architectural, and signage applications, it combines exceptional flexibility with durability and brilliant all-around illumination.
Crafted using high-quality food-grade silicone, this light ensures excellent UV resistance, anti-yellowing, and high-temperature performance. The smooth, dot-free glow and bendable form make it perfect for intricate designs, curves, and creative installations in both indoor and outdoor environments. Control mode : ON/OFF, DALI, Phase cut, 0/1-10V

2835 | 360° | LM80 | ONE BIN ONLY

360° Bend | Flame Resistant | UV Resistant | Salt Water Resistant | IK08 Protection

TECHNICAL DETAILS:

Power : 12W/M
Voltage : DC24V
Efficiency : 70 LM/W
CRI >90
Length/Reel : 5M
Cutting length: 33.3mm
Led Qty : 360LEDs/M
Working Temperature : -25~+60
Storage Temperature : -25~+70
Voltage Range : 23~25V dc
Reverse Voltage : 25V dc
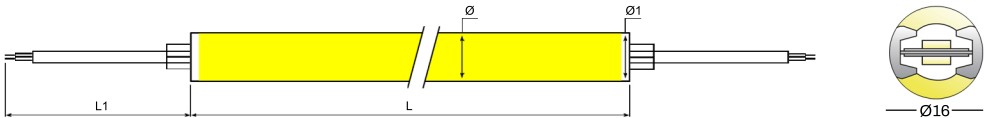Warranty : 5 years

LUMENS PER METER:

CCT	12W
2700K	798lm
3000K	840lm
4000K	882lm
5000K	886lm
5700K	890lm
6500K	907lm

INSTALLATION : 360° Bend

Product Code : 5300016

DIMENSION:

Ø | Ø1 | L1 | L | Ø16

LIGHT DISTRIBUTION:

-/+180 | 150 | -150 | -120 | 120 | -90 | 90 | -60 | 60 | -30 | 30 | 0
UNIT:cd
C0/180,115.3
C30/210,117.8
C60/240,120.4
C90/270,121.3
AVERAGE BEAM ANGLE (50%) :118.7 DEG

MH (m) | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 | S (m) | 0.0 | 17.0 | 34.0
0.9500 | 0.1600
0.7900 | 0.1300
0.6300 | 0.0790
0.4800 | 0.0630
0.3200 | 0.0480

BENDING:

Top Bend >250m

End cap

Front Cable Entry | Side Cable Entry
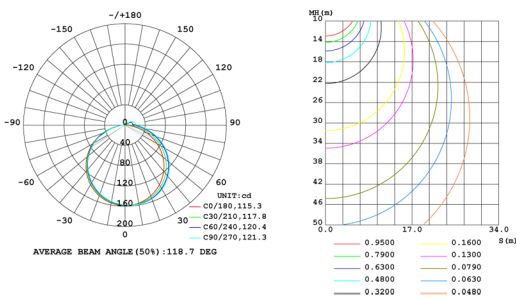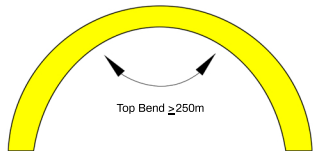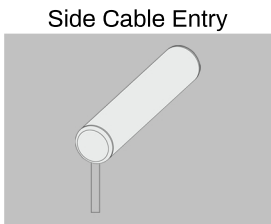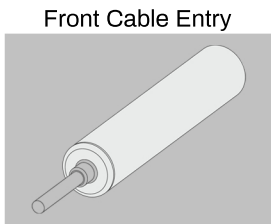
Standards
EN 60598-1
EN 60598-2-2
EN 60598-3-2

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

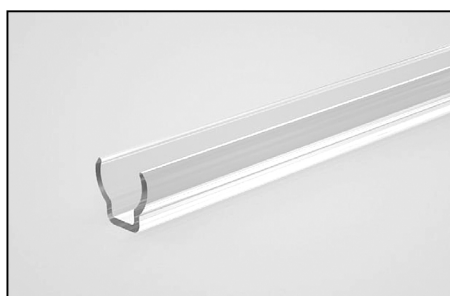**PC Profile**
Material: PC
Color: Transparent
Size: 25x30x30mm
Order Code: 5300016-1

