CC AC230V LED Strip Light
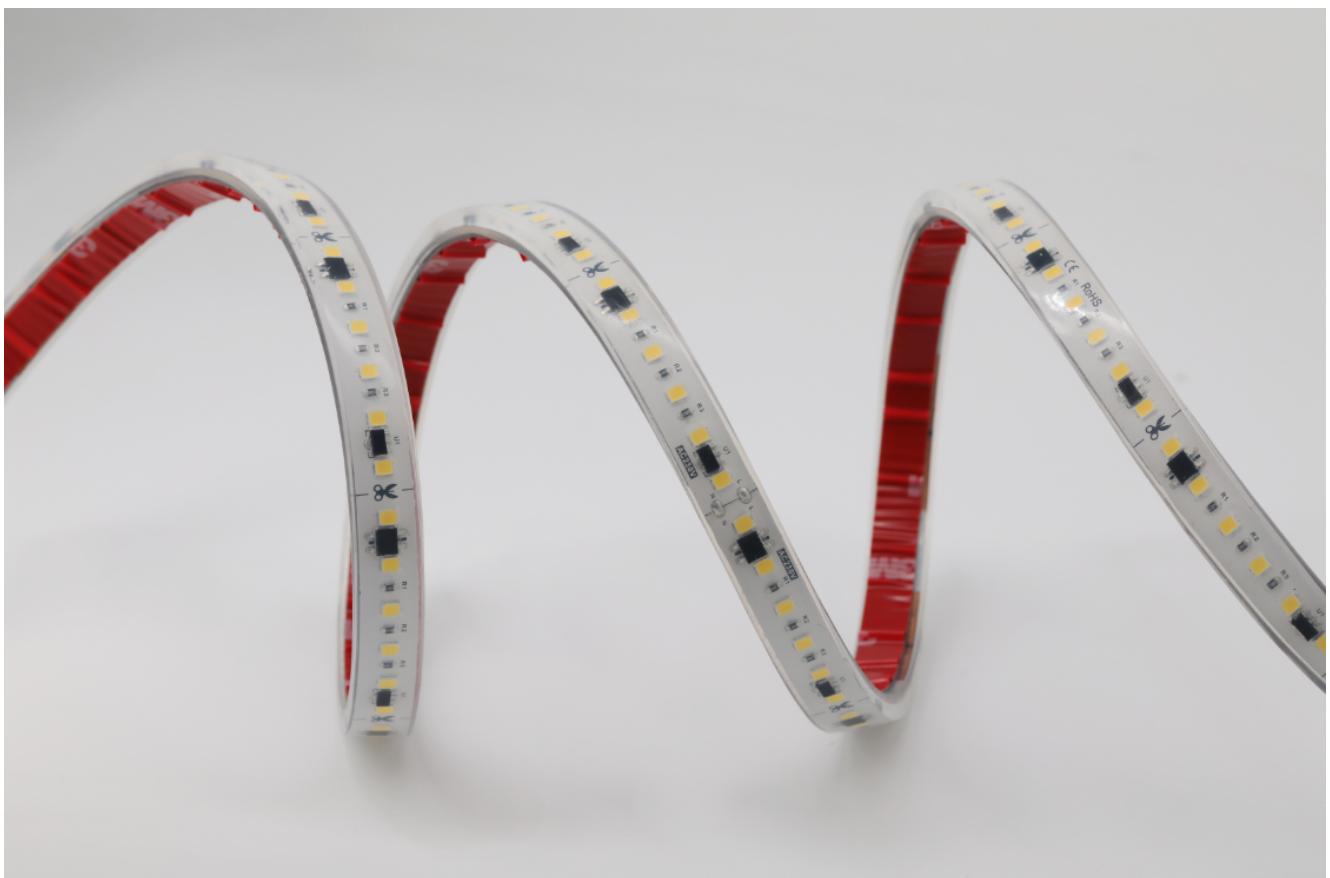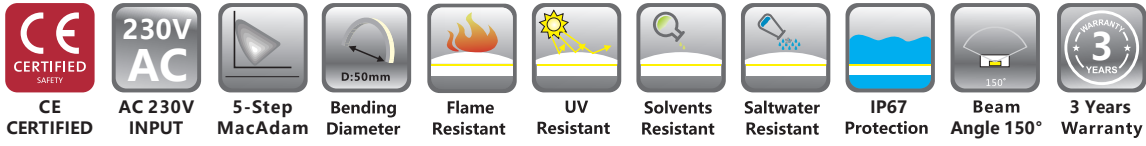
Constant Current / Driverless / Overvoltage Protection
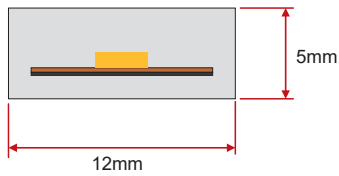
SL-728W112S
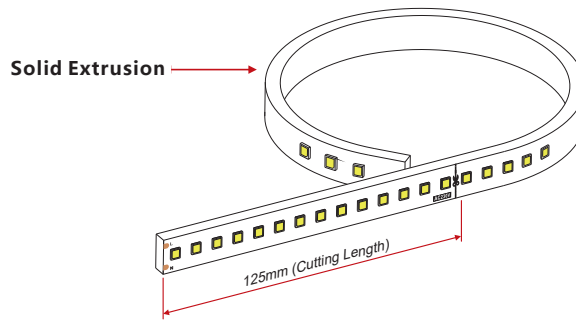

