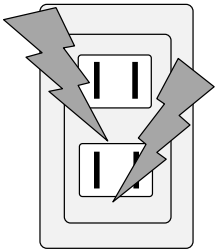


Caution when Installing the Product

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

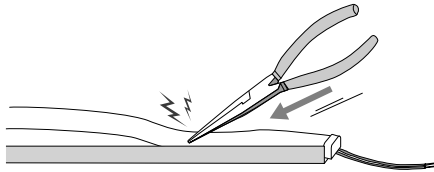
Do not connect to AC power.

NG!



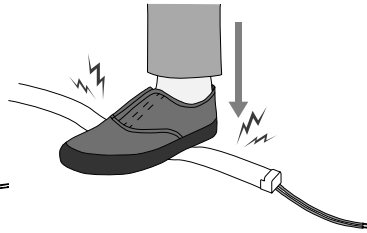
Do not use a tool with sharp point.

NG!



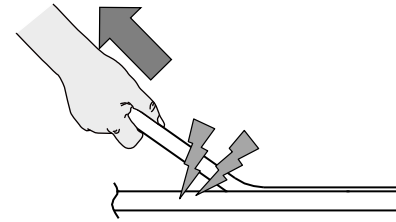
Do not tramp on or strike the product.

NG!

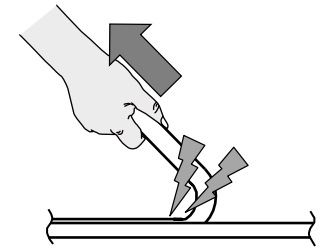


Do not pull out the product diagonally from the channel.

NG!

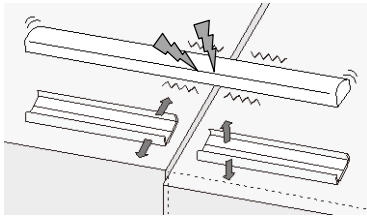


NG!



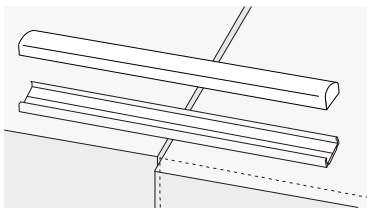
Do not separate the mounting channels at the gap (joint parts) between mounting bases.

NG!



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

OK

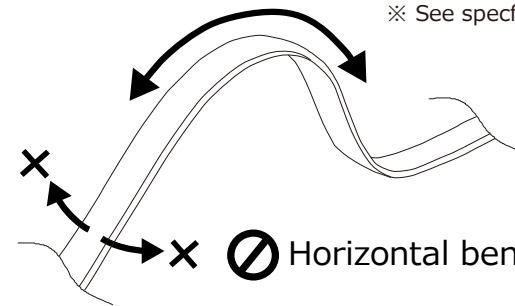


The channel can suppress vibration and misalignment of the base, and prevents the break of the product.

Do not bend the product toward horizontal direction.

○ Vertical bending is OK

※ See specification for bending radius.



○ Horizontal bending is NG!

Tape Light Wide Series Installation Manual

We will appreciate for your purchase of 'Tape Light Wide'. Please peruse this manual and install correctly and safely.

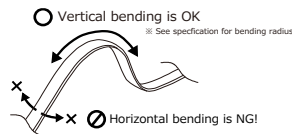
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Warning

- 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.
- Please do not put screws on the products directly. It may cause damages. Please refer to "Installation Guide"
- Please do not perform the following actions on the product. It will cause to decline in water resistant and insulation performance.
 - Excessive bending and twisting of the product.
 - Dropping and strongly striking the product.
- It is dangerous working with wet hands. May cause electrical shock.
- In case of outdoor product(TL08-090W*** or TL08-090W***W), the environment is Exterior, IP67 rated. Water and dust resistant. The product should not reside in standing water.
- 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.

Precautions

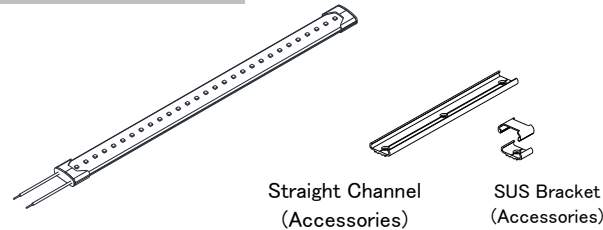
- Please perform installation or removal, after the switch must be turned off.
- Please be careful that eyes might be hurt when you look straight at light emitting part.
- The temperature rise of the product is influenced with the capacity and the distance from housing. When installed, please make sure that you have to keep the required space for installation based on "Notice of Installation".
- Ambient temperatures must remain the product specification.
- Please be careful about static electricity. It will damage LED's. The product is vertical bending type.
- Please do not bend the product toward horizontal 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

3D



Straight Channel (Accessories)

SUS Bracket (Accessories)

