

## RIBBON WHITE



### FEATURES:

Equipped with high-lumen SMD LEDs, our strip light provides brilliant illumination while consuming minimal power, making it an eco-friendly choice. Illuminate your space with our IP20 SMD LED Strip Light, designed for versatility and performance. Perfect for both residential and commercial applications, this LED strip light delivers high-quality lighting with energy efficiency and longevity. 100,000 Switching cycles.  
Control mode : ON/OFF, DALI, Phase Cut, 0/1-10V.

### TECHNICAL DETAILS

Power : 4.4 - 14.4W/M  
Voltage : DC24V  
CRI > 90  
Led Qty : 120LEDs/M  
Cutting length: 50mm  
Length/Reel : 5M  
Strip Width : 8mm  
Working Temperature : -20~45°C  
Storage Temperature : -30~80°C  
Voltage Range : 23 ~25V dc  
Reverse Voltage : 25V dc  
Warranty : 5 years

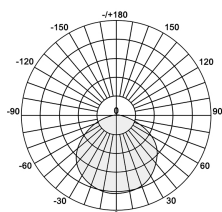
### FIELDS OF APPLICATION

Retail  
Desk Light  
Living spaces  
Galleries hotels  
Reception areas  
Stairway Lighting  
Home/Office Light  
Commercial Interior

### PRODUCT CHART

Product Code	Rg	Max. Power (W/M)	CCT	Luminous Flux
950020420	96	4.4	1800K	506
			2200K	526
			2700K	556
			3000K	566
			4000K	576
			6000K	596
950020920	96	9.6	1800K	1112
			2200K	1122
			2700K	1132
			3000K	1142
			4000K	1152
			6000K	1162
950021420	96	14.4	1800K	1688
			2200K	1698
			2700K	1708
			3000K	1718
			4000K	1728
			6000K	1738

### Photometric

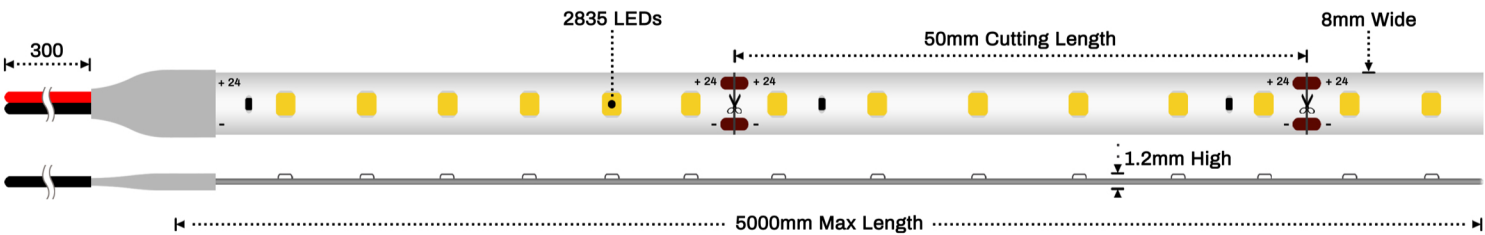


### Standards

EN 60598-1  
EN 60598-2-2  
EN 60598-2-22  
EN 60598-3-2

Pluxb luminaires are developed with globally recognized and tested components suppliers, however as per international standards tolerance in initial flux and connected load is at  $\pm 5\%$ . Unless stated otherwise, the values apply to an ambient temperature of 25°C

DIMENSION



PCB Width : 8mm  
Strip Width : 8mm  
Strip Height : 1.2mm

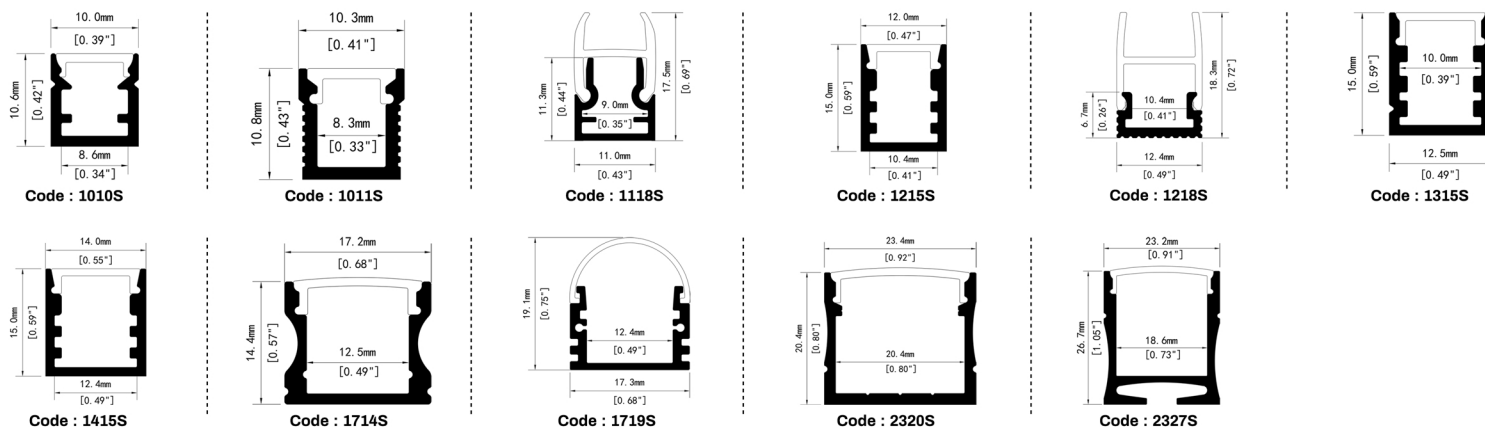
Order Code : 950020420	18
	CCT
	18-1800K
	22-2200K
Product Code	27-2700K
	30-3000K
	40-4000K
	60-6000K

