

## BAND WHITE



### FEATURES:

BAND WHITE strip light illuminate your space with our versatile IP68 SMD Strip Light, perfect for outdoor applications. The IP68 rating means it can be submerged in water and withstand harsh outdoor conditions. This LED strip light delivers high - quality lighting with energy efficiency, up to 100lm/w. 100,000 Switching cycles. Min. Bending Diameter 60mm. Control mode: ON/OFF, DALI, Phase Cut, 0/1-IOV.



### TECHNICAL DETAILS

Power : 4.4 - 14.4W/M  
Voltage : DC24V  
CRI > 90  
Led Qty : 140LEDs/M  
Cutting length: 50mm  
Length/Reel : 5M  
Working Temperature : -20~45°C  
Storage Temperature : -30~80°C  
Voltage Range : 23 ~25V dc  
Reverse Voltage : 25V dc  
Warranty : 5 years

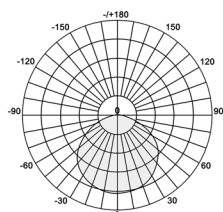
### FIELDS OF APPLICATION

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
953020440	96	4.4	1800K	472
			2200K	492
			2700K	512
			3000K	532
			4000K	552
			6000K	572
953020940	96	9.6	1800K	1024
			2200K	1044
			2700K	1064
			3000K	1084
			4000K	1104
			6000K	1124
953021440	96	14.4	1800K	1576
			2200K	1596
			2700K	1616
			3000K	1636
			4000K	1656
			6000K	1676

### Photometric

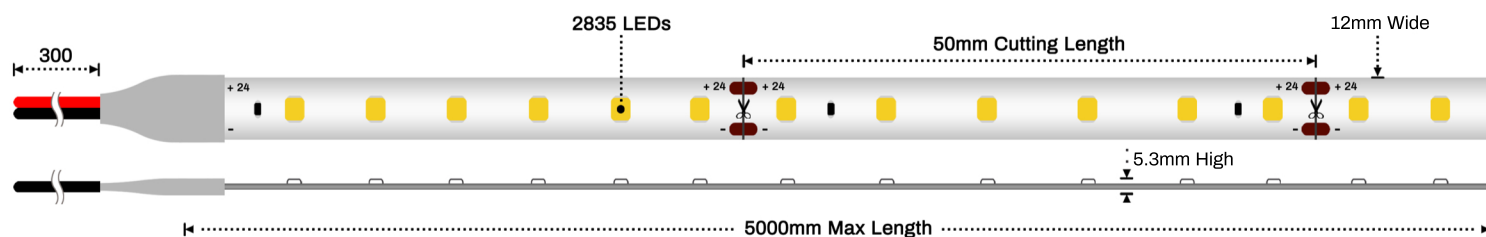


### Standards

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 ±5%. Unless stated otherwise, the values apply to an ambient temperature of 25°C

## DIMENSION



PCB Width : 8mm  
Strip Width : 12mm  
Strip Height : 5.3mm

<b>Order Code :</b> <u>953020440</u>	<u>18</u>
<b>Product Code</b>	<b>CCT</b>
953020440	18-1800K
953020940	22-2200K
953021440	27-2700K
	30-3000K
	40-4000K
	60-6000K

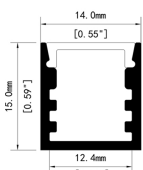
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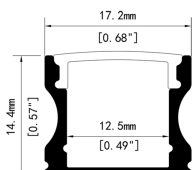
## ALUMINUM PROFILE LIST

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

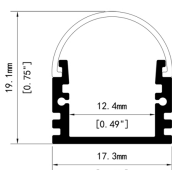
### Surface Mounted Profile :



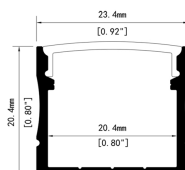
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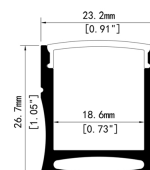
Code : 1714S



Code : 1719S

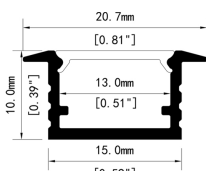


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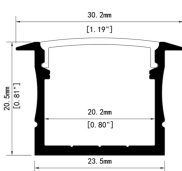


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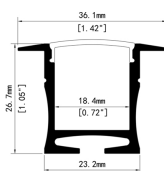
### Recessed Mounted Profile :



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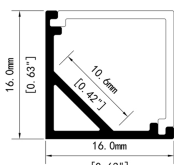


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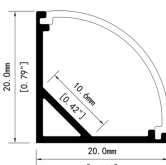


Code : 2327R

### Angular Mounted Profile :

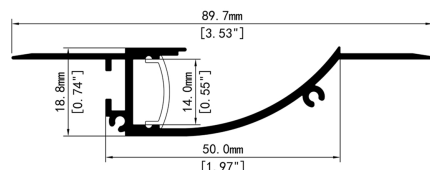


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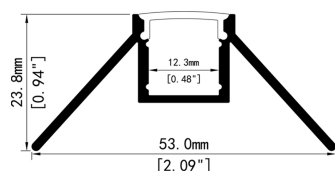
Code : 2020AR