Product Specification

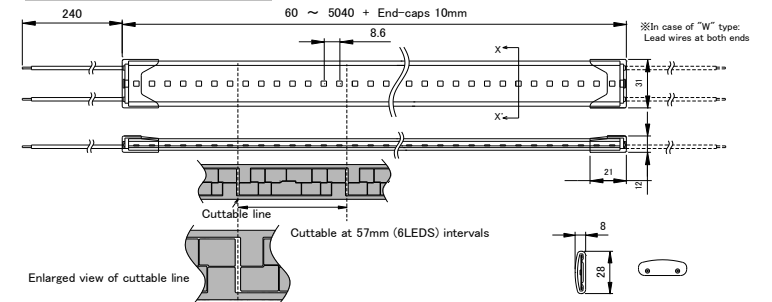
Location	Outdoor				Indoor			
Product No. (Standard type)	TL08-090W**K (** : Color Temperature)				TM08-090W**K (** : Color Temperature)			
Product No. (*"W" type)	TL08-090W**KW (** : Color Temperature)				TM08-090W**KW (** : Color Temperature)			
**	22	25	28	30	20	25	28	30
Color Temperature	2200K	2500K	2800K	3000K	2000K	2500K	2800K	3000K
**	35	40	50		35	40	50	
Color Temperature	3500K	4000K	5000K		3500K	4000K	5000K	
Input Voltage	DC24V ±1%							
Power Consumption	28 W / m (2200K : 20 W / m)							
Environment	Exterior, IP67 rated				Interior, dry location use only			
	-10~+50°C				-10~+40°C			
Dimension	Refer to dimensional drawing.							
Length	60 ~ 5040mm + End-caps 10mm							
Cutting points	60mm (7 LED) *Customized length order available.							
Weight	220g/m				180g/m			
Bending Radius	R60mm vertical							
LED pitch	8.6 mm							

Accessories

Product Name	Product No.	Remarks
PC Rigid Channel	FJS00-TW	Straight line installations / L=1000mm
PC Bracket	FJS00-TW01	5pcs per meter for flexible line installations
SUS Rigid Channel	FAS00-TW	Straight line installations / L=1000mm
SUS Bracket	FAS00-TW01	5pcs per meter for flexible line installations

Dimension

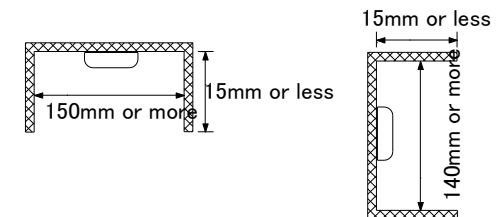
2D



Third-angle projection method (Unit : mm)

Notice of Installation

Please do not use the product in the closed space. Allow for proper air flow. The ambient temperature must remain the product specification. If the product is used the areas that become higher than the ambient temperature, it may cause damages *electrifications *smoke. Required space for installation is as below.



Cutting

- Please do not cut the product at a project site. The water and dust resistance cannot be guaranteed. Then the performance will be reduced.
- If you need the various length for a project site, we recommend to order the product with the customized length.

We will appreciate for your purchase of 'Tape Light Wide'. Please peruse this manual and install correctly and safely.

Ver.20240426

How to Wire

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)

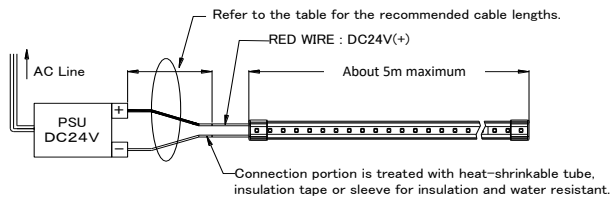
R : Rated wattage of a power supply (W)

e.g. $100(W) \times 0.7 \div 28(W/m) = 2.5(m)$
 (100W power supply can be used for product's length 6.3m as maximum.)

The product's Max. units connectable is 5040mm + End-caps.

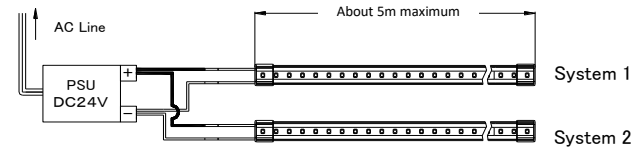
In case of less than 5m

If you need to install less than 5m, it can be connected in series as below.



In case of more than 5m

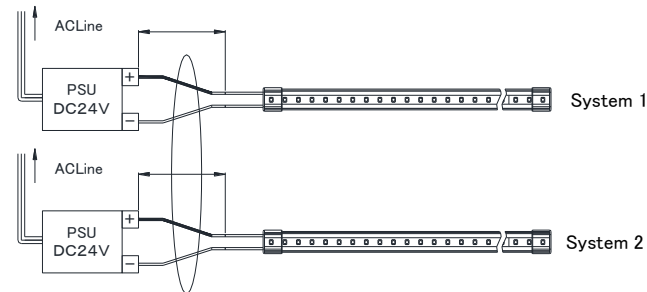
If you need to install more than 5m, it has to be connected in parallel as below.



