

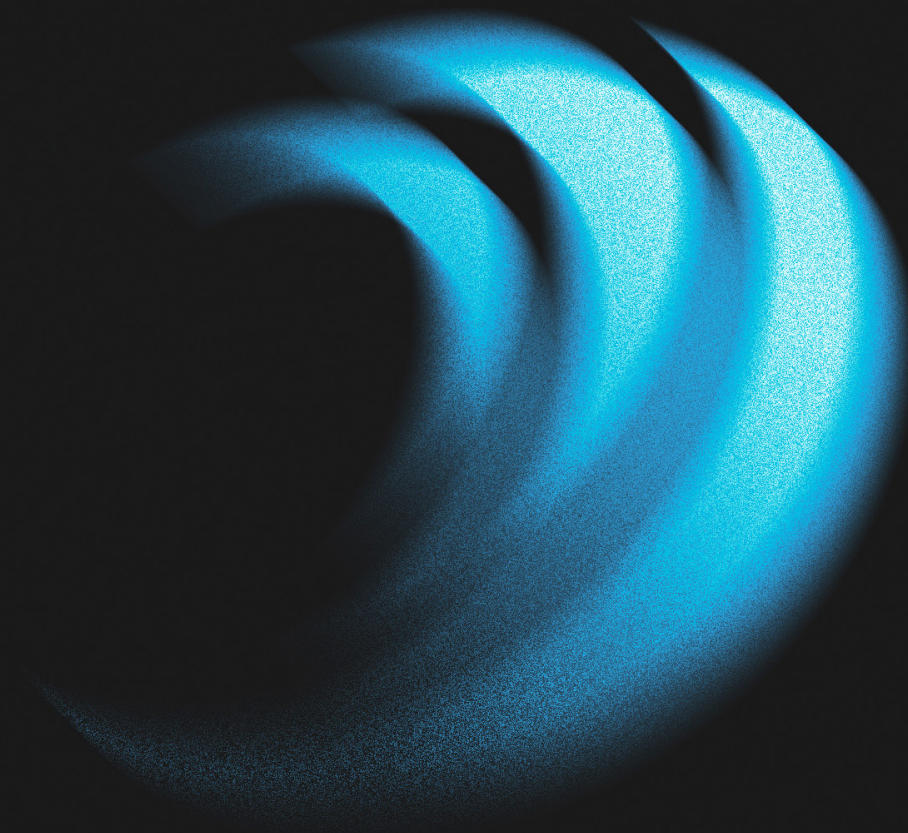


LED

STRIP LIGHT MFO1611

DC 24V

FLEXIBLE WALL WASHER





MFO1611-5050-56-24-RGB-SPI

Flexible Wall Washer

FEATURES

- SPI control strip;
- Excellent attenuation performance and long lifespan;
- 3D bending design for easy installation;
- Multiple lens angles available;
- Customizable upon request.



OPTICAL & ELECTRICAL PARAMETERS

Model No.	Voltage	Lens Angle	Pix/m	Color	CCT/Color Available	Lm/m	Lm/W	W/m
MFO1611-5050-56-24-RGB-SPI	24V DC	60°	8	R	620-625nm	113	21	5.37
				G	525-530nm	306	57	5.37
				B	465-470nm	64	12	5.37
				RGB	\	469	33	14.21

OTHER PARAMETERS

Model No.	LED Qty (pcs/m)	Standard Packing Length (mm)	Max Run (m)	Min. Cutting Unit (mm)
MFO1611-5050-56-24-RGB-SPI	56	5000	6	125