### Staircase Profile :

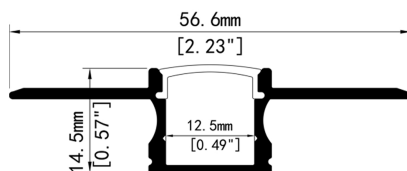


Code : 9018

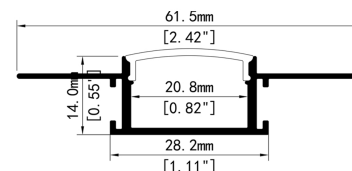
### Trimless Profile :



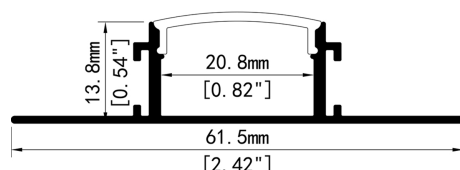
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Code : 5715T



Code : 6214T

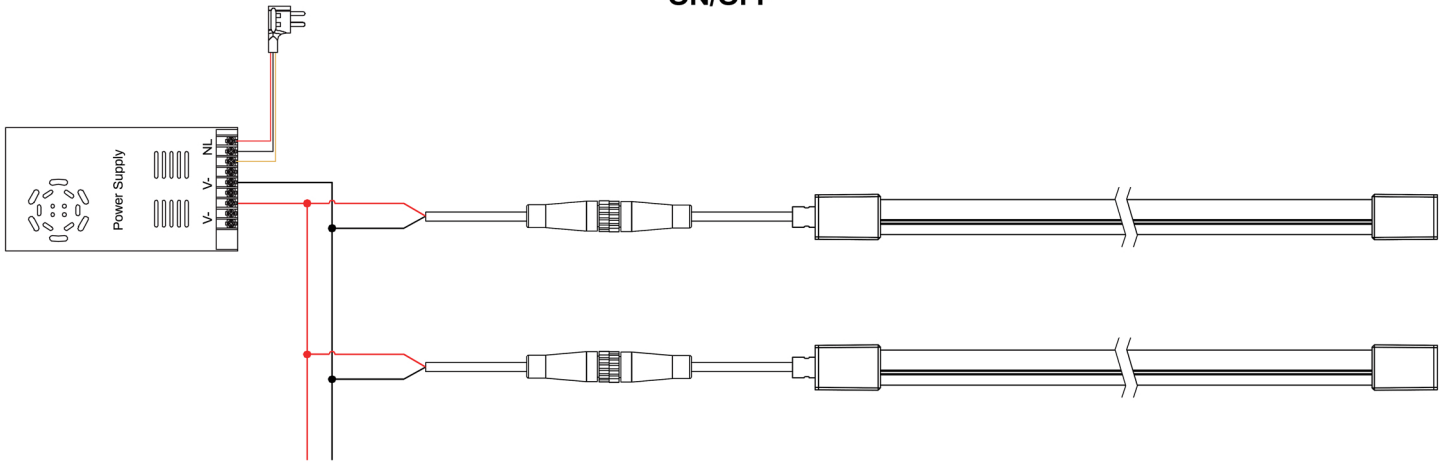


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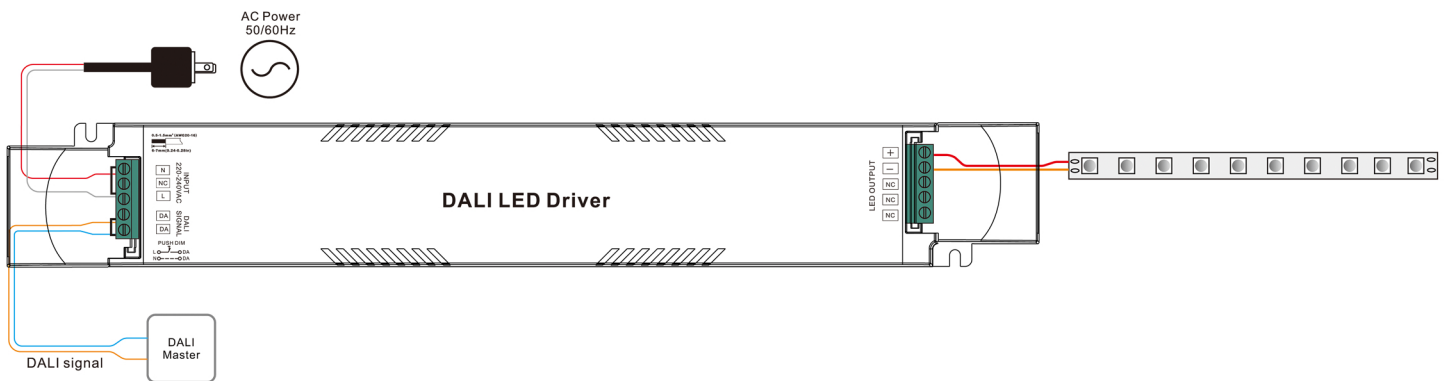
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## WIRING DIAGRAM

