



# Aluminum Profile



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

## Dimension: mm



Technical drawing of a U-channel profile. The drawing includes a side view showing the profile's dimensions: a height of 22 mm and a width of 13.8 mm. A 3D perspective view of the profile is also shown to the right.

Tolerance:  $\pm 0.3\text{mm}$

Technical drawing of a 304 stainless steel rod. The drawing shows a side view with dimensions and a cross-section view. The side view dimensions include:  $2-L1$ ,  $(N-1)-L2$ ,  $L \pm 0.5$ ,  $R2$ ,  $10$ ,  $4$ , and  $\phi 5.8 \sim 6.2$ . The cross-section view shows a circular rod with a diameter of  $\phi 5.8 \sim 6.2$  and a central hole with a diameter of  $\phi 2.5 \sim 2.8$ . The hole depth is  $1.3$  and the total length of the rod is  $25$ .

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
F15-A/PL-35MM-AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
F15-A/PL-500MM-AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
F15-A/PL-1000MM-AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
F15-A/PL-2000MM-AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# Flange Aluminum Profile



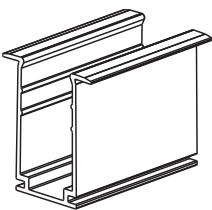
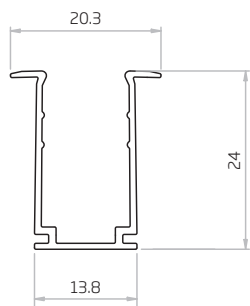
It uses high-quality 6063 aluminum with thin-wall, light- weight design to fit tightly the light body. It is deformation and rust resistant, and cost-effective. The "Flange" design is more suitable for recessed installation, better fits with the mounting groove and minimizes the operation tolerance during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



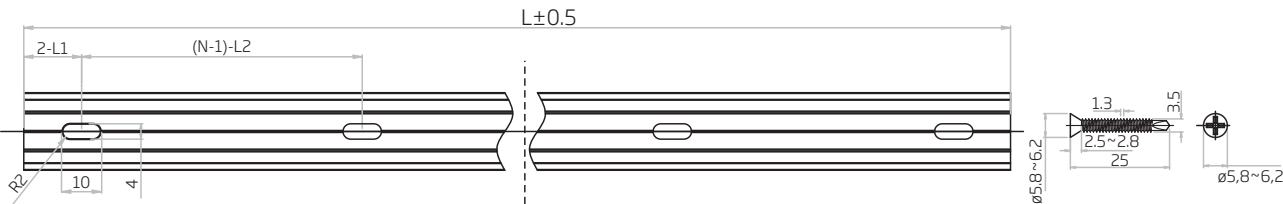
Please refer to the applicable installation ways.

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

## Dimension: mm



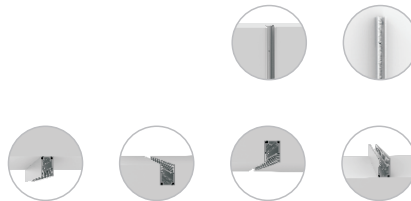
Tolerance:  $\pm 0.3\text{mm}$



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
F15-FA/PL-35MM-AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
F15-FA/PL-500MM-AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
F15-FA/PL-1000MM-AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
F15-FA/PL-2000MM-AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# Serrated Aluminum Profile

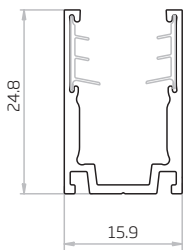


Specialized for the LED Flex Linear light, it was developed by combining the advantages of 6063 aluminum and elastic serrated tape. The inside elastic serrated tape as the grabbing force to keep continuous strong clamping force on the light body and protect the light from the damage caused by the large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