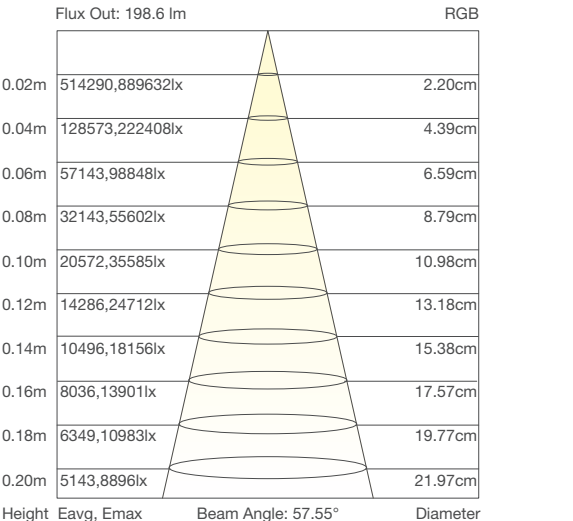
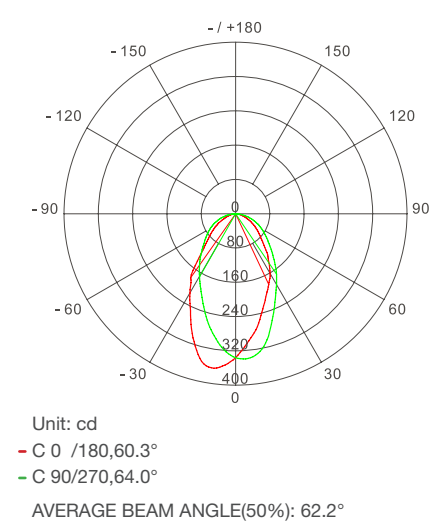
☐ Working Temperature: -20~+50°C ☐ Storage Temperature: -20~+70°C

Note:

- Test environment temperature is 25±2°C.
- The above data was measured under standard conditions and actual data may be different. We would update data without further notice.
- The above luminous flux data is based on corresponding light Color.
- If the selected LED chip is different, the color temperature and luminous flux will change accordingly.
- *Typical luminous flux and power error are ± 10%.
- *The Max run length is based on one end power feed.

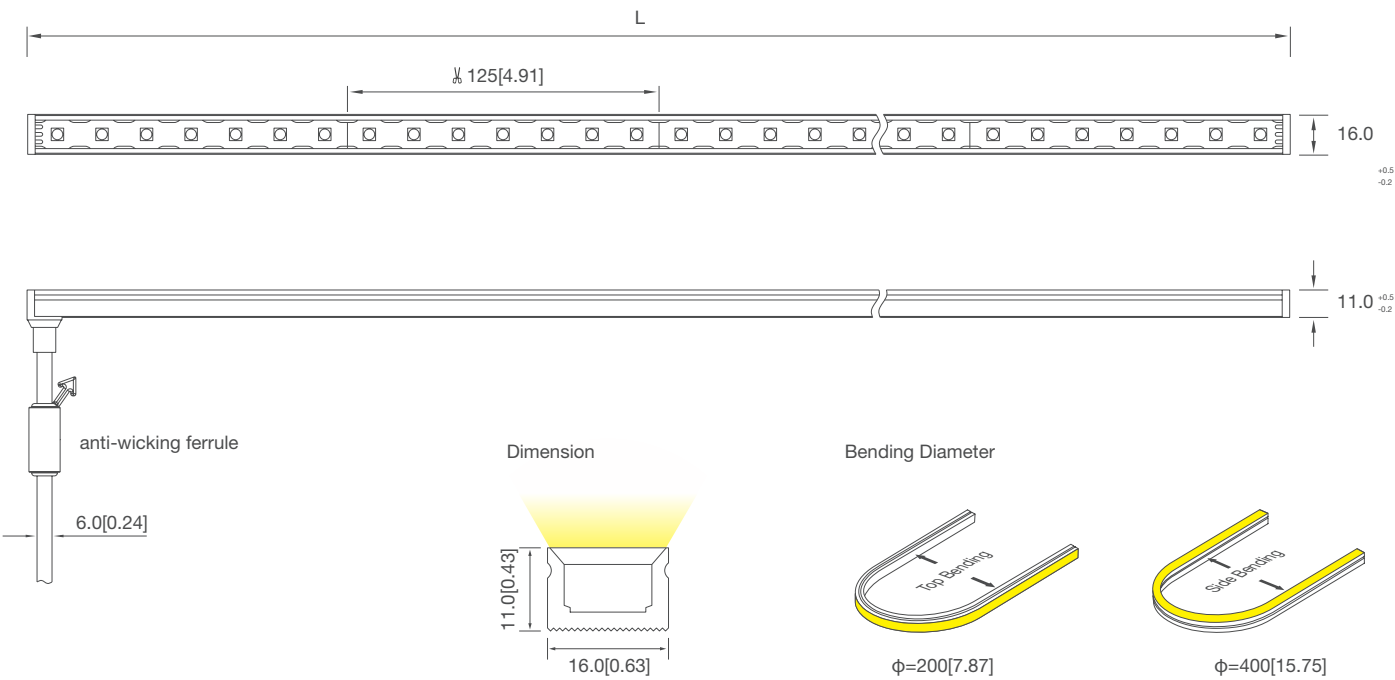
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE ILLUMINATION

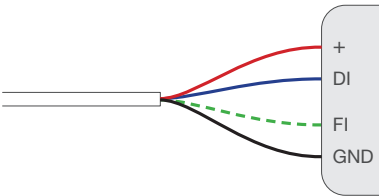


Note: above data tested with MFO1611-5050-56-24-RGB-SPI . For other data,please consult sales rep.

