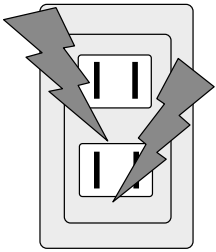


# Caution when Installing the Product

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

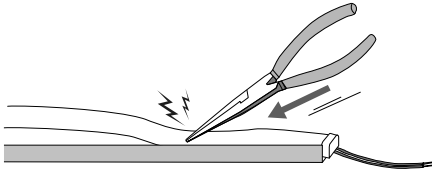
Do not connect to AC power.

**NG!**



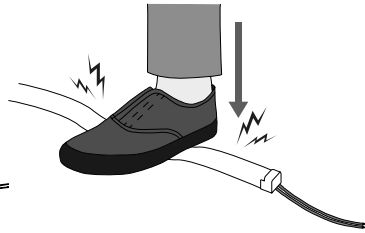
Do not use a tool with sharp point.

**NG!**



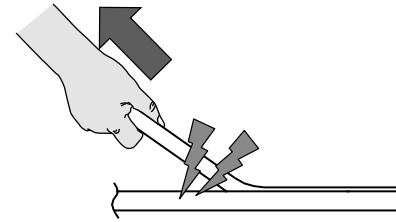
Do not tramp on or strike the product.

**NG!**

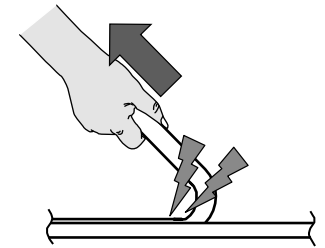


Do not pull out the product diagonally from the channel.

**NG!**

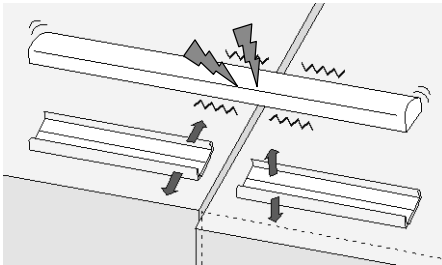


**NG!**



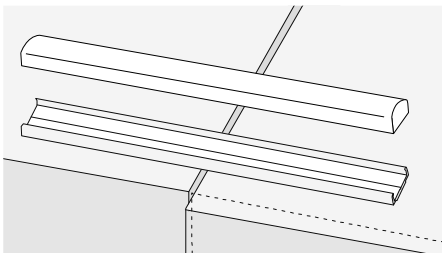
Do not separate the channel at the gap of mounting base.

**NG!**



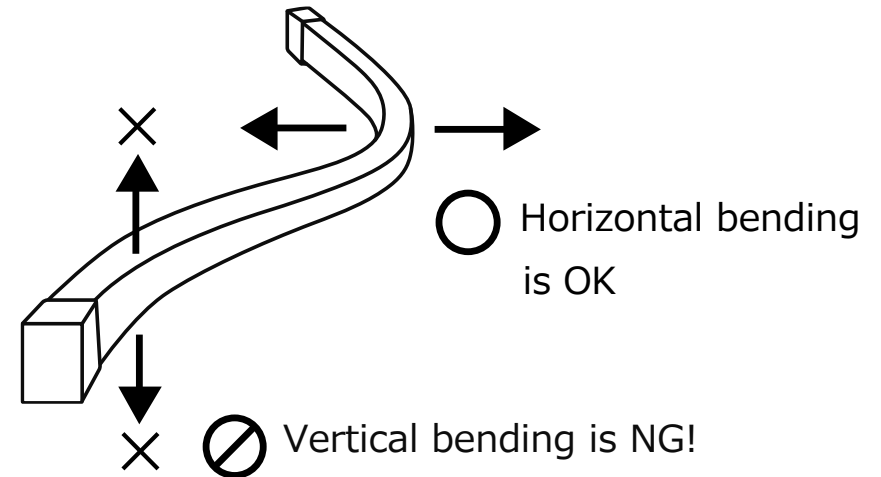
Vibration or misalignment of the base may cause a break of the product!

**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.



# Long Silicone Light Mini Instruction Manual

We will appreciate for your purchasing 'Long Silicone Light Mini'. Please carefully read this manual before use and fix install correctly and safely.

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Ver.20240510

## Warning

- Qualifications are required to do electrical works. Check the laws of your country.
- Input voltage is 24VDC only. Please do not apply other voltage such as AC100 to 230V. It will cause fume or fire.
- Do not put screws on the products directly. It may cause damages. Please refer to "How to Install"
- Please do not perform the following actions on the product.  
It will cause to decline in water resistant and installation performance.
  - Excessive bending and twisting of the product.
  - Dropping and strongly striking the product.
- It is dangerous working with wet hand. May cause electrical shock.
- This product should not be installed in a location where water is continuously splashed or underwater.
- The product can not be used the place such as "Atmosphere of corrosive gas and flammable gas"  
Because it may cause troubles.  
Please do not use the product in the following area.
  - Area with synthetic rubbers and cardboards.
  - Area with the material containing sulphur.
  - Area with atmosphere of sulphur such as hot springs.
- If there is any trouble with the product, please immediately turn off the power and contact the dealer or installer.
- The product can not be cut at site.