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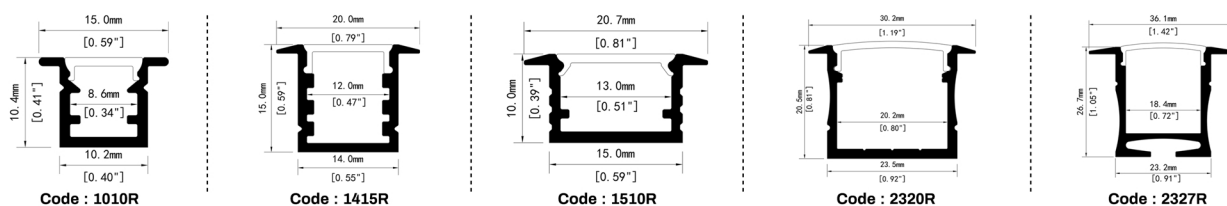
## ALUMINUM PROFILE LIST

Housing : Extruded aluminium profile with opal PC diffuser and SS clips

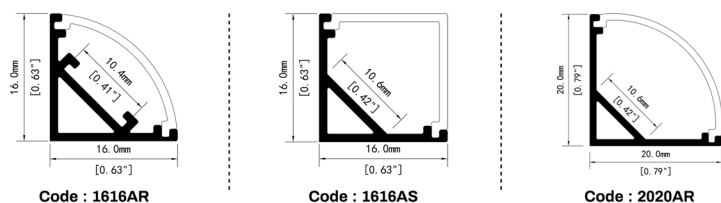
### Surface Mounted Profile :



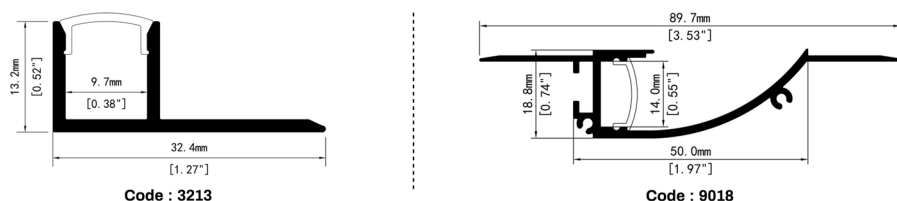
### Recessed Mounted Profile :



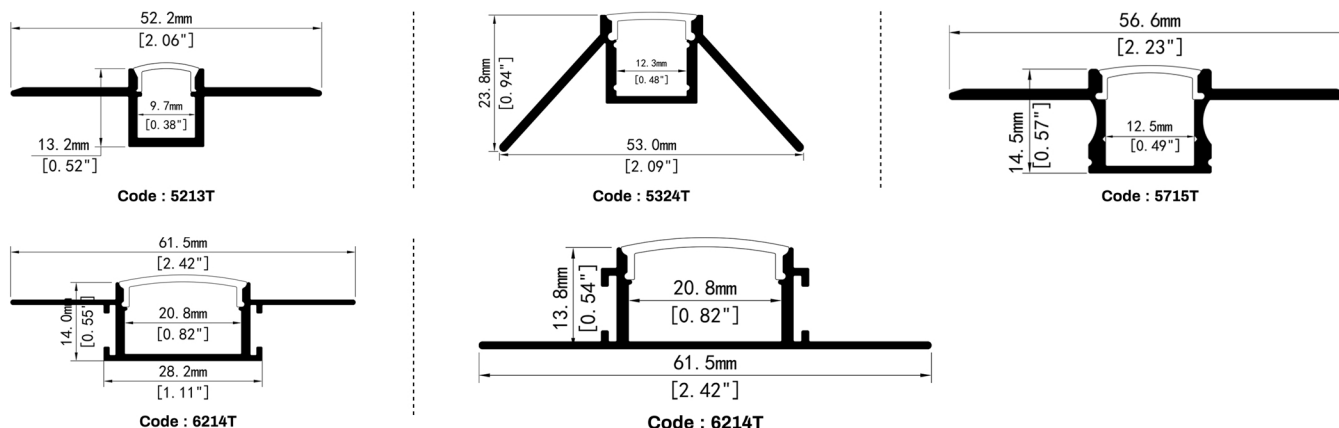
### Angular Mounted Profile :



### Staircase Profile :



### Trimless Profile :







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## SMD Led strip 8mm Mono / White color

### Connector :




► **Hippo-M MINI ( IP20 )**: No soldering needed, operation can be done by normal clamp.  
(Sold Separately)

Product Code	Type	Image
SRIB08-2P-SS	Strip to Strip Joint	
SRIB08-2P-SP22G150	Strip to Power	
SRIB08-2P-SB22G150	Strip to Strip Bridge	
SRIB08-2P-T1/L1	Strip to Strip Joint T and L	

► **Beetle Clip Invisible ( IP20 )**: No soldering needed, operation can be done by normal clamp.  
(Sold Separately)

Product Code	Type	Image
SRIB08-2P-L2	L Shape	
SRIB08-2P-SS2	Strip to Strip Joint	
SRIB08-2P-SP20G150	Strip to Power	
SRIB08-2P-SB20G150	Strip to Strip Bridge	
SRIB08-2P-SDC20G150	strip to DC	
SRIB08-2P-SMA20G150	strip to Mini AMP	



► **Hippo-M Solid ( IP67 )**: No soldering needed, operation can be done by normal clamp.  
(Sold Separately)

Product Code	Type	Image
SMAR08-2P-SS	Strip to Strip Joint	
SMAR08-2P-SB20G-80 /200 /500 /1000	Strip to Strip Bridge	
SMAR08-2P-SP20G-200 /500 / 1000	Strip to Power	


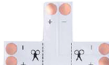
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- **Hippo-M Hollow ( IP65 )** : Waterproof strip light connector with injection hole for glue sealing.  
(Sold Separately)

Product Code	Type	Image
SFIL08-2P-SS	Strip to Strip Joint	
SFIL08-2P-SW	Strip to Wire	

- **FPC Corner Series** : Make connection at corners.  
(Sold Separately)



Product Code	Type	Pin Quantity	Image
SFPC08-2P	" L " Type	2 pins	
SFPC08-2P	" T " Type	2 pins	

- **Pluggable Wire Joints** : No soldering needed, operation can be done by normal clamp.  
(Sold Separately)


Product Code	Types	Workable Plugs	Image
PDB-12	1 split 2 way	PWJ-I-2	
PDB-13	1 split 3 way	PWJ-I-2	
PDB-14	1 split 4 way	PWJ-I-2	

## Devices :

- **Dimmable Touch Switch Module** : Sensor  
(Sold Separately)

Product Code	Description	Image
TSM08-K1	Module with tape only 1PC/Pack in a Single Foam Holder1 Kit / box	
TSM08-20G150-K3	1 PC Module with 150mm input wire soldered 1 PC 8mm board to board connector 1 PC back tape 1 Kit / box	

- **Smart LED Controller (Bluetooth Module)** : Easily work with our 2~6 pins LED strip connector, remote control via internet.  
(Sold Separately)

Product Code	Light Color	Out Channel	Image
BM-MONO-2P	MONO	2 Pins	

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## **Strip Light Assembly and Safety Information :**

Installation must be carried out under observation of the relevant regulations and standards. The LED modules are designed for operation within a casing or luminaire. Installation must be carried out in a voltage-free state (i.e. disconnection from the mains).

