pluxb

CE EAC IP67

SCUBA RGBW

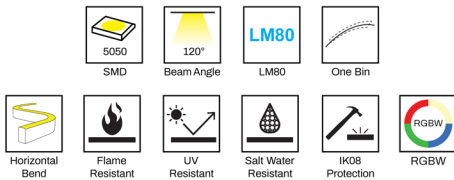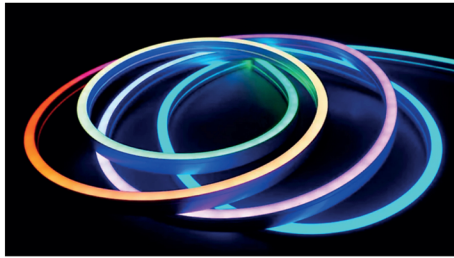A++ ENERGY LEVEL | LED | F | RoHS COMPLIANT | LM-80 | FLICKER FREE

DESCRIPTION:

SCUBA RGBW 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. Cutable for Flexible application.
Control mode : DALI, DMX

5050 SMD | 120° Beam Angle | LM80 | One Bin

Horizontal Bend | Flame Resistant | UV Resistant | Salt Water Resistant | IK08 Protection | RGBW

TECHNICAL DETAILS:

Power : 12W/M
Voltage : DC24V
CRI >90
Glare Rating : UGR<19
Length/Reel : 5M/10M
Cutting length : 100mm
Led Qty : 84LEDs/M
Led Driver: Vossloh Schwabe
Working Temperature : -20~45°C
Storage Temperature : -30~80°C
Voltage Range : 23~25V dc
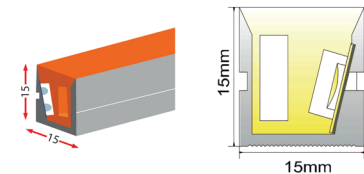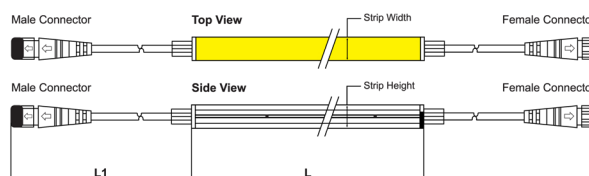Reverse Voltage : 25V dc
Warranty : 5 years

LUMENS PER METER:

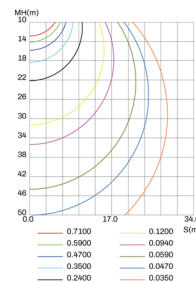| CCT	12W
RGBW/2700K	552lm
RGBW/3000K	558lm
RGBW/3500K	564lm
RGBW/4000K	570lm
RGBW/5000K	576lm

INSTALLATION : Horizontal Bend

Product Code : 8721515

DIMENSION:

Male Connector | Top View | Strip Width | Female Connector
Male Connector | Side View | Strip Height | Female Connector
L1 | L
15 | 15 | 15mm | 15mm

LIGHT DISTRIBUTION:

UNIT:cd
C0/180,116.3
C30/210,116.2
C60/240,116.1
C90/270,116.0
AVERAGE BEAM ANGLE(50%):116.2 DEG

MH(m)
0.7100 0.1200
0.5900 0.0940
0.4700 0.0590
0.3500 0.0470
0.2400 0.0350

BENDING:

Light Surface
Ø 300

End cap

Wire at end	Wire at side	Wire at bottom
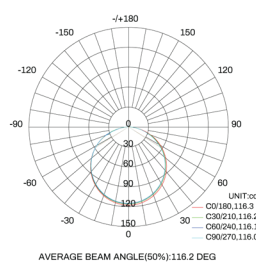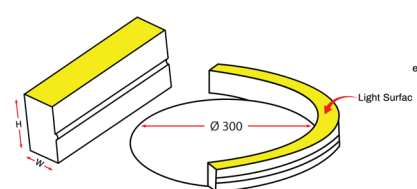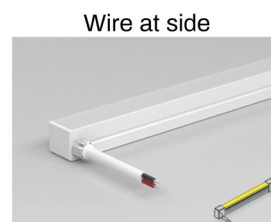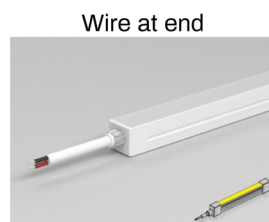
Standards