## Precautions

- Please perform installation or removal, after the switch must be turned off.
- Please be careful that eyes might be hurt when you look straight at light emitting part.
- The temperature rise of the product is influenced with the capacity and the distance from housing.  
Ambient temperatures must remain the product specification.
- 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.
- 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.

## Specification

### Product Specification

Product Number	Long Silicone Light Mini : GL09-05A**KH				
	- : Standard type. Lead wires at single end.				
	W: Lead wires at both ends.				
** : Color Temperature	30	35	40	50	
	3000K	3500K	4000K	5000K	
Input Voltage	DC24V ±5%				
Power Consumption	10W/m				
Operating Environment	Indoor / Outdoor -10~55 °C. IP67 rated.				
Dimensions	Refer to dimensional drawing.				
Weight	130 g /m				
Bending Radius	R60 mm or more. Vertical bending only .				
LED Pitch	9.5 mm				

### Accessories (Option)

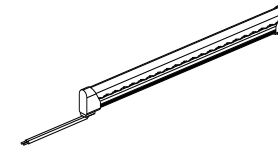
Product Name	Product Number	Remarks
AL Rigid Channel	FAS00-01GS	Straight line installations / L=1000mm
AL Flexible Channel	FAC15-01GS	Flexible line installations / L=1000mm
Fixing Holder	FAGS-HA	5pcs per pack *For additional options.

### Recommended total length connectable per power supply

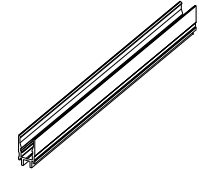
As for the product's connectable length to a power supply, please refer to the following formula.  
$$L = R \times 0.7 \div P$$
  
L: The product's connectable length to a power supply (m)  
R: Rated wattage of a power supply (W)    P: Power consumption of a product (W/m)  
e.g.  $100(W) \times 0.7 \div 10(W/m) = 7.0(m)$   
(100W power supply can be used for product's length 7.0m as maximum.)

## Product 3D Picture

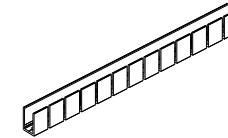
### Long Silicone Light Mini



### AL Rigid Channel



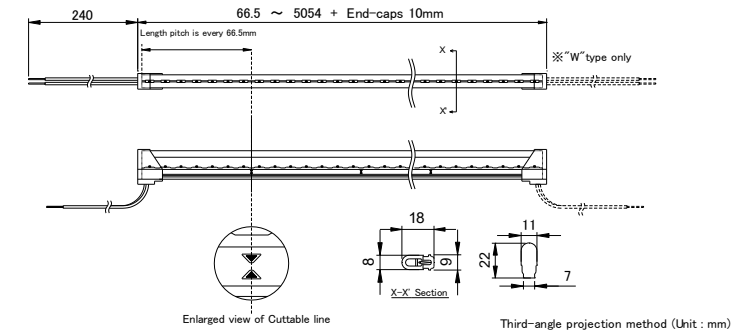
### AL Flexible Channel



### Fixing Holder

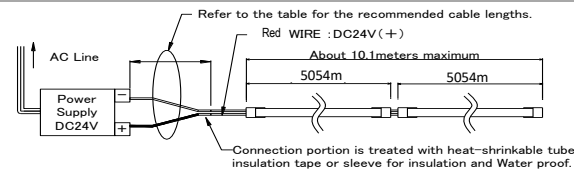


## Dimensions

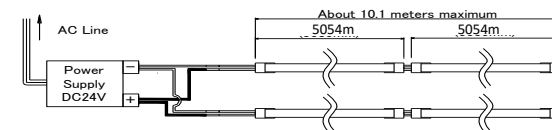


## How to Wire \* The product's maximum units connectable is 5054mm.

### In case of less than 10.1m



### In case of more than 10.1m (Multiple System Configuration)



### \*\*When the plurality of the power supply is used

In order to reduce the variation in brightness due to the voltage drop. Please perform the following wiring.

- Cable lengths must be the same.
- To equalize the voltage drop by distance and intensity of current.
- Please use power supplies as many as possible.

# Long Silicone Light Mini Instruction Manual

We will appreciate for your purchasing 'Long Silicone Light Mini'. Please carefully read this manual before use and fix install correctly and safely.

