

## Aluminum Profile

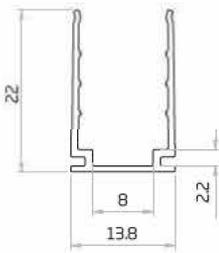


It uses high quality 6063 aluminum with thin wall, light weight design to fit tightly the light body. It is deformation and rust resistant, and cost effective.

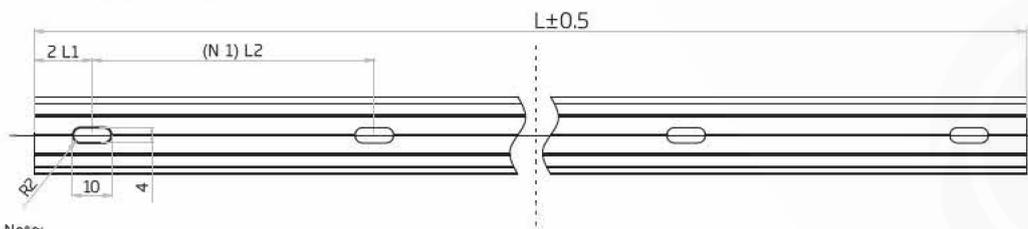
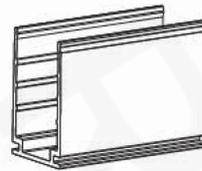
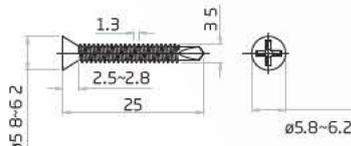
Please refer to the applicable installation ways.

Test Object	No.	Experiment Item	Standard
Metal Parts	1	Weather Resistance-Salt Spray	IEC 68-2-11
Mounting profile	2	Clamping force	LEDPRO-defined

## Dimension: mm



Tolerance:  $\pm 0.2$ mm



Note:

- 1, 2 L1 refers to two of symmetric L1 in each piece of profile.
  - 2, (N-1) L2 refers to (N minus one) of symmetric L2 in each piece of profile.
- "N" hereby stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
S3 A/PL 35MM AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
S3 A/PL 500MM AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
S3 A/PL 1000MM AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
S3 A/PL 2000MM AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# Flange Aluminum Profile



It uses high quality 6063 aluminum with thin wall, light weight design to fit tightly the light body. It is deformation and rust resistant, and cost effective. The "Flange" design is more suitable for recessed installation, better fits with the mounting groove and minimizes the operation tolerance during construction to some extent, like shielding the rough edges and the gaps of oversized groove.

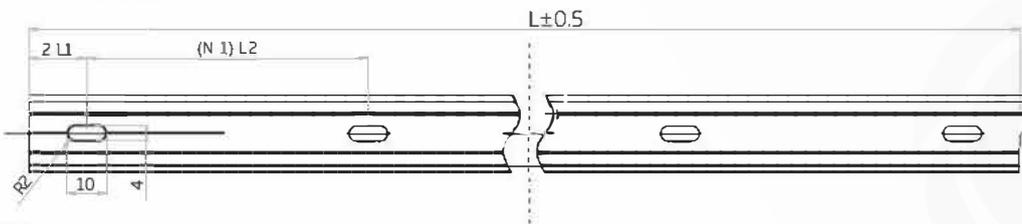
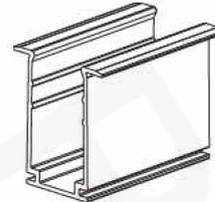
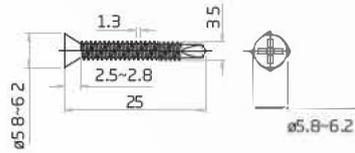
Please refer to the applicable installation ways.

Test Object	No.	Experiment Item	Standard
Metal Parts	1	Weather Resistance-Salt Spray	IEC 68-2-11
Mounting profile	2	Clamping force	LEDPRO-defined

## Dimension: mm



Tolerance:  $\pm 0.2\text{mm}$



**Note:**

- 1.2 L1 refers to two of symmetric L1 in each piece of profile.
  2. (N-1) L2 refers to (N minus one) of symmetric L2 in each piece of profile.
- "N" hereby stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
S3 FA/PL 35MM AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
S3 FA/PL 500MM AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
S3 FA/PL 1000MM AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
S3 FA/PL 2000MM AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# Serrated Aluminum Profile

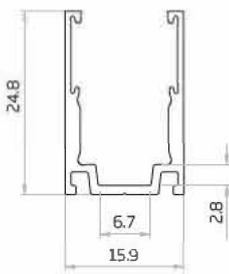


Specialized for the LED Flex Linear light, it was developed by combining the advantages of 6063 aluminum and elastic serrated tape. The inside elastic serrated tape as the grabbing force to keep continuous strong clamping force on the light body and protect the light from the damage caused by the large friction in the process of installation and dismantlement. It can stand max. 50 times of the light weight under 20~70°C and is easy to install and dismantle.

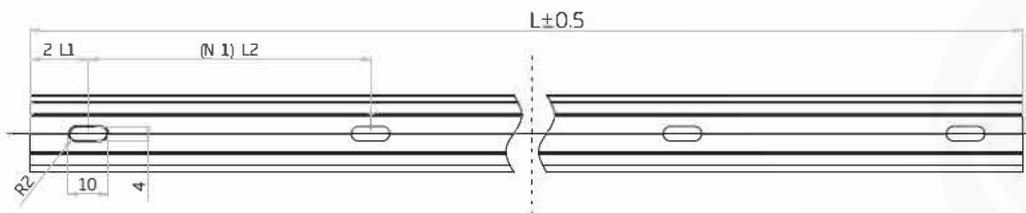
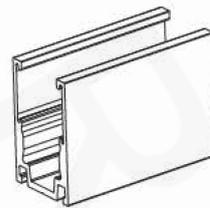
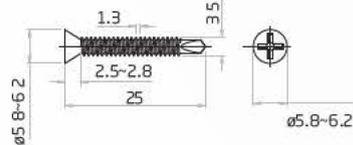
Please refer to the applicable installation ways.