The following advice must be observed; non-observance can result in the destruction of the LED assembly modules, fire and/or other hazards.

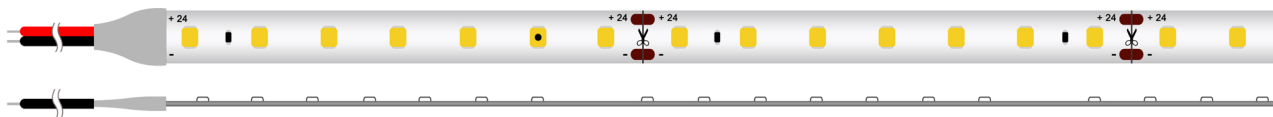
- The LEDLine Flex SMD must be operated with a constant-voltage (CV) LED converter.
- Operation only with power supply units that feature the following protection:
  - Short-circuit protection
  - Overload protection
  - Overheating protection
  - SELV (Safety Extra Low Voltage)
- It is imperative to pay attention to the correct polarity when connecting to the LED driver. Wrong polarity may destroy the strip.
- The maximum output of the power supply must be observed.
- Exceeding the max. operating voltage leads to an overload on the LED module. This may result in a reduction of service life or even destroy the LED module.
- The maximum recommended length of a single unit to be driven in series is 5 meters (one complete reel) to ensure consistent output along the complete length. It is possible to increase the total length driven from a single driver by adding additional lengths connected in parallel.
- LED modules and all PCB components must not be subjected to any undue mechanical stress.
- The LEDLine Flex modules must not be operated in rolled-up conditions.
- The circuit path must not be damaged or interrupted.
- During installation the bending radius must not fall below 60 mm. On sharp edges the LEDLine Flex SMD IP67 may only be bent at a position where no electronic components or solder parts are mounted. The module can be damaged if it is bent in a crosswise or twisted direction (prevent shear or pull-off forces).
- LEDLine Flex modules are suitable only for mounting on rigid and solid surfaces. The module must not be mounted on flexible substrates as the LED module would be damaged when the substrate bends.
- LEDLine Flex IP67 modules must be installed, handled and bent at a module temperature of between 10 °C to 50 °C.
- Do not use the IP67 LEDLine Flex module in the following environments:
  - Locations containing corrosive inflammable or oxidizing gases such as Cl, H<sub>2</sub>S, NH<sub>3</sub>, SO<sub>2</sub>, NO<sub>x</sub>, sulfur, etc.
  - Direct exposure to salt water or organic solvents
  - Exposure to direct sunlight
  - Highly airtight locations
  - Locations subjected to the effects of electric or magnetic fields, intense (continuous) vibration or shock.

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## Some Important Highlight points :

- ▶ IP20 : Do not press the surface of LED, Pay attention to damp -proof and dustproof.
- ▶ IP65 : Do not use in strong water waves environment, Can be applied to rainy environment.
- ▶ IP67 : Resist strong water waves impact, Do not apply to underwater environment for a long time.
- ▶ IP68 : Can apply to underwater do not deeper than 1m, No direct sunlight.
  
- Do not tie a knot.
- Do not winding.
- Do not twist.
- Do not cut when it is working,
- Recommended the continuous working time do not exceed 12 hours daily.
- Operating temperature : 20°C~+50°C
- Storage temperature : 0°C~+60°C
- Operated by professionals.
- Pay attention to the application environment.
- IP Level will change after cutting.
- Do not pull and crash.
- Power supply must be connected to ground (GND)
- The minimum bending diameter 60mm
- Power supply retain > 20%
- Note the positive and negative poles.
  
- ▶ For cutting LED strip operation, it is necessary to use the standard accessories e.g. DC wire, end-cap, front-cap, adhesive, etc.), and according to the correct cutting and connecting method for the installation.

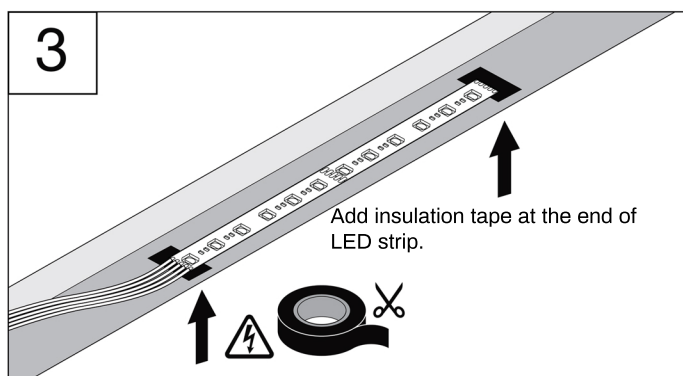
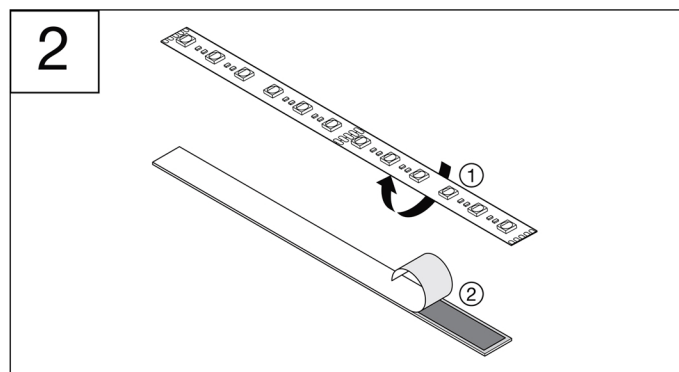
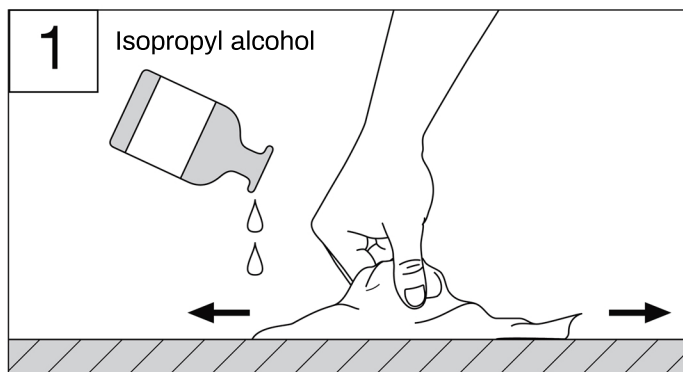
# Installation Manual For strip light