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

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ACCESSORIES
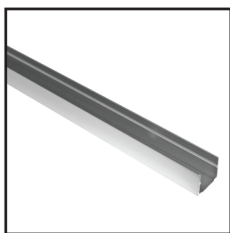
Aluminium Profile
Order Code : 8721515-01
Dimension : L1000*W20.5*H17.6mm
Material : aluminium
Color : silver
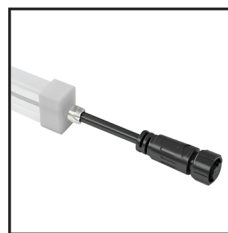
End Cap 5PIN
Order Code : 8721515-06
Color : white
Cable entry : front/side/bottom
Picture : front

Curved Profile
Order Code : 8721515-02
Dimension : L500*W17*H15mm
Material : stainless steel
Color : silver

Closed End Cap
Order Code : 8721515-07
Material : silicone
Color : white

Mounting Clips
Order Code : 8721515-03
Dimension : L20*W16.6*H12.4mm
Material : stainless steel
Color : silver
Each meter led strips needs
2 clips + 2 screws

IP67 T Type Connector
Order Code : 8721515-08
Wire Gauge : 0.326mm^2/22AWG
Protection : IP67 (Mated)

IP67 Connector 5PIN
Order Code : 8721515-04
Wire gauge : 0.326mm^2/22AWG
Protection : IP67 (Mated)
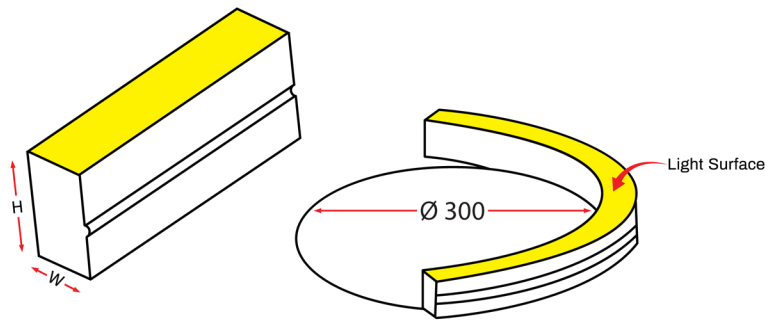Connector type : Male

Scissor
Order Code : 8721515-09

IP67 Connector 5PIN
Order Code : 8721515-05
Wire gauge : 0.326mm^2/22AWG
Protection : IP67 (Mated)
Connector type : Female

ADDITIONAL INFO

Light Surface

Ø 300

▶ Please light it up for a quick check before installation.

▶ Bending diameter of SCUBA RGBW 1515 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.
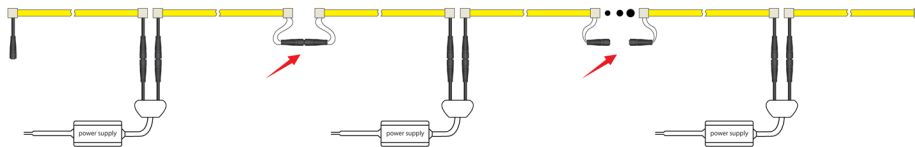
Note:

-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
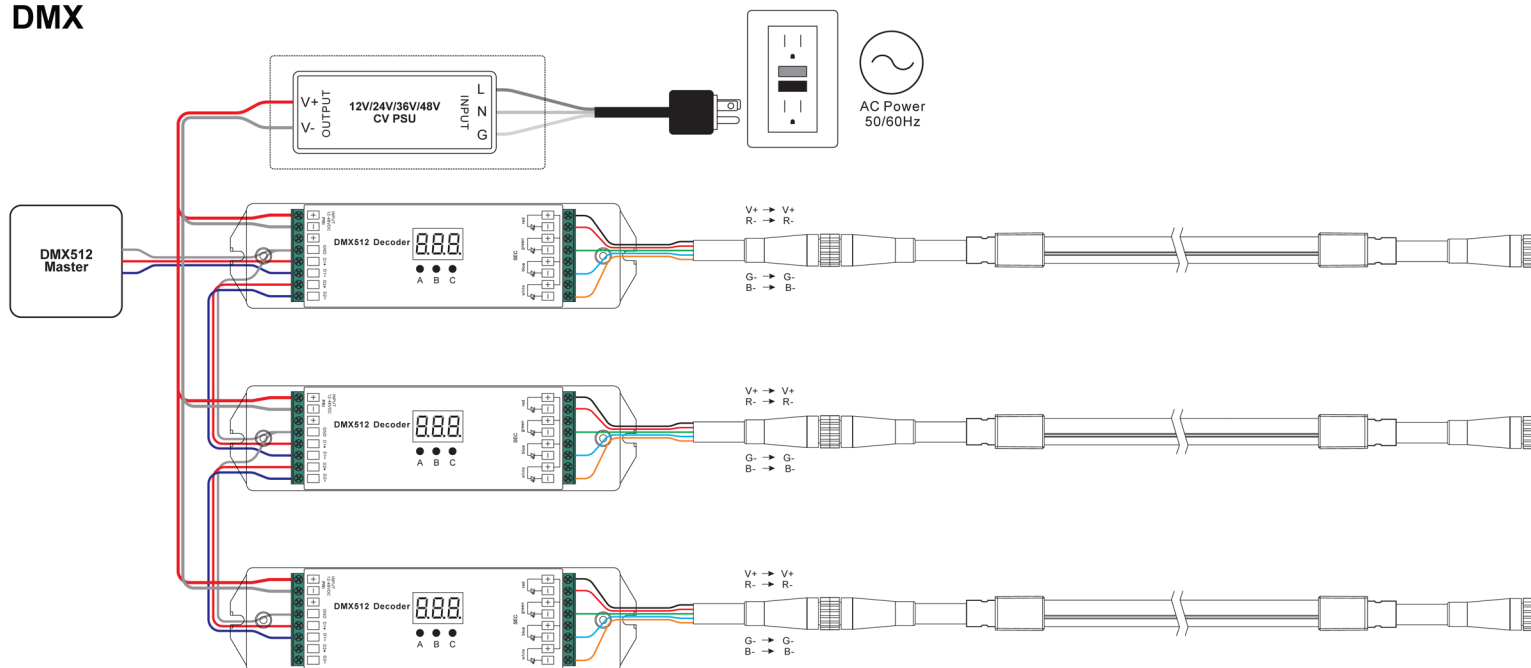
1. DALI
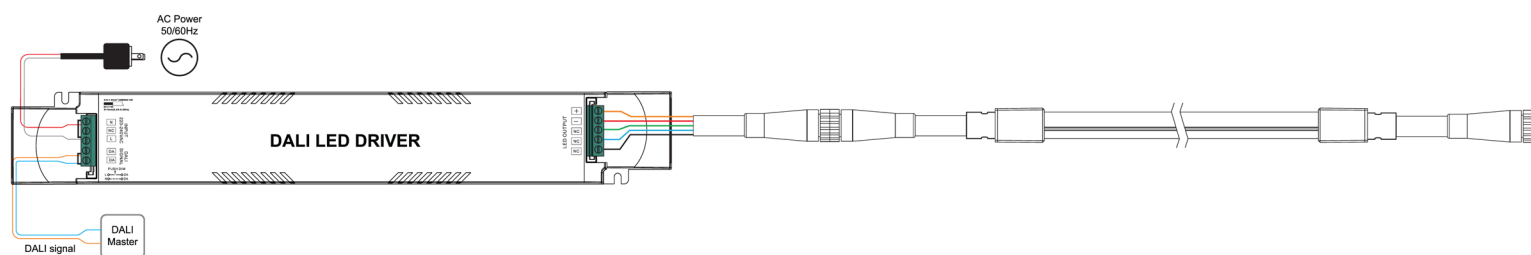
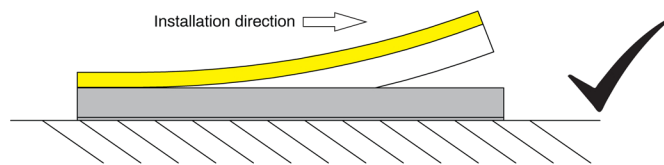
2. WITH PUSH DIM
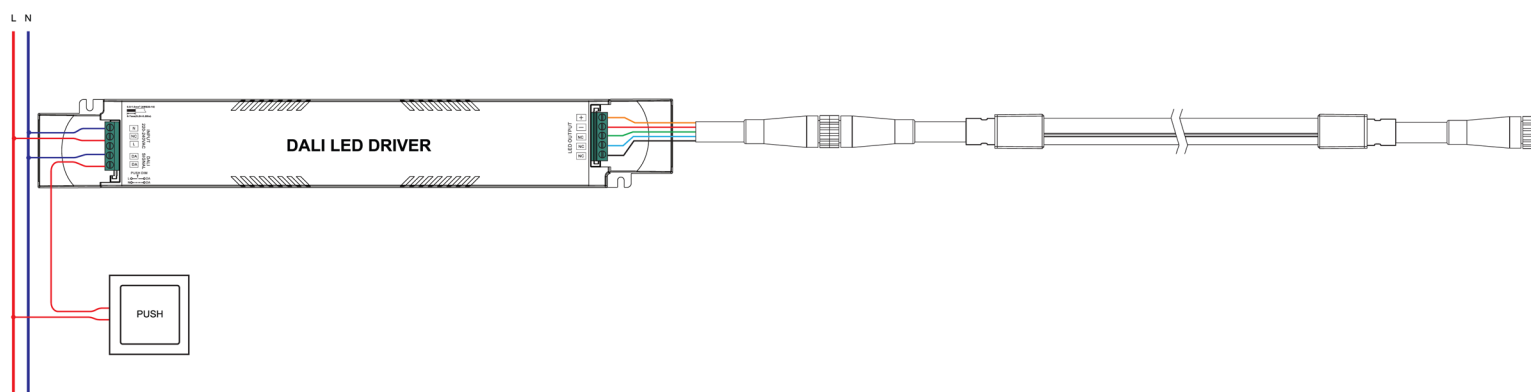
GENERAL MOUNTING