Test Object	No.	Experiment Item	Standard
Metal Parts	1	Weather Resistance-Salt Spray	IEC 68-2-11
Mounting profile	2	Clamping force	LEDPRO-defined

## Dimension: mm



Tolerance:  $\pm 0.2$ mm



Note:

- 1, 2 L1 refers to two of symmetric L1 in each piece of profile.
  2. (N-1) L2 refers to (N minus one) of symmetric L2 in each piece of profile.
- "N" hereby stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
S3 SA/PL 20MM AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
S3 SA/PL 500MM AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
S3 SA/PL 1000MM AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
S3 SA/PL 2000MM AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# Flange Serrated Aluminum Profile



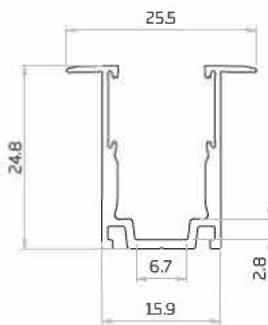
Specialized for the LED Flex Linear light, it was developed by combining the advantages of 6063 aluminum and elastic serrated tape. The inside elastic serrated tape as the grabbing force to keep continuous strong clamping force on the light body and protect the light from the damage caused by the large friction in the process of installation and dismantlement.

The "Flange" design is more suitable for recessed installation, better fits with the mounting groove and minimizes the operation tolerance during construction to some extent, like shielding the rough edges and the gaps of oversized groove.

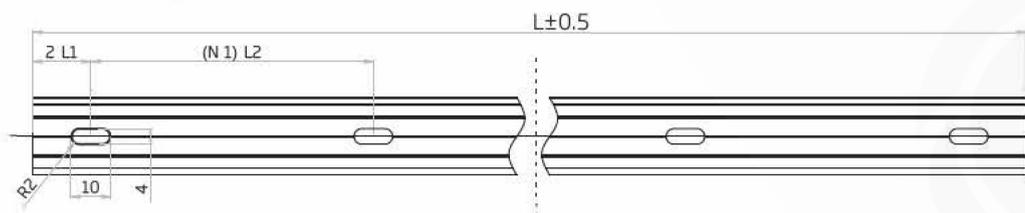
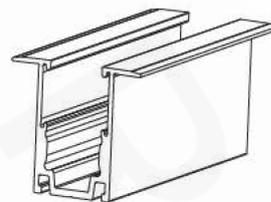
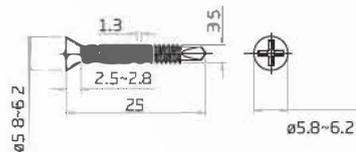
Please refer to the applicable installation ways.

Test Object	No.	Experiment Item	Standard
Metal Parts	1	Weather Resistance-Salt Spray	IEC 68-2-11
Mounting profile	2	Clamping force	LEDPRO-defined

## Dimension: mm



Tolerance:  $\pm 0.2\text{mm}$

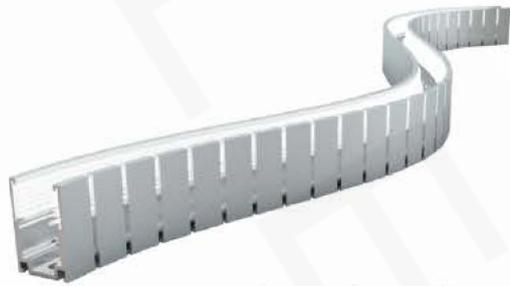


Note:

- 1.2 L1 refers to two of symmetric L1 in each piece of profile.
  2. (N-1) L2 refers to (N minus one) of symmetric L2 in each piece of profile.
- "N" here stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
S3 FSA/PL 20MM AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
S3 FSA/PL 500MM AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
S3 FSA/PL 1000MM AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
S3 FSA/PL 2000MM AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# Bendable Serrated Aluminum Profile