ISO TS16949   ETL Intertek   RoHS   CE

CE CERTIFIED	AC 230V INPUT	5-Step MacAdam	Bending Diameter	Flame Resistant	UV Resistant	Solvents Resistant	Saltwater Resistant	IP67 Protection	Beam Angle 150°	3 Years Warranty

1. Specification & Parameters:

1.1 External Dimension

5mm

12mm

Silicon Solid Extrusion

Solid Extrusion

125mm (Cutting Length)

1.2 Mechanical Dimensions

Diode Rectifier

Sleeve Width: 12mm

Constant Current Driver Chip

14mm

15mm

Cut Length: 125mm Min

Cable Length Choice
(min. 10cm ~ Max. 5m)

Light Length Choice (min. 125mm ~ Max. 50m)
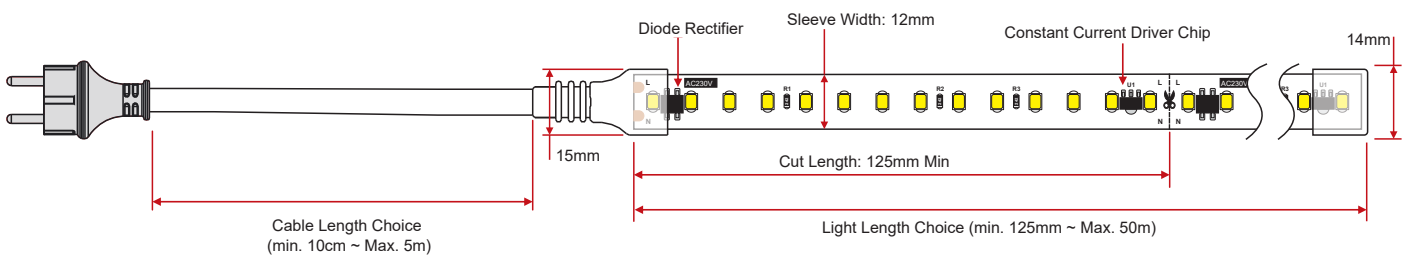
Notice:

Input Voltage Range: AC220V ~ AC240V

Size of each section is 125mm, and cutting at "black line" place.

The dimension tolerance of height is ±0.3mm, and tolerance of width is ±0.3mm.

