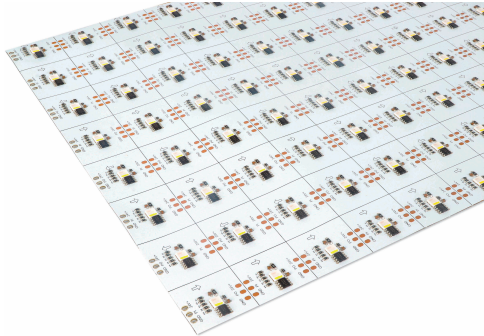


500x240mm flexible LED sheet



- 500x240mm flexible LED sheet, luminous efficacy 28lm/W, can be cut to size
- Uses 3M 300LSE SM butt connectors for easy installation
- Suitable for ceiling soft film, advertisement light boxes, cover film height 50mm with no light spots
- ERP color separation, single BIN shipment, high cost-performance ratio
- This product has passed CE, CB, RoHS, UL, ETL certifications

Technologies

- ON/OFF ,SPI

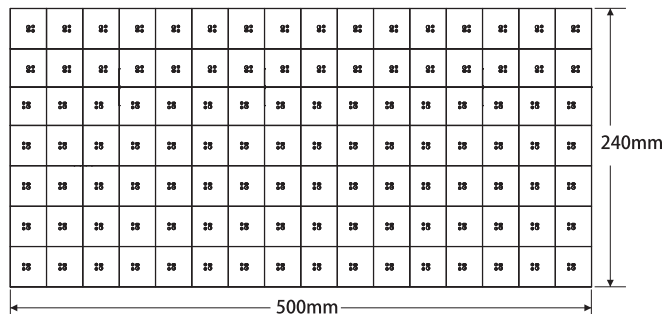
Application

- This product is suitable for home decoration: project engineering, buildings, hotels, shopping malls, indirect lighting, recessed lighting, decorative lighting, etc.

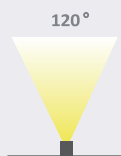
Color Options



Dimensions



Beam Angle



Product Specifications

P/N	LED	CCT	Size (mm)	CRI	LED (S/M)	LUMENS (lm/pcs)	Voltage V	Current (mA/pcs)	Power (W/pcs)	Cut length (mm)	Plate Spacing (mm)	Maximum Cascade Count(pcs)
RL-VM500x240F01128-RGBW-SPI	5050	R:620-630nm	500x240	80	128	1000	24	1.46	35	30	≤5	2
		G:520-530nm										
		B:465-475nm										
		2700-6500K										

Remark

- The maximum cascade count refers to the maximum number of cascades under the condition of single-ended power supply.

Other Specifications

Protection grade	IP20
Working temperature(°c)	-25~+40
Storage environment temperature (°c)	-25~+70
Standard length	2
Maximum cascade length(m)	2
weight	/

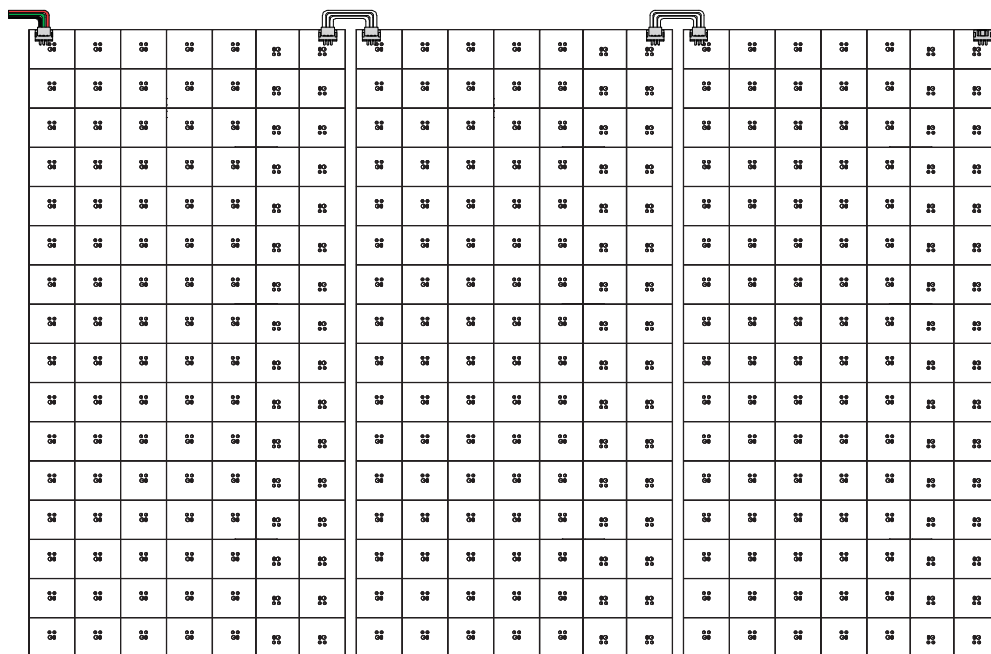
Remark

- The test environment temperature is 25±2°C;
- The above data are typical values, the actual parameters of the product may be different from the typical data; the data is subject to change without notice;