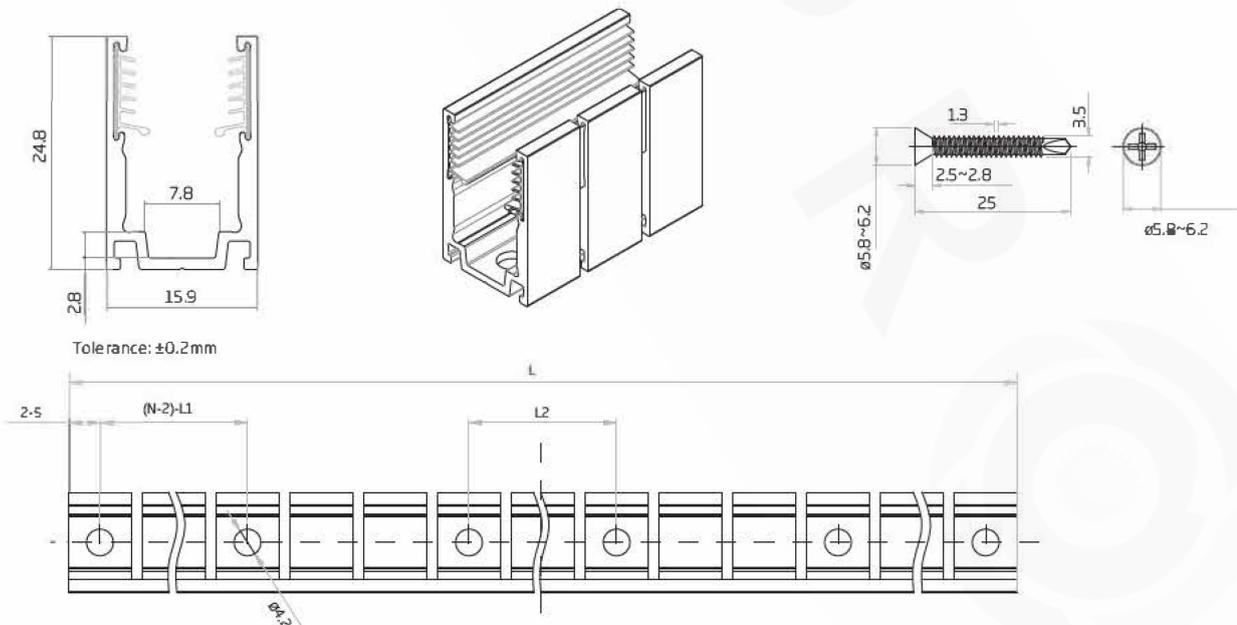


It is an expanded design of the serrated aluminum profile, and caters for the continuously streamlined aesthetics of curve shape. The secondary precision cutting process, not only maintains the advantage of clamping force, but also enables the two way horizontal bending directions with super shape memory.

Please refer to the applicable installation ways.

Test Object	No.	Experiment Item	Standard
Metal Parts	1	Weather Resistance-Salt Spray	IEC 68-2-11
Mounting profile	2	Clamping force	LEDPRO-defined

## Dimension: mm



Note:  
 1. 2.5 refers to two of symmetric 5mm in each piece of profile.  
 2. (N-2) L1 refers to (N minus two) of symmetric L1 in each piece of profile.  
 "N" hereby stands for its corresponding "Hole Number" in the below table

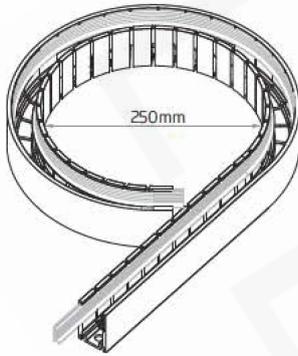
Item Code	Standard Length	L1	L2	Screw Hole	Hole Number
S3 BSA/PL 500MM AL	500mm/19.68in	116.5mm/4.59in	23.3mm/0.92in	ø4.2mm/0.17in	6
S3 BSA/PL 1000MM AL	1000mm/39.37in	116.5mm/4.59in	58.2mm/2.29in	ø4.2mm/0.17in	10

# Installation Instructions

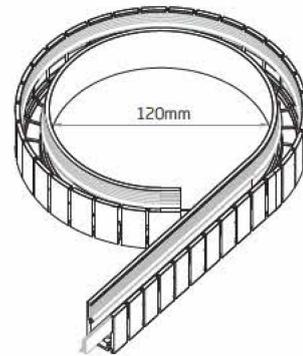
Friendly Reminder: please read instructions carefully before operation.

## Bending Diameter

Min. Bending Diameter (Toothed Side inwards)



Min. Bending Diameter (Toothed Side outwards)



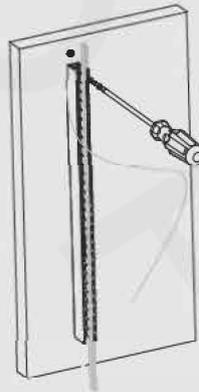
## Installation

### Step 1



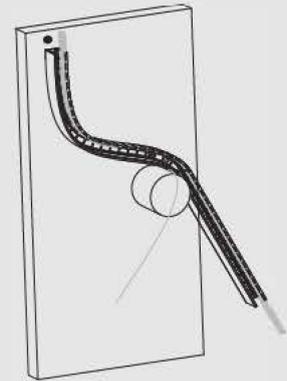
Mark the required shape on the mounting surface or print the sketch in the scale of 1:1 if complicated.

### Step 2



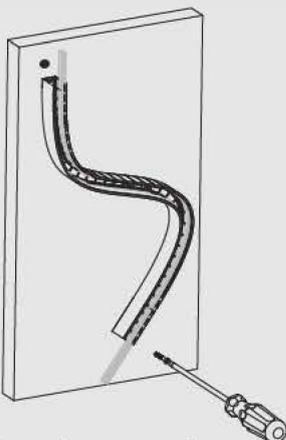
Get the front connector outside of profile and keep at least 10mm more apart. Fix the screw starting from the power input end.

### Step 3



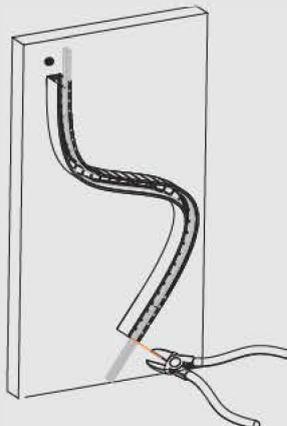
Use cylinder or disc-like object you have to assist with shaping.