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## Installation Method

### Installation with AL Channel

- (1) Cut the channel as needed.
- (2) Remove the burr after cutting the channel.  
Otherwise the burr may cause damages, electric shock and smoke.
- (3) **In case of using Flexible Channel**, curl the channel as needed.
- (4) Mount the channel on the wall and tighten a screw into the screw hole to secure the channel properly as **Figure 1**. \* Wood Screw : 3.1 Round-head Screw

Figure 1

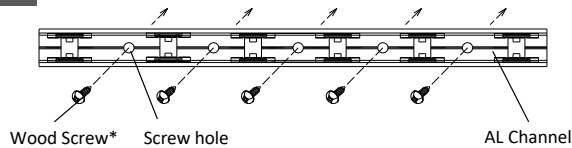
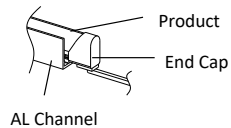


Figure 2



#### Note :

When putting the product into the channel, make the end cap parts project out the channel and DO NOT INSERT them into the channel as Figure 2

- (5) Put one end of the product into the channel  
And push gently from one end of the product into the channel as straining the product until the product's ribs and the fixing holder's ribs and click parts fit together as **Figure 3 & 4**

Figure 3

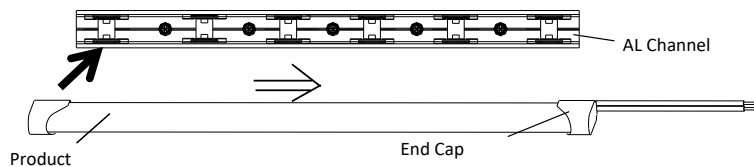
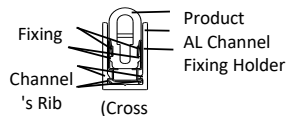


Figure 4



#### ⚠ Note

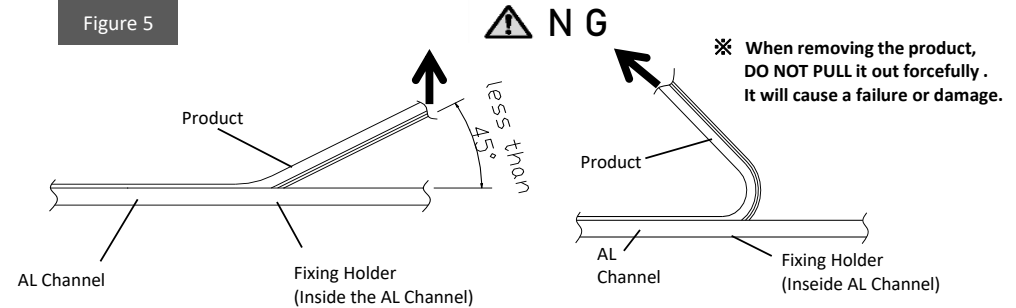
Minimum bending radius of the product is R60 mm.  
In case of installing Flexible Channel,  
DO NOT BEND the product less than R60mm

## Installation Method

### How to remove the product from AL Channel.

- (1) When you remove the product from the channel, bring the product up gently as far away from the Fixing Holder, and do not bend the product more than 45 degree as **Figure 5**.

Figure 5



### How to set Additional Fixing Holder into AL Channel

8 Fixing Holders preset in a AL Channel. But if it is necessary to make a lot of curve points or secure the product in AL Channel, Set additional Fixing Holders into the Channel as below.

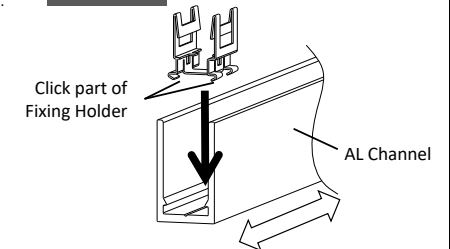
- (1) Put the Fixing Holder into the channel until it clicks with a screwdriver.
- (2) Slide the Fixing Holder and adjust the intervals between each Holders.
- (3) Mount the channel on the wall and screw a screw into the screw hole.

After setting the screws, the Fixing Holder can not be slid.

#### ⚠ Note ⚠ A Fixing Holder has 4 click parts as Figure 6.

When putting it into the channel, make all 4 click parts fit to channel's groove.

Figure 6



### How to install the product vertically

In case of installing the product vertically onto a wall or pole, it will be slid down.

Set a L-Shape bracket beneath the product as **Figure 7**.

Do not pinch the lead wires by L-Shape Bracket to prevent fire and failure.

#### ⚠ Note

- (1) Always use Atex Channel and Fixing Holder when installing the product.
- (2) Do not put the screws into the product directly.  
It will cause damages, electric shock and smoke.
- (3) Do not put double sided tape and glue onto the products to install.  
It will cause the failure and the decline in water resistant performance.
- (4) Do not bend or twist the End Cap parts.  
It will cause the failure and the decline in water resistant performance.
- (5) Do not pull the lead wires forcefully.  
It will cause the failure and the decline in water resistant performance.

Figure 7