**ON/OFF**

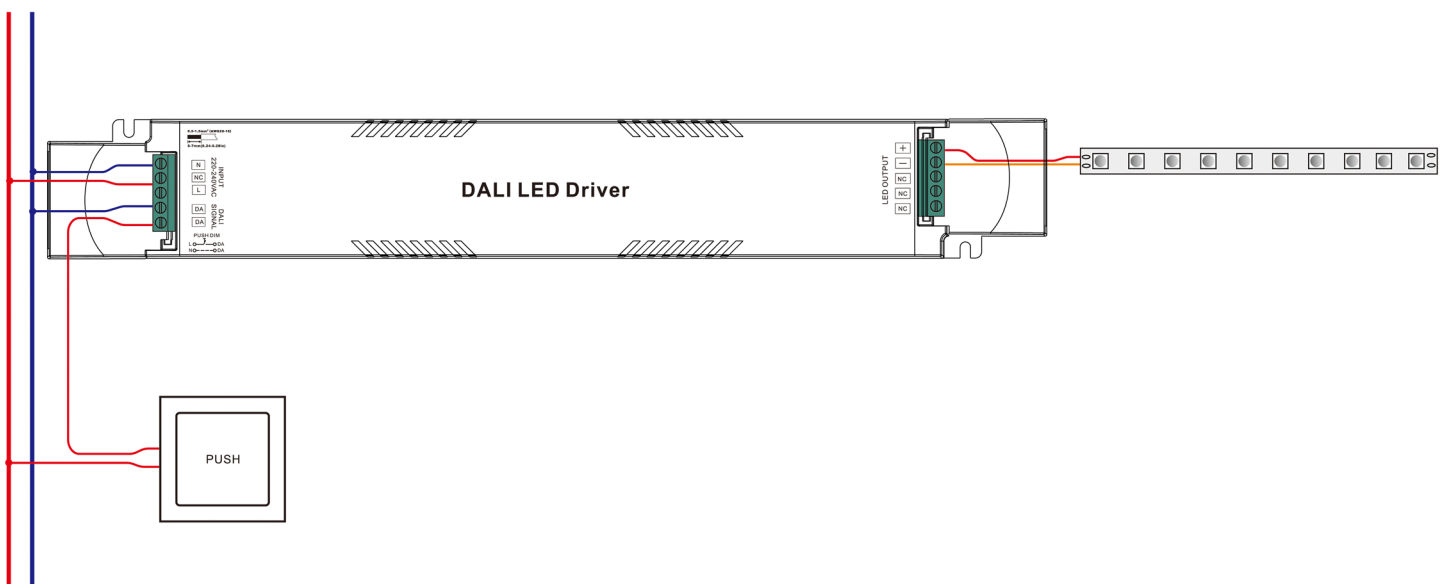


## 1. DALI



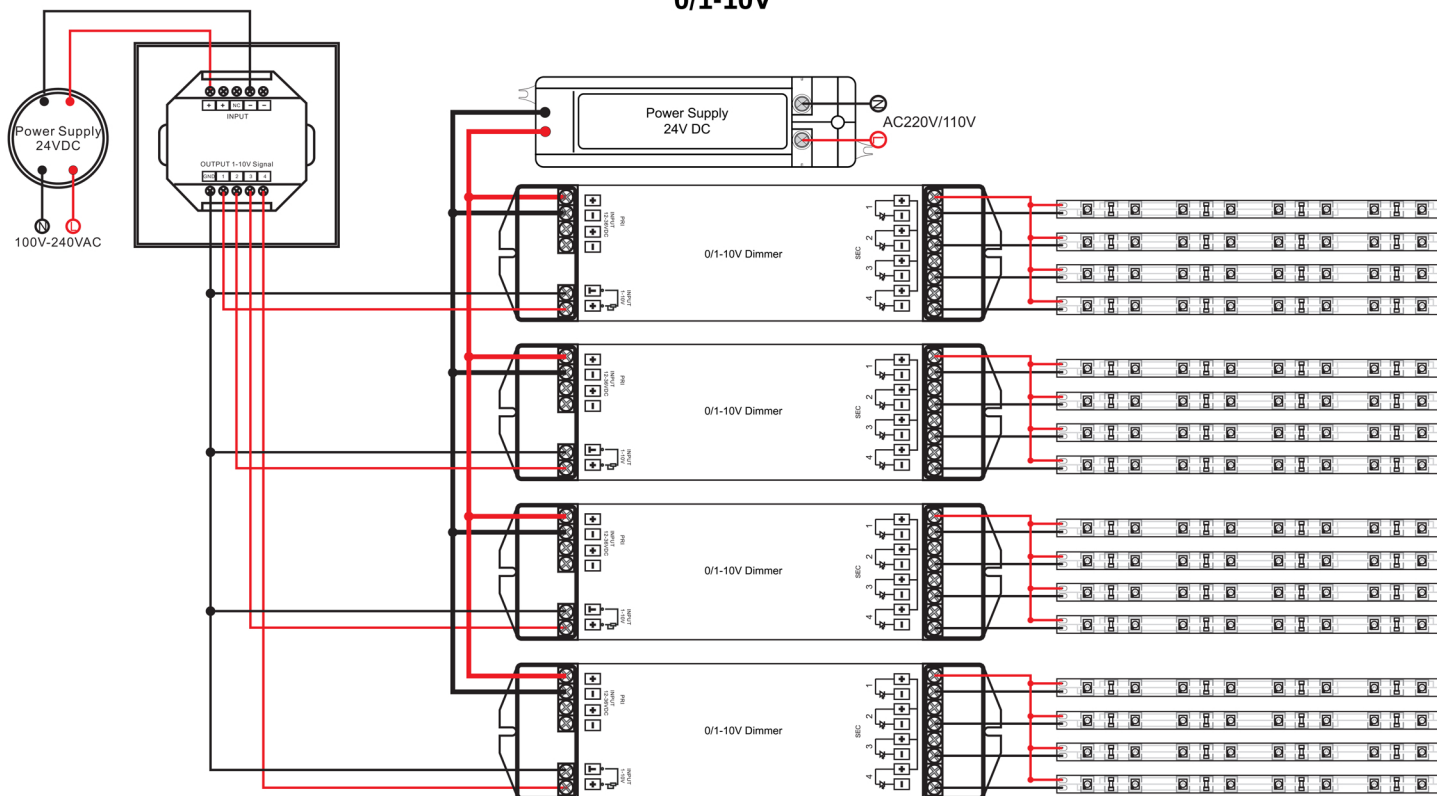
## 2. With Push Dim

L N

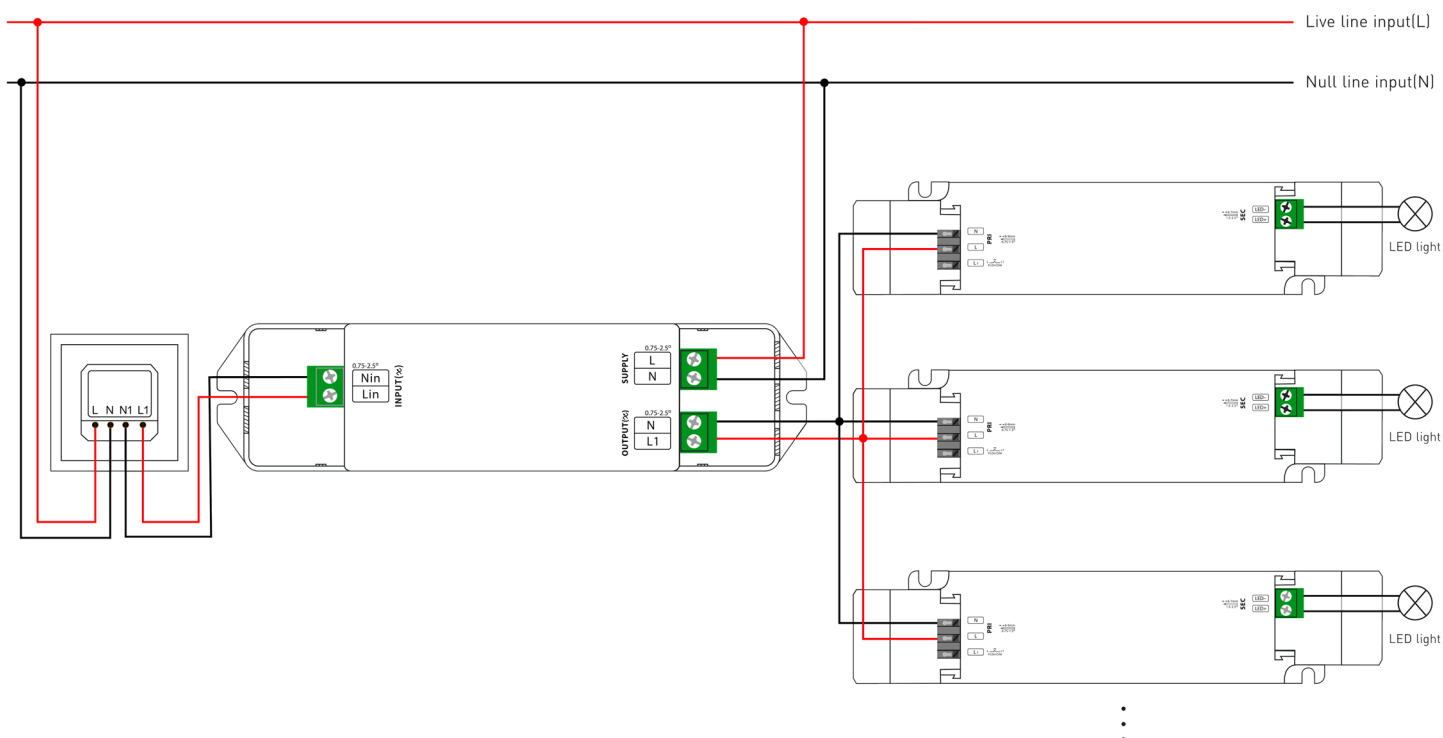


# WIRING DIAGRAM

## 0/1-10V



## PHASE CUT



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## **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.