### Step 4



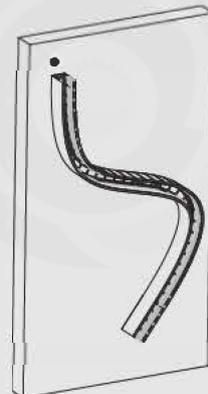
Fix the rest in sequence along with the marks.

### Step 5



Adjust the serrate silicone tape and remove the redundant lengths at both ends.

### Step 6



Finish and fix the light in.

# Operating Instruction for Profiles



Aluminum Profile



Flange Aluminum Profile



Serrated Aluminum Profile



Flange Serrated Aluminum Profile



Bendable Serrated Aluminum Profile

## Profile Cutting



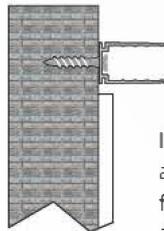
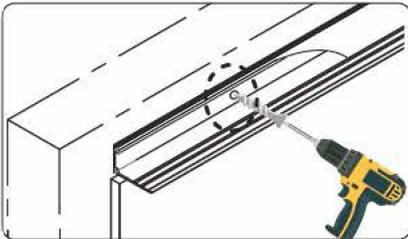
Make sure the cross section of profile is smooth without any burrs when you cut the profile.

For the profiles involved serrated tape, in case of any drop of serrated tape after cutting, insert and fix it to the profile by a few adhesive glues

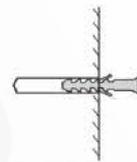


on its backside, 5~8mm diameter of touching area is enough. Make sure its round head on the edge is downward when putting back.

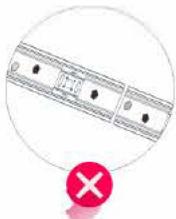
## Profile Installation



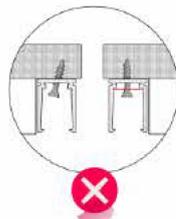
Install the screw into position and ensure the screw head is flush or lower the base of aluminum profile.



Place rubber expansion bolt to fix the screw if mounting surface is rigid.



No debris in the profile before installation.



No bulges on the slot to damage the light.



Do not use the deformed profile.



Repeated shaping shall be avoided in case of any break.

When there is debris in the profile or the screw has bulged, the housing is subject to be impaled, and the PCB is easy to have wrinkles or fractures. After a period of time, the failure may happen.

## Profile Jointing



Correct joint enables easy installation of light. The seam between two pieces of mounting profiles should be more than 5mm.



The profiles can be joint to a right angle only if there are two pieces of lights connected to be a right angle.



When there is only one piece of light installed around the corner, make sure the profiles leave enough space to adapt to minimum bending diameter.



Angular Misalignment



Parallel Horizontal Misalignment



Parallel Vertical Misalignment

Above wrong joints will make the lights improperly bent, which lead to the wrinkles and fractures on PCB, damaged on the housing. Hence the products installed here will show up failure after a period of time.

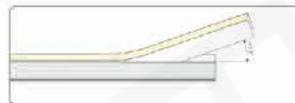
## Light Installation



Make sure the light is fixed in vertically.



Press the light into the profile by palm.

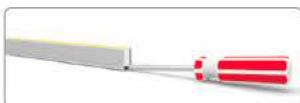


Make sure the angle between light and profile is not bigger than 15°.



When the length of light > 2m, make sure somebody helps to lift the light.

## Light Uninstallation



Step 1: Prepare a screwdriver, and put the screwdriver at the bottom of light.



Step 2: Move the screwdriver and undench the light upwardly. Be careful the angle between the light and the profile should not be bigger than 15°.



Step 3: Once the end of light is out, hold both sides of light by hand and pull it out along the profile slowly and orderly.

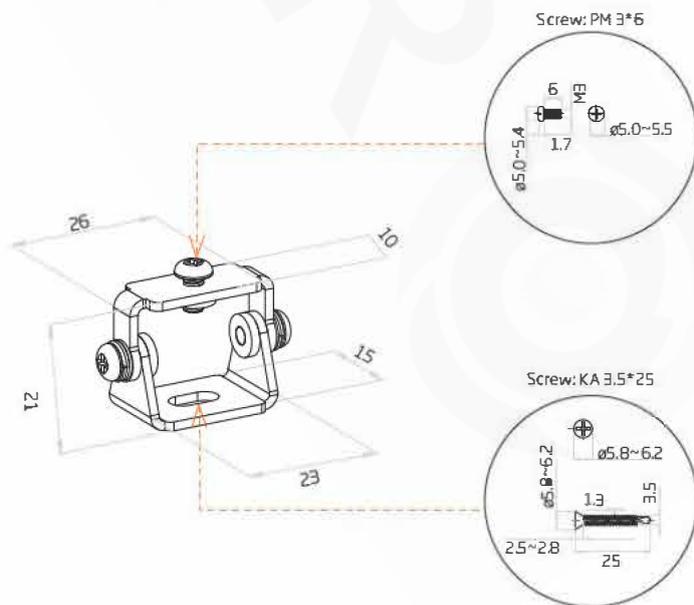
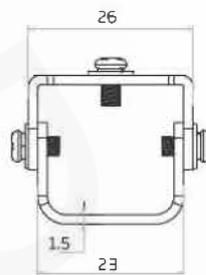


When the length of light > 2m, make sure somebody helps to lift the light.

# Pivot Mounting Bracket



Item Code: PM/B



Note:

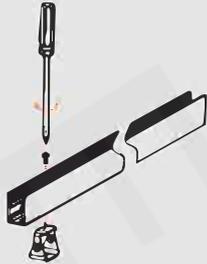
Applicable to all types of mounting profiles

## Installation Instructions

### Step 1



### Step 2



### Step 3



Step 1:  
Remove the upper screw from pivot mounting bracket.

