

300x300mm flexible LED sheet



- 300x300mm flexible LED sheet, can be cut to size
- DC24V Constant Voltage Technology (CVT)
- Free cut, Easy installation with terminal connections boxes; provides no light spots with a 80mm cover film height
- ERP-classified, single bin delivery; offers high cost performance.
- This product is certified with CE, RoHS.
- IP20 water resistance rating

Technologies

- ON/OFF

Application

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

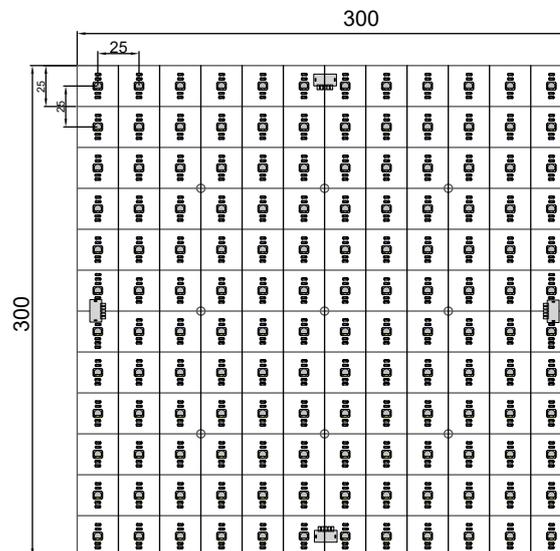
Color Options



Beam Angle



Dimensions



Product Specifications

P/N	LED	CCT	CRI	Size (mm)	LEDs/pcs	LUMENS (Lm/pcs)	Voltage V	Current (mA/pcs)	Power (W/pcs)	Cut length (mm)	Maximum Cascade Count(pcs)
RL-FV243001445050RGBW30 -RGBW-840	5050 RGBW	R:620-625nm	80/90	300x300	144	1850	24	1250	30	25x25	3
		G:525-530nm									
		B:465-470nm									
		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)	-20~+40
Storage environment temperature (°c)	-20~+70
Standard length	300x300mm
Maximum cascade length(m)	3
weight	/

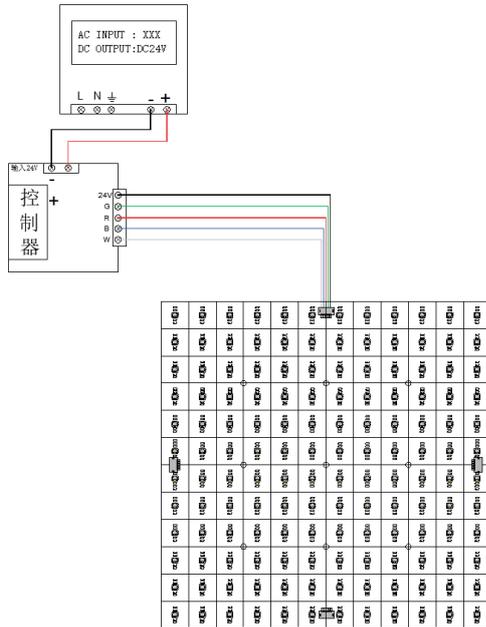
Remark

- 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;

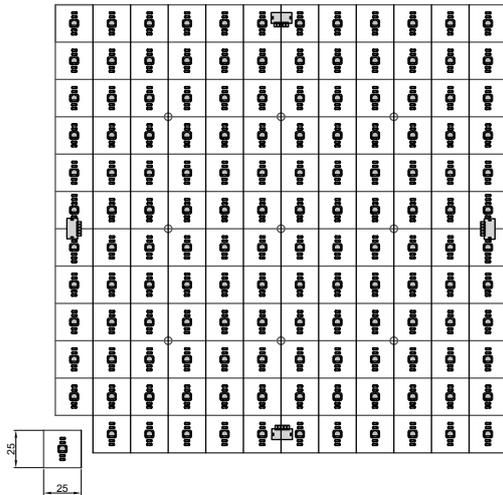
Applied Standards



Schematic diagram of electrical connection



Cutting method



Mounting on surface

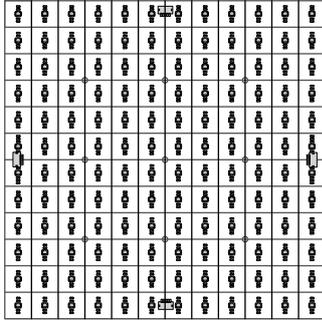
1 Schematic diagram of removing the back adhesive

The diagram shows a hand peeling the back adhesive off the LED grid. The grid is shown as a flat surface with a grid of LED chips. The adhesive is being removed from the back of the grid.

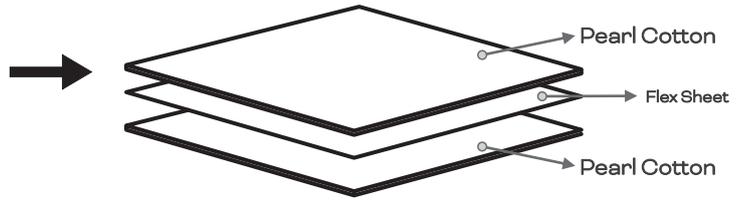
2 To be installed at the base of the light box. A minimum light box depth of 80mm is required.

The diagram shows the LED grid being installed at the base of a light box. Two arrows point down to the grid, which is shown resting on a surface. The light box is shown as a rectangular block with a depth of 80mm.

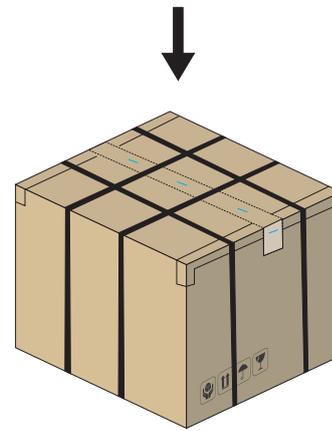
Package



Flex Sheet



Electrostatic bag



Packing completed

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.



Specialized
LED Strip Manufacturer

Shenzhen
Relight Technology Co.,Ltd

6th Floor, Building A, Guancheng Industrial Park, Gongming Town,
Guangming District, Shenzhen, China

Tel: 86 0755 33 69 1713
Web: www.relight-tech.com
E-mail: Sales@relight-tech.com