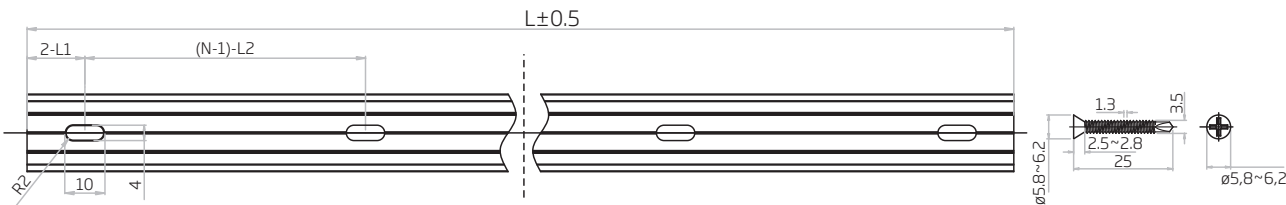
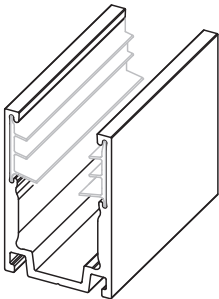
Please refer to the applicable installation ways.

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

## Dimension: mm



Tolerance:  $\pm 0.3\text{mm}$



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
F15-SA/PL-20MM-AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
F15-SA/PL-500MM-AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
F15-SA/PL-1000MM-AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
F15-SA/PL-2000MM-AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# Flange Serrated Aluminum Profile



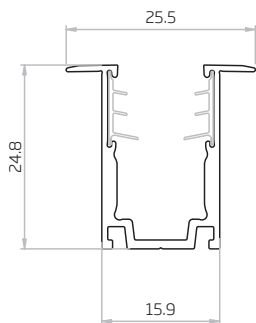
Specialized for the LED Flex Linear light, it was developed by combining the advantages of 6063 aluminum and elastic serrated tape. The inside elastic serrated tape as the grabbing force to keep continuous strong clamping force on the light body and protect the light from the damage caused by the large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

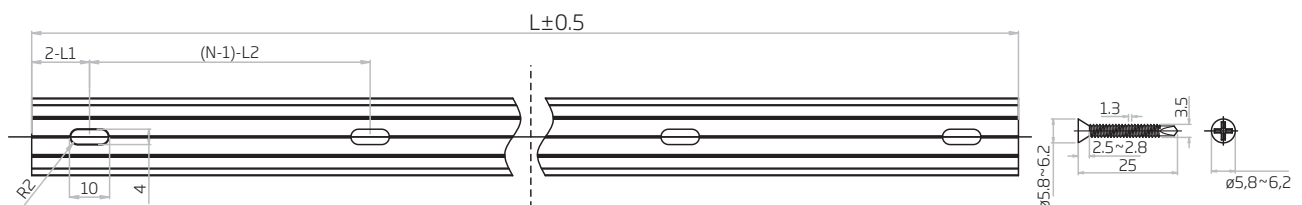
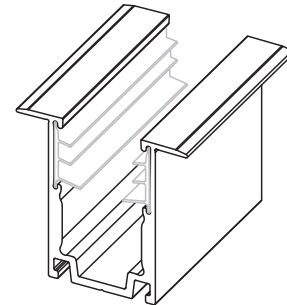
Please refer to the applicable installation ways.

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

## Dimension: mm



Tolerance:  $\pm 0.3\text{mm}$



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
F15-FSA/PL-20MM-AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
F15-FSA/PL-500MM-AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
F15-FSA/PL-1000MM-AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
F15-FSA/PL-2000MM-AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

# F15 Thickened Plastic Profile

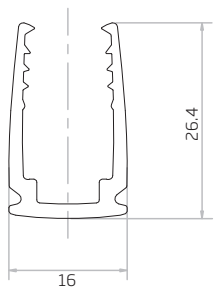


It uses thickened PC profile to 3mm thickness, specialized for underwater application up to 2m depth, and has excellent properties in rust, corrosion and fracture resistance.

