

Freezer Light Specification



- DC24V Constant Voltage Technology (CVT)
- Aluminum substrate circuit
- 2835 LED, high lighting efficiency, low heat, without Mercury, environmental-friendly
- Ingress Protection IP65
- Clip-on Mounting
- 170 lm/W Efficacy, Custom Length

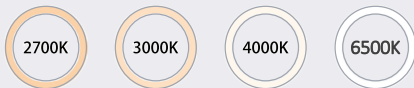
Technologies

- ON/OFF

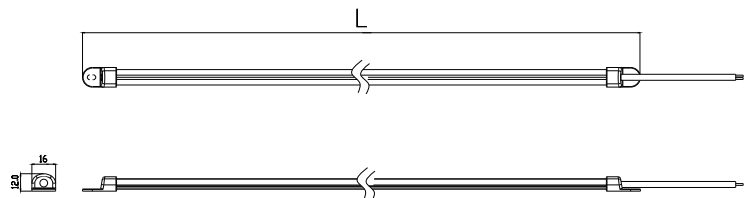
General Application

- Designed for normal and low temperature refrigeration walk-ins and display case applications. Deal for C-Stores, Grocery, and Big Box Retailers.

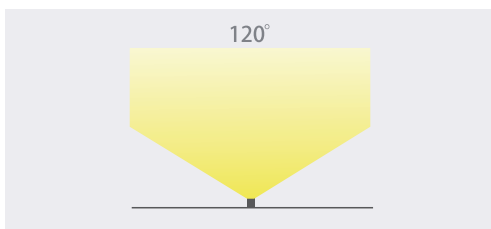
Color Options



Dimension



Beam Angle



Product specifications

P/N	appearance	Size (mm)	Voltage DC(V)	Flux (lm)	Efficiency (lm/w)	Power (W)	Current (mA)	CCT (K)	CONNECTION CABLES
RL-VL13x09A300-8xx	PC	300x13x9mm	24	220	170	1.3	54	2700-6500K	cable
RL-VL13x09A400-8xx	PC	400x13x9mm	24	280	170	1.7	70	2700-6500K	cable
RL-VL13x09A900-8xx	PC	900x13x9mm	24	660	170	3.9	162	2700-6500K	cable
RL-VL13x09A1000-8xx	PC	1000x13x9mm	24	730	170	4.3	180	2700-6500K	cable
RL-VL13x09A1750-8xx	PC	1750x13x9mm	24	1225	170	7.2	300	2700-6500K	cable

Remark

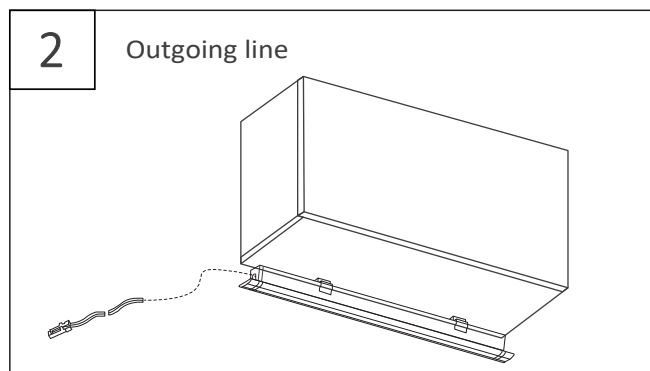
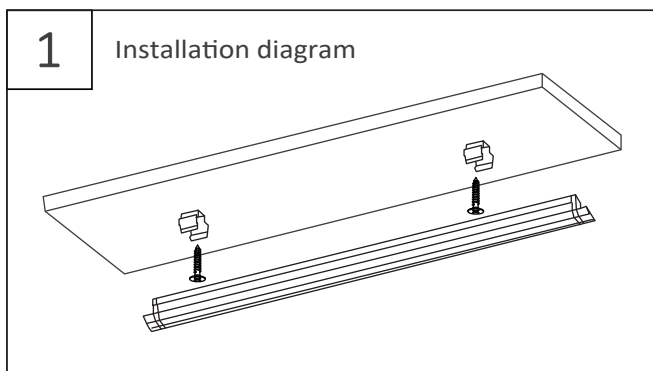
- The test environment temperature is $25\pm 2^{\circ}\text{C}$;
- The above data are typical values, the actual parameters of the product may be different from the typical data; the data is subject to change without notice;

