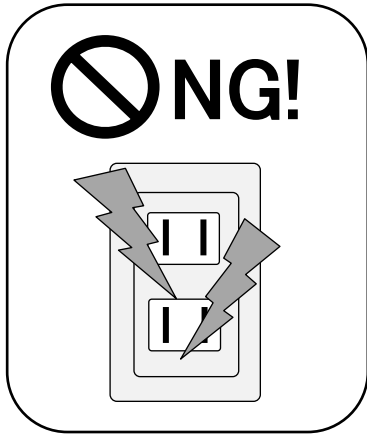# Caution when Installing the Product

Keep the followings to prevent damages, electric shock, fume and fire.

Do not connect to AC power.
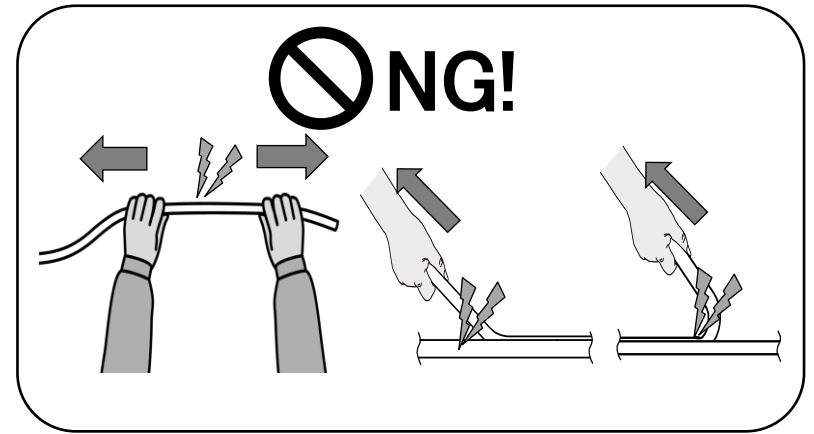
NG!
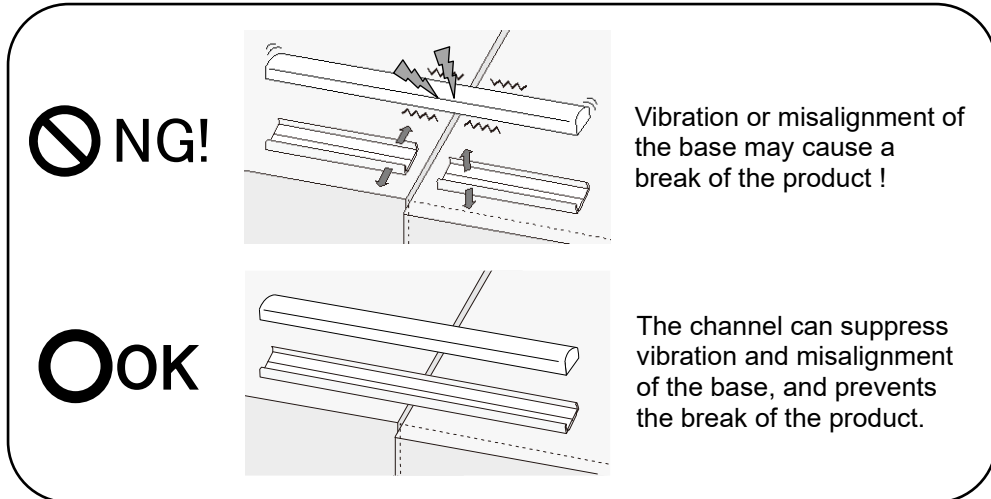
Do not use a tool with sharp point .

NG!

Do not tramp on or strike the product.

NG!

Do not pull out the product diagonallyfrom the channel.

NG!

Do not separate the channel at the gap of mounting base.

NG!

Vibration or misalignment of the base may cause a break of the product !

OK

The channel can suppress vibration and misalignment of the base, and prevents the break of the product.

Do not bend the product toward vertical direction.