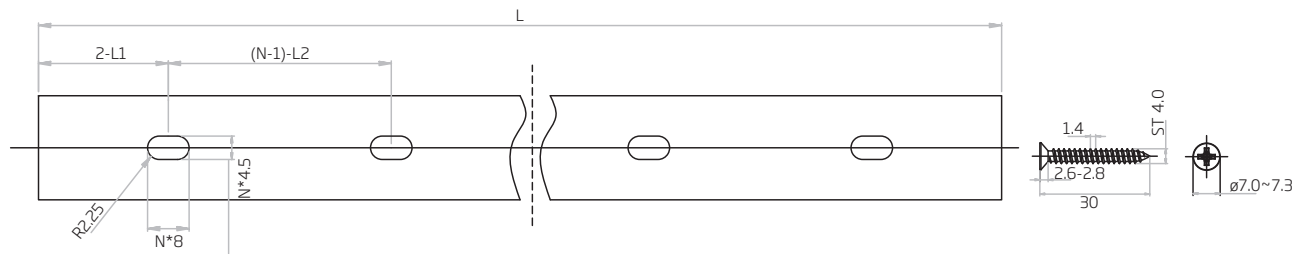
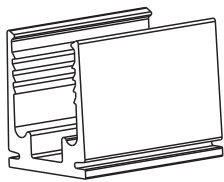
Please refer to the applicable installation ways.

Test Object	No.	Experiment Item	Standard
Mounting profile	1	Clamping force	CLEAR-defined

## Dimension: mm



Tolerance: ±0.5mm



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
F15-TP/PL-35MM-TT	35mm/1.38in	17.5mm/0.69in	/	4.5*8mm/0.18*0.31in	1
F15-TP/PL-500MM-TT	500mm/19.68in	50mm/1.97in	200mm/7.87in	4.5*8mm/0.18*0.31in	3
F15-TP/PL-1000MM-TT	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4.5*8mm/0.18*0.31in	5
F15-TP/PL-2000MM-TT	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4.5*8mm/0.18*0.31in	10

# F15 Stainless Steel Profile

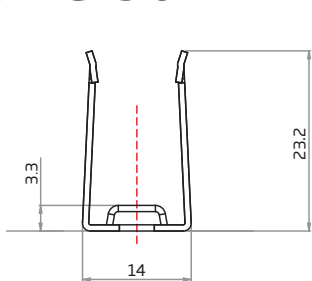


It uses grade 316 stainless steel with excellent property of deformation and rust resistance. The material makes it suitable for humid coastal surroundings and weak acid-base industrial environments that other mounting profiles can't accommodate. The structural design and material characteristics collectively ensure a tight clamping force. It's very convenient and reliable even for suspended installation in the curve shape.

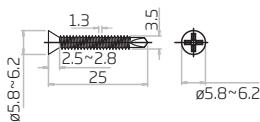
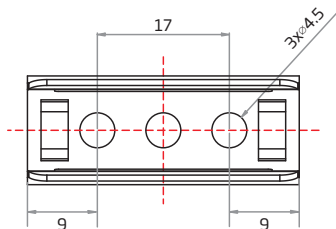
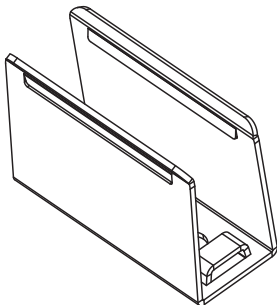
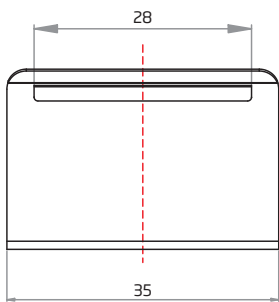
Please refer to the applicable installation ways.

