Caution when Installing the Product
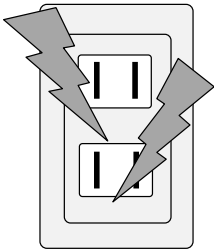
Keep the followings to prevent damages, electric shock, fume and fire.
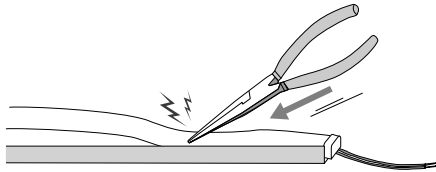
Do not connect to AC power.
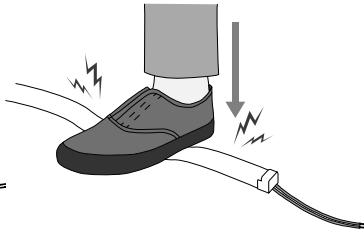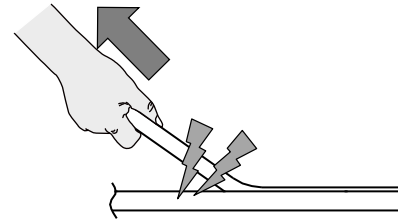
🚫NG!

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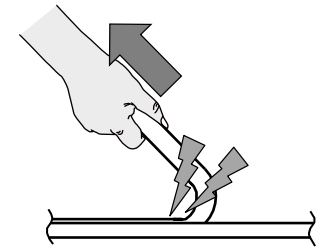
Do not separate the channel at the gap of mounting base.

🚫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 horizontal direction.

⭕ Vertical bending is OK

※ See specfication for bending radius.

⊘ Horizontal bending is NG!

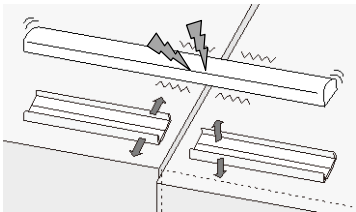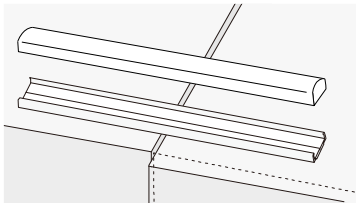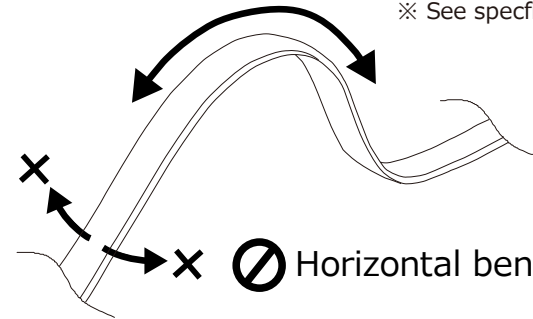# Tape Light Indoor (TM09 / 9.5 mm pitch) , Tape Light (TL09 / 9.5mm pitch) Instruction Manual

For Keeping

atex
Atex Co.,ltd.

We 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.　ZTE2TLM09　　Ver.20240419

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.
- ☐ The temperature rise of the product is influenced with the capacity and the distance from housing. Ambient temperatures must remain the product specification.
- ☐ Tape Light Indoor (TM09) is for indoor and dry location use only. Do not install the product in a wet or high humid location.
- ☐ Tape Light (TL09) is for indoor and outdoor use, and IP67 rated. This product should not be installed in a location where water is continuously splashed, underwater or reside in standing water.
- ☐ 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 failure.

Vertical bending : OK　　　　　Horizontal bending : NG

✓ OK　　　　　🚫 NG!