Noted: With screws, plastic plugs, hanging rope

Head Cap
Color: Black
Material: Aluminum Alloy
Order Code: 5300016-5

Noted: Metal Cable Entry Head Cap

PC Profile
Material: PC
Color: Transparent
Size: 25x30x1000mm
Order Code: 5300016-2
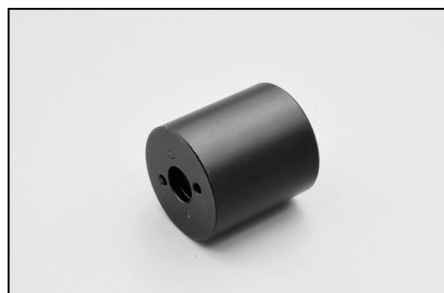
Noted: With screws, plastic plugs, hanging rope

End Cap
Color: Black
Material: Aluminum Alloy
Order Code: 5300016-6

Noted: Metal Cable Entry End Cap

Head Cap
Color: White
Material: Silicone
Order Code: 5300016-3

Noted: Silicone Cable Entry Head Cap

Lift Fixtures A
Color: Black
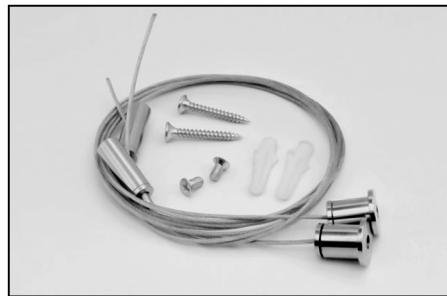Material: Aluminum Alloy
Order Code: 5300016-7

Noted: With screws, plastic plugs

End Cap
Color: White
Material: Silicone
Order Code: 5300016-4

Noted: Silicone Cable Entry End Cap

Lift Fixtures B
Color: Black
Material: Aluminum Alloy
Order Code: 5300016-8

Noted: With screws, plastic plugs

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ACCESSORIES

Connector for Side outlet
Color: Black
Noted: With screws
Material: Aluminum Alloy
Order Code: 5300016-9

Noted: With screws

Hanging Rope
Color: Stainless steel
Material: Stainless Steel
Order Code: 5300016-12

Noted: With screws, plastic plugs

Connector
Color: Black
Noted: With screws
Material: Aluminum Alloy
Order Code: 5300016-10

Noted: With screws

Wall Mounted Rotating
Color: Black
Material: Aluminum Alloy
Order Code: 5300016-13

Noted: With screws, plastic plugs

U-shaped Lift Fixtures
Color: Black
Material: Aluminum Alloy
Order Code: 5300016-11

Noted: With screws, plastic plugs

Wall Mounted Rotating
Color: Black
Material: Aluminum Alloy
Order Code: 5300016-14

Noted: With screws, plastic plugs

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ADDITIONAL INFO.

Top Bend ≥250m
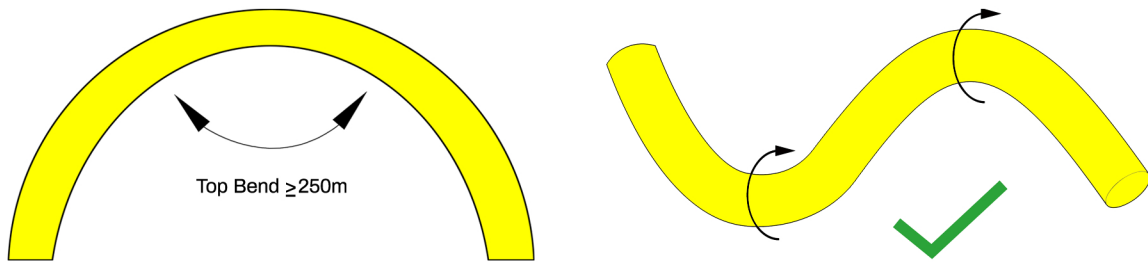
▸ Please light it up for a quick check before installation.