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

## Dimension: mm

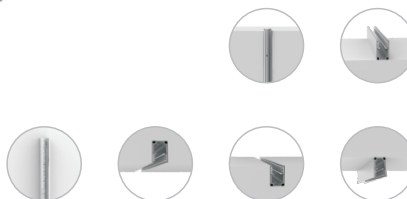
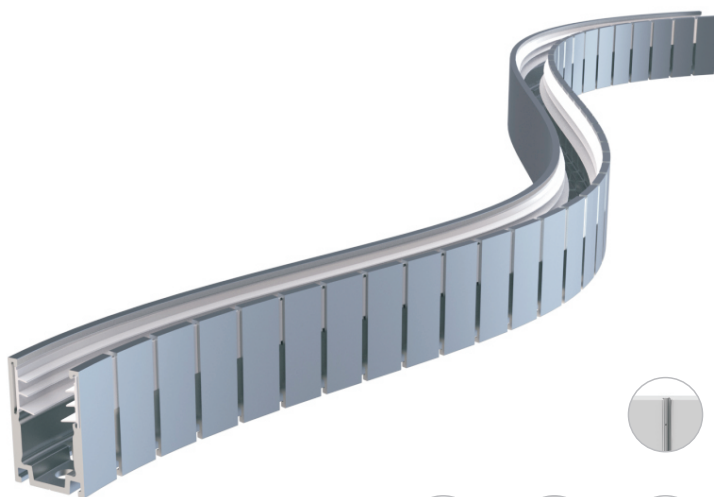


Tolerance: ±0.3mm



Item Code	Standard Length	Screw Hole	Hole Number
F15-SS/PL-35MM-SSL	35mm/1.378in	ø4.5mm/0.18in	3

# Bendable Serrated Aluminum Profile

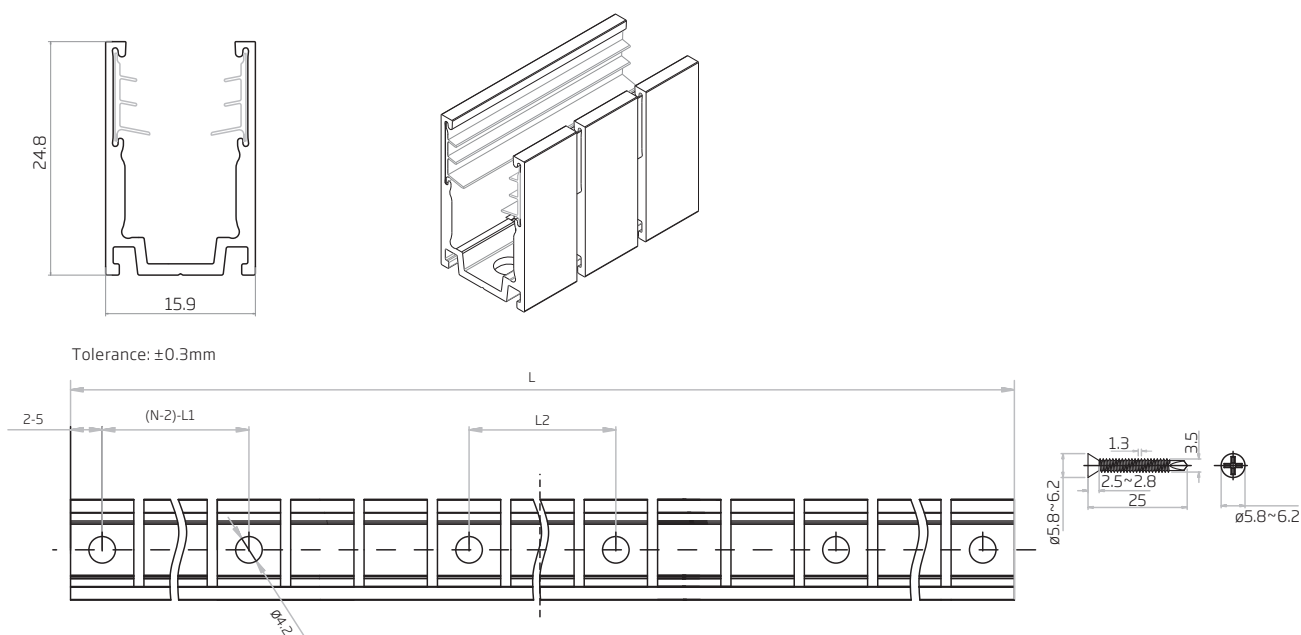


It is an expanded design of the serrated aluminum profile, and caters for the continuously streamlined aesthetics of curve shape. The secondary precision cutting process, not only maintains the advantage of clamping force, but also enables the two-way horizontal bending directions with super shape memory.

