

1610 Shelf Light Specification



- DC24V Constant Voltage Technology (CVT)
- Flexible Printed Circuit Board
- Magnetic installation: Hidden magnet arrangement Superior magnetic force
- Quick-connect Dupont terminals, Track accessories optional
- Luminous efficacy: 110lm/W, Lamp length customizable Cascadable up to 5m
- Waterproof grade IP20
- 5 years warranty

Technologies

- ON/OFF

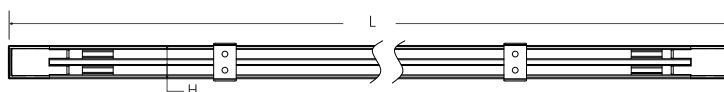
Application

- Designed for shelf and display case applications; Ideal for C-Stores, Grocery, and Big Box Retailers.

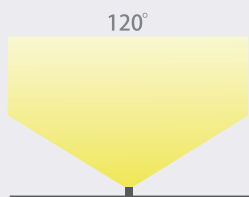
Color Options



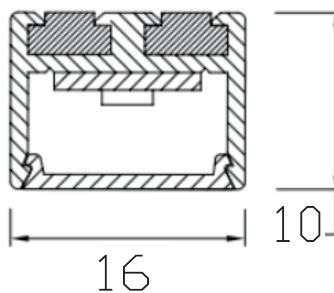
Dimensions



Beam Angle



Sectional drawing



Product Specifications

P/N	appearance	Size (mm)	Voltage DC(V)	Flux (lm)	Efficiency (lm/W)	Power (W)	Current (mA)	CCT (K)	CRI
RL-VL16x10A915-9xx	Sand-silver	915*16*10	24	680	85	8.6	358	2700	90
RL-VL16x10A600-9xx	Sand-silver	600*16*10	24	450.5	85	5.3	220	2700	90
RL-VL16x10A195-9xx	Sand-silver	195*16*10	24	153	85	1.8	75	2700	90

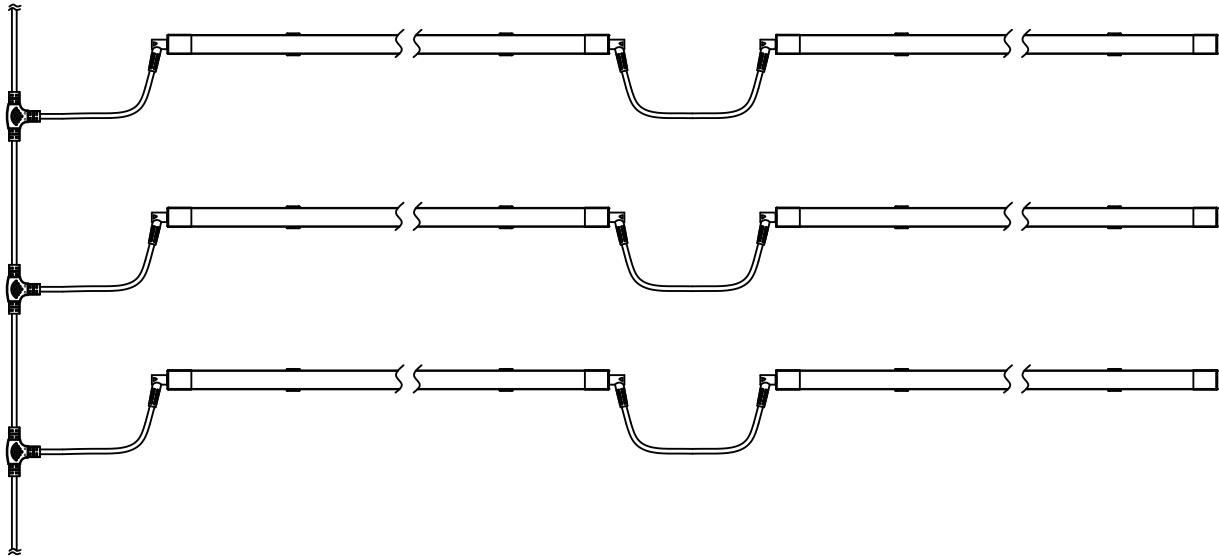
Remark

- 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;
- The above "/" means that this parameter is not required for the time being.