1.3 Technical Parameters

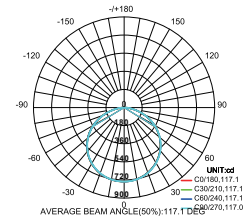| Technical Data	
Product Code	SL728W112S
Colour	WW, NW, CW
Working Voltage	AC220-AC240V, 50Hz
LED Qty/m	112LEDs /m
LED Type	SMD 2835
CRI	CRI>80
Rated Power/m	15W/m
Light Efficiency ±10%	115Lm/w
LED Distance	8.93mm
Min. Cutting LED	14LEDs
Min. Cutting Length	125mm
Weight/m	120g
Storage Temperature	-25~60℃ (-13~140°F)
Environmental Working Temperature	-20~45℃ (-4~113°F)
IP Rating	IP67 (uncut) void if cut

1.4 Optical Parameters

Luminous Intensity Distribution

Optical Data					
Product Code	SL728W112S		Lumen/m		
			Rated CRI	**CRI80**	**CRI90**
Color	**Wavelength**	**CCT**			
Ultra WW	/	2000K±100K		/	/
Super WW	/	2500K±100K		/	/
Warm White	/	2725K±100K		1536 lm/m	/
Warm White	/	3045K±150K		1584 lm/m	/
Natural White	/	4000K±150K		1656 lm/m	/
Day White	/	5000K±200K		1656 lm/m	/
Cool White	/	6500K±250K		1656 lm/m	/
RED	620-630nm	/		/	/
GREEN	520-530nm	/		/	/
BLUE	465-475nm	/		/	/
AMBER	585-595nm	/		/	/

AVERAGE BEAM ANGLE(50%):117.1 DEG

illumination diagram
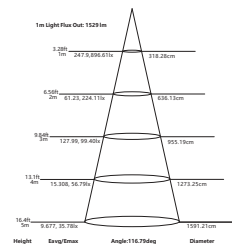
> **Notes:**
- Before making any cuts, installation, maintenance or connection, and be sure the light is power-off!
- **IP65 Indoor Use:** Pls cut the light and assemble all connectors according to the instruction manual;
- Don't install and light up and use the light under water, Only IP65 indoor application places can be used for this light;
- Indoor Application Scope: Cove of Theater / hotel loby etc., and Suitable for damp environments(e.g. Toilet, Balcony Cove etc.);

2. DimmingWiring Diagrams:
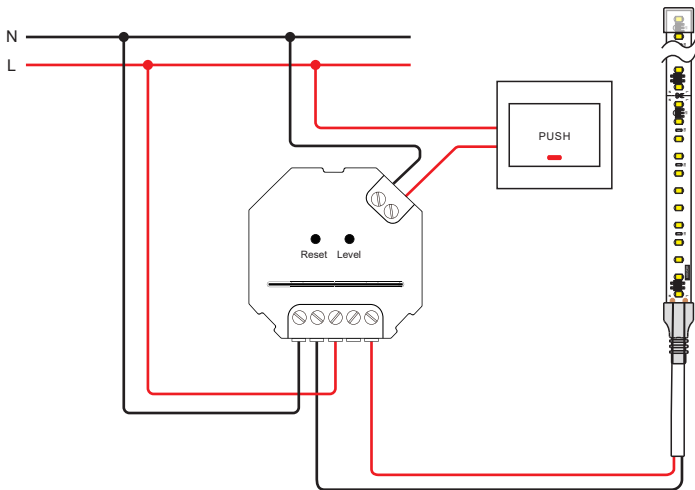
2.1. FUNCTION OF THE DEVICE:
Function of "RESET" key

① MIN Brightness Setting
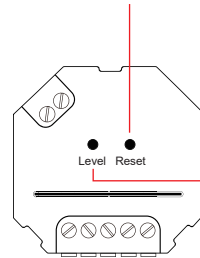Long press "Reset" key to set the "MIN brightness".
Once done,the brightness of the light can only be adjust between the"MIN brightness" and 100% brightness.
*Note:
The dimming range of the dimmer is 1%-100%(brightness), but some lights may flicker while dim to 1%, thus the "MIN Brightness Setting"is needed.