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	CLEAR-defined

## Dimension: mm

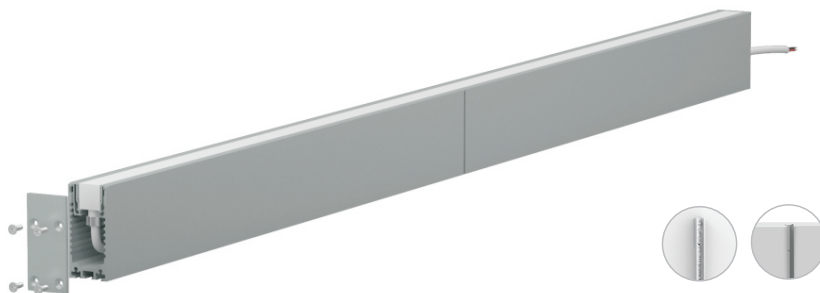


### Note:

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
F15-BSA/PL-500MM-AL	500mm/19.68in	110.3mm/4.34in	48.9mm/1.92in	ø4.2mm/0.17in	6
F15-BSA/PL-1000MM-AL	1000mm/39.37in	111.4mm/4.39in	98.8mm/3.89in	ø4.2mm/0.17in	10

# F15 Surface-mounted Raceway Aluminum Profile



It is an expanded design of the serrated aluminum profile featuring hidden cable upon the advantage of 6063 aluminum profile.

The raceway space is up to 570mm<sup>2</sup>, enough to conceal injection-moulded connector with bottom feed and the general male/female connectors.

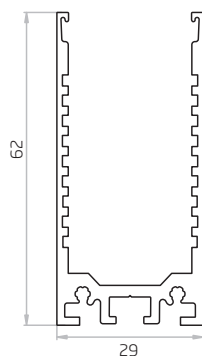
It is superb for the facade where tidiness is required and the scenarios that lack of space for wiring.



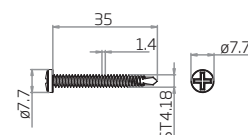
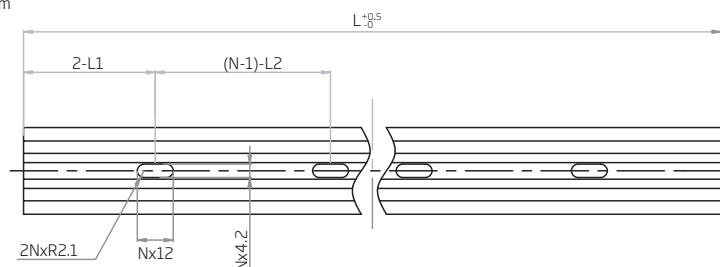
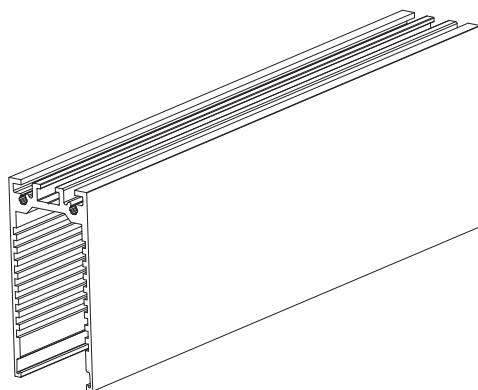
Please refer to the applicable installation ways.