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 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.

Aluminum profile

Screw

Installation surface
(Wood or concrete wall)
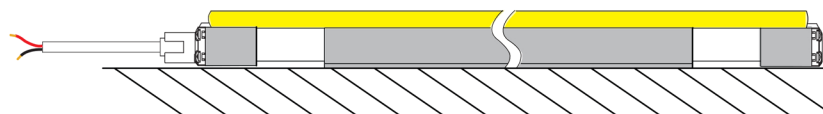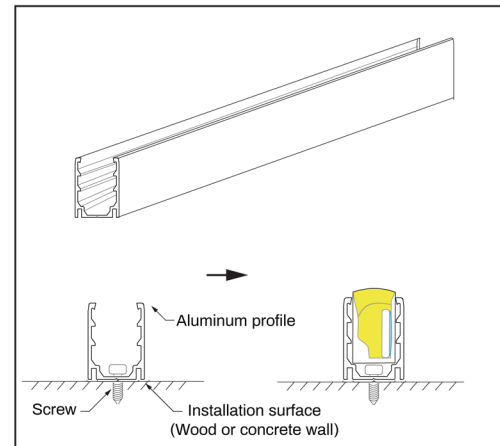
Press the flex light into mounted aluminum channel in one direction.

Installation direction

Incorrect installation like below picture could lead to light failure.