- ☐ 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 Number		Tape Light Indoor: TM09-091A**K, TM09-091A**KW								
		Tape Light: TL09-090A**K, TL09-090A**KW								
		- : Standard type. Lead wires at single end.								
		W: Lead wires at both ends.								
**: Color Temperature	TM09	20	25	27	30	35	40	50	-	-
		2000K	2500K	2700K	3000K	3500K	4000K	5000K	-	-
	TL09	22	25	28	30	35	40	50	RX	BX
		2200K	2500K	2800K	3000K	3500K	4000K	5000K	Red	Blue
Input Voltage		DC24V								
Power Consumption		11W/m (2200K: 9W/m RED: 8W/m)								
Operating Environment	TM09	Indoor -10～50 ℃								
	TL09	Indoor / Outdoor -10～55 ℃. IP67 rated.								
Dimensions		Refer to dimensional drawing.								
Weight	TM09	70 g /m								
	TL09	130 g /m								
Bending Radius		R30 mm or more. Vertical bending only.								
LED Pitch		9.5 mm								

■Options

Product Name	Product Number	Remarks
Polycarbonate Rigid Channel	FJS00-22	1 pcs. L = 1000 mm.
Polycarbonate Mounting Bracket	FJB00-21	5 pcs per pack.

■Out looking

TM09/TL09　　　　FJS00-22 (option)　　　FJB00-21 (option)

x 1　　　　　x 5

■Dimension
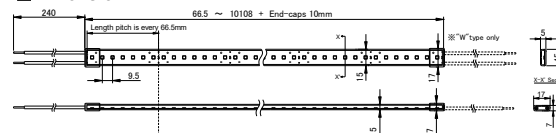
"W" type has the lead wires at both sides.

Third-angle projection method (Unit : mm)

■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. $100(W) \times 0.7 / 11(W/m) = 6.3(m)$

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

Wiring Method

- ☐ Total length of serial connected products should be 10.1m 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.
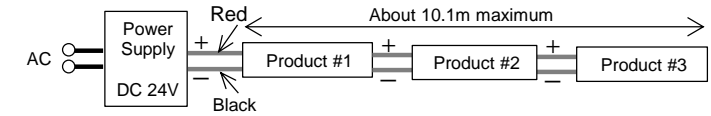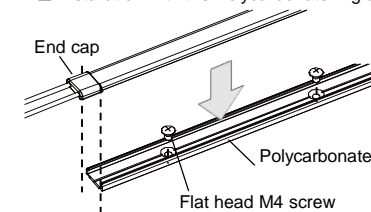

・When total length of the products is more than 10.1m, parallel connection is required.
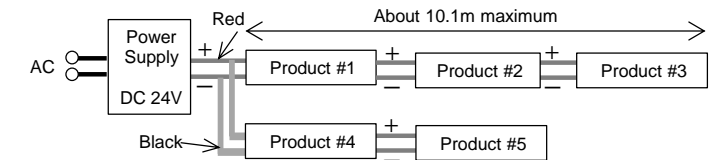
Installation Method

■ Installation with the Polycarbonate Rigid Channel (option).


End cap

Polycarbonate

Flat head M4 screw

1　Cut the rigid channels as needed, and fix them to the location with flat head M4 screws (commercial item). Do not put screws into the products directly. Please fix all screw holes to prevent floating the channel.

2　Slide the lamp into the channel except end

・We DO NOT recommend to remove the product from the channel after the installation.
・If reinstalling is necessary, lift up the product slowly and pull it out vertically with your hands.
・DO NOT pull out the product diagonally.

✓ OK　　　　　　　　🚫 NG!

Vertically　　　　　　　　Diagonally
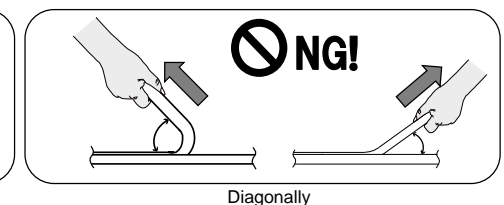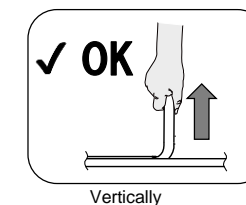
■ Installation with the Polycarbonate Mounting Bracket (option).
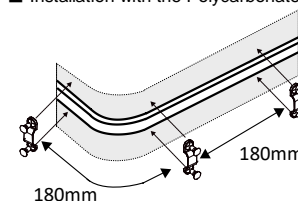
180mm

180mm

Install the product with the Polycarbonate Mounting Bracket (optional) and flat head M4 screws (commercial item). The recommended distance between the brackets is about 180 mm.