

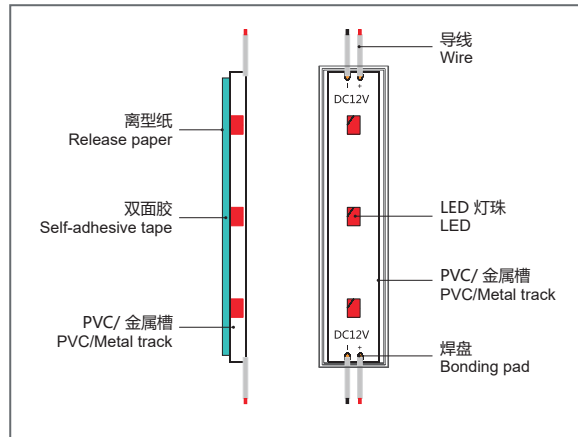
USER MANUAL OF MODULE SERIES-PVC/METAL TRACK WATERPROOF MODULE

PVC

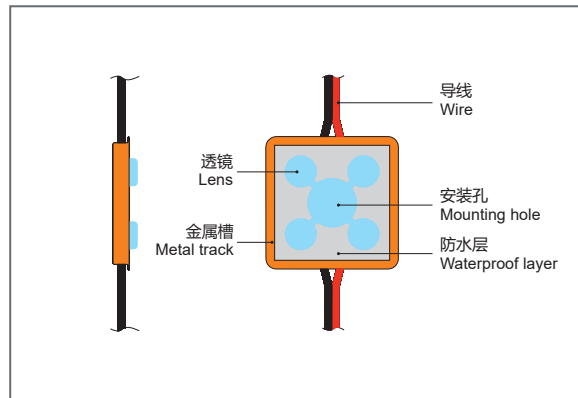


01 ▶ Product Structure

Longstrips



rectangle



The LED module with PVC or metal track is collectively referred to as PVC/metal track module. Common shape: long strips and rectangles.

02 ▶ Features

- ▶ Long strips and rectangles shapes
- ▶ Small size for easy mounting
- ▶ Strong and durable metal track
- ▶ Single module cuttable

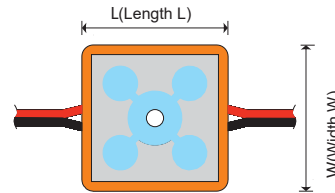
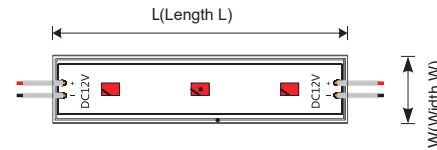
03 ▶ Application

- ▶ Back-lit light box, blister letters, flat letters, mini letters, leaky letters etc.

04 ▶ Installation

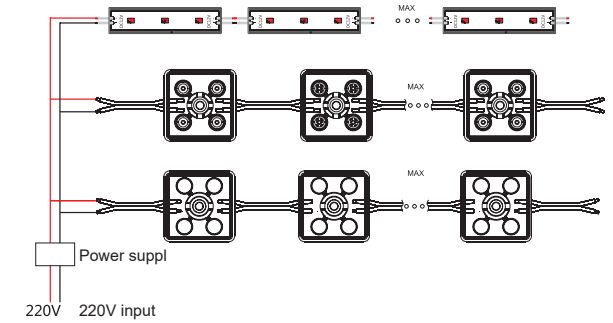
- ▶ Fix by self-adhesive tape, rivet (or screw) or through-hole.

05 ▶ Structural parameters Introduction

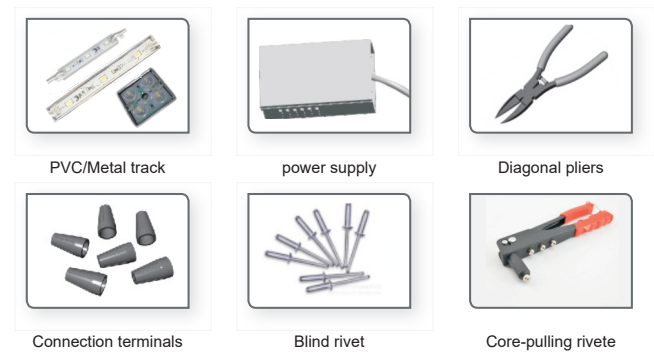


- ▶ Length: Length of the single module.
- ▶ Width: Width of the single module.
- ▶ Standard series connection: the length of standard packing.
- ▶ Max Run: it refers to in single feed situation, when the difference of optical & electrical parameters between the first module and some one module is close to $\pm 5\%$, the distance between the head and the cutting position of the one, which abbreviated MAX.