▸ Bending diameter of PRISM WHITE 16 is 250mm, do not bend to both 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.
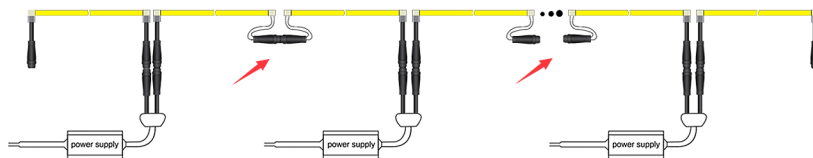
Note:
-12W/M Max. 10mtr run length to Single side feed.

-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%.
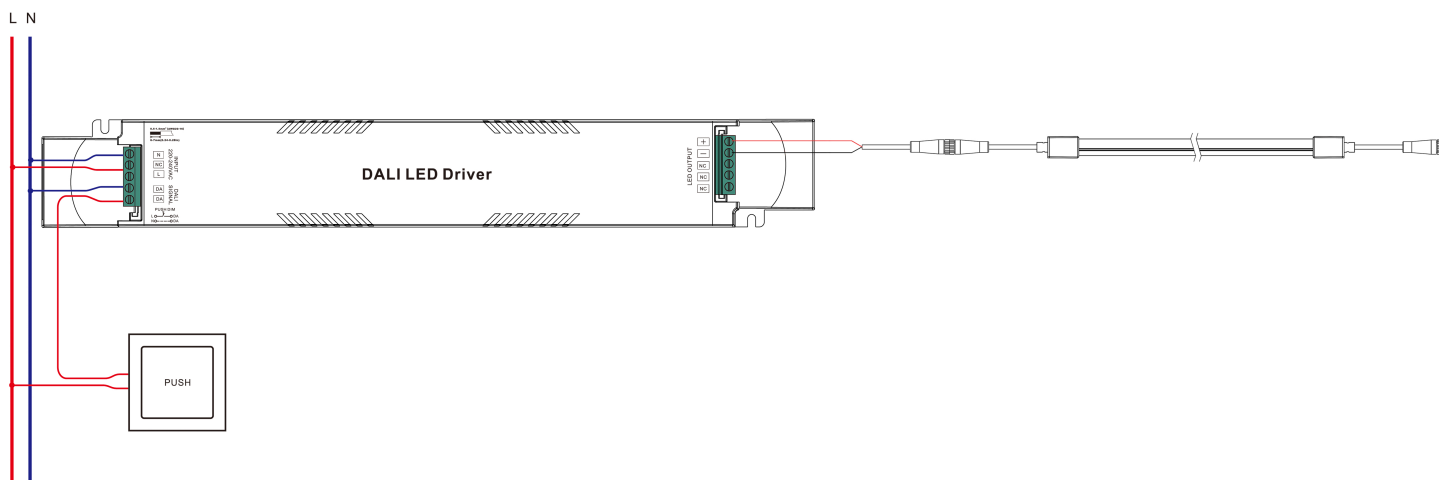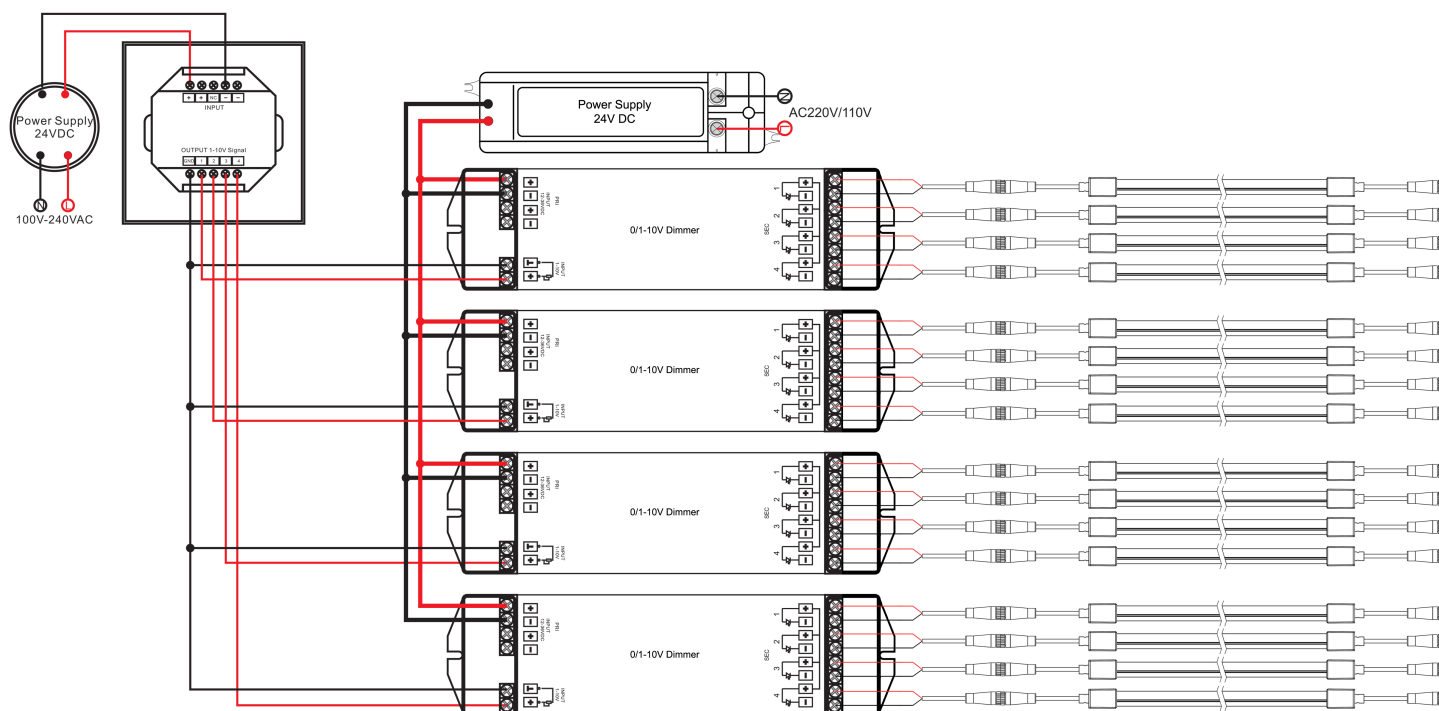
WIRING DIAGRAM