② RESET
Short press for 5times to RESET the device.

Function of "LEVEL" key

① ON/OFF
Short press the "Level" key to turn on/off the device.

② DIMMER
Long press for adjusting the brightness of light.

2.2. NETWORK PARING:

1. Pairing with Zigbee Hub

Add the device to a zigbee network via coordinator or hub
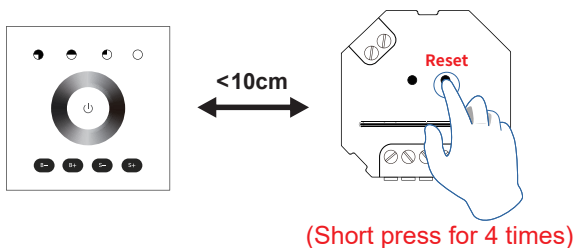
① Please ensure the device wasn't be paired.
Otherwise, please "RESET" the device according to the part VII "RESET".

② After STEP 1, there will be a pairing process about 90s.
Once times out, you need to repeat the ①.

(Flash 4 times)

③ Open the zigbee App (hue or Amazon Alexa), add the device.

④ The device *show itself on App and the light (connected to the device) will *blink 4 times.

2. TouchLink to a Zigbee Remote Control / Touch Panel

① Please make sure the distance between the device and remote control/ touch panel less than 10cm;

<10cm

Reset

(Short press for 4 times)

② Method 1: Short press "Reset" button for 4 times to start "Touchlink Commissioning".

The device will **flash 3 times** to indicate successful enter the touch link pairing mode.
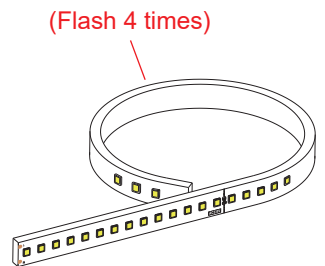

(Flash 3 times)

Method 2: Re-power on the device.

a. If the device is not added to the zigbee network, "Touchlink Commissioning" will start after 15s, 165s timeout.

b. If the device is already added to the zigbee network, it will start "Touchlink Commissioning" immediately, 180s time out.
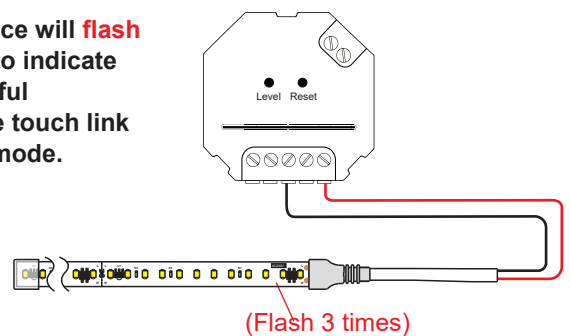**Please repeat the operation once timeout.**

