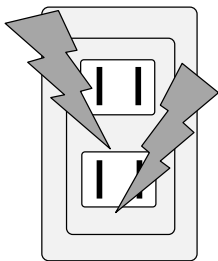


Caution when Installing the Product

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

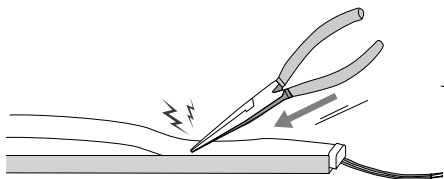
Do not connect to AC power.

NG!



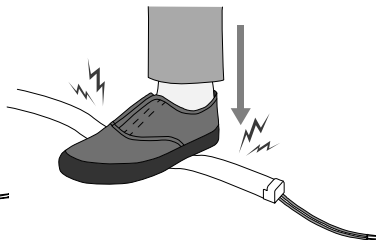
Do not use a tool with sharp point.

NG!



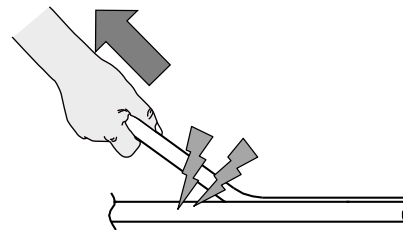
Do not tramp on or strike the product.

NG!

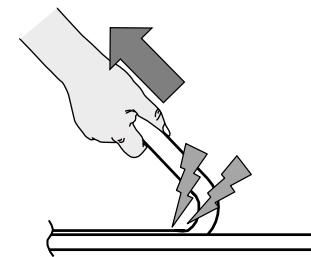


Do not pull out the product diagonally from the channel.

NG!



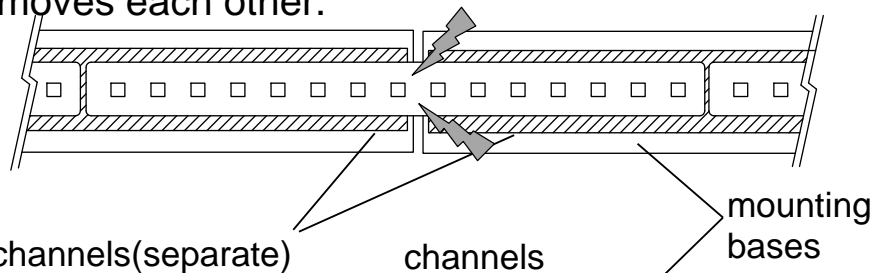
NG!



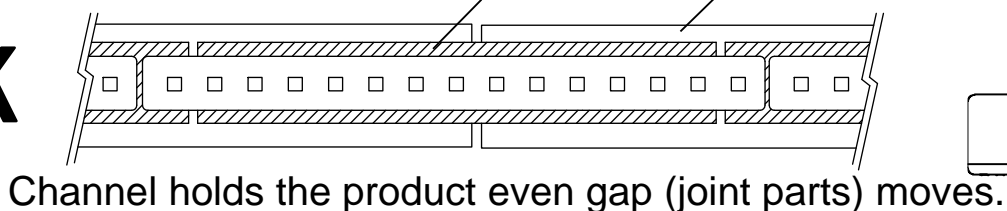
Do not separate the mounting channels at the gap (joint parts) between mounting bases.

Product may be damaged when gap (joint parts) moves each other.

NG!



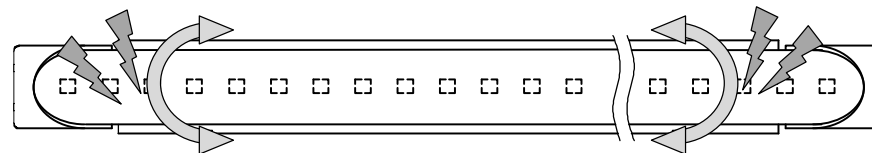
OK



Do not bend the product toward horizontal direction.

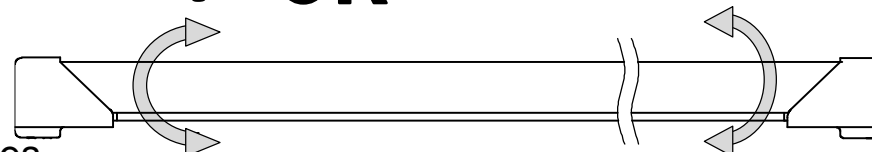
NG!

Horizontal direction



OK

Vertical direction.
Bending radius is 150 mm or more.



Tsubaki Seamless Light Type V (TL09D) Installation Manual

For Keeping

atex
Atex Co.,Ltd.

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.