## Safety Information

- Wear anti-static wristbands with earthing terminal or anti-static gloves to handle the products.
- The LED module itself and all its components may not be mechanically stressed.
- Care should be taken to avoid damage to the conducting paths on the circuit board of the LED strip during assembly.
- Do not connect or disconnect the LED strip when the circuit is powered.
- Do not connect the LED strip to the power supply while it is in the packing.
- Please read the installation guide carefully for detailed installation planning.

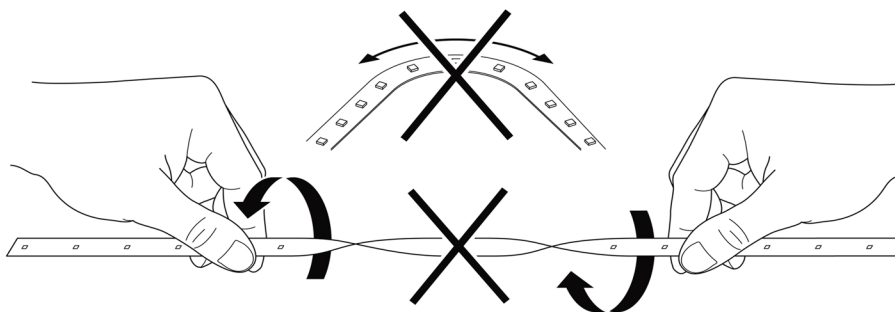
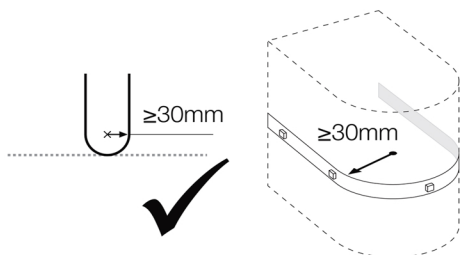
## Mounting on surface