ON/OFF

Power Supply

NL
V-
V-
V+
V+

1. DALI

AC Power
50/60Hz

DALI LED Driver

N
NC
L
DA
DA

LED OUTPUT

DALI signal

DALI Master

2. WITH PUSH DIM

L N

DALI LED Driver

N
NC
L
DA
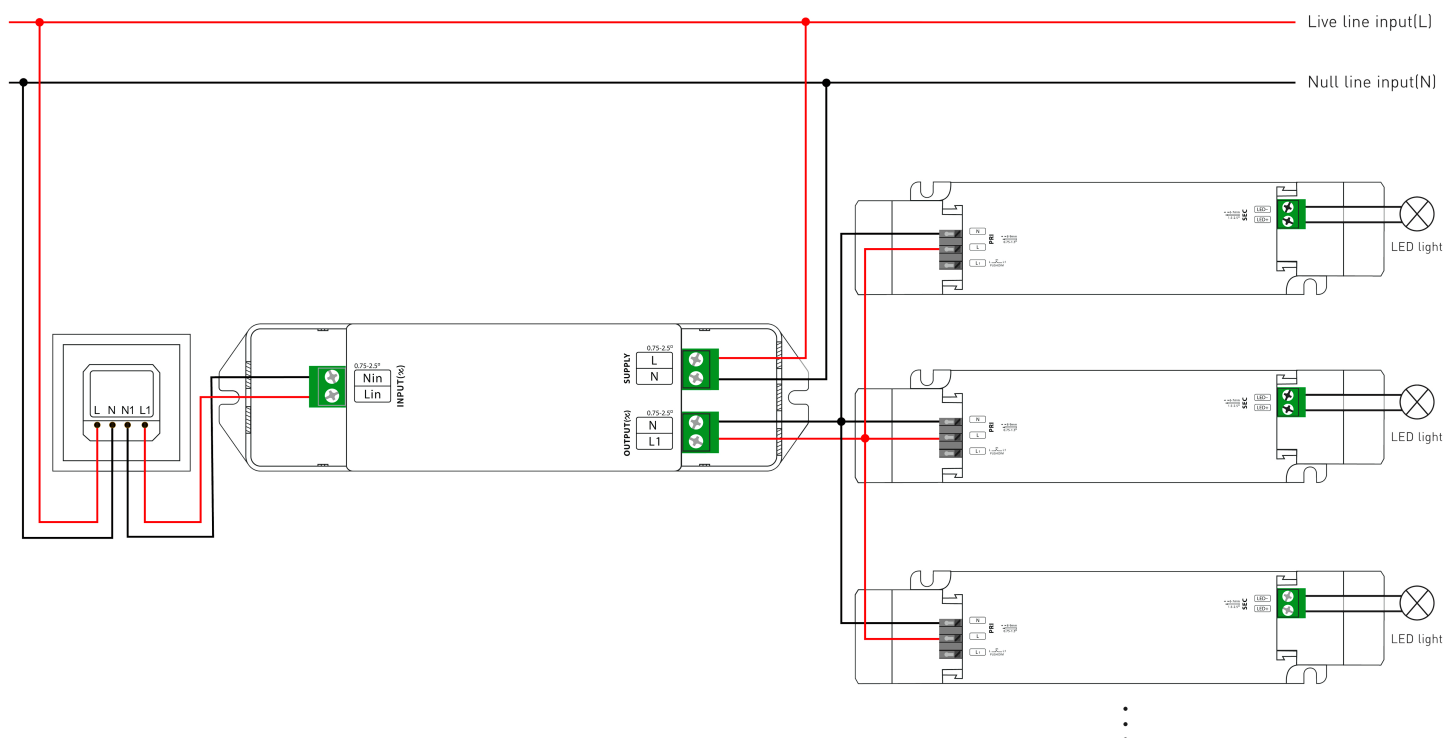DA

LED OUTPUT
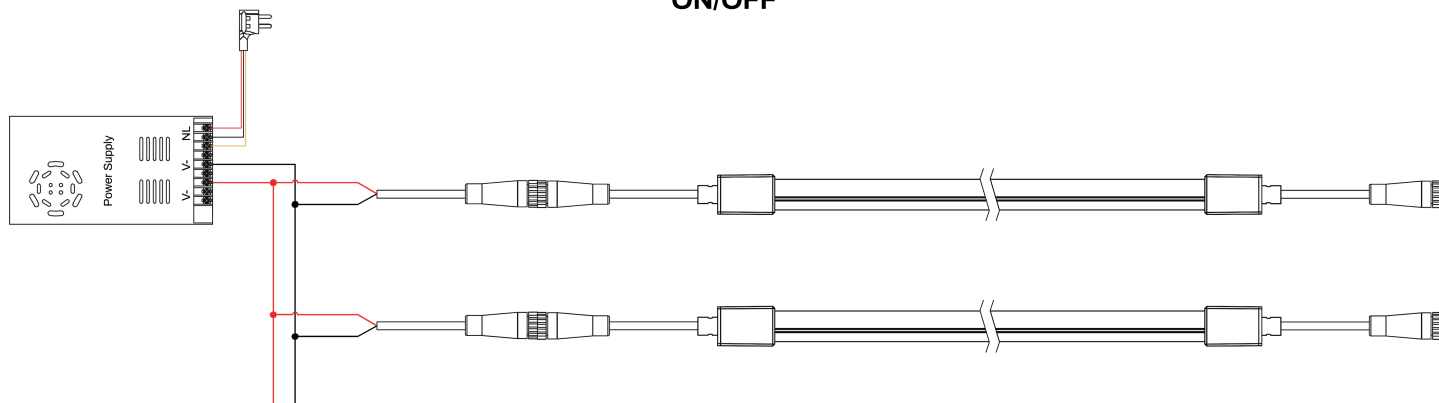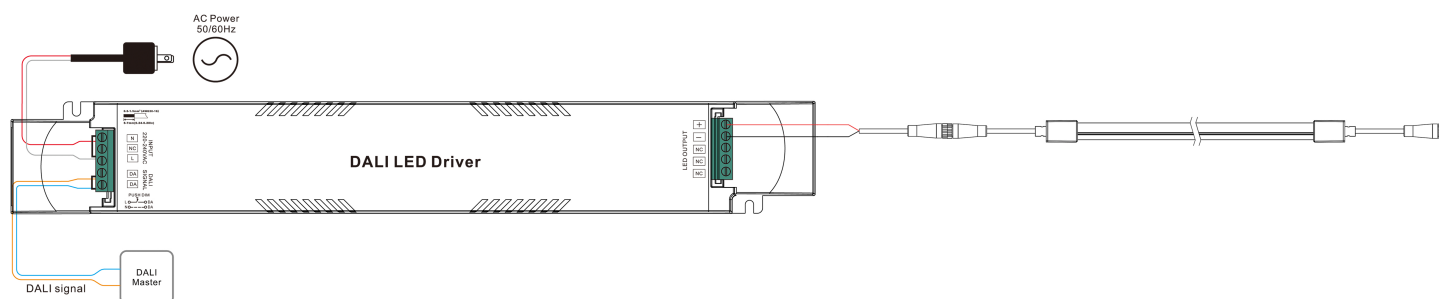
PUSH

# 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 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.
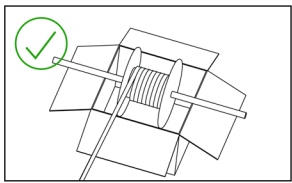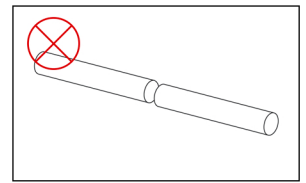