ZTE2TLD09 Ver.220720

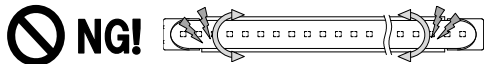
Warning

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

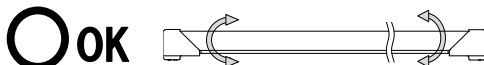
- Electrical works certificate is required to install and inspect this product.
- Input voltage is 24V DC only. Do not apply other voltage such as AC power.
- Do not disassemble or alter the product.
- Turn off the power before installing or handling the product.
- Do not put screws into the products 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.
- The temperature rise of the product is influenced with the capacity and the distance from housing. Ambient temperatures must remain the product specification.
- This product is IP67 rated. This product should not be installed in a location where water is continuously splashed or underwater.
- The product can not 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.
- 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 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 vertical bending type. Please do not bend the product toward horizontal direction. It may cause the



Horizontal bending



Vertical bending

- Please note that there is some variation in color among LED's.

Specification

Product Specification

Product No.	TL09-090D**K (**: Color temperature)									
**	22	25	28	30	35	40	50	RX	BX	
Color	2200K	2500K	2800K	3000K	3500K	4000K	5000K	Red	Blue	
Input Voltage	DC24V									
Power Consumption	11W/m (8W/m: RED only)									
Operating Temperature	-10 ~ +55°C (IP67 rated. Indoor / Outdoor)									
Cutting points	66.5mm (7 LEDs) * Customized length order available.									
Dimension	Refer to dimensional drawing.									
Weight	280 g/m									
Bending Radius	R150 mm vertical.									
LED Pitch	9.5 mm									

Options

Product Name	Product No.	Remarks
Aluminum Rigid Channel	FAS00-11TD	For straight line installations. Rigid channel (L=1000mm) 1 pcs Fixing Spring 3 pcs
Aluminum Mounting Bracket	FATD-HA	For curvy line installations. Bracket (L=36mm) 5 pcs Fixing Spring 5 pcs

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)

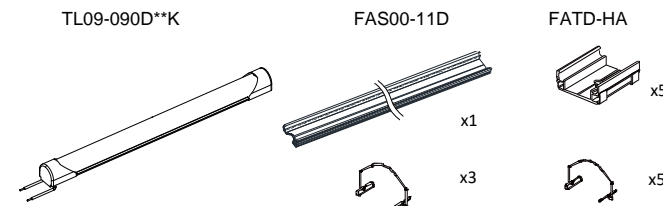
R: Rated wattage of a power supply (W)

P: Power consumption of a product (W/m)

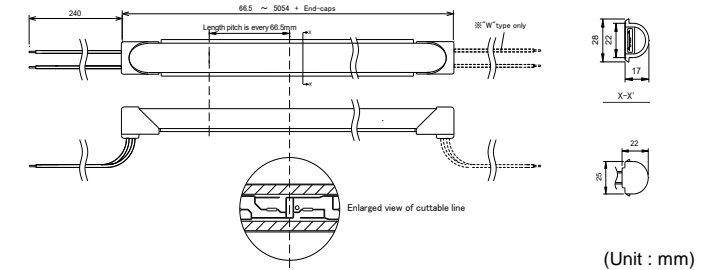
e.g. 100(W) x 0.7 / 11(W/m) = 6.3(m)

(100W power supply can be used for product's length 6.3m as maximum.)

Outlooking



Dimension



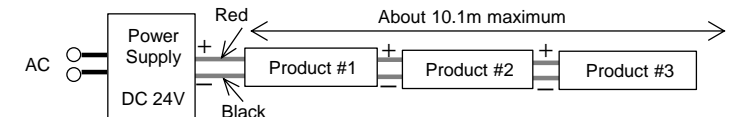
(Unit : mm)

Wiring Method

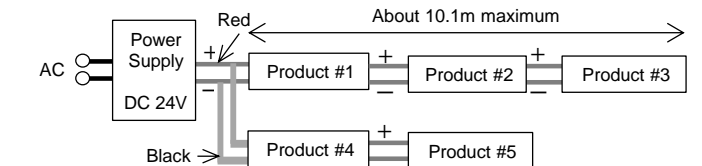
- Total length of serial connected products should be 10.1 m or less. If two or more products are used, connect them in parallel so that the serial length does not exceed 10.1 m.
- Confirm the power consumption of the products, and use the power supply that can drive all the products.

System Diagram

•When total length of the products is 10.1m or less, serial connection is available.

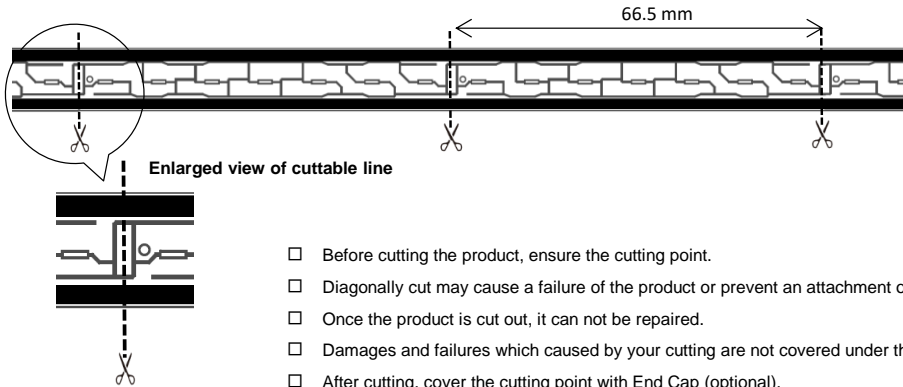


•When total length of the products is more than 10.1m, parallel connection is required.