Installation direction
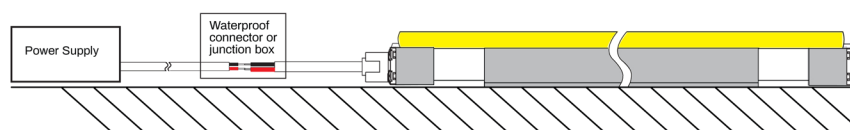
Installation direction

>100mm
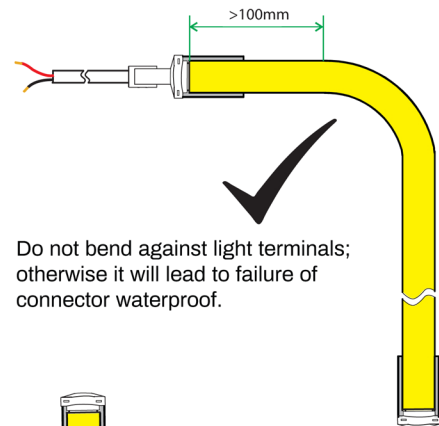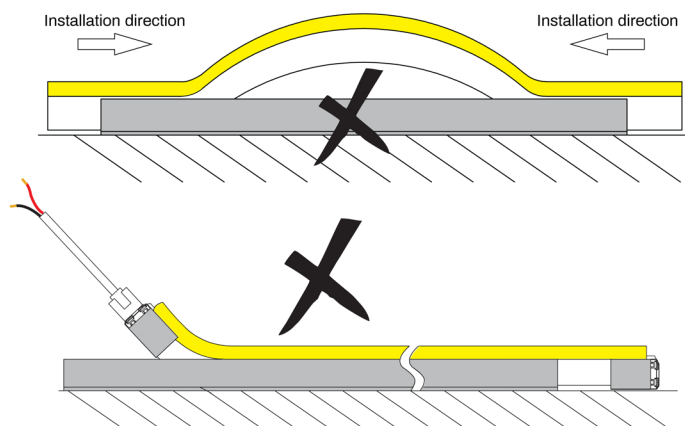
Do not bend against light terminals; otherwise it will lead to failure of connector waterproof.

<100mm
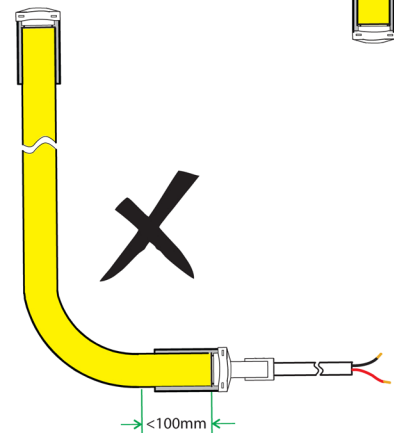
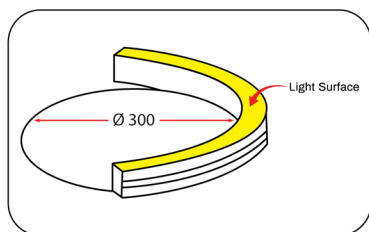Ensure the feeding cable not bear force, keep the head10mm in natural loose.

>100mm

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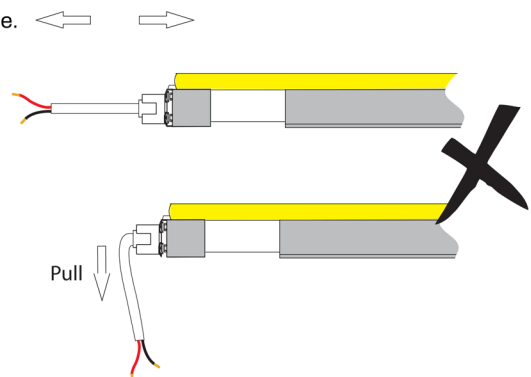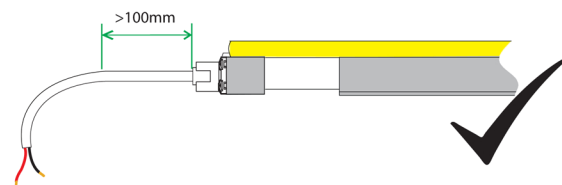
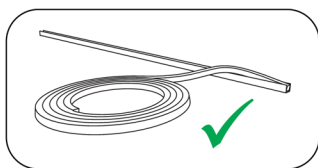Mount the cable junction in hermetic enclosure like waterproof junction box in outdoor application.