## Do's and Don'ts

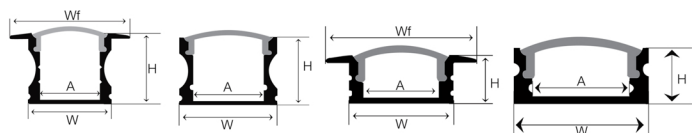
Minimum Bending Radius

Do not twist

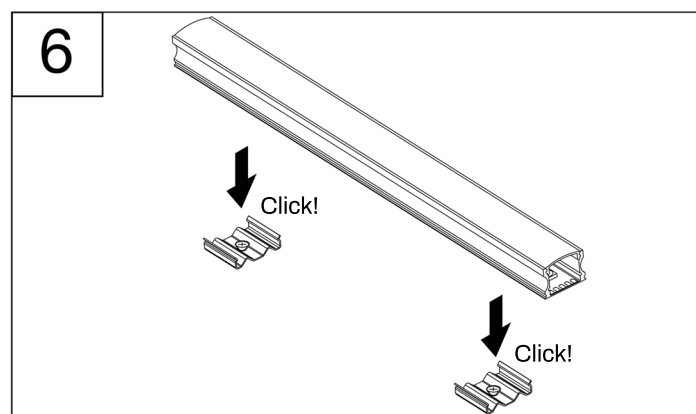
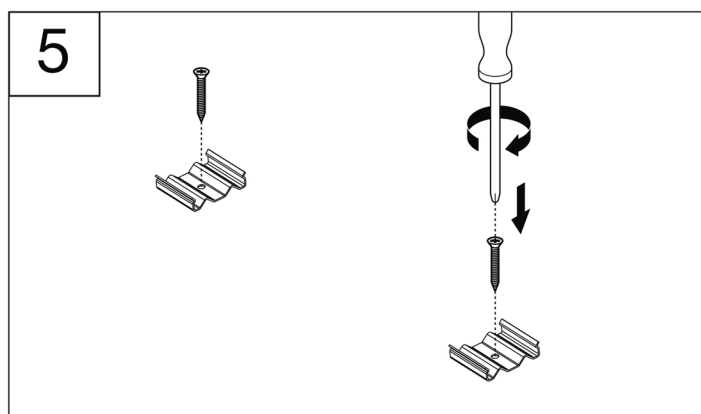
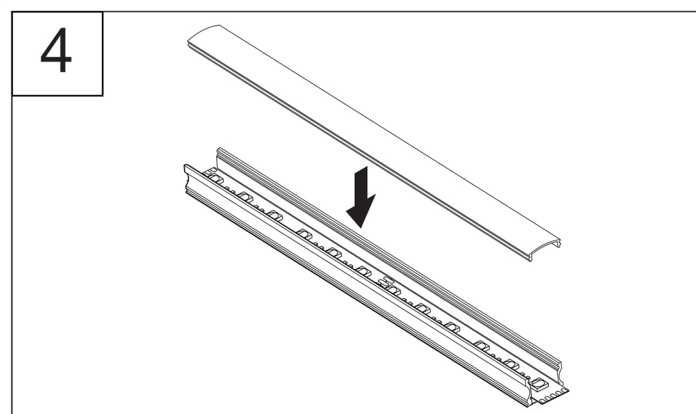
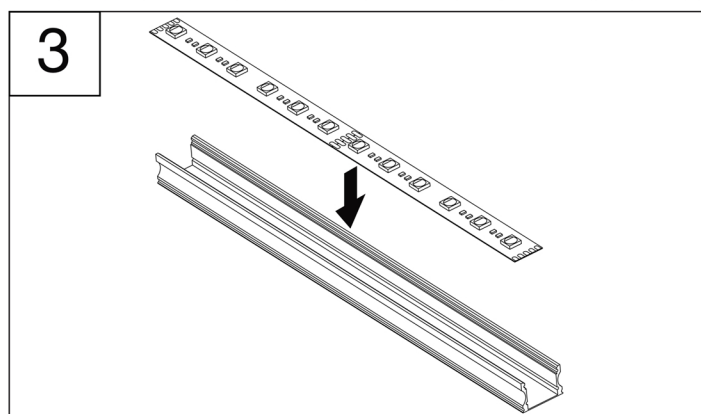
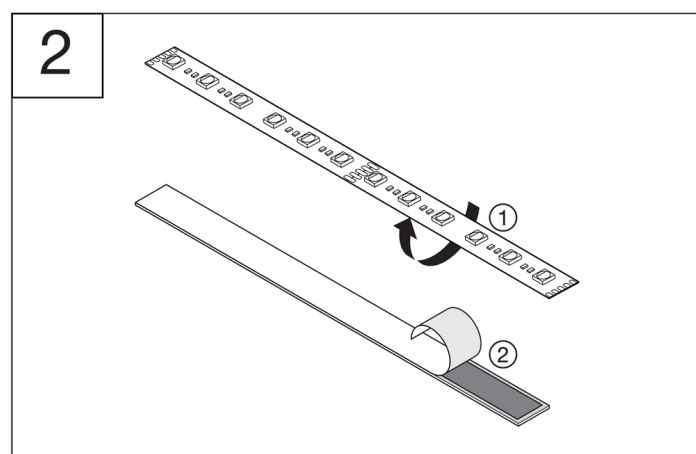
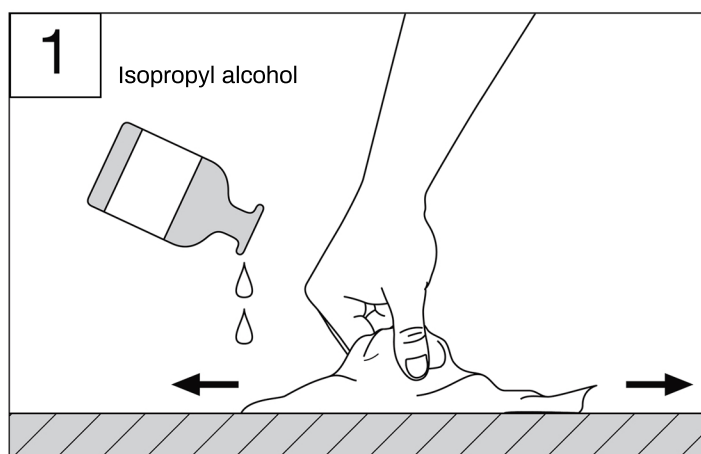
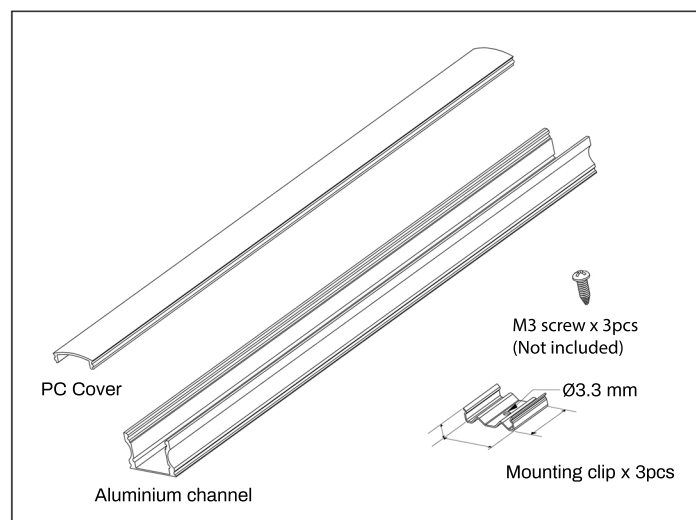