×

Horizontal bending is OK

× Vertical bending is NG!
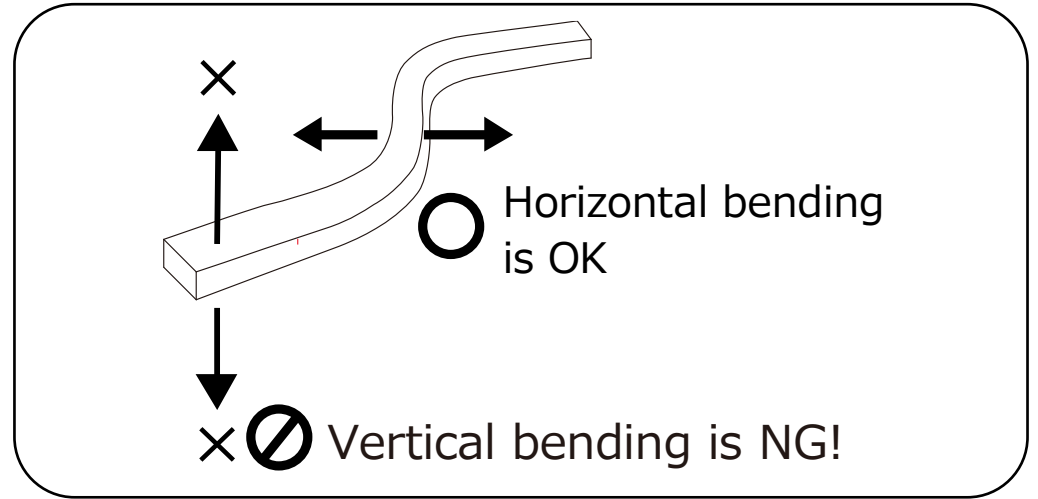
Long Silicone Light（GL）Instruction Manual

We will appreciate for your purchasing the product. Please carefully read this manual to install the product correctly and safely.
The contents described on this manual are subject to change without prior notice.

atex

Atex Co.,ltd.   ZTE2GL   Ver.20240418

WARNING

Read this section carefully to prevent electrical shock, fire and other hazard.

☐ Qualifications are required to do electrical works. Check the laws of your country.
☐ Input voltage is 24V DC only. Do not apply other voltage such as AC power.
☐ Do not disassemble or alter the product.
☐ Turn off the power before installing or handling the product.
☐ Do not put screws into the products directly. It will cause damages. Please refer to "Installation Method".
☐ Please do not perform the following actions on the product.
 ・ Excessive bending and twisting of the product.
 ・ Dropping and strongly striking the product.
☐ Do not install or handle the product with wet hands.
☐ This product should not be installed in the following places.
 ・ Places where water is continuously splashed or underwater. (This product is IP67 rated)
 ・ Places where moisture tends to remain.
 ・ Places with poor heat dissipation.
 ・ Places with high temperature and humidity, such as bathrooms and saunas.
 ・ Places with large vibrations and shocks.
☐ Clean and inspect the product on a regular basis. Leaving the product for a long period of time may cause smoke, fire, or electric shock.
 ・ Voluntary inspection and cleaning (once a year).
 ・ Inspection and cleaning by specialists such as an electrician (once every three years).

☐ If there is any trouble with the product, please immediately turn off the power and contact the dealer or installer.

CAUTION

☐ Please be careful that eyes might be hurt when you look straight at light emitting part.
☐ Please be careful about static electricity. It will damage LED's.
☐ The product is horizontal bending type. Please do not bend the product toward vertical direction. It may cause the failure.
☐ Do not install the lead wires with tension. It may cause the failure.
☐ The temperature rise of the product is influenced with the capacity and the distance from housing. Ambient temperatures must remain the product specification.
☐ The product cannot be used in the atmosphere of corrosive gas and flammable gas, like the following.
 ・ Area with synthetic rubbers, cardboards, and other materials containing Sulphur.
 ・ Area with hot springs containing Sulphur.
☐ Even if the bending is looser than the minimum bending radius (R60mm), repeated bending of the product may cause a malfunction. Do not bend the product more than 5 times, including attaching to the channel. Also, do not attach it to doors that open and close.

Specification

■ Product Specification

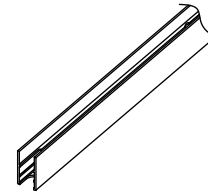| Product Name	Long Silicone Light						
Product No.	GL-**K, GL-**KW　　　Mono Color: GL-*, GL-*W "(Standard)" type: Lead wires at one end. "W" type: Lead wires at both ends.						
	**: Color Temperature	22	25	28	30	35	40	50
		2200K	2500K	2800K	3000K	3500K	4000K	5000K
	*: Mono Color	R	B				
		RED	BLUE				
Input Voltage	DC24V ±5%						
Power Consumption	10W/m　　(2200K・RED：8W/m, BLUE：10W/m)						
Operating Temperature	-10 ～ +55℃ (IP67 rated. Indoor / Outdoor)						
Dimension	Refer to dimension drawing.						
Weight	180g/m						
Minimum Bending Radius	R60 mm, horizontal.						
Maximum Series Connection Length *2	10.1m（5054mm × 2 + End-caps）						
LED Pitch	9.5mm						

*1 Please note that there is some variation in color among LED's.
 ・The white of RGB LED, and the white of single-color LED's is different in hues.
 ・The balance of emitted light color may change over time.
*2 The connection length of the product is also limited by the power supply.