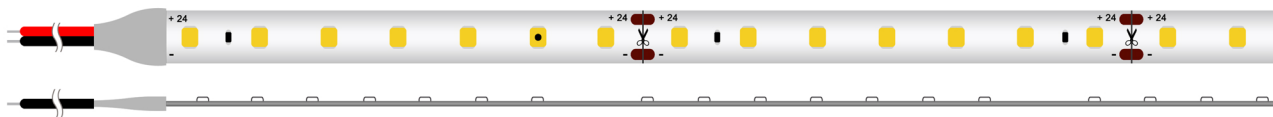
- The LEDLine Flex SMD must be operated with a constant-voltage (CV) LED converter.
- Operation only with power supply units that feature the following protection:
  - Short-circuit protection
  - Overload protection
  - Overheating protection
  - SELV (Safety Extra Low Voltage)
- It is imperative to 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.

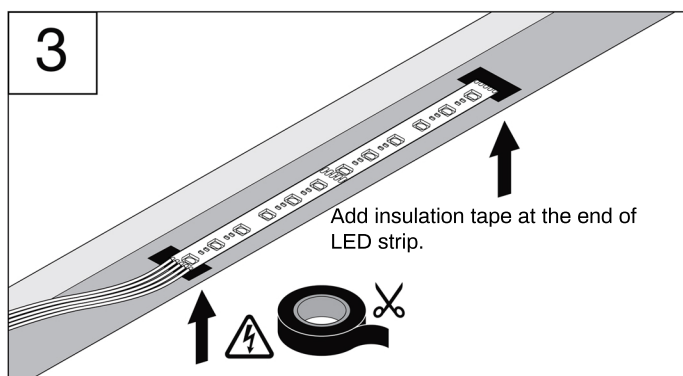
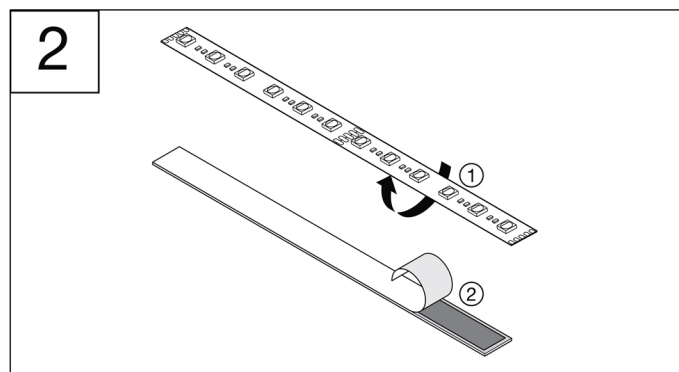
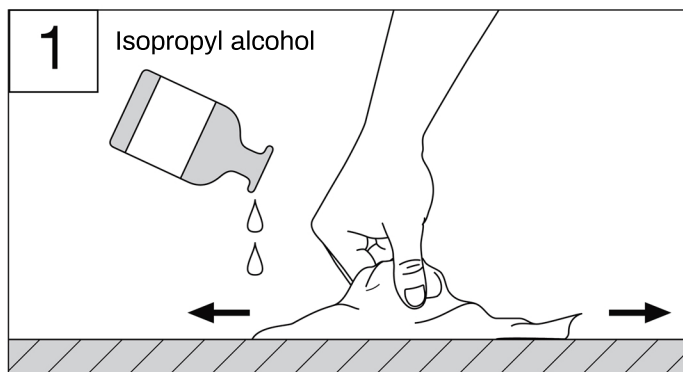
# Installation Manual For strip light



## 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.

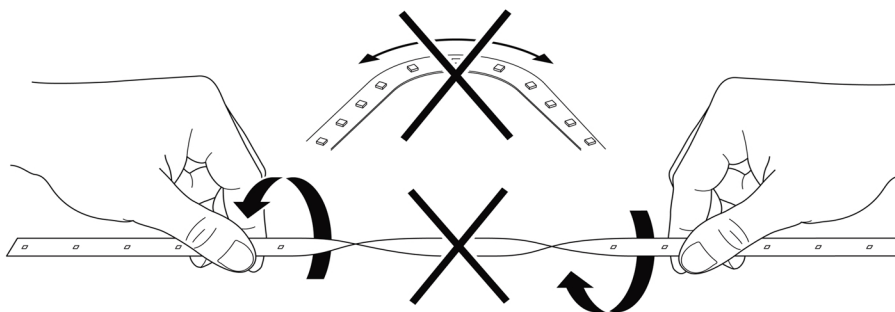
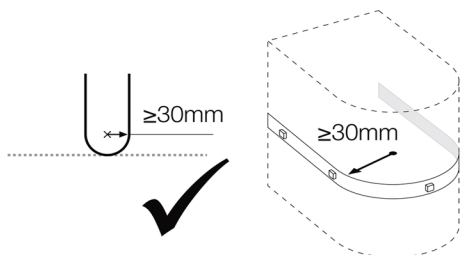
## Mounting on surface