Unit: mm



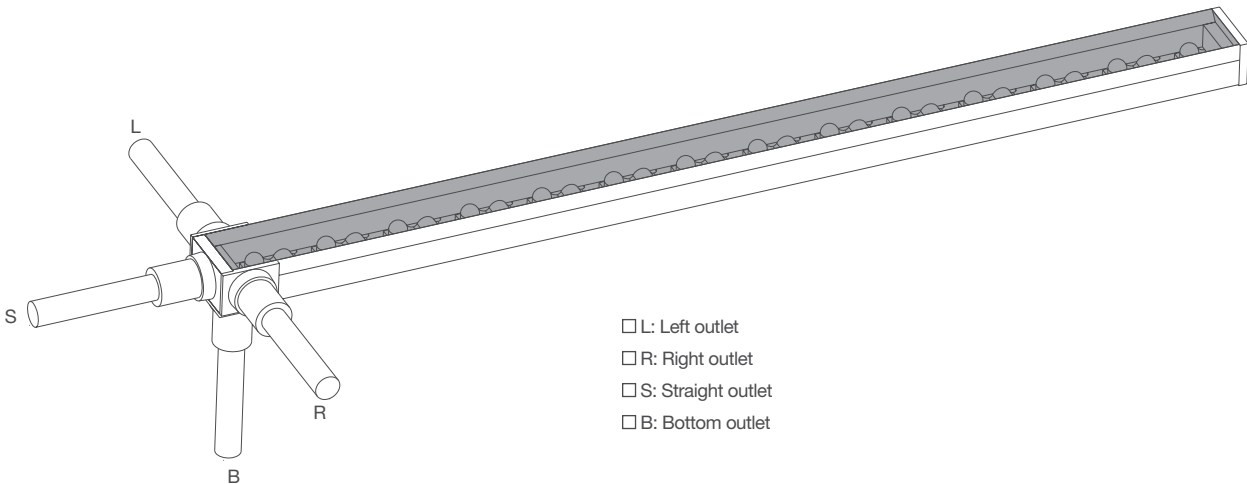
Wiring Diagram



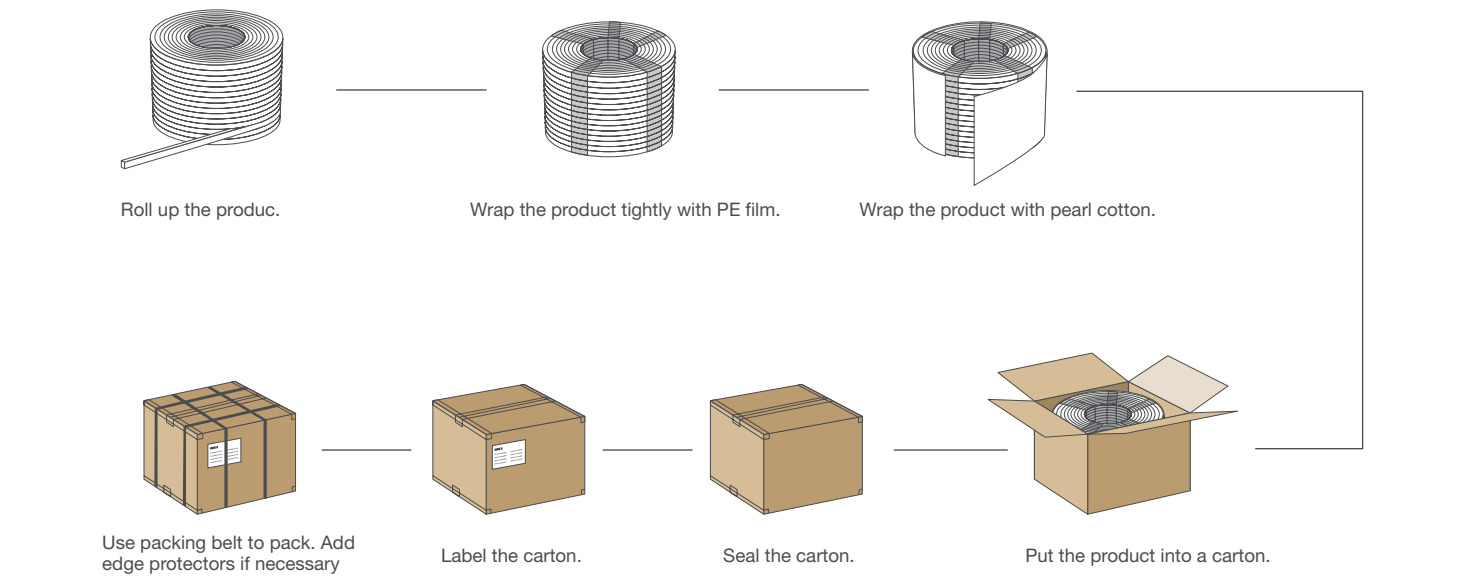
Strip Length L Tolerance Reference Table (mm)	
Strip Length (mm)	Strip Length Tolerance Reference Table (mm)
1000	1006±10
2000	2006±15
3000	3006±20
4000	4006±25
5000	5006±30