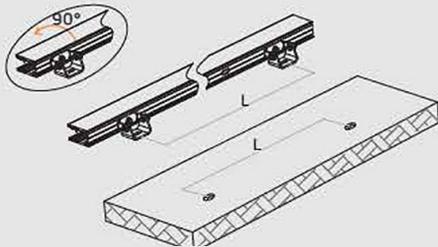
Step 2:  
Fix pivot mounting bracket and mounting profile tightly by the screw.

Step 3:  
Repeat step 1 & step 2 for the remaining brackets and secure at least 2 locking points for each mounting profile, and the equal interval is more recommended.



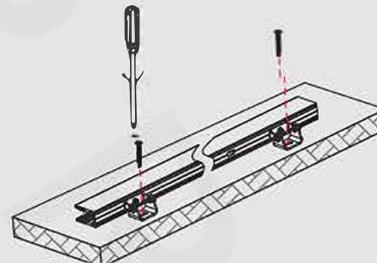
**Warning:**  
Keep pivot mounting bracket and mounting profile parallel from the side view.

### Step 4



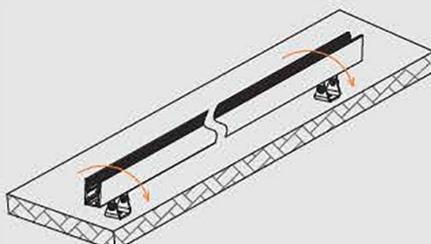
Rotate pivot mounting bracket till the showing up of the unfixed screw hole to facilitate the installation with mounting surface as per the pre-marked hole.

### Step 5



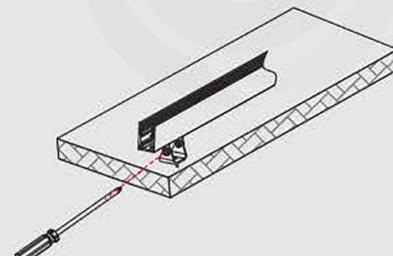
Fix pivot mounting bracket to mounting surface by KA3.5\*25 screw.

### Step 6



Adjust the angle of mounting profile to the one required.

### Step 7

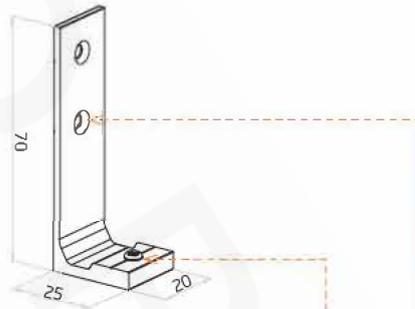


Tighten the side screws of pivot mounting bracket to avoid loosened locking point.

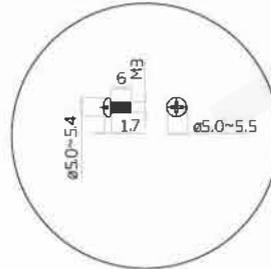
# Side Mounting Bracket



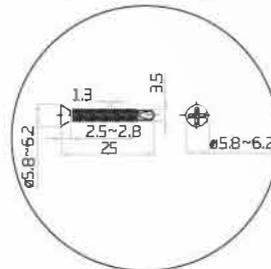
Item Code: SM/B



Screw PM 3\*6 1pc



Screw KA 3.5\*25 2pcs



**Note:**

Applicable to all types of mounting profiles

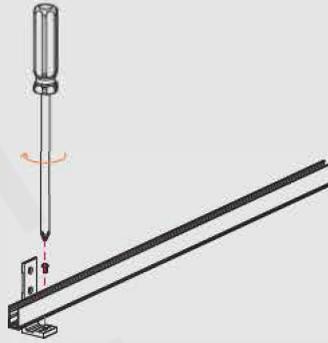
## Installation Instructions

### ▶ Step 1



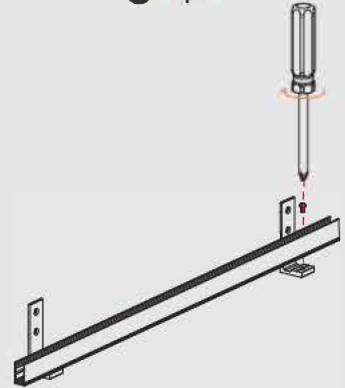
Remove the PM3\*6 screw of side mounting bracket.

### ▶ Step 2



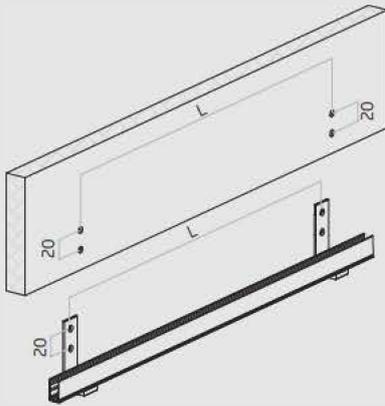
Fix side mounting bracket and mounting profile tightly by the screw.

### ▶ Step 3



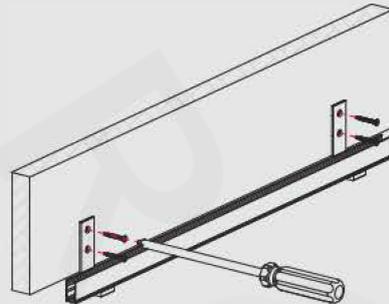
Repeat step 1 & step 2 for the remaining brackets and secure at least 2 locking points for each mounting profile, and the equal interval is more recommended.