## Do's and Don'ts

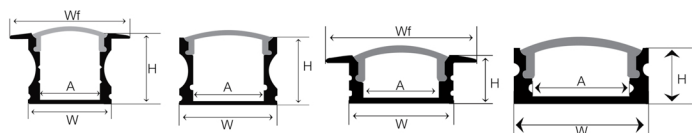
Minimum Bending Radius

Do not twist

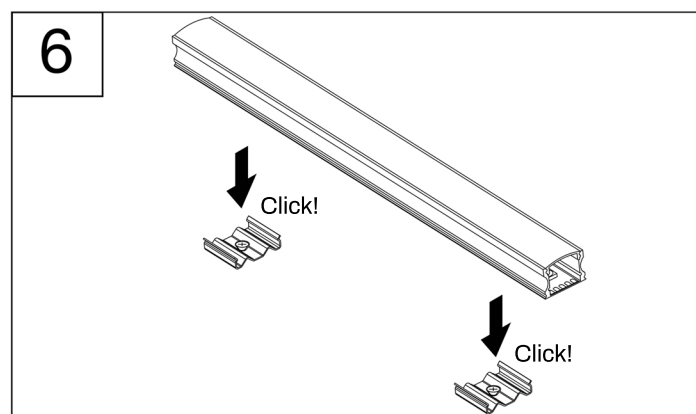
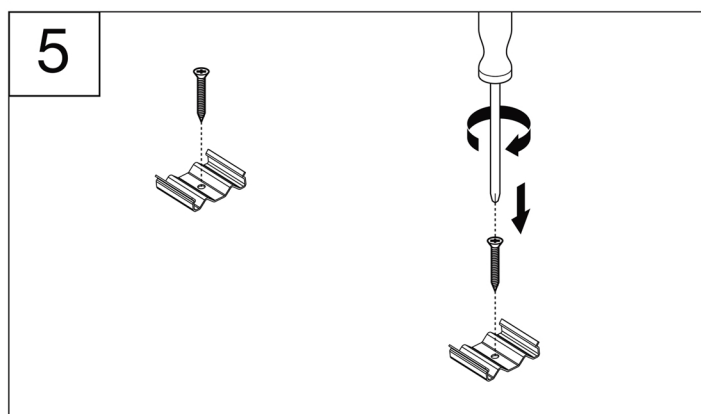