06 ▶ Wiring diagram

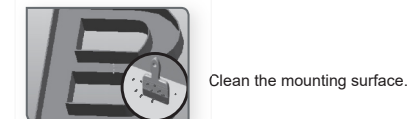


07 ▶ Installation

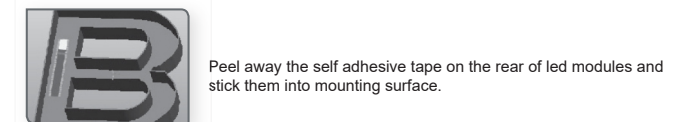


InstallationSteps

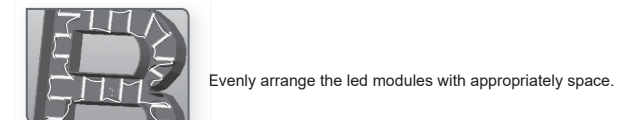
Fix by self-adhesive tape (suitable for long strips module)



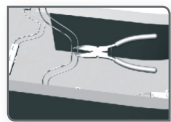
Clean the mounting surface.



Peel away the self adhesive tape on the rear of led modules and stick them into mounting surface.



Evenly arrange the led modules with appropriately space.



Cut the modules according to the requirements and treat the cut place with insulation and waterproof arrangement.



Cut in the middle of the wire.



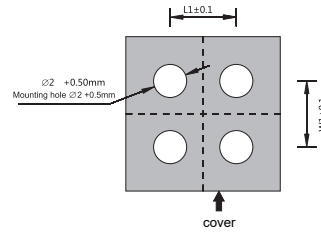
Please fix by at least two terminals if the product need to be connected.

Make sure the correct connection of positive and negative poles between led module and power supply.

treat the wire ends with insulation,waterproof, and anti-corrosion arrangement as it cannot pull out by hands.

Fix by blind rivet or screws + cover(suitable for rectangle metal track)

Hole size of cover

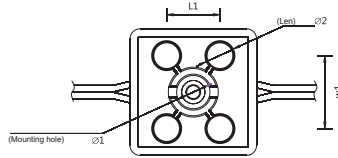


Other steps are same with the "Fix by blind rivet or screws (suitable for rectangle metal track)"

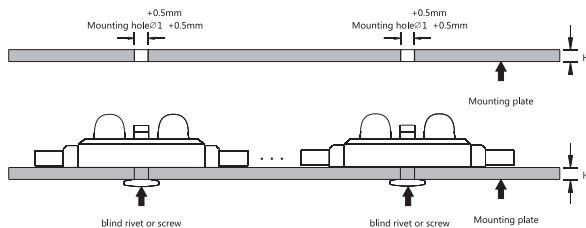
08 ▶ Attentions

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the product and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between the product and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have insulation, waterproof and anti-corrosive treatment

Fix by blind rivet or screws (suitable for rectangle metal track)



Mounting plate thickness and accessories(only for blind rivet or screws)



Note:

- ▶ For places that need higher requirements or has strong vibration, it is recommended to use screws or blind rivets to fix the product.
- ▶ The length of blind rivet or screw is determined by the thickness of the product and the mounting plate.
- ▶ Please select high quality blind rivet, for inferior one may damage the product. For example, poor quality rivets is not easy to pull and in the core pulling process, the product has long-term uneven force, resulting in product waterproof layer changes and waterproof performance reduction; If there are problems, it need to install repeatedly, and the products will be subjected to pressure many times, which will damage the product and even seriously affect the service life of the product.

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Supply electricity.
	Automatic power protection from the open or short circuit in output of the power supply.	Fix the short circuit problem.
	Wrong connection of power supply.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Check the power supply system to fix it.
	Power supply line error.	
	Mistaken wire connection of some of products	Correctly connection
Brightness of LED is inconsistent or insufficient.	Power overloaded.	Replace with more powerful power
	Power supply circuit excessive consumption.	Make sure working voltage of the product within $\pm 5\%$ of standard voltage, or keep balance by circuit power consumption.
	Excessive quantities in series connection of the product.	Reduce the quantities of the product in series connection to meet requirement.
LED flicker.	Connection point fault.	Remove bad connection point.
	Switching power supply failure.	Replace a new power supply.
	Wrong Installation or use of products	Please follow the instructions

警告 Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- The length of the power cable between the power supply and the Product should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician. Make sure the series connection within max run.
- Repair should be operated by a qualified technician, if the external circuit or main line of this product is damaged.
- The parameters given in this manual are typical values and for reference only.
- All illustrations and drawings in this manual are for reference.
- This product is subject to change without notice.

LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.