Power Supply

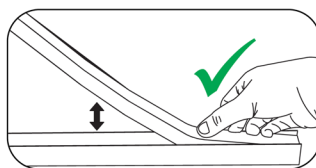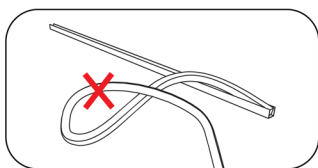Waterproof connector or junction box

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INSTALLATION

Attention

Ø 300
Light Surface

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 knoting 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.

≤300mm

≤300mm

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 maximum vertical force
≤4ON
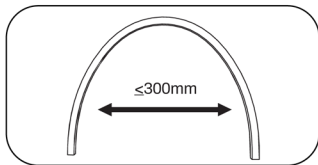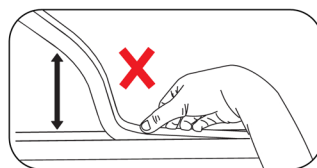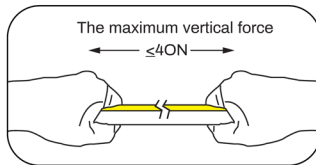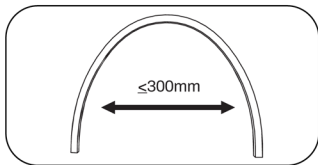
The safe tensile force for the LED strip shall be ≤4ON Excessive force may damage the internal circuitry.
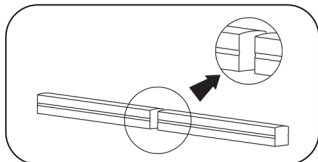
Safe twisting angle ≤4ON
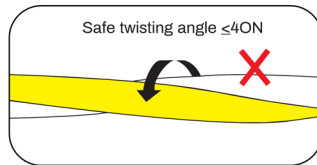
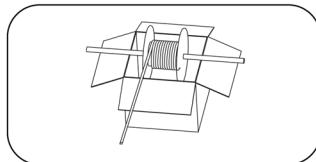The safe twisting angle for the LED strip shall not exceed 180°.
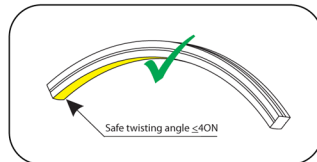
Warning sign
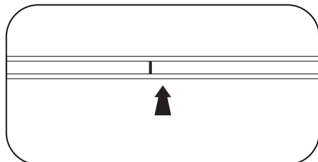
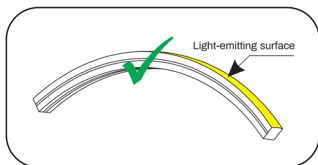Cuttable Marking Area
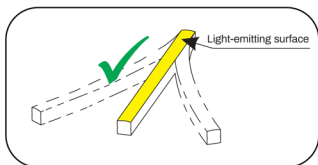(on the bottom or side of the product).

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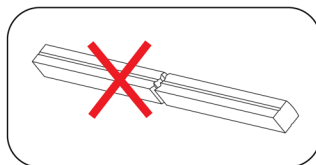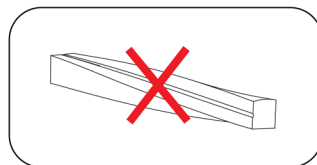
Mount the roll on a rod over the box and rotate to use.

Safe twisting angle ≤4ON

Top Bend.

Light-emitting surface

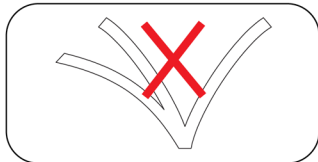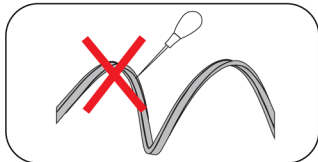Side Bend.

Light-emitting surface
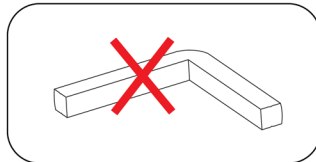
Free Bend.
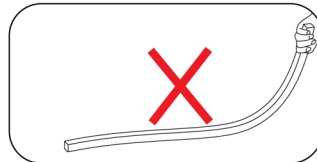
Do not leave uneven cuts.

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 jerkor yankwhen using the product.

1. The cutting marks are located on the PCB. Refer to the product cutting line window or laser markings von 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.