Insert a stick on the reel and place it on the packing box, and rotate the reel to get the product.
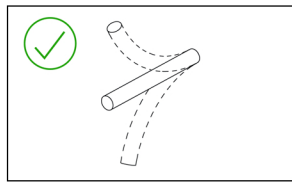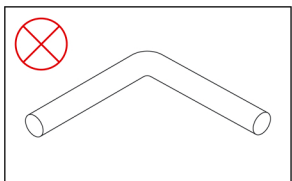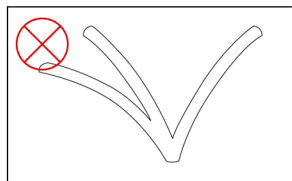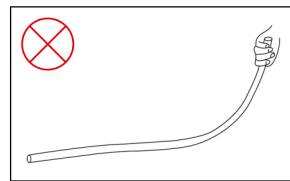
Correct usage.
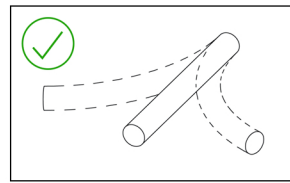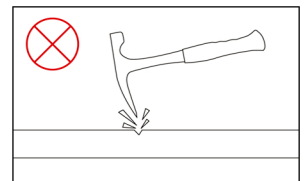
Correct usage.
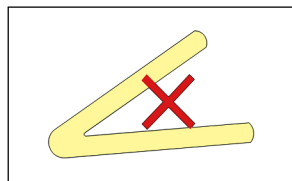
Do not make cuts.

Do not bend at right angles.