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## Mounting on U-channel

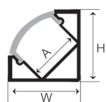


## U-channel for Indoor

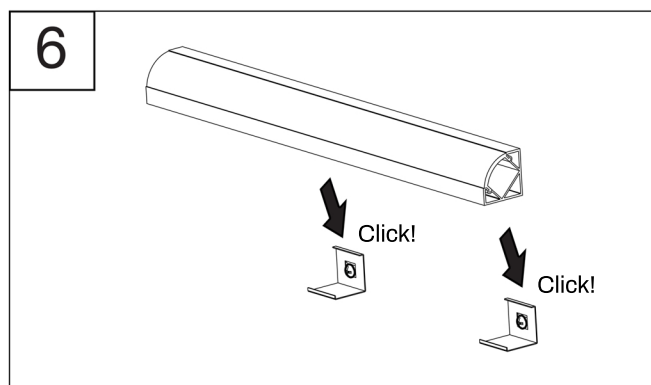
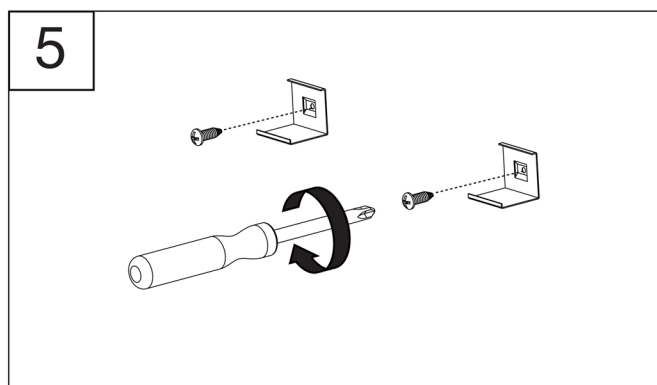
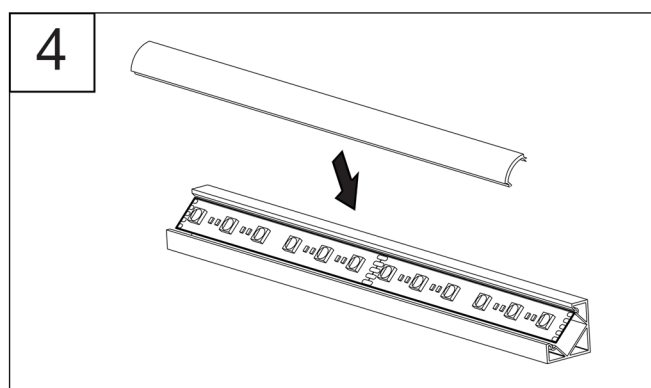
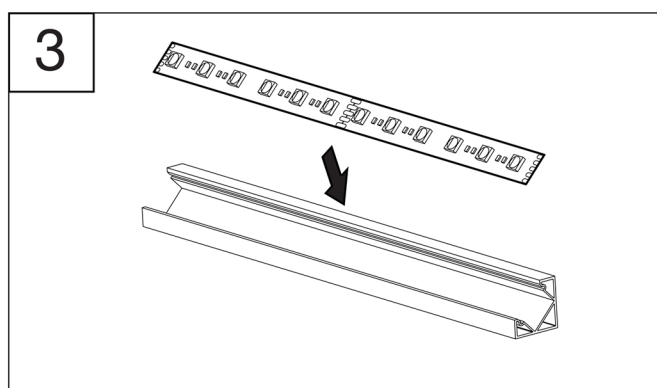
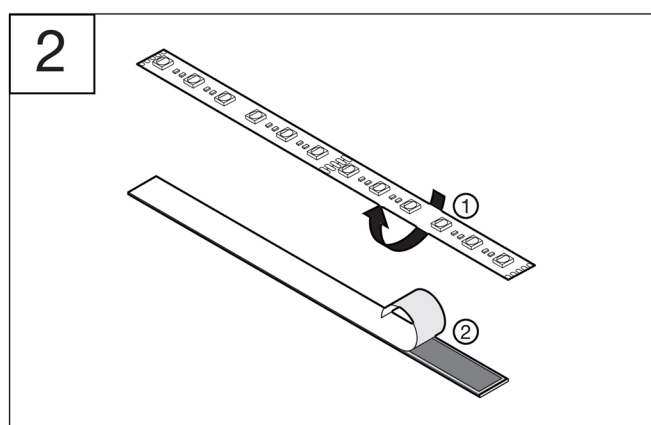
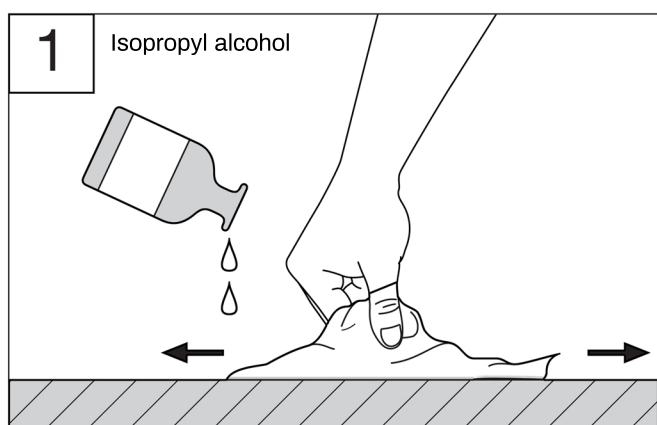
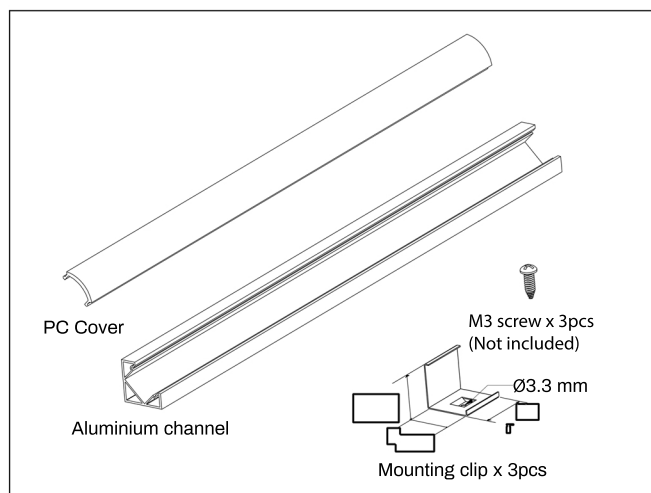