Reference for installation

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

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



We will appreciate for your purchase of 'Tape Light Wide'. Please peruse this manual and install correctly and safely.

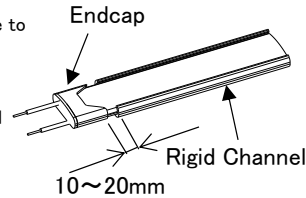
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Installation Guide

Use of Rigid Channel

(1) Cut the Channel

Please cut the rigid channel as needed because it is not available to insert the end cap of the product in the rigid channel.
The insertion of the end cap to the rigid channel may cause the failure and the damage.
Please have the gap 10~20mm between the end cap and the rigid channel.

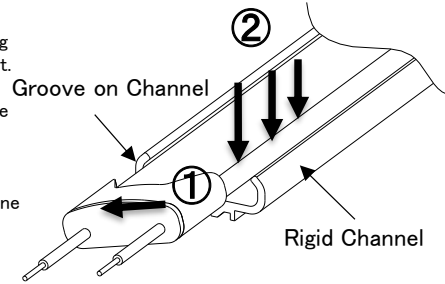


(2) Remove the burr of the channels after cutting

Note that the burr may cause damages.
* electrifications * smoke.

(3) Mount the Channel onto the wall

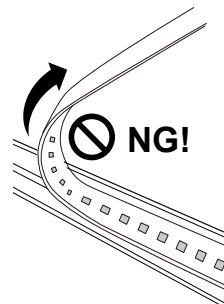
Please mount the rigid channel on the wall using screws into the screw hole to properly secure it.
Screw : 4.1 Round head screw
Please fix all screw holes to prevent floating the channel.



(4) Install the product into the Channel

- ① Please install the product with the diagonal line toward groove on the channel as the right drawing.
- ② After that, please install the products in the channel
• Please do not constrict LED of the product when installing the product in the channel.

When removing the products from the channel, please reverse the procedure above.



Prohibitions:

Please do not remove the products from the channel with excessive tension as the right figure. It will cause the failure.

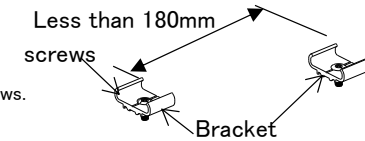
Caution

- (1) Please use Atex Rigid Channel and Atex Bracket for Tape Light Wide to install.
- (2) Please do not put screws on the products directly. It may cause damages.
- (3) Please do not use a double sided tape and a glue with the products to install.
- (4) Please do not bend the product forward horizontal direction. It may cause the failure.
- (5) The ends of the Tape Light wide are processed for water resistant or insulation.
Please do not constrict the product to keep the performance.
- (6) Please do not perform the excessive bending or twisting of the lead wires.
It will cause the failure and the decline in water resistant performance.

Use of Bracket

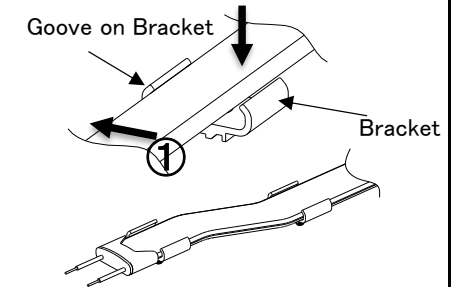
(1) Fix the Bracket with screws.

Please fix the bracket in the necessary location with screws.
Recommended pitch is 180mm or less
Recommended screws : 4.1 Round head screw
Please increase the number of the mounting bracket if needed for installation location at the project site.
The product is vertical bending type.
Bending Radius is 60mm vertical.



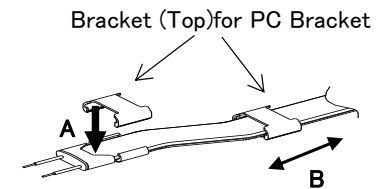
(2) Install the product into the Bracket

- ① Please install the product with the diagonal line toward groove on the bracket as the right drawing.
- ② After that, please install the products in the bracket.
• Please do not constrict LED of the product when installing the product in the channel.



For PC Bracket

- (3) A . Please attach the bracket(Top) to bracket(Bottom).
- B . Please move the brackets at the direction of the arrow and confirm that the bracket (Top) does not slip.
(Please refer to the right drawing)



Prohibitions:

Please do not remove the products from Bracket with excessive tension.

For vertical light appliance installation

Please attach Atex Rigid Channel or Atex Bracket with L bracket near the end of the light product as the right drawing in order to prevent displacement.
Then be careful not to catch lead wires in L bracket.
It may cause damages *electrifications *smoke.