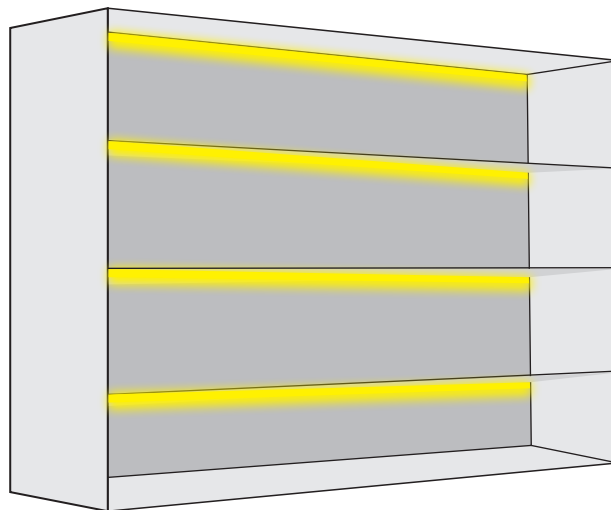
Applied Standards



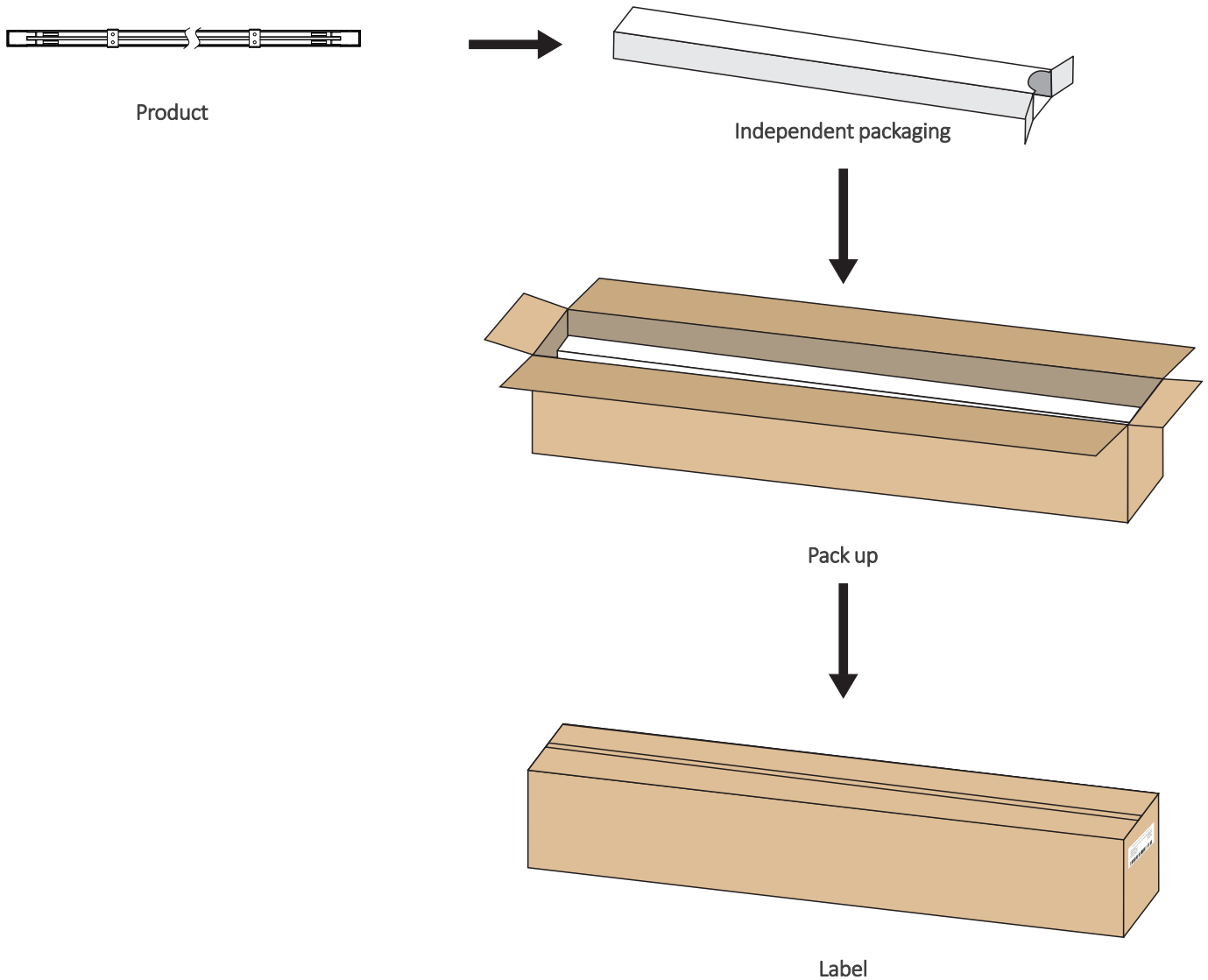
Schematic diagram of electrical connection



Quick coupling connection scheme



Package



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 3369 1713
Web: www.relight-tech.com
E-mail: Sales@relight-tech.com