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## Mounting on V-channel



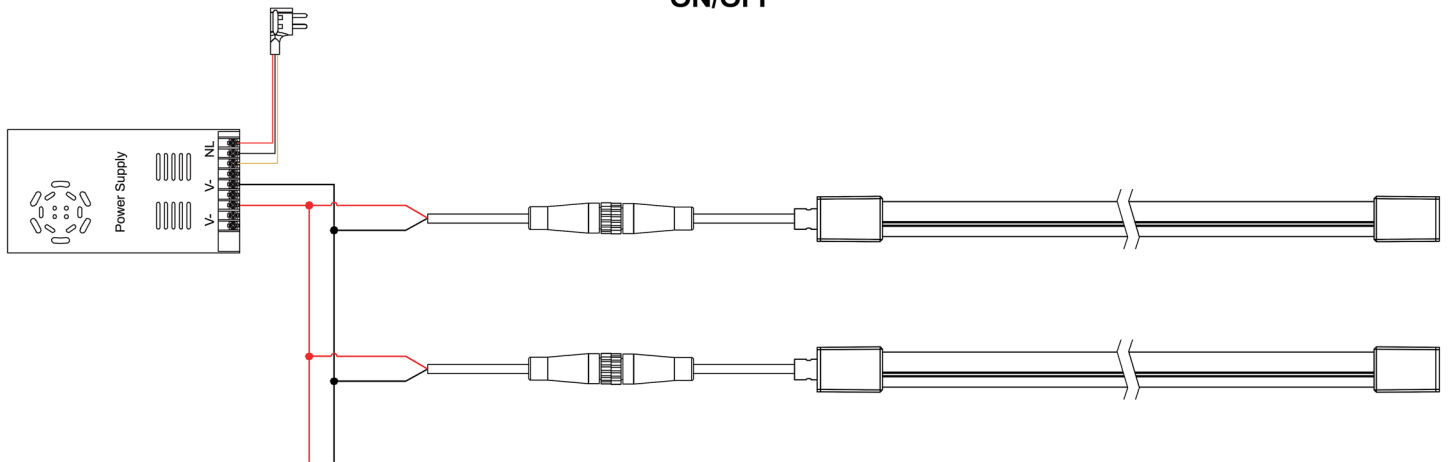
### V-channel for Indoor



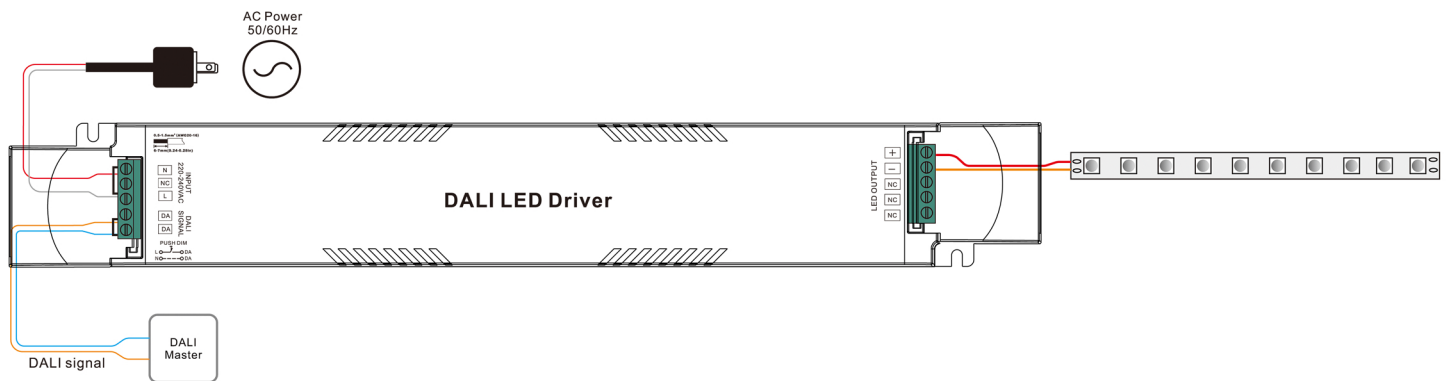
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## WIRING DIAGRAM