### ▶ Step 4



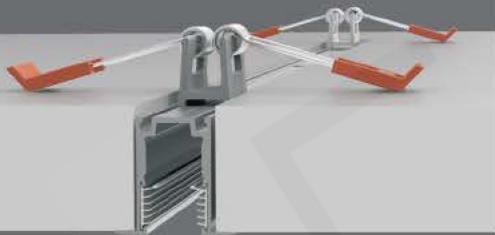
Mark the pilot holes on mounting surface accordingly.

### ▶ Step 5

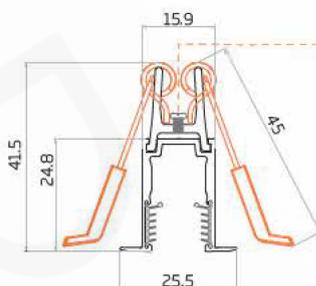


Fix the side mounting bracket by KA3.5\*25 screws.

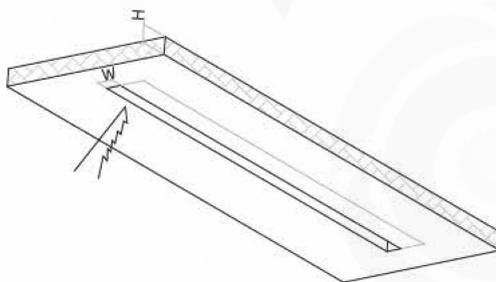
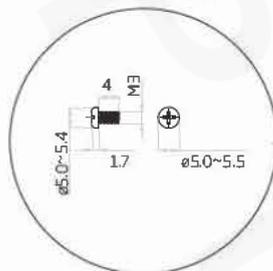
# Ceiling Mounting Clip



Item Code: CM/C



Screw PM 3\*4 1pc



The width applicable to S3: 17~20mm  
The thickness of ceiling: 5~50mm

Note:  
Only applicable to flanged serrated aluminum profile.

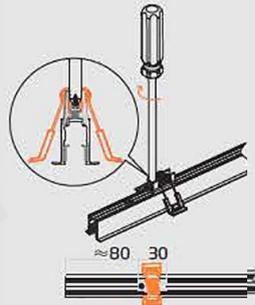
## Installation Instructions

### Step 1



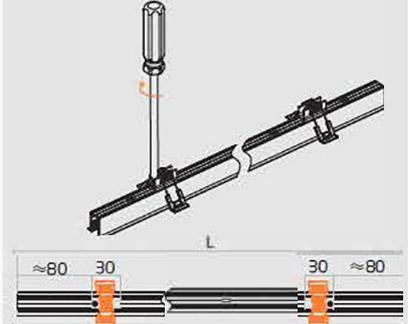
Unfold the spring a little and slide to groove of mounting profile.

### Step 2



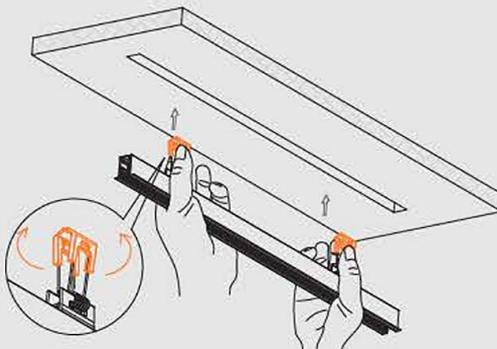
Slide forward ceiling mounting bracket 80mm and fix the screw tightly.

### Step 3



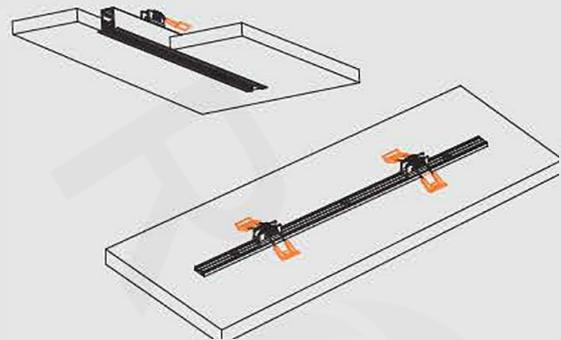
Repeat step 1 & step 2 for the remaining brackets and secure at least 2 locking points for each mounting profile and the equal interval is more recommended.

### Step 4



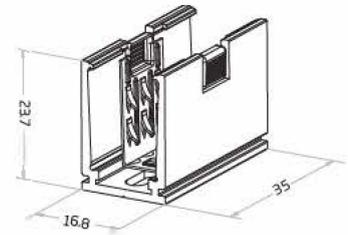
Mark and then slot the ceiling as instructed.