■ Options

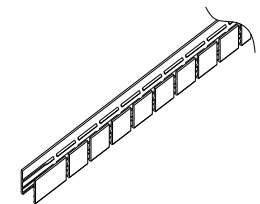| Product Name	Product No.	Remarks
Aluminum Channel for straight line	FAS00-01GD	L=1m
Aluminum Channel for curvy line	FAC20-01GD	L=1m
End cap	EC111-01	

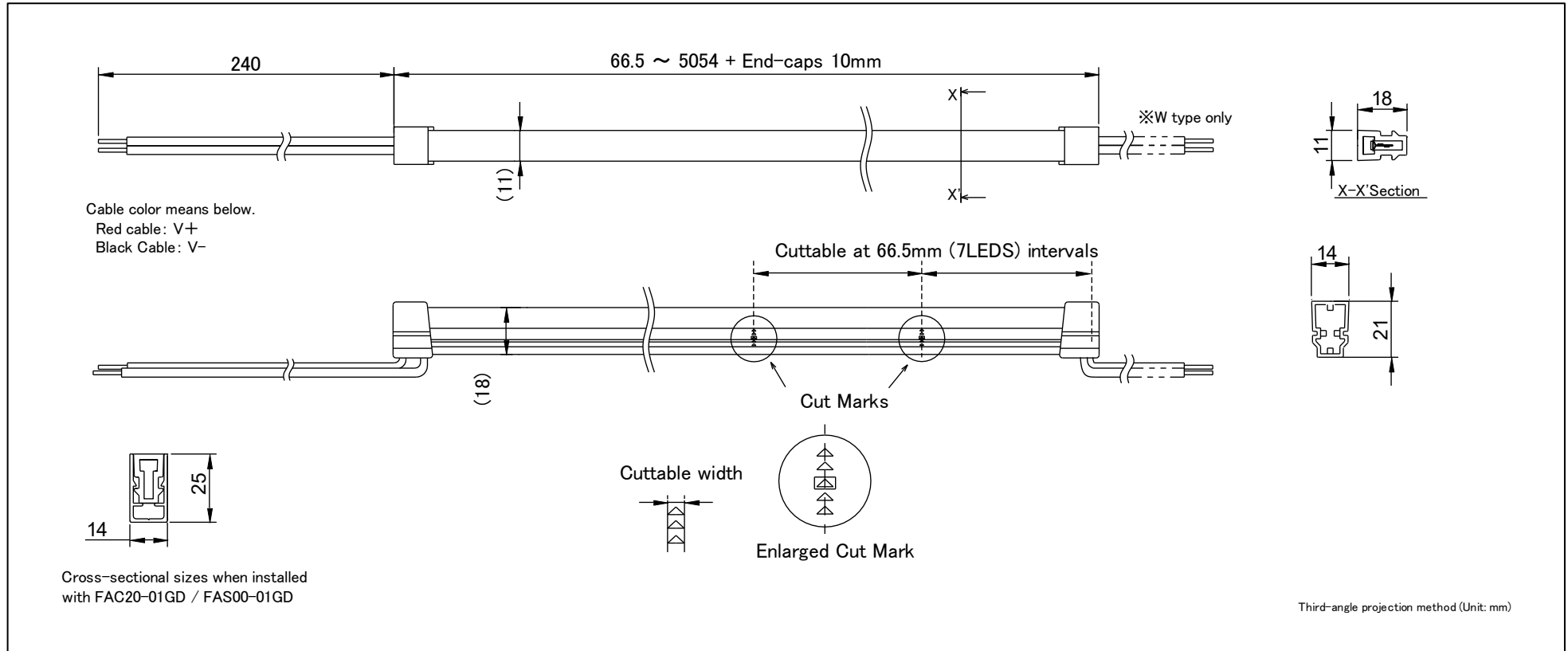Aluminum Channel for straight line

FAS00-01GD

Aluminum Channel for curvy line

FAC20-01GD

■ Dimension

240

66.5 ～ 5054 + End-caps 10mm

X

※W type only

18

11

(11)

X'

X-X'Section

Cable color means below.
Red cable : V＋
Black Cable : V－

Cuttable at 66.5mm (7LEDS) intervals

14

21

(18)

Cut Marks

25

Cuttable width

14

Enlarged Cut Mark

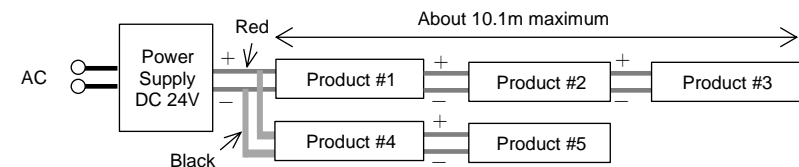Cross-sectional sizes when installed
with FAC20-01GD / FAS00-01GD

Third-angle projection method (Unit: mm)

Wiring Method

☐ Total length of series connected products should be 10.1 m or less (Maximum Series Connection Length). If two or more products are used, connect them in parallel so that the series length does not exceed 10.1 m.