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

## Dimension: mm



Tolerance:  $\pm 0.3\text{mm}$



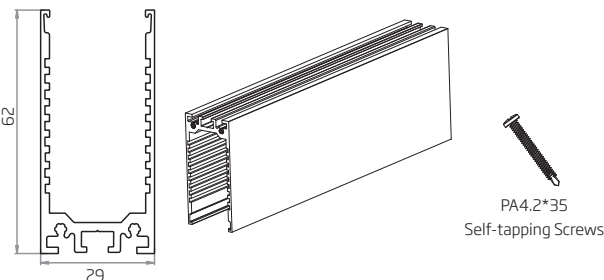
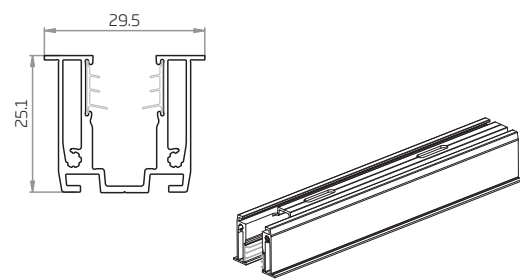
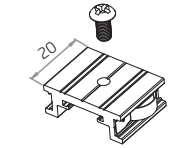
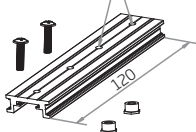
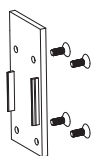
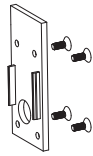
### Note:

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

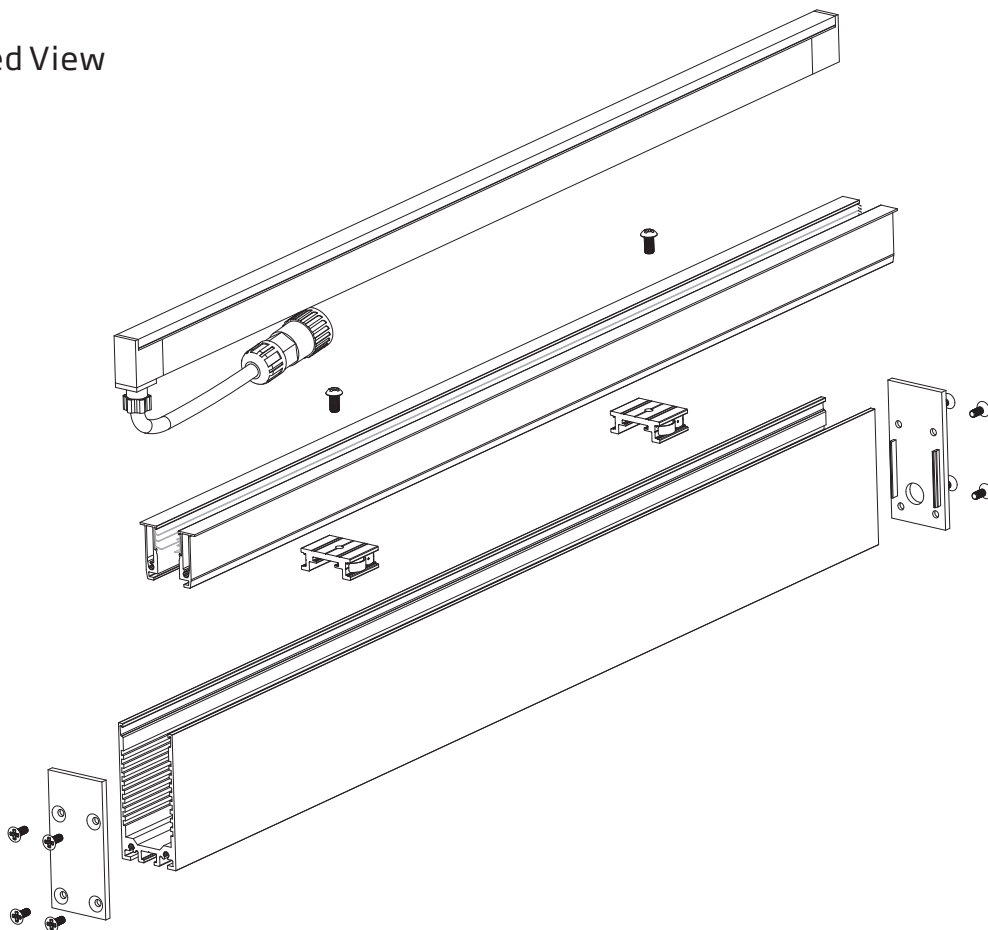
Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
F15-SMR/PL-500MM-AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4.5*12mm/0.18*0.47in	3
F15-SMR/PL-1000MM-AL	1000mm/39.37in	100mm/3.94in	200mm/7.87in	4.5*12mm/0.18*0.47in	5
F15-SMR/PL-2000MM-AL	2000mm/78.74in	100mm/3.94in	200mm/7.87in	4.5*12mm/0.18*0.47in	10

## F15 Surface-mounted Raceway Aluminum Profile

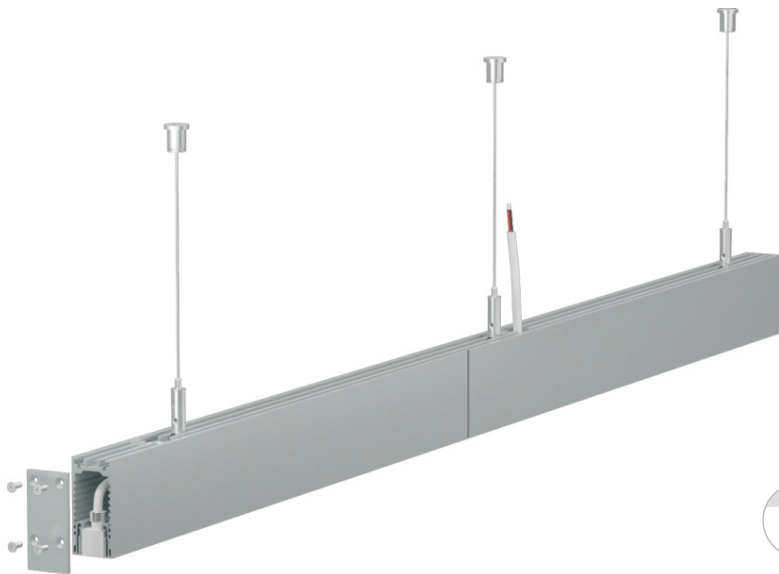
## Main Components

Outer Aluminum Profile		Inner Aluminum Profile	
 <p>62</p> <p>29</p> <p>PA4.2*35 Self-tapping Screws</p>		 <p>29.5</p> <p>25.1</p>	
Retaining Bracket for Inner and Outer Profiles	Joining Bracket for Outer Profiles	End Cover	End Cover with Cable Hole
 <p>20</p> <p>26.5</p> <p>10.2</p> <p>PM4*6 Screws</p>	<p>No screws here</p>  <p>120</p> <p>26.5</p> <p>10.2</p> <p>PMW4*18 Screws, BSOS-M4*5 Self-clinching Standoffs</p>	 <p>10.2</p> <p>26.5</p> <p>KM3*8 Screws</p>	 <p>10.2</p> <p>26.5</p> <p>KM3*8 Screws</p>

## Exploded View



# F15 Suspended Raceway Aluminum Profile



It is an expanded design of the serrated aluminum profile featuring hidden cable upon the advantage of 6063 aluminum profile.

The raceway space is up to 570mm<sup>2</sup>, enough to conceal injection-moulded connector with bottom feed and the general male/female connectors.

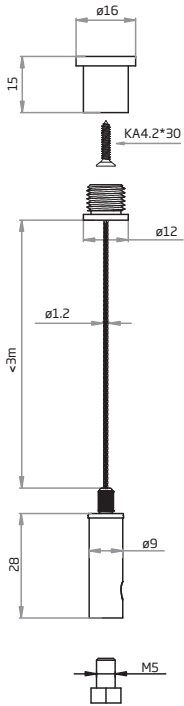
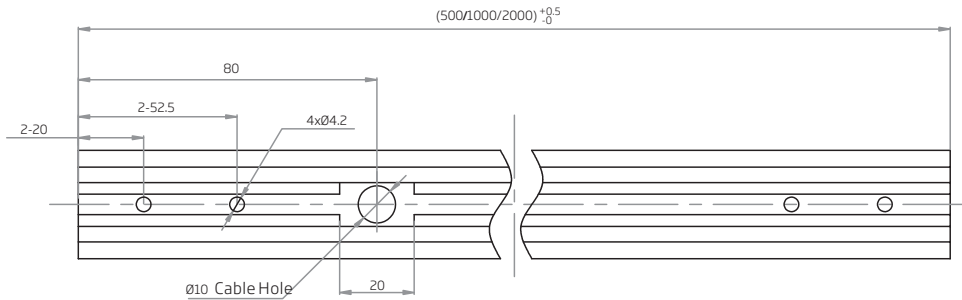
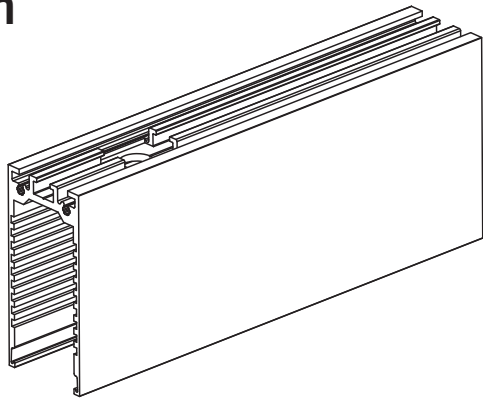
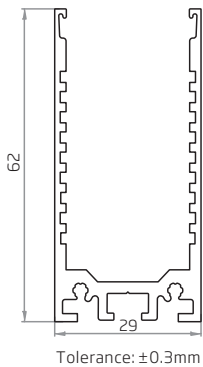
It is superb for the facade where tidiness is required and the scenarios that lack of space for wiring.



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	CLEAR-defined

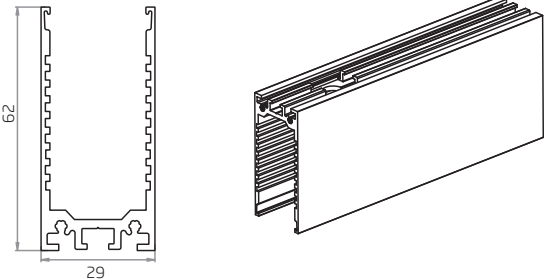
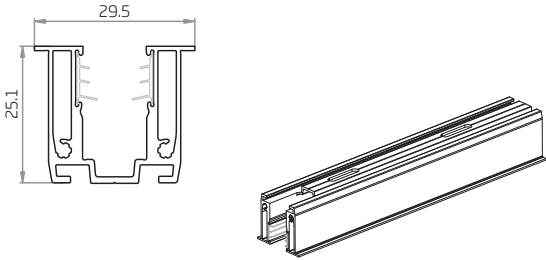

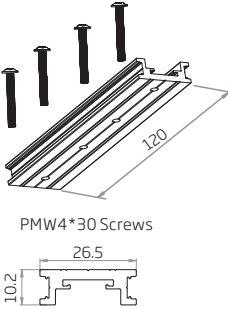
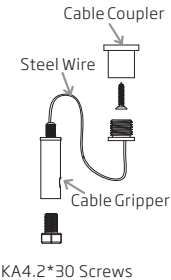
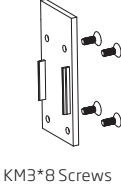

## Dimension: mm



Item Code	Standard Length
F15-SR/PL-500MM-AL	500mm/19.68in
F15-SR/PL-1000MM-AL	1000mm/39.37in
F15-SR/PL-2000MM-AL	2000mm/78.74in

# F15 Suspended Raceway Aluminum Profile

## Main Components

Outer Aluminum Profile		Inner Aluminum Profile		
				
Retaining Bracket for Inner and Outer Profiles	Joining Bracket for Outer Profiles	Suspended Ceiling Kit	End Cover	Rubber Grommet
 <p>PM4*6 Screws</p>	 <p>PMW4*30 Screws</p>	 <p>Cable Coupler</p> <p>Steel Wire</p> <p>Cable Gripper</p> <p>KA4.2*30 Screws</p>	 <p>KM3*8 Screws</p>	

## Exploded View