### Step 5

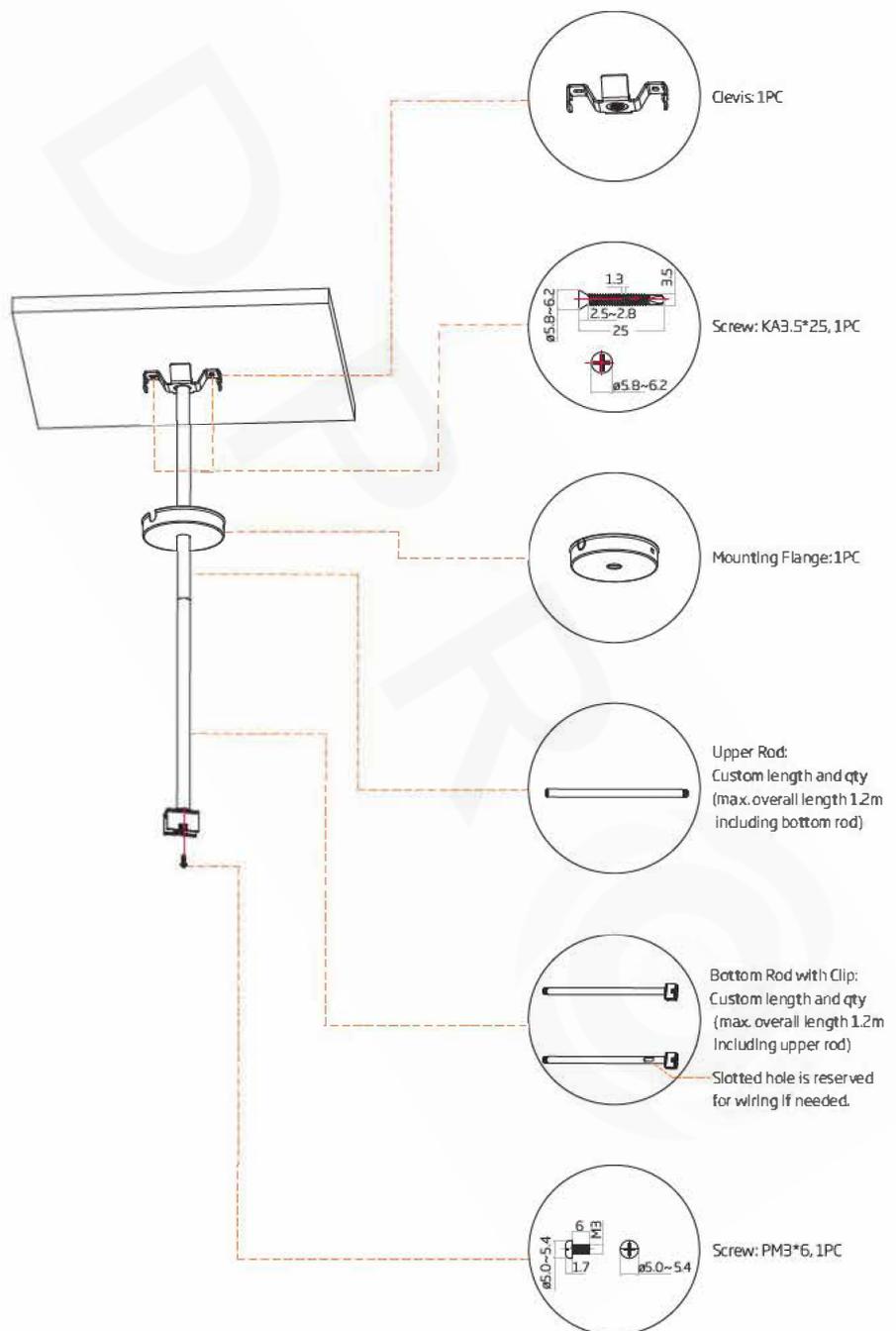


Hold the springs with hands and loosen them after clipping into the ceiling.

# Suspended Mounting Clip



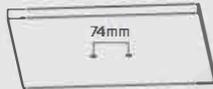
Item Code: SM/C



# Installation Instructions

## Suspended Mounting Rod **without Wiring**

### ▶ Step 1



Mark the installation position of clevis on the ceiling with sufficient load-carrying capacity.

### ▶ Step 2



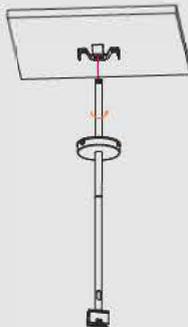
Tighten the clevis by screws.

### ▶ Step 3



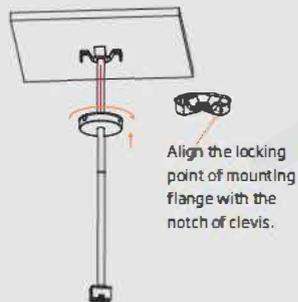
Assemble the mounting flange and the rods in order of ①②③.

### ▶ Step 4



Rotate and fasten them clockwise.

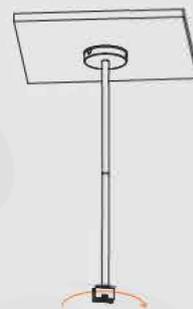
### ▶ Step 5



Align the locking point of mounting flange with the notch of clevis.

Shield the clevis by the mounting flange and rotate anticlockwise until it clicks into place.

### ▶ Step 6



Adjust the clip to the angle you need (max. 180° in a clockwise direction).

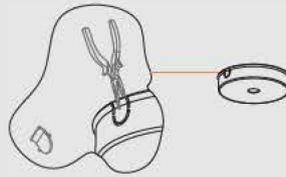
## Suspended Mounting Rod with Surface Wiring

### Step 1



Mark the installation position of device on the ceiling with sufficient load-carrying capacity.

### Step 2



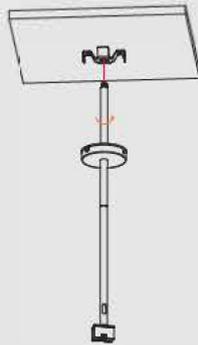
Cut a cable hole along with the pre-marked notch on the lateral side of mounting flange.