☐ Confirm the power consumption of the products, and use the power supply that can drive all the products.

☐ System Diagram

・When total length of the products is 10.1m or less, series connection is available.

AC

Power
Supply
DC 24V

Red

＋

About 10.1m maximum

＋

＋

Product #1

Product #2

Product #3

－

－

－

Black
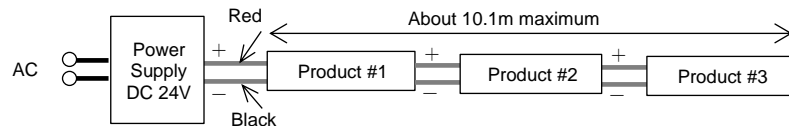
・When total length of the products is more than 10.1m, parallel connection is required.

AC

Power
Supply
DC 24V

Red

＋

About 10.1m maximum

＋

＋

Product #1

Product #2

Product #3

－

－

－

＋

Product #4

Product #5

－

－

Black

2

How to cut the product at site

- ☐ When you have to shorten a length of the product, it can be cut at every 66.5 mm. For the positions that can be cut, refer to the item of "Dimension".
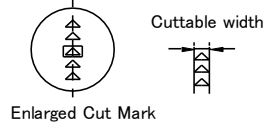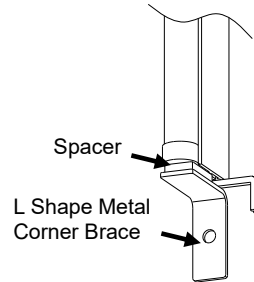
- ☐ Purchase optional End Cap (EC111-01) separately.
- ☐ Once the product is cut off, it cannot be repaired. Before cutting the product, ensure the cut mark.
- ☐ Using without End Cap may cause electric fault, fuming or fire.
- ☐ Diagonally cut may cause a failure of the product or prevent an attachment of End Cap.
- ☐ Damages and failures which caused by your cutting are not covered under the warranty.

Cuttable width

Enlarged Cut Mark

1. Determine the cut position.
2. Cut on the mark "△" correctly.
3. Make sure there are no chips or fragments on the cut section.
4. After cutting, cover the cutting point with End Cap.

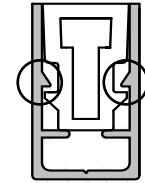## Installation Method

Spacer

L Shape Metal Corner Brace

■ Straight line installations

- ☐ Use Aluminum channel for straight line (FAS00-01GD).
1. Please cut the channels as needed. If you have to shorten a length of the product, refer to "How to cut the product at site".

2. Remove the burr after cutting the channel, because the burr may cause damages, electric shock and smoke.
3. Securely mount the channel on the wall using screws and screw holes.
   ・Please use the appropriate screws according to the wall.
4. Put and push the product into the channel securely.
   ・ Insert the product ribs securely below the channel ribs.
   ・ End caps should be out of the channel to avoid failure.
5. After attaching the products, pull them to make sure they are completely fixed in the channel. Otherwise, the products may be dropped off from the channel.

End caps should be outside of the channel.
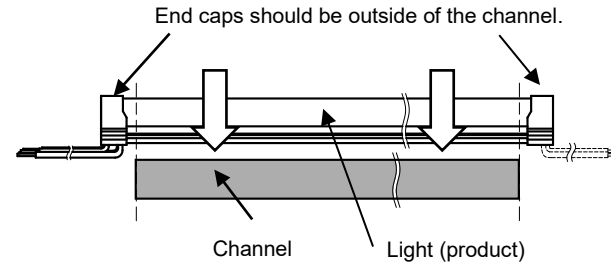
The product ribs should be below the channel ribs.

Channel   Light (product)

■ Curvy line installations

- ☐ Use Aluminum channel for curvy line (FAC20-01GD).
- ☐ The basic mounting method is the same as for straight lines.

1. Please cut the channels as needed.
2. Curve the channels along the wall, and securely mount them on the wall with screws. Please use the appropriate screws according to the wall.
3. Then, install the product into the channel.

■ In case of removing from the channel

- ☐ We DO NOT recommend to remove the product from the channel after the installation. Repeated installation and removing may causes failure.
- ☐ If you have to remove the product from the channel, lift up the product carefully and slowly, and pull it out vertically within 45 degrees with your hands.

If you have to remove the product from the channel, slowly lift it vertically from the edge.

Should be 45 degrees or less

🚫 **NG**
DO NOT pull out the product strongly.
DO NOT pull or bend the product diagonally.