Note: Green wire optional (can be left unconnected).

END CAP - OUTLET DIRECTION



PACKAGING INFORMATION

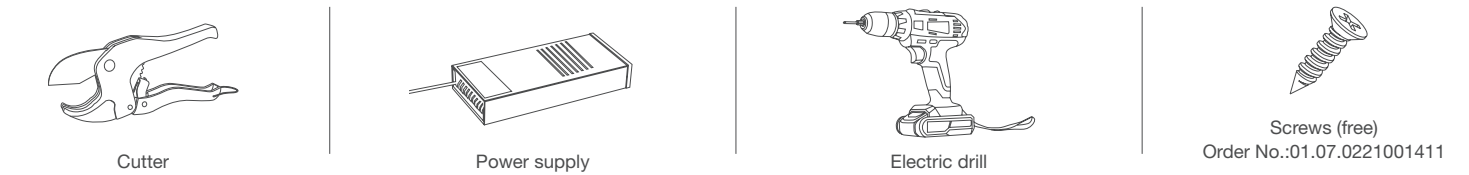


Model No.	Product Size L*W*H (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
MFO1611-5050-56-24-SPI	5000*16*11	505*505*150	5	8	12.52 (1±10%)	13.88 (1±10%)

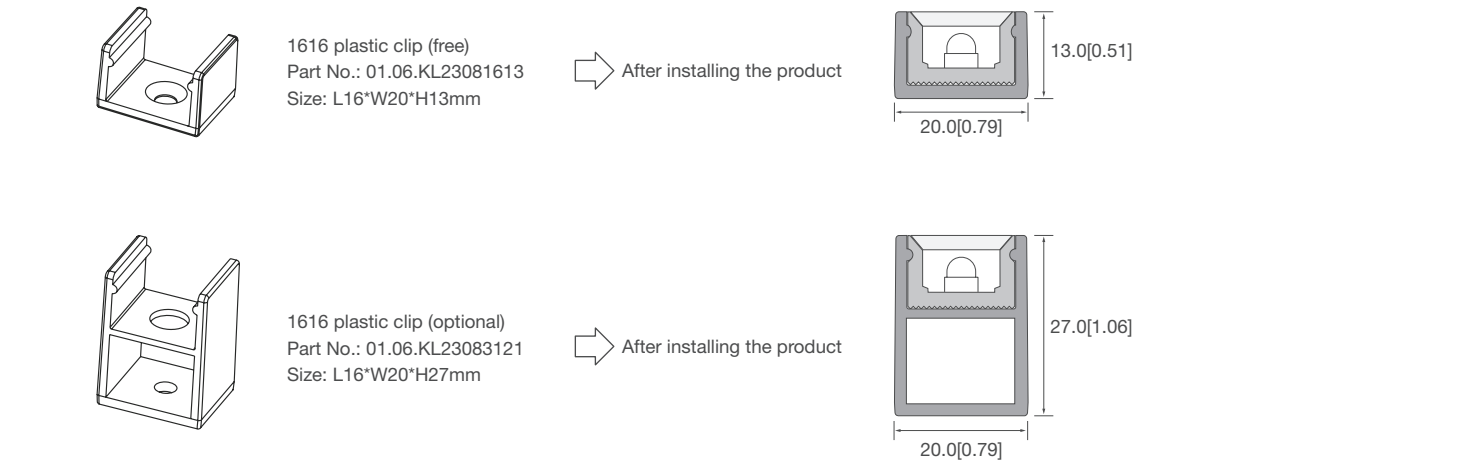
NOTE:

The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

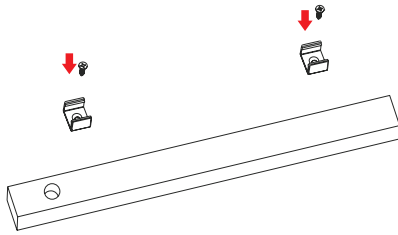
PRODUCTS AND TOOLS



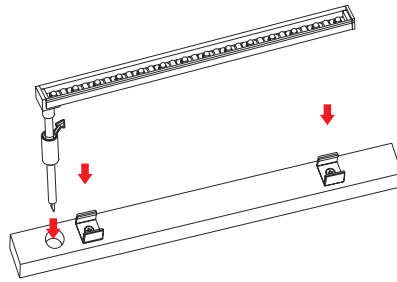
PRODUCT ACCESSORIES



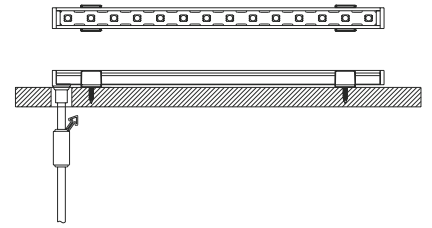
INSTALLATION METHODS AND STEPS



Fix the mounting clips

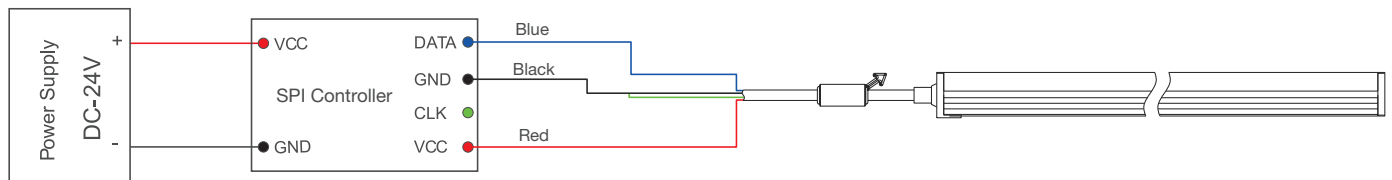


Press the light strip into the mounting clip



Finished

Controller Wiring Diagram



Wiring Method

- Blue wire: Connect to the controller DATA.
- Black wire: Connect to the controller GND or the power supply negative terminal.
- Green wire: Connect to the controller GND or the power supply negative terminal.
- Red wire: Connect to the controller VCC or the power supply positive terminal.

Notes:

- The case uses the MR502 controller;
- MR502 can drive up to 2048 pixels;
- Controller MR502 working voltage DC5~24V;
- For other information, see the MR502 Illusion Manual.
- MR502 recommends a load of less than 50m;
- This product features single-wire dual-channel communication, using an SPI return-to-zero code protocol, and is compatible with ICs such as LB1934, LB1934A, and SK6812.

ATTENTIONS BEFORE INSTALLATION

- Before installation, please check whether the parameters of the product are consistent with the requirements (Seeing the Product Specification or Label).
- The voltage, current, and power of the power supply and load used must be consistent with this product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Product wires must be correctly connected to the positive and negative terminals of the power output, otherwise the light will not turn on.
- The power cord should be tightly screwed into the terminal, with a recommended tightness that cannot be pulled out by hand.
- The connection terminals must be effectively waterproof and corrosion-resistant.
- **If the installation length exceeds the maximum run length, extra power feed is needed.**
- **Install in a well-ventilated area with good heat dissipation. Avoid enclosed or hard-to-install locations.**
- **Ensure proper waterproofing: tighten connectors, seal end caps and wiring points, and do not immerse in water.**
- **Avoid scratching or striking the product with sharp objects.**
- **This product is not suitable for use in environments with strong acids, strong alkalis, diesel, gasoline, or engine oil.**

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.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip 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.

Version	Content	Date
C1.0	Update: Luminous Intensity Distribution Diagram	2026-1-8

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