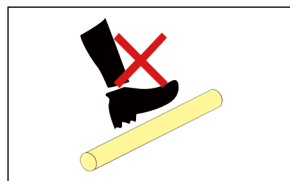Do not bend many times,for it can endanger electronic lines.

Do not throw or pull when taking products.

Avoid touching sharp objects.

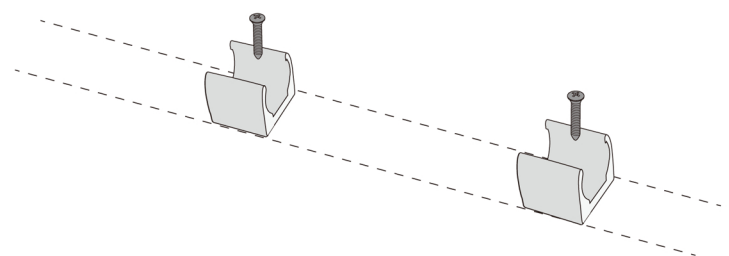Small Angle bending is prohibite.

Prohibit trample.

Note:
Please pay attention to above warnings when using;
Our company will not be held responsible for any quality hazards caused by damage to the product due to contact with sharp objects.
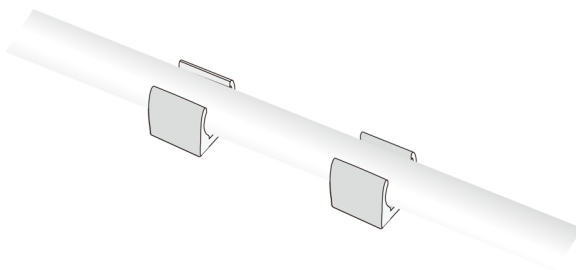
INSTALLATION

Clips

Fix the clips and profile via the screws.

⚠ Suggestion: 2pcs clips per meter.

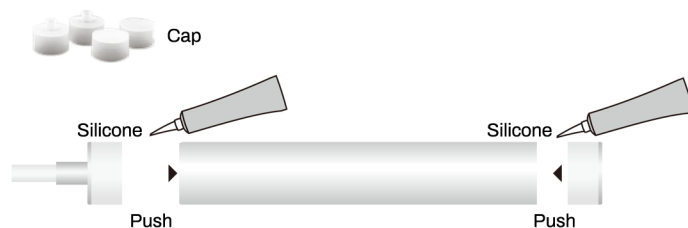## Neon Series

Simultaneously install the neon from both ends.
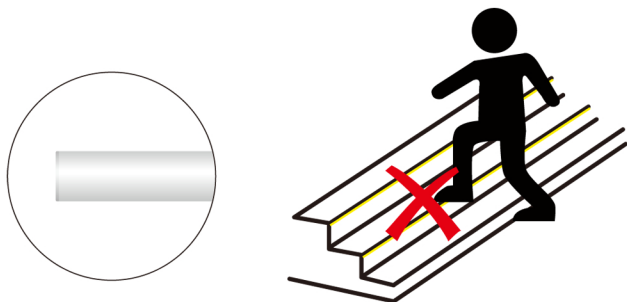

Cutting

Cut the of 360° Series, expose the soldering pad.

Install Cap

Silicone around the tail of 360° Series and install the cap.
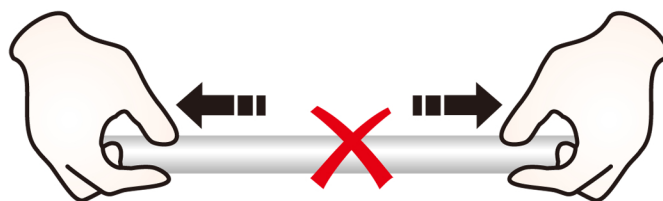
Cap

Silicone

Silicone

Push

Push

Attention

No Trampling

No Stretching

SCHEMATIC DIAGRAM OF INSTALLATION

U-lift **Vertical hoisting A** **Vertical hoisting B**

Cross hoisting **Surface mounting**

Wave lifting