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.
- Purchase optional End Cap separately.



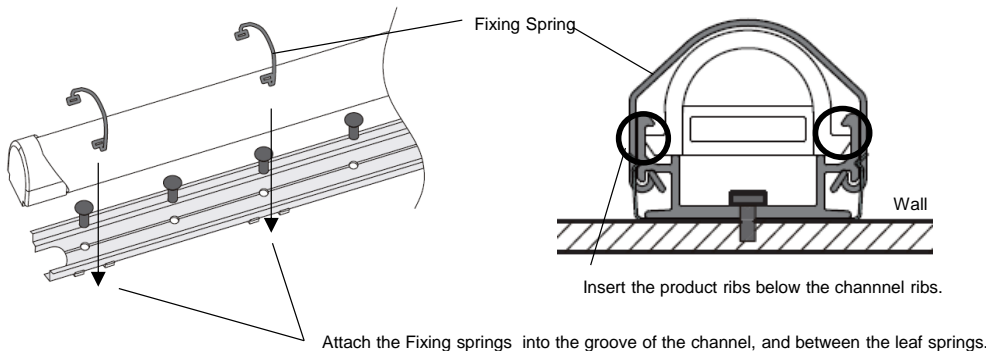
- Before cutting the product, ensure the cutting point.
- Diagonally cut may cause a failure of the product or prevent an attachment of end cap.
- Once the product is cut out, it can not be repaired.
- Damages and failures which caused by your cutting are not covered under the warranty.
- After cutting, cover the cutting point with End Cap (optional).
- Using without End Cap may cause electrical fault, fuming or fire.

Installation Method

■ Straight line installations

Use Aluminum Rigid Channel, FAS00-11TD.

1. Please cut the channel as needed.
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.
5. Attach the Fixing Spring over the product into the groove of the channel, and between the leaf springs of the holder attached backside the channel.
 - After attaching the fixed springs, pull them to make sure they are completely fixed in the channel grooves. Otherwise, the product may be dropped off from the the channel.

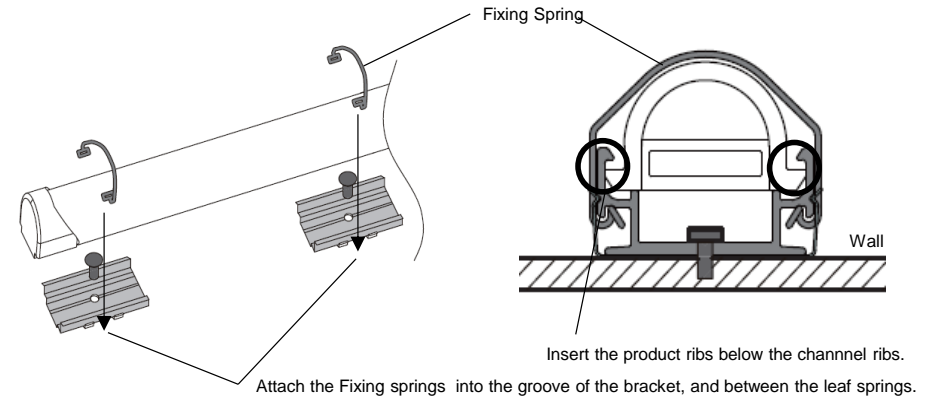


■ Curvy line installations

Use Aluminum Mounting Bracket, FATD-HA.

1. Securely mount the bracket on the wall using screws and the screw holes.
 - Please use the appropriate screws according to the wall.
2. Put and push the products into the bracket securely.
 - Insert the product ribs securely below the bracket ribs.
3. Attach the Fixing Springs over the product into the grooves of the brackets, and between the leaf springs of the holder attached backside of the bracket.

* After attaching the fixed springs, pull them to make sure they are completely fixed in the bracket grooves. Otherwise, the product may be dropped off from the the bracket.



CAUTION

- Use Atex Accessories to install the product.
- Do not put the screws on the product directly. It may cause damages.
- Do not use double sided tape and glue to install the products.
- Do not perform the excessive bending or twisting of the lead wires and End Caps. It may cause the failure and the decline in water resistant performance.
- In case of installing the product vertically, it may be slid down. As the right figure, set the L-shape metal corner brace beneath the product. Do not pinch the leads by the brace to prevent fire.