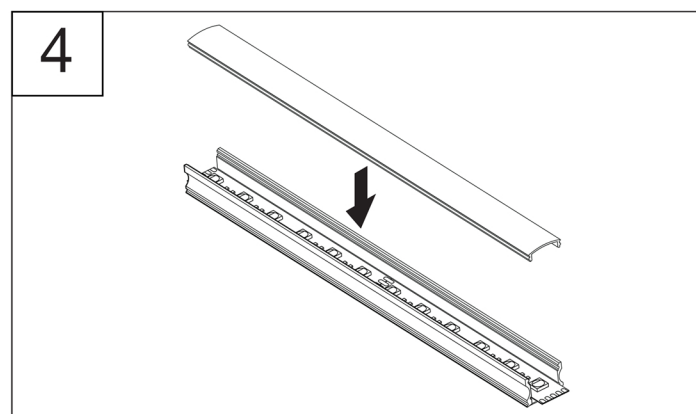
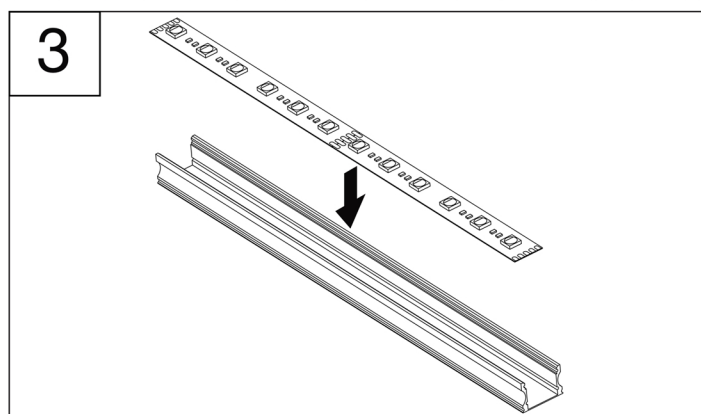
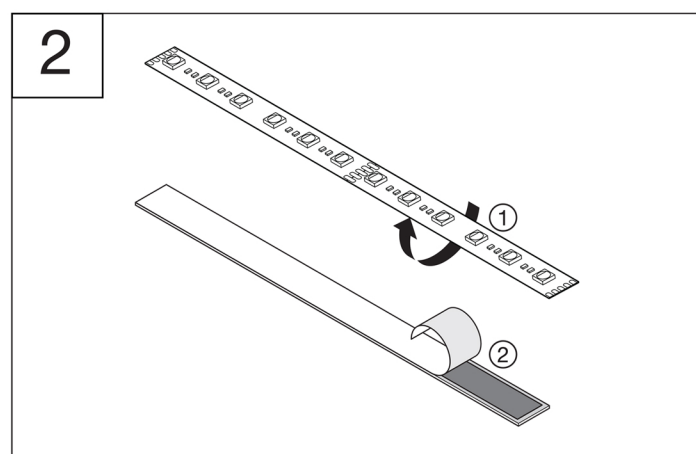
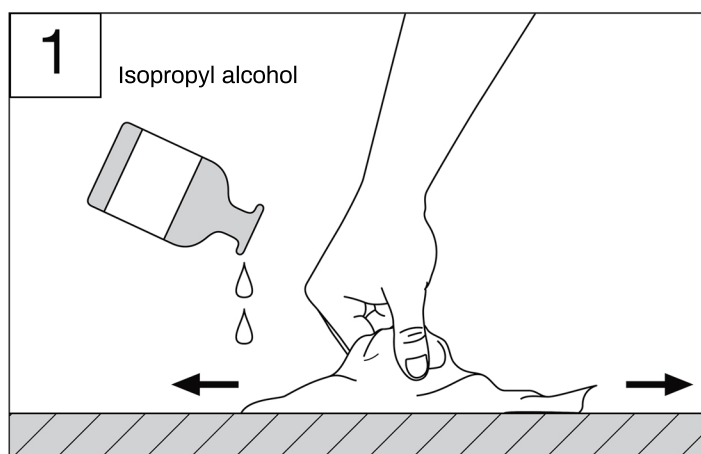
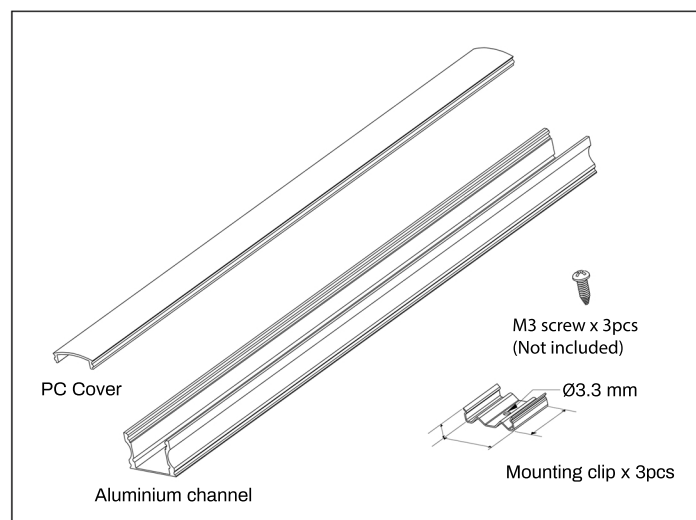


