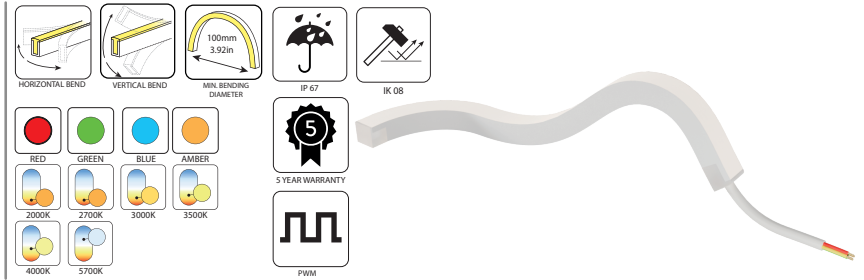


FXN 1010 | FLEXIBLE NEON

The FXN 1010 is a high-performance flexible LED lighting solution for architectural and commercial applications. With a wide range of colour temperatures and single static colour output, it seamlessly integrates into architectural lighting projects.

Made from silicone, the FXN 1010 is engineered for reliability with IP67 water resistance.

Easy to install and built to last, it deliver smooth, uniform illumination for bold and versatile lighting designs.



PART NUMBER CONFIGURATOR

Prefix	Model	LED Colour	Control	Bending Direction	Voltage	Power	CRI	Connectors	Mounting Profiles	Brackets
FXN	1010	R G B A W – 22K W – 27K W – 30K W – 35K W – 40K W – 57K	P – PWM	VB – Verical Bend HB – Horizontal Bend	24 – 24VC DC	4.5 – 4.5W 9 – 9W	80 90 95	SWC – Swivel Connector SOC – Socket Connector SIMC – Silicone injection-moulded Connector	AL – Aluminium Profile FAL – Flange Aluminium Profile SAP – Serrated Aluminium Profile FSAP – Flange Serrated Aluminium Profile BSAP – Bendable Serrated Aluminium Profile BA – Bendable Anole Profile	PV – Pivot Mounting Bracket RL – Rotary Locking Bracket SM – Side Mounting Bracket JB – Joining Bracket

SPECIFICATIONS

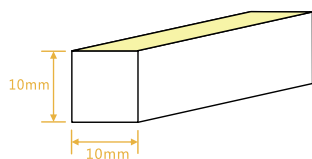
Example: FXN – 1010 – W57K – P – VB – 24 – 4.5 – 90 – SWC – AL – PV

Electrical	Power Consumption Operating Voltage Installation Temperature Operating Temperature Storage Temperature	4.5W/m (R,G,B,A,W), 9W/m (R,G,B,A,W) 24V DC -40°C TO 50°C -40°C TO 65°C -40°C TO 60°C
Physical	Dimensions Bending Housing / Lens Weight/m IK Rating IP Rating Min. Cutting Unit Min. Cutting Length Min. Bending Diameter Unit/m (Pixel Qty/m) Connectors Mounting Profiles Mounting Brackets	L: 1000mm – H: 10mm – W: 10mm Vertical Bending / Horizontal Bending Silicone 260g IK08 IP67 with injection moulded connectors 12LEDs(1unit) 83.3mm(1unit) 100mm N/A Swivel Connector, Socket Connector, Silicone Injection-moulded Aluminium Profile, Flange Aluminium Profile, Serrated Aluminium Profile, Bendable Serrated Aluminium Profile, Bendable Anole Profile Pivot Mounting Bracket, Rotary Locking Bracket, Side Mounting Bracket, Joining Bracket
Optical	Beam Angle Colour Range LED Qty/m LED Type LED Distance Total Lumens	120° R, G, B, A, White (2200K, 2700K, 3000K, 3500K, 4000K, 5700K) 144LEDs EPISTAR SMD LED 13.89mm <440lm/m
Diming & Control	Control Protocols	PWM
Fixture Rating & Certifications	UL LISTED, CE RoHS COMPLIANT	  
Limited Warranty	5Years	Extendable Warranty Available

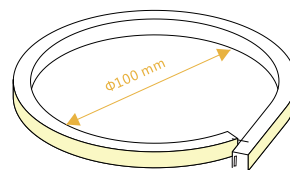
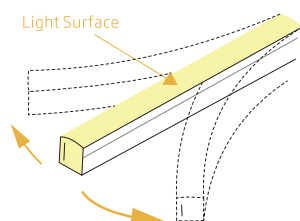
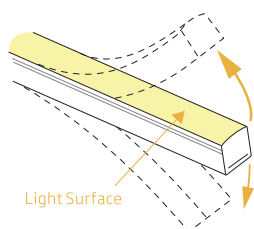
FXN 1010 | FLEXIBLE NEON

DIMENSIONS & BENDING

Dimensions of Light



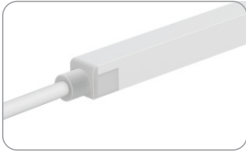
Minimum Bending Diameter



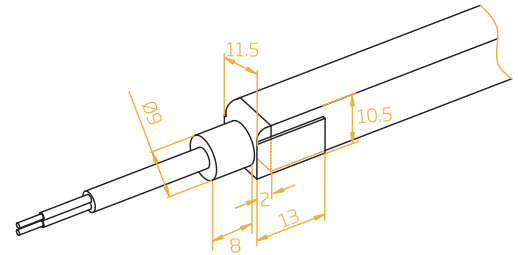
FXN 1010 | FLEXIBLE NEON CONNECTORS

Silicone Injection-moulded Connector IP67

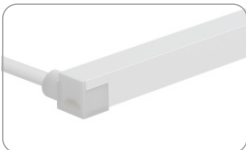
Silicone Injection-moulded Front Connector-End



FXN - 1010 - C - S - IM - FE



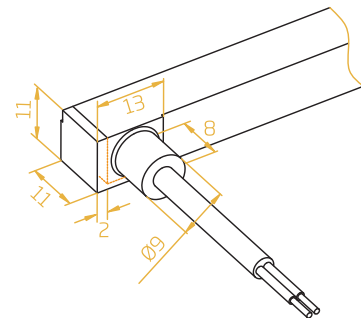
Silicone Injection-moulded Front Connector Side



FXN - 1010 - C - S - IM - FSL



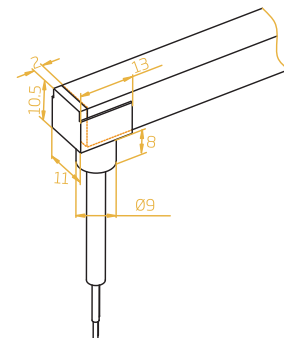
FXN - 1010 - C - S - IM - FSR



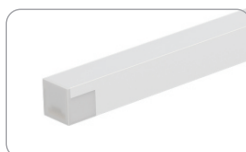
Silicone Injection-moulded Front Connector Bottom



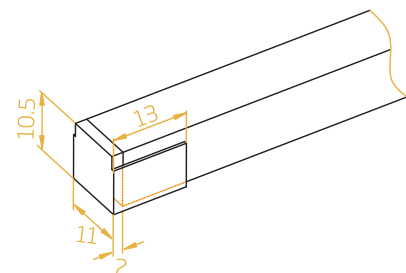
FXN - 1010 - C - S - IM - FB



Silicone Injection-moulded End Cap



FXN - 1010 - C - S - IM - EC



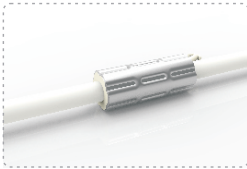
Note:

1. Unless otherwise stated, the tolerance of the connector is $\pm 0.5\text{mm}$
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

FXN 1010 | FLEXIBLE NEON CONNECTORS

Silicone Injection-moulded Connector IP67

Anti-wicking Ferrule

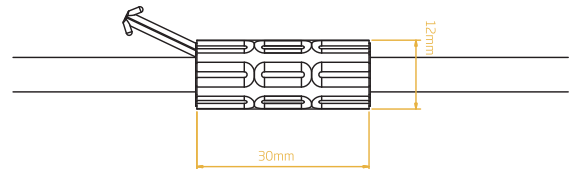


The anti-wicking ferrule is located at 115mm (±10mm tolerance) from the connector on the cable.

For protection against water ingress from inside of cable wire and hence damage the light.

Note:

1. Unless otherwise stated, the tolerance is ±0.5mm.
2. The removal of anti-wicking ferrule will void the warranty if any water ingress caused by it.



Male & Female Connector

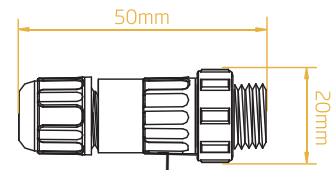


For plug and play cable junction, IP67.

FXN – 1010 – MC / FXN – 1010 – FC

Note:

Unless otherwise stated, the tolerance is ±2mm.



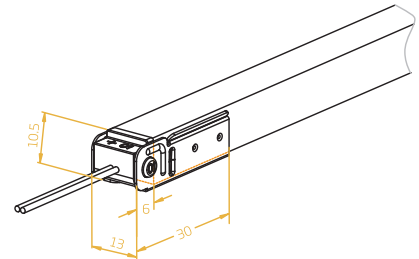
FXN 1010 | FLEXIBLE NEON CONNECTORS

Swivel Connector IP20

Swivel Front Connector



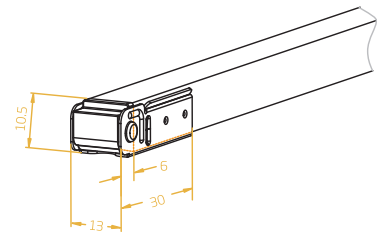
FXN – 1010 – C – SW – F



Swivel End Cap



FXN – 1010 – C – SW – EC



Note:

1. Unless otherwise stated, the tolerance of the connector is $\pm 0.5\text{mm}$
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

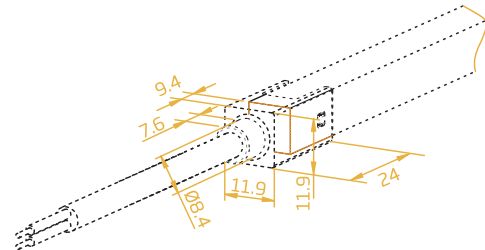
FXN 1010 | FLEXIBLE NEON CONNECTORS

Socket Conector IP65

Socket Front Connector



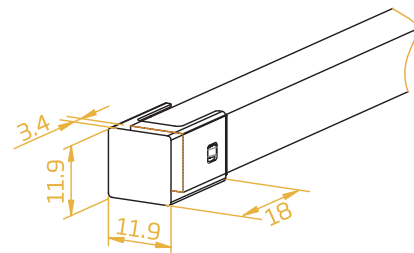
FXN - 1010 - C - SO - F



Socket End Cap



FXN - 1010 - C - SO - EC



Note:

1. Unless otherwise stated, the tolerance of the connector is $\pm 0.5\text{mm}$
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

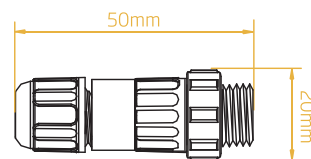
Male & Female Connector



For plug and play cable junction, IP67.

FXN - 1010 - MC / FXN - 1010 - FC

Note:
Unless otherwise stated, the tolerance is $\pm 2\text{mm}$.



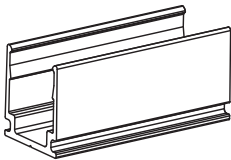
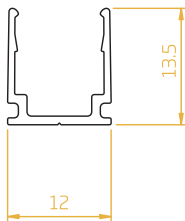
FXN 1010 | FLEXIBLE NEON

MOUNTING PROFILES

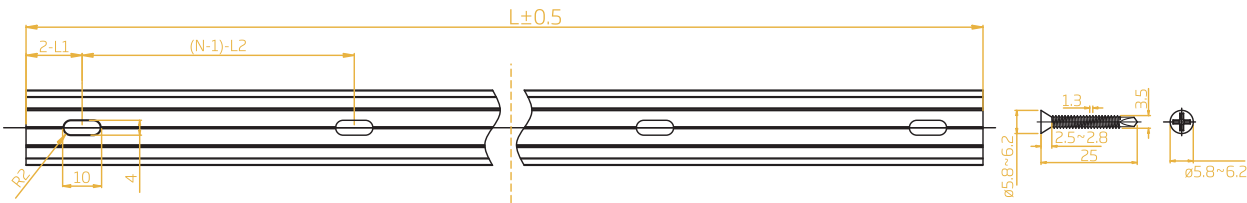
Aluminium Profile



Dimensions: mm



Tolerance: ±0.3mm



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.

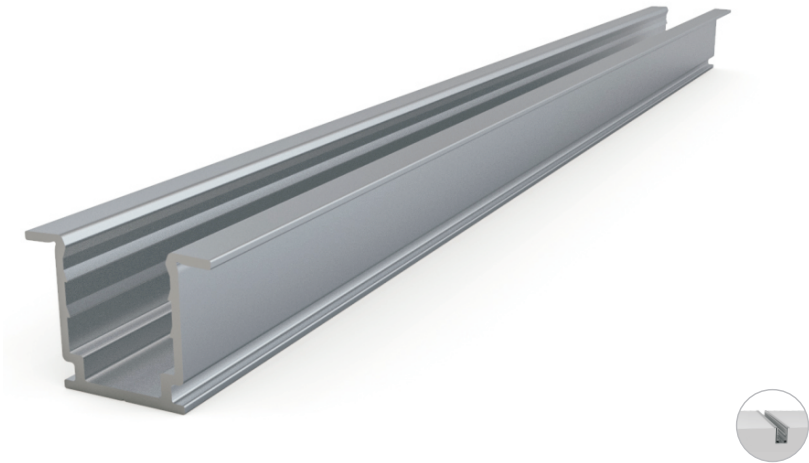
"N" hereby stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1010 - A/PL - 35MM - AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
FXN - 1010 - A/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1010 - A/PL - 1000MM - AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1010 - A/PL - 2000MM - AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

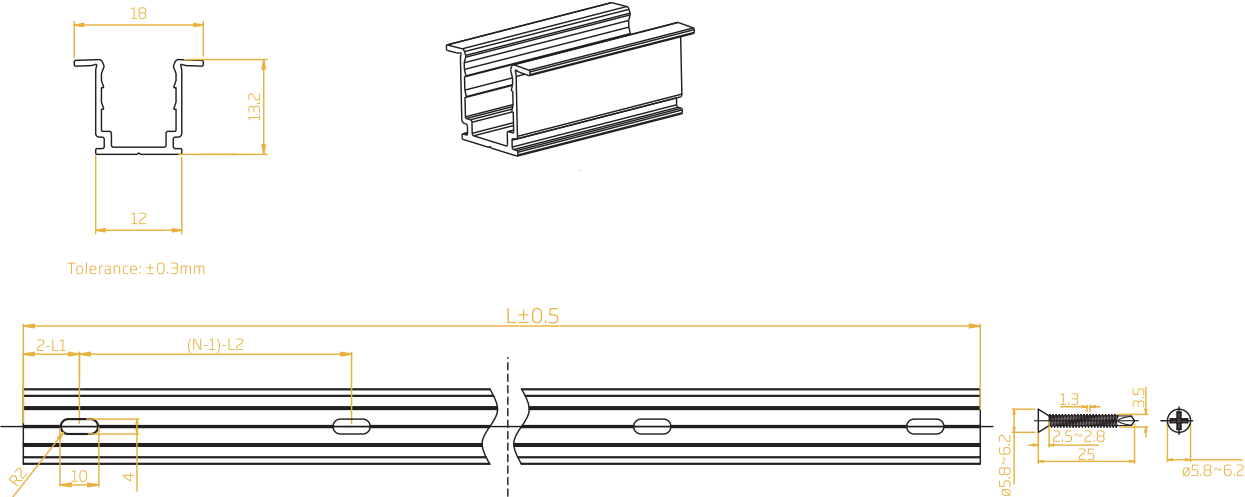
FXN 1010 | FLEXIBLE NEON

MOUNTING PROFILES

Flange Aluminium Profile



Dimensions: mm



Note:

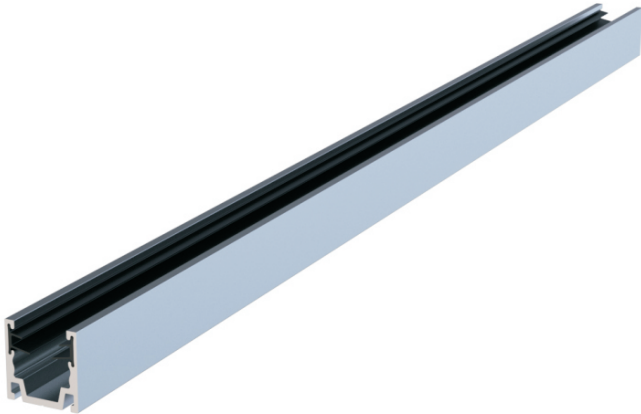
- 2-L1 refers to two of symmetric L1 in each piece of profile.
- (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile.

"N" hereby stands for its corresponding "Hole Number" in the below table

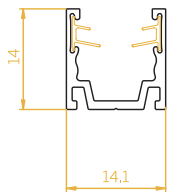
Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1010 - FA/PL - 35MM - AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
FXN - 1010 - FA/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1010 - FA/PL - 1000MM - AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1010 - FA/PL - 2000MM - AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

FXN 1010 | FLEXIBLE NEON
MOUNTING PROFILES

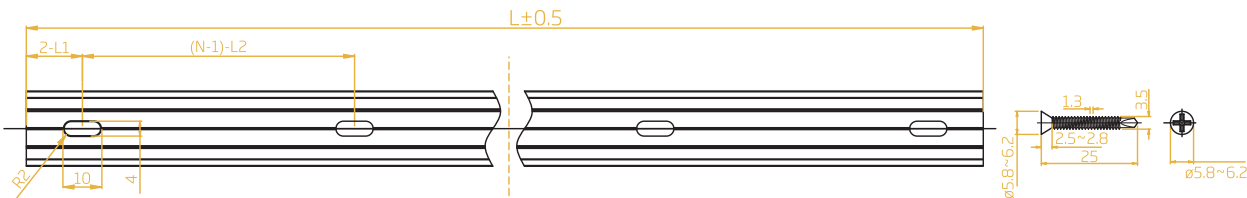
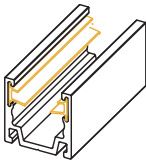
Serrated Aluminium Profile



Dimensions: mm



Tolerance: ±0.3mm

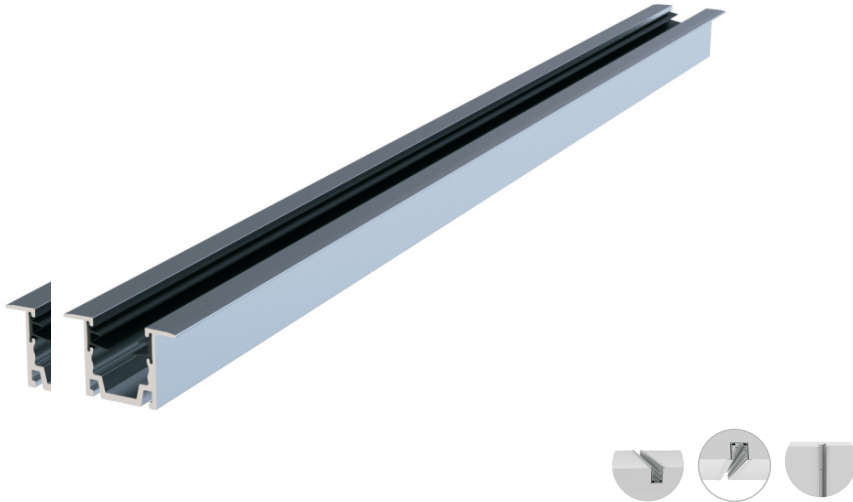


Note:
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile.
"N" herbey stands for its corresponding "Hole Number" in the below table

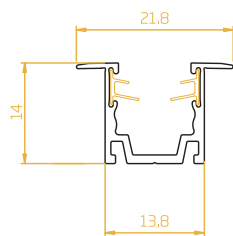
Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1010 - SA/PL - 20MM - AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
FXN - 1010 - SA/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1010 - SA/PL - 1000MM - AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1010 - SA/PL - 2000MM - AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

FXN 1010 | FLEXIBLE NEON MOUNTING PROFILES

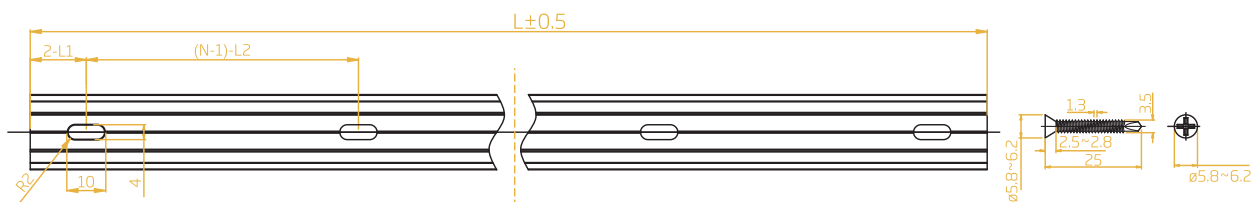
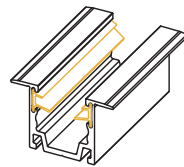
Flange Serrated Aluminium Profile



Dimensions: mm



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



Note:

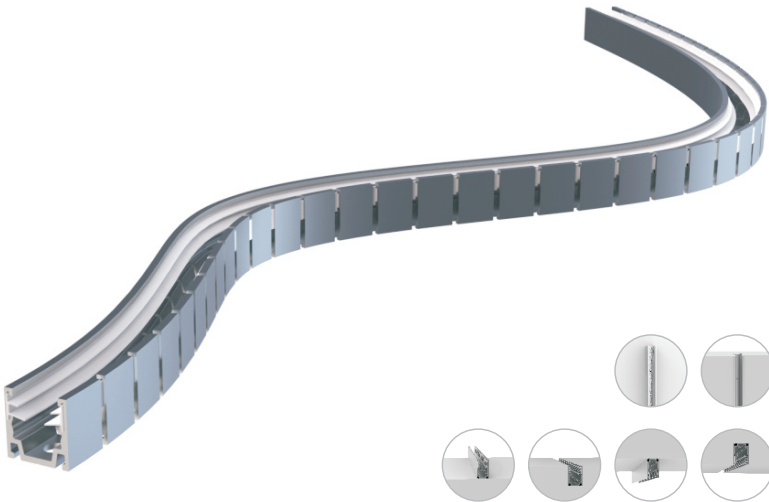
- 2-L1 refers to two of symmetric L1 in each piece of profile.
 - (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile.
- "N" hereby stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1010 - FSA/PL - 20MM - AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
FXN - 1010 - FSA/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1010 - FSA/PL - 1000MM - AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1010 - FSA/PL - 2000MM - AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

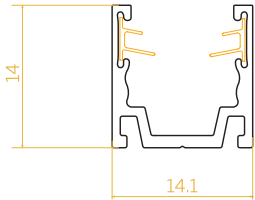
FXN 1010 | FLEXIBLE NEON

MOUNTING PROFILES

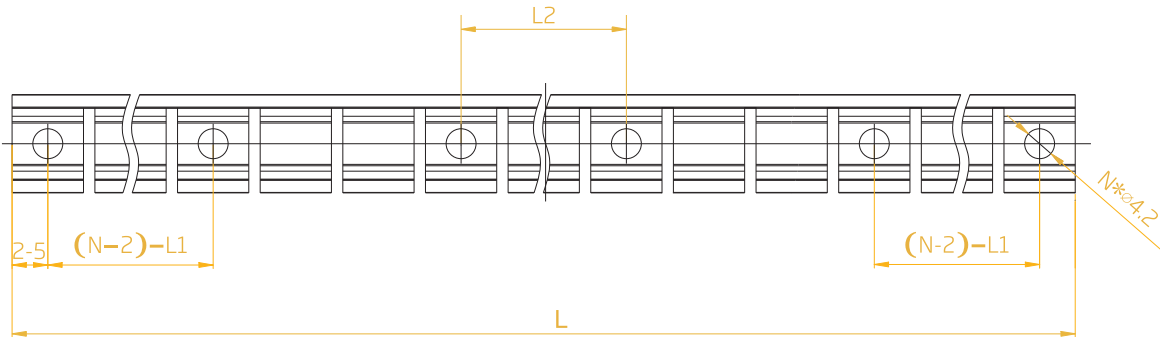
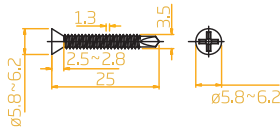
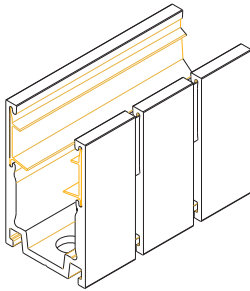
Bendable Serrated Aluminium Profile



Dimensions: mm



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



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
FXN - 1010 - BSA/PL - 500MM - AL	500mm/19.68in	110.3mm/4.34in	48.9mm/1.92in	4.2mm/0.17in	6
FXN - 1010 - BSA/PL - 1000MM - AL	1000mm/39.37in	111.4mm/4.39in	98.8mm/3.89in	4.2mm/0.17in	10

FXN 2219 | FLEXIBLE NEON

MOUNTING PROFILES

Bendable Anole Profile



30+
Times
Clamping Force



Kids
Friendly



Solvents
Resistant



Saltwater
Resistant



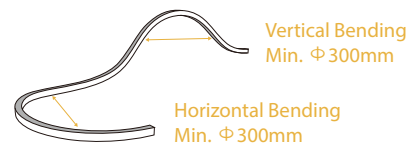
UV
Resistant



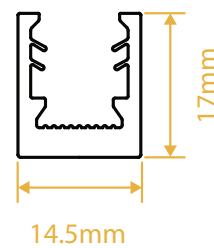
Flame
Resistant

FXN - 1010 - BA/PL - 5MM - A
FXN - 1010 - BA/PL - 110MM - A
FXN - 1010 - BA/PL - 200MM - A
FXN - 1010 - BA/PL - 500MM - A
FXN - 1010 - BA/PL - 1000MM - A

APPEARANCE COLOR



Dimension

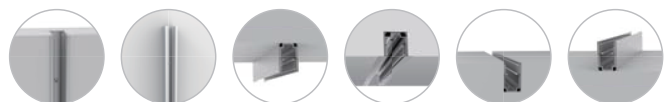


Tolerance: $\pm 0.3\text{mm}$

Standard Length

55mm, 110mm, 200mm, 500mm, 1000mm

Installation Methods



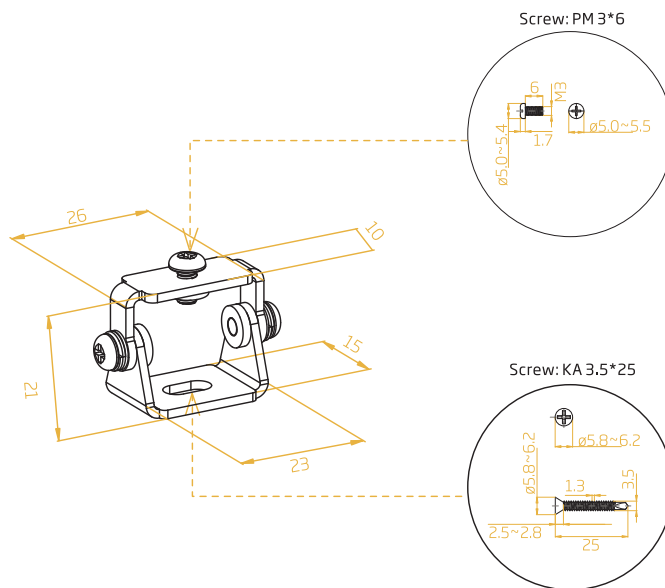
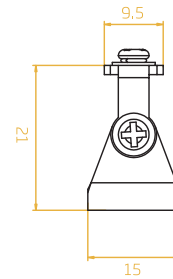
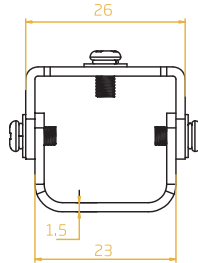
FXN 1010 | FLEXIBLE NEON

BRACKETS

Pivot Mounting Bracket



Item Code: FXN - 1010 - B - PM



Note:
Applicable to all types of mounting profiles



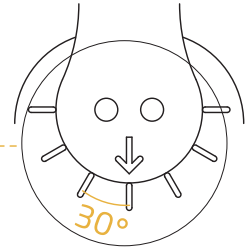
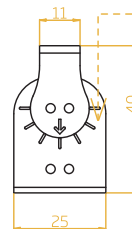
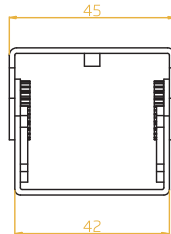
FXN 1010 | FLEXIBLE NEON

BRACKETS

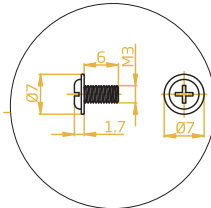
Rotary Locking Bracket



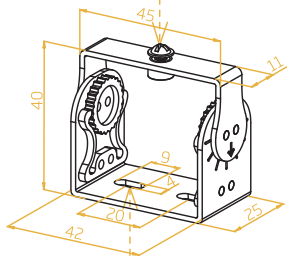
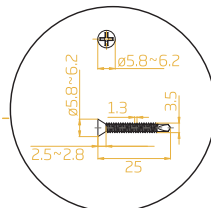
Item Code: FXN – 1010 – B – RL



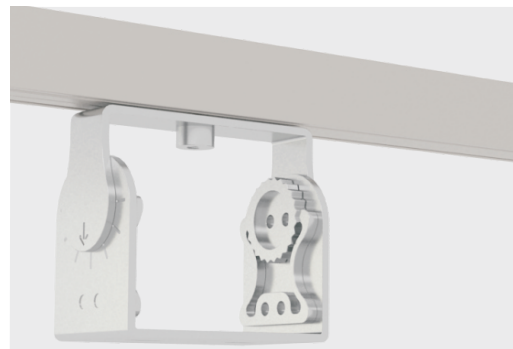
Screw: PWM3*6 1PC



Screw: KA 3.5*25 2PCS



Note:
Applicable to all types of mounting profiles



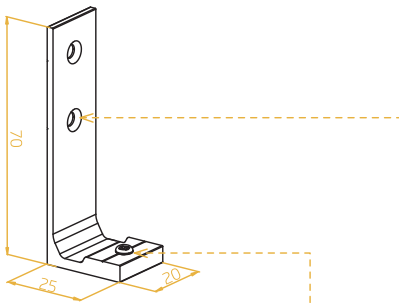
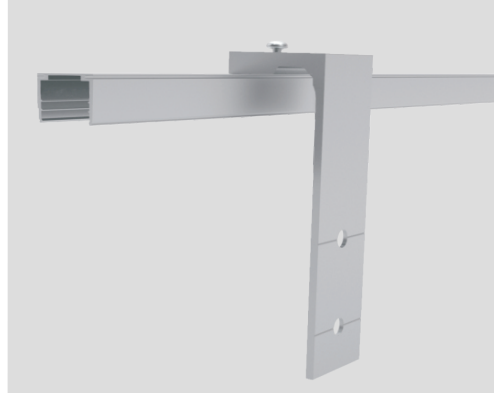
FXN 1010 | FLEXIBLE NEON

BRACKETS

Side Mounting Brakcet

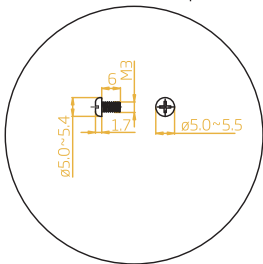


Item Code: FXN - 1010 - B - SM

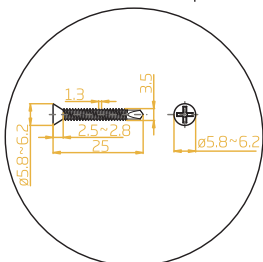


Note:
Applicable to all types of mounting profiles

Screw PM 3*6 1pc



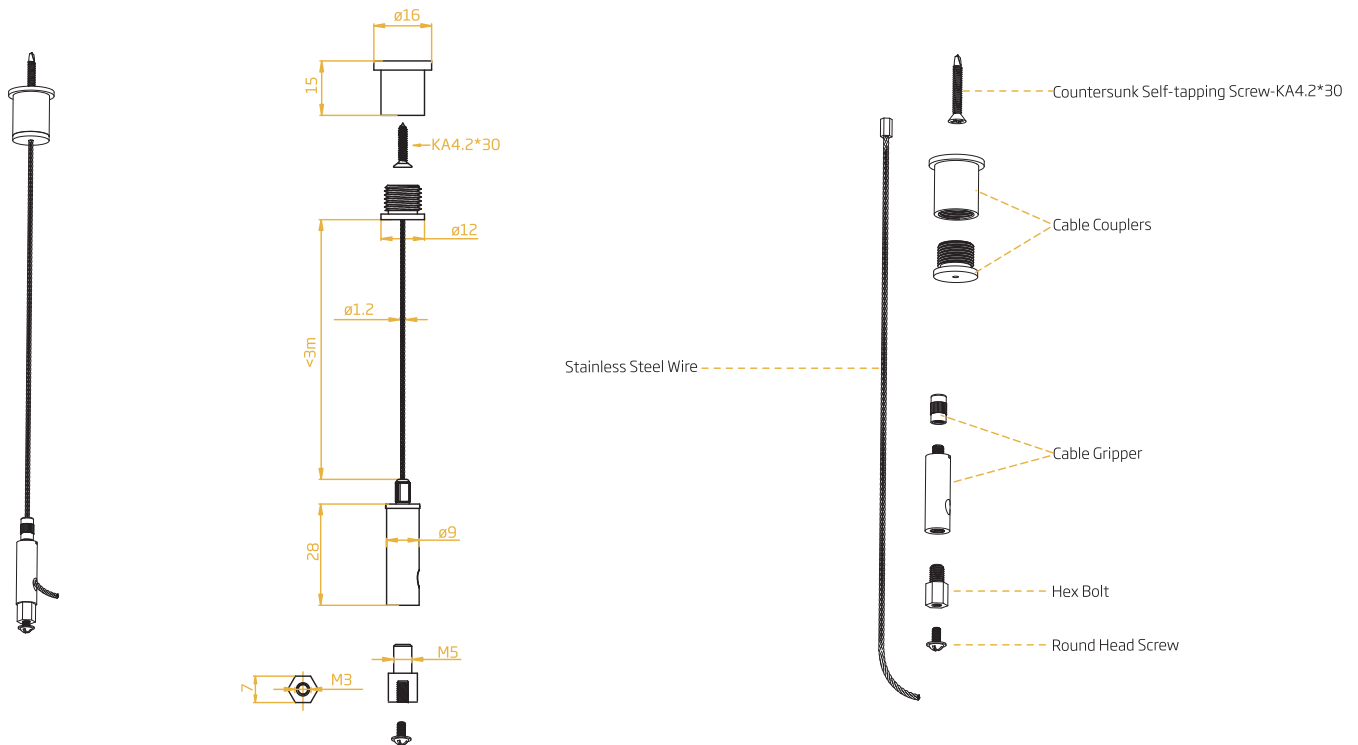
Screw KA3.5*25 2pcs



FXN 1010 | FLEXIBLE NEON

WIRE

Suspended Mounting Wire



Item Code: FXN – 1010 – W – SM

Note:

Applicable to serrated aluminium profile.

2 sets of stainless steel wires are offered to pair with
1 piece of 1m serrated aluminium profile.

3 sets of stainless steel wires are offered to pair with 1 piece of 2m serrated aluminium profile.

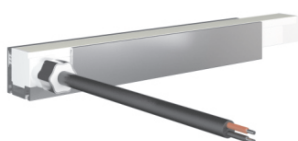
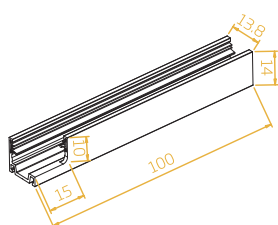


FXN 1010 | FLEXIBLE NEON

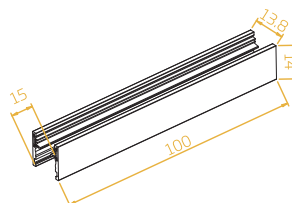
CLIP

Cable-exit Mounting Clip

Cable-exit Mounting Clip-Side



Cable-exit Mounting Clip-Bottom



Item Code: FXN – 1010 – C – CEM

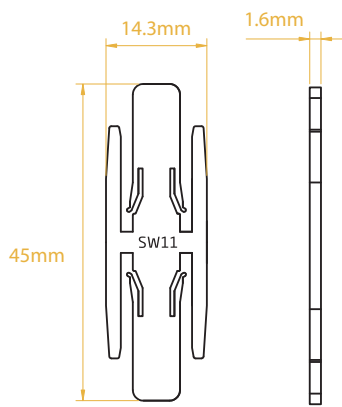
Warning:
Cable-exit mounting clip-middle side must be preinstalled for injection-moulded seamless middle connector as protection during transportation.

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, combines with other lengths of mounting profiles to fit the equivalent length.