### Step 3



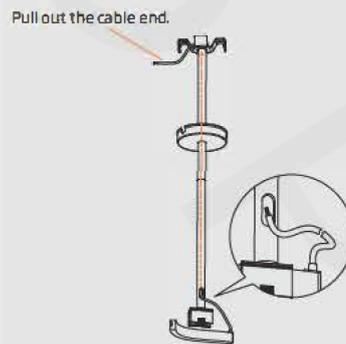
Assemble the mounting flange and the rods in order of ① ② ③ ④

### Step 4



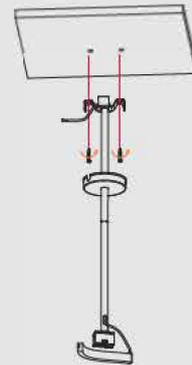
Rotate and fasten them clockwise.

### Step 5



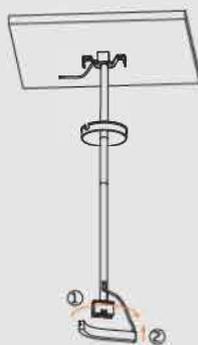
Thread the cable through slotted hole to the top of rod.

### Step 6



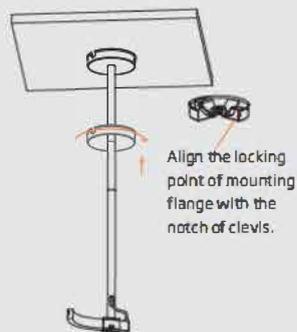
Tighten the clevis by screws.

### Step 7



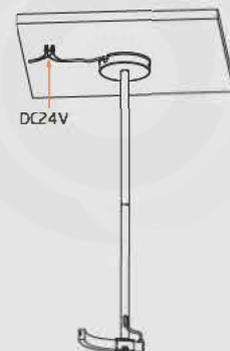
- ① Adjust the clip to the angle you need (max. 180° in a clockwise direction).
- ② Install the light to the clip and adjust the cable length.

### Step 8



Shield the clevis by the mounting flange and rotate anticlockwise until it clicks into place.

### Step 9



Connect the Power DC24V

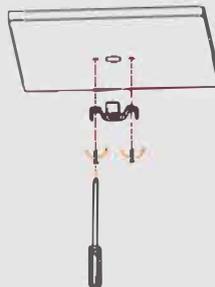
## Suspended Mounting Rod with Concealed Wiring

### Step 1



Mark the installation position of clevis on the ceiling with sufficient load-carrying capacity, and in between punch a  $\varnothing 20\text{mm}$  cable hole.

### Step 2



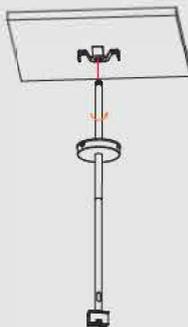
Tighten the clevis by screws.

### Step 3



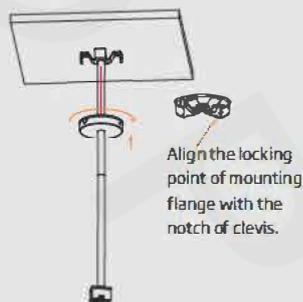
Assemble the mounting flange and the rods in order of ①②③.

### Step 4



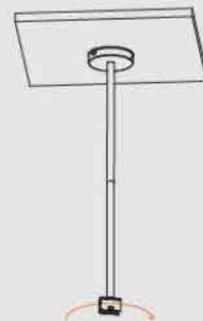
Rotate and fasten them clockwise.

### Step 5



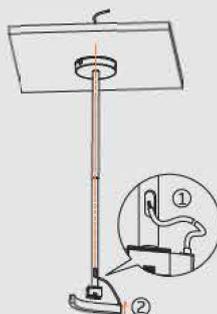
Shield the clevis by the mounting flange and rotate anticlockwise until it clicks into place.

### Step 6



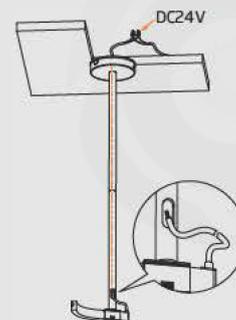
Adjust the clip to the angle you need (max.  $180^\circ$  in a clockwise direction).

### Step 7



- ① Thread the cable through holes to the backside of ceiling.
- ② Install the light to the clip and adjust the cable length.

### Step 8

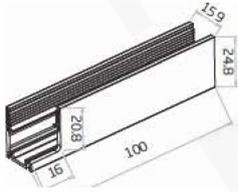


Connect the Power DC24V

# Cable-exit Mounting Clip

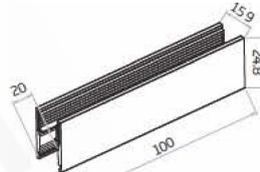
Cable-exit Mounting Clip-Side

Item Code  
S3-SA/PL-SR  
S3-SA/PL-SL



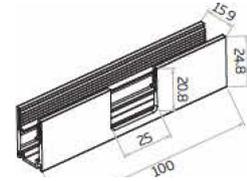
Cable-exit Mounting Clip-Bottom

Item Code  
S3-SA/PL-B



Cable-exit Mounting Clip-Middle Side

Item Code  
S3-SA/PL-MS



**Warning:**  
Cable-exit mounting clip-middle side must be preinstalled for injection-moulded seamless middle connector as protection during transportation.

**Note:**

1. Applicable to single-layer injection-moulded connector with side, or bottom cable entry, whose size can be matched exactly.
2. Allow the cable to exit from gap loosely without over-bending and protect the cable joint from the damage of excessively external force in the process of installation.
3. 10cm/piece, combined with other lengths of mounting profiles to fit the equivalent light length.