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## Mounting on U-channel



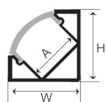
## U-channel for Indoor



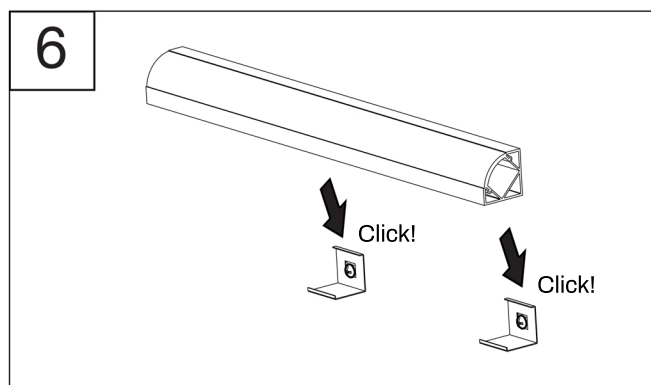
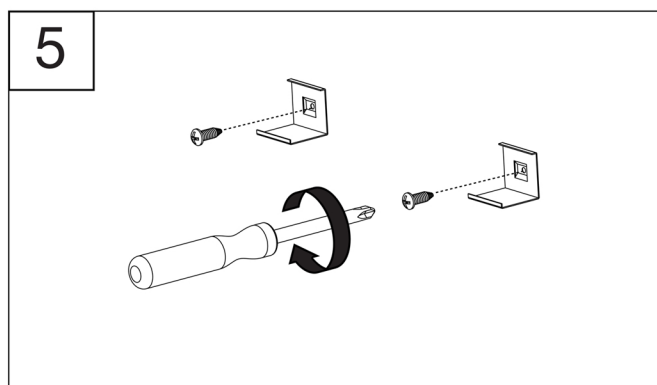
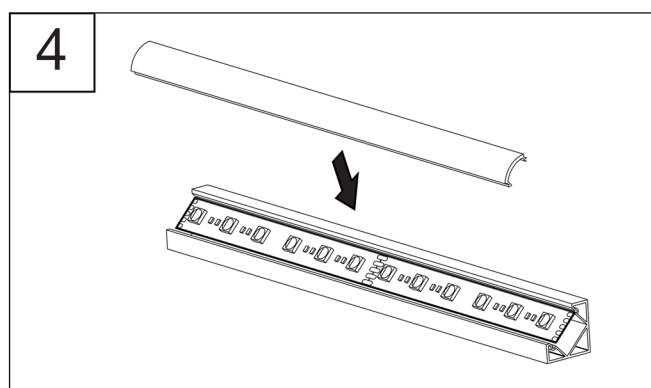
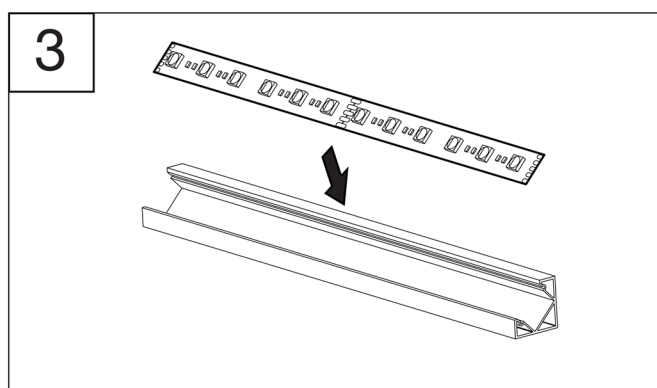
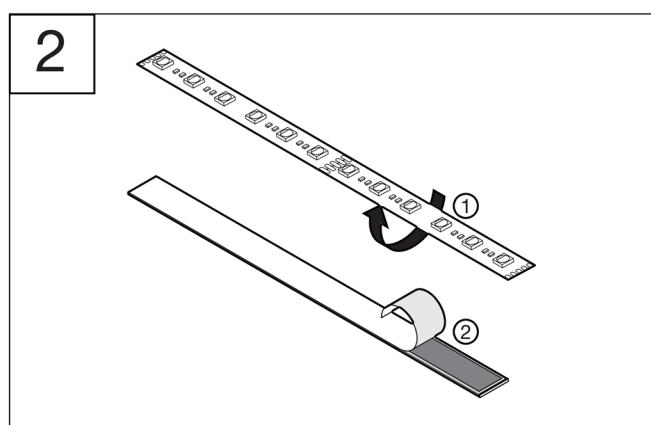
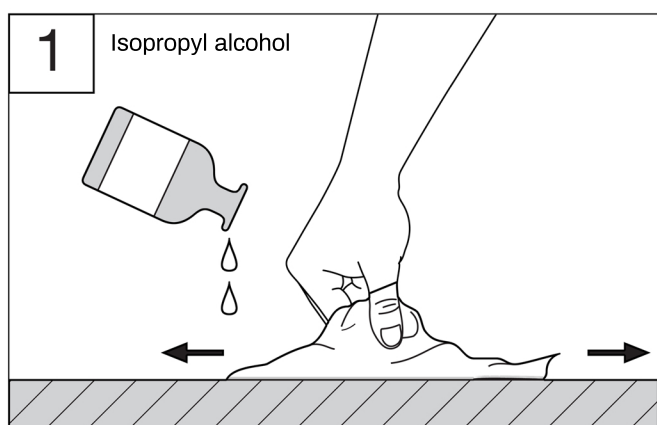
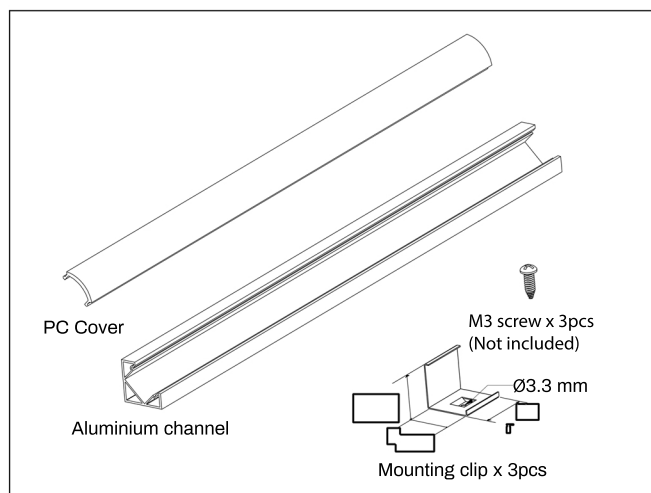
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## Mounting on V-channel



### V-channel for Indoor



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