**ON/OFF**

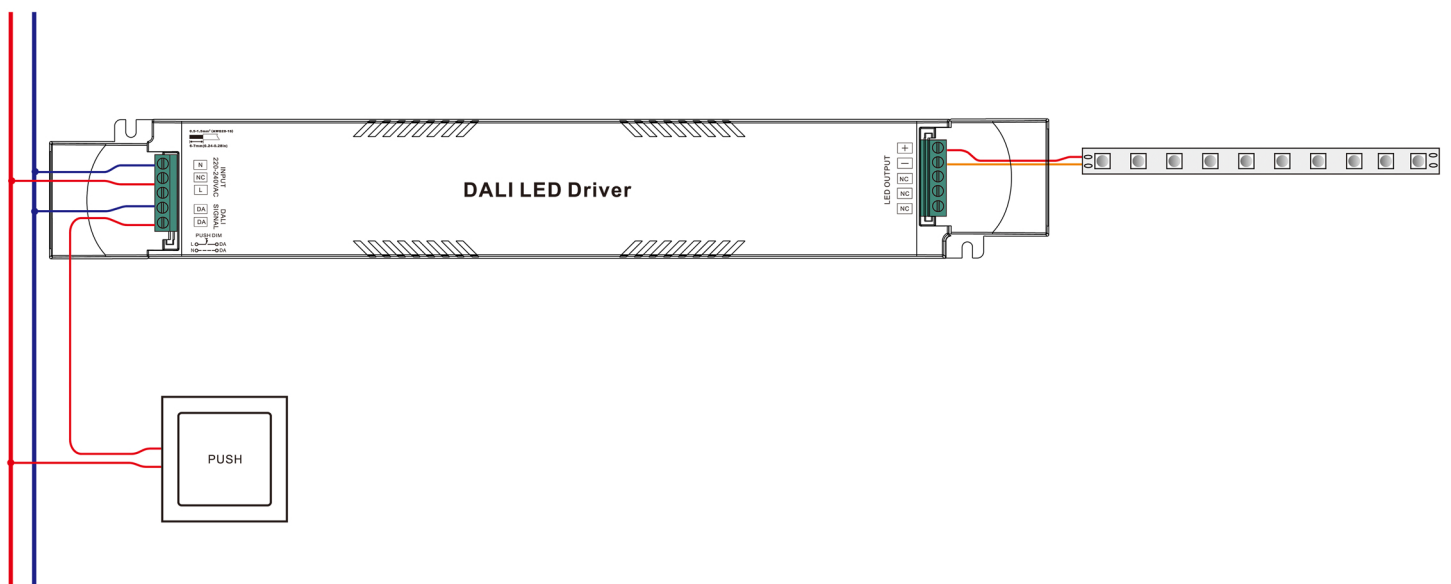


## 1. DALI



## 2. With Push Dim

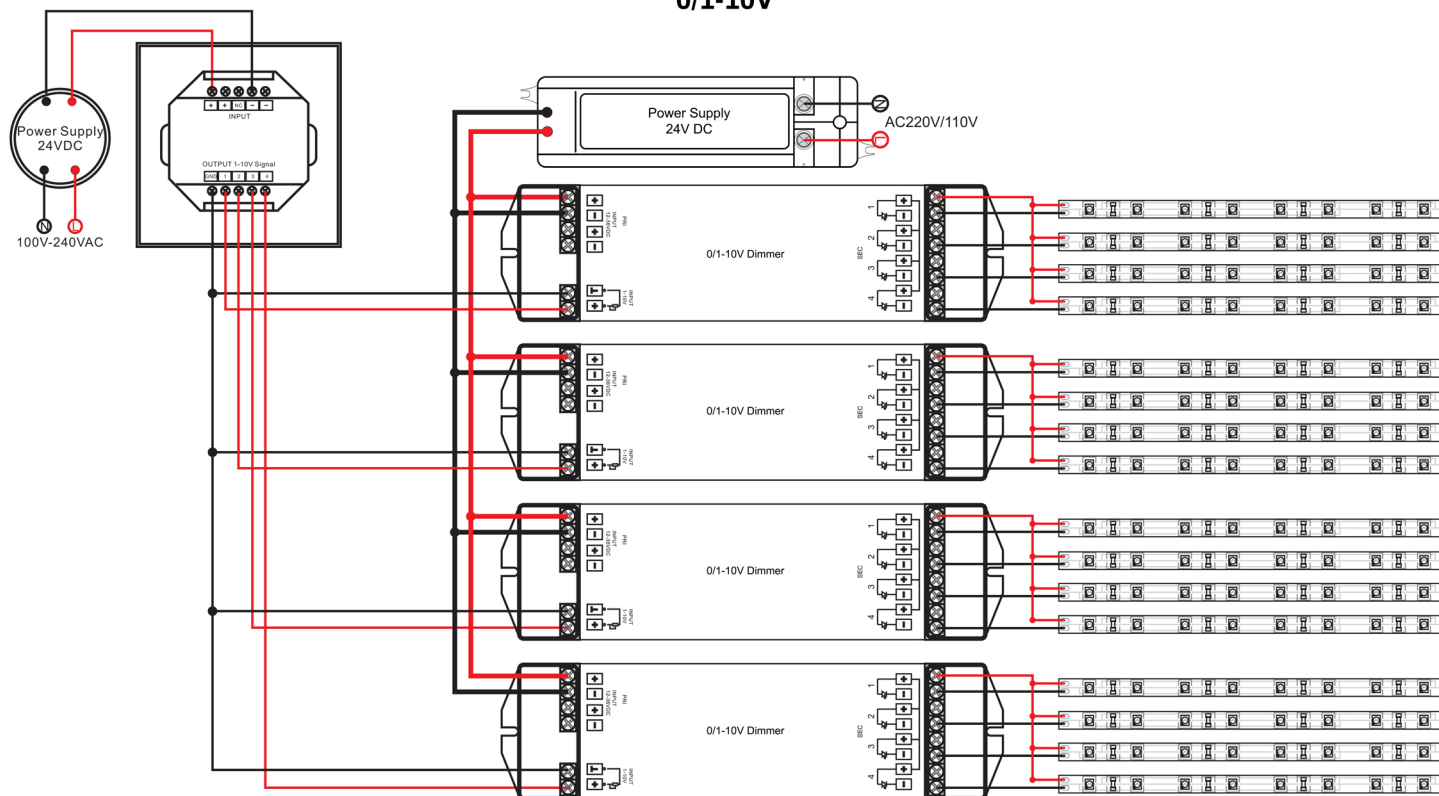
L N



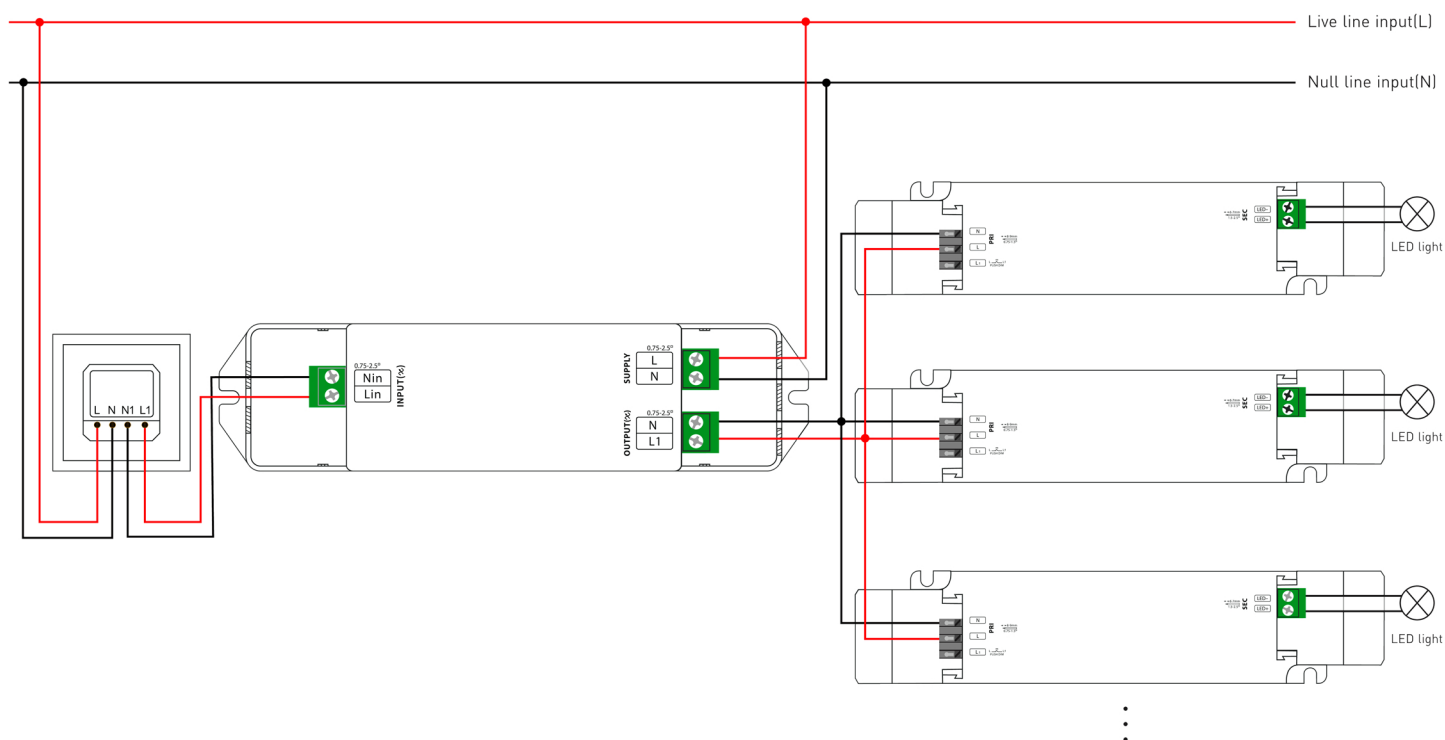


# WIRING DIAGRAM

## 0/1-10V



## PHASE CUT



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