3. Wiring Diagrams:

3.1 Hardwire Connection

Light

N

L

AC Mains
200-240VAC

Junction Box

3.2 Plug-in Connection

Light

AC Mains
200-240VAC
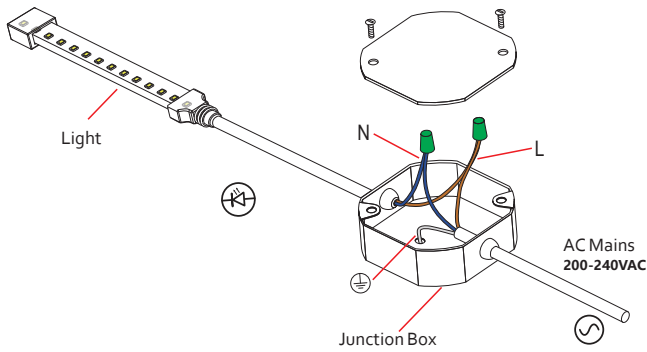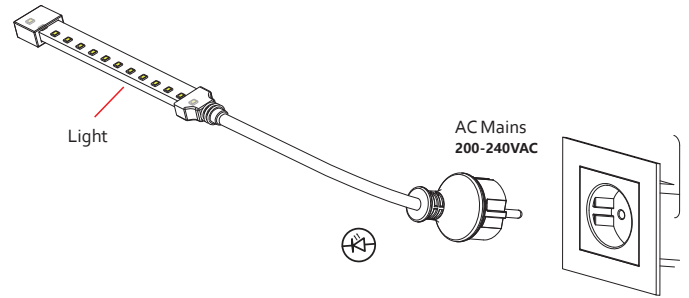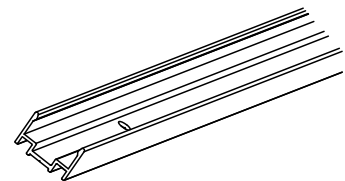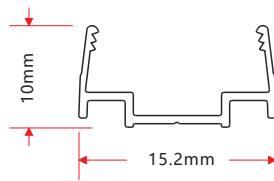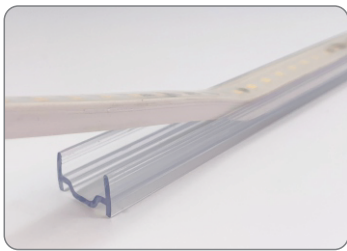
- The light can be used in conjunction with a AC200V~AC240V input, Ensure that the power cable carried current is no greater than 80% of its capacity, and The light not exceed the maximum length 50m.

4. Installation & Profile

10mm

15.2mm

| Code	W*H(ft)	Profile Length(mm)	Hole Size (mm)	Hole Number (pcs)
SL-PJ-01521	15.2mm * 10mm	1000mm	Φ3.5mm	3
		1500mm	Φ3.5mm	4
		2000mm	Φ3.5mm	6

Notes:

1. The raw material are Aluminum and plastic PC both availble, and Any customized Length available too, such as 0.5m or 1m or 2m length maximum;

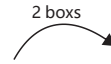2. Each 0.3m length with 1 hole and 1 screw, and installation referece to the user manual;

ISO
TS16949

c ETL us
Intertek

RoHS

CE

5. Packaging
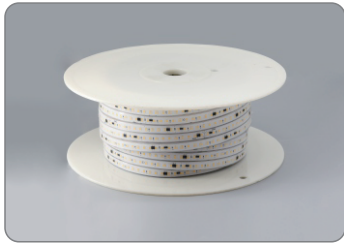
50m/roll

1roll
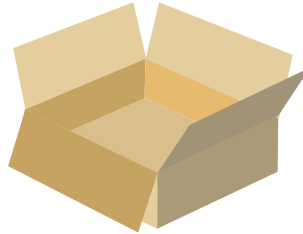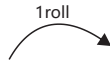
Inner Box 31.5*31.5*18cm, 6.8KG

2 boxs

Master Carton
33*33*38.5cm, 14.2KG

6. Certificate & Reliability

CE & ROHS & Reliability	Item	STANDARD AND DESCRIPTION	Report No.
	CE Certificate & EMC Report	EN 55015 / EN 61000 / EN 61547	MN20N31G 001
	LVD Certificate & LVD Report	EN 60598 / EN 62471 / EN 62493	MN201YPF 001
	Surge Test	IEC 61000-4-5:2005	MN20N31G 001
	Harmonics Test	EN IEC 61000-3-2:2019	MN20N31G 001
	Temperature measurements, (°C)	IEC 60598-2-21	MN201YPF 001
	Light source safety standard	EN IEC 62031, IEC TR 62778	MN201YPF 001
	ROHS Test	(EU) 2015/863	168303892a 001

>> Note: The testing reports and certificates are available from the related official website.