Applied Standards

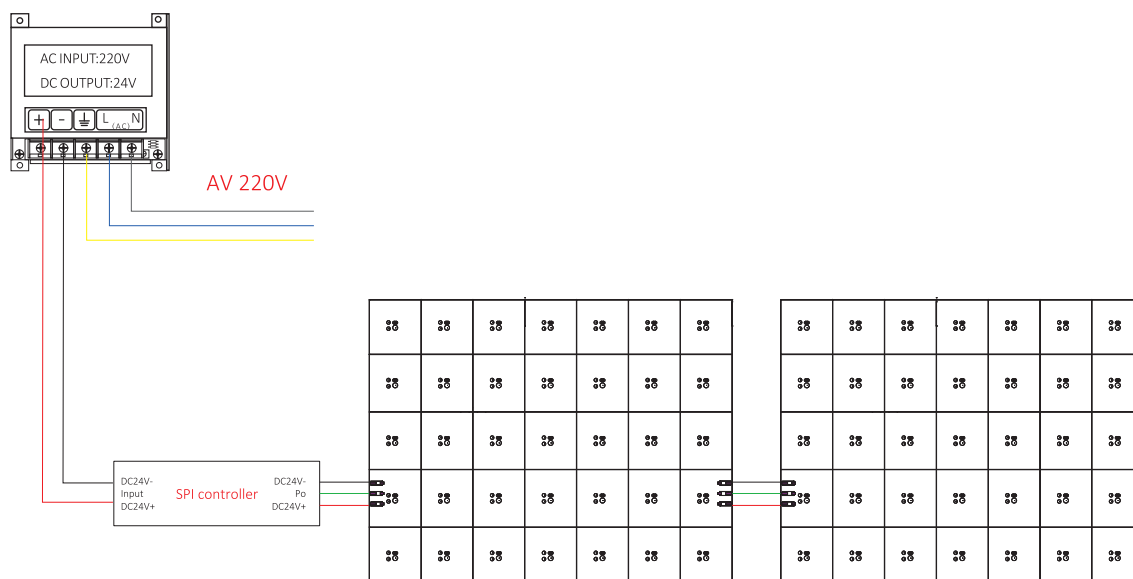


Installation

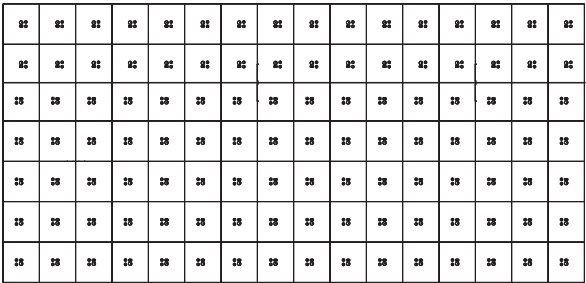


Schematic diagram of electrical connection

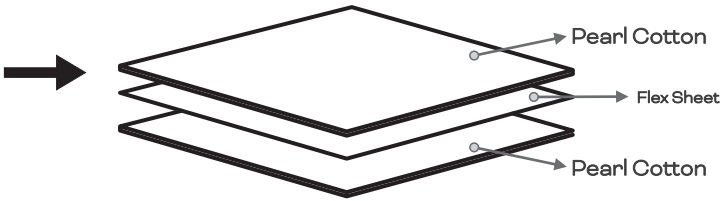
Monochrome temperature wiring diagram 1: Power + lamp belt connection mode



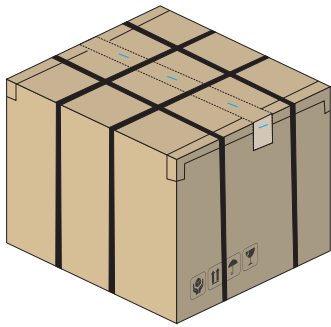
Package



Flex Sheet



Electrostatic bag



Packing completed

Type	Items	Per carton
RL-VM500x240F01128-RGBW-SPI	Sheet-Qty	40
	Weight-KG	20
	Dimension-mm	520*520*185mm

Note :The above-mentioned packaging quantity and weight are only for the packaging method shown in the figure. There will be differences in the number and weight of packaging for other packaging methods, and the actual product shall prevail.

Common product faults and their troubleshooting methods

Fault Phenomena	Possible Causes	Troubleshooting Methods
All lights off	1.Mains power failure	Power on
	2.Open circuit or short circuit at switching power supply output triggering auto-protection	Troubleshoot and restore power
	3.Reverse polarity at LED strip power input	Check wire connection status to ensure correct polarity
Partial lights off	1.Partial switching power supply failure	Inspect power supply system and resolve faults
	2.Wiring error in partial LED strip circuits	
	3.Reverse polarity in partial LED strips	Correct wiring
LED uneven brightness or insufficient brightness	1.Power supply overload	Replace with higher-power supply according to load
	2.Excessive line loss in switching power circuits or significant line loss discrepancies	Maintain LED strip operating voltage within $\pm 5\%$ of rated voltage 1.Shorten power cable length between power supply and LED strip or use larger gauge wires; 2.Ensure number of LED strips per circuit $\leq$ max allowed cascading quantity and keep cascading quantities similar per circuit).
	3.Excessive serial connection of LED strips	Adjust LED strip quantity per power branch to meet max allowed cascading requirements per circuit
LED flickering	1.Poor contact at connection points	Identify and resolve poor contact points
	2.Switching power supply malfunction	Replace switching power supply

Notice

- If the external flexible cable of this product is damaged, the cable must be replaced by the manufacturer or similarly qualified personnel to prevent hazards.
- For specific installation arrangements and precautions, refer to the product user manual.
- Data in this specification is based on standard products, Actual delivered products may vary, subject to physical measurements
- All product diagrams in this specification are schematic diagrams, Actual delivered products may differ, subject to physical objects
- Technical modifications may be implemented without prior notice.
- Shenzhen Meishang Lighting Co., Ltd. reserves the final interpretation rights of this manual.



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