Applied Standards

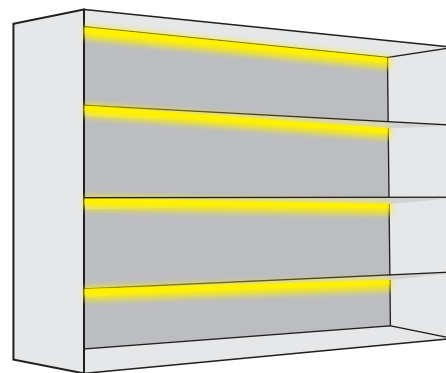
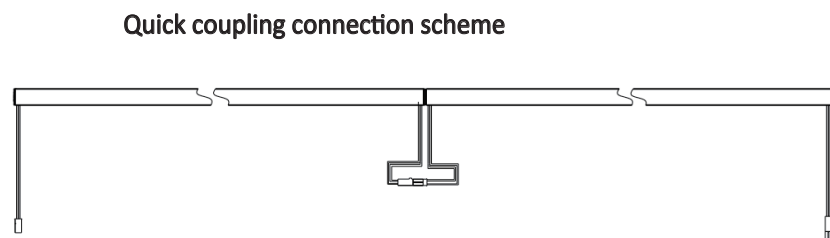


Installation

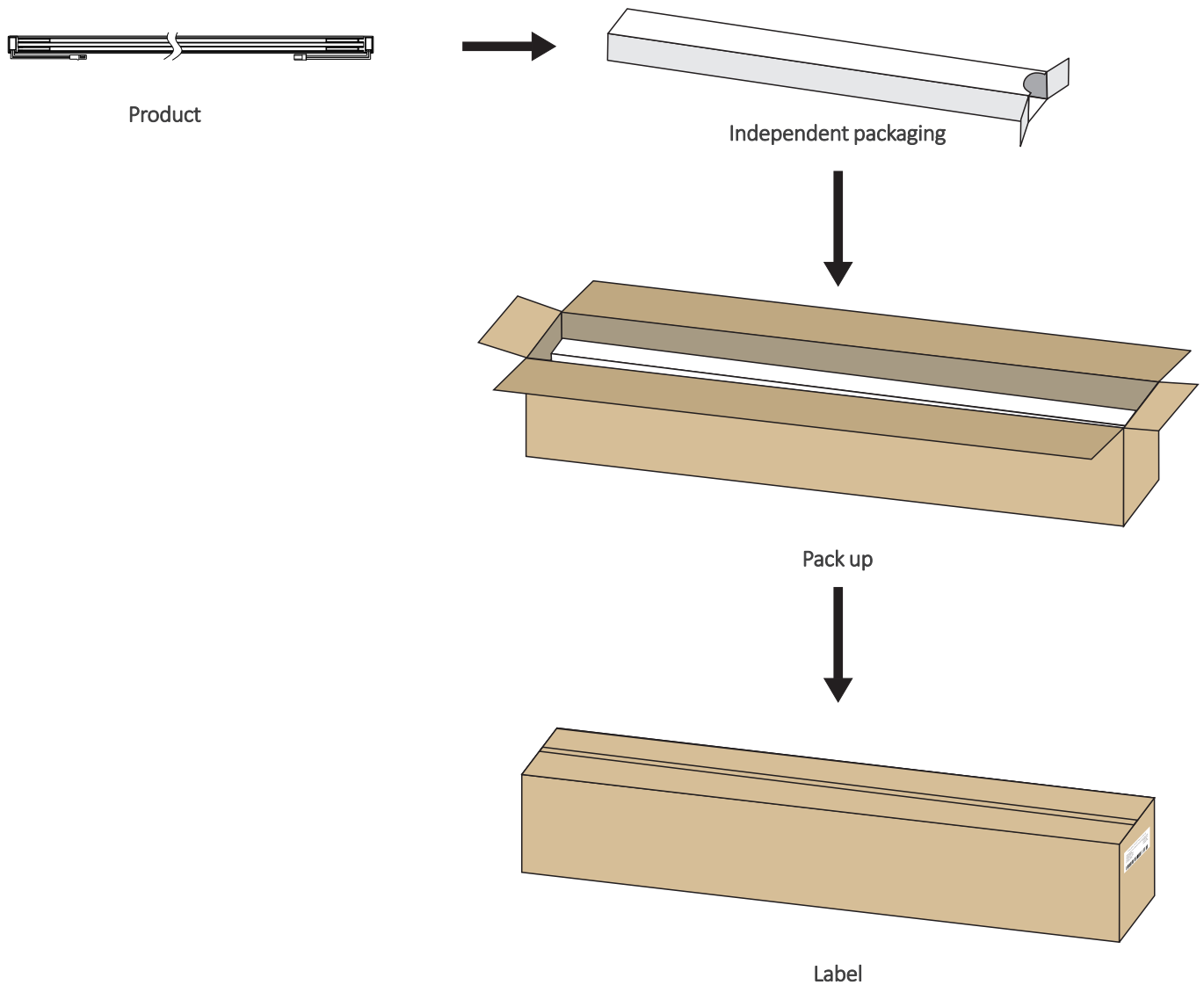
Note :Due to the different types and attributes of neon lights, please refer to the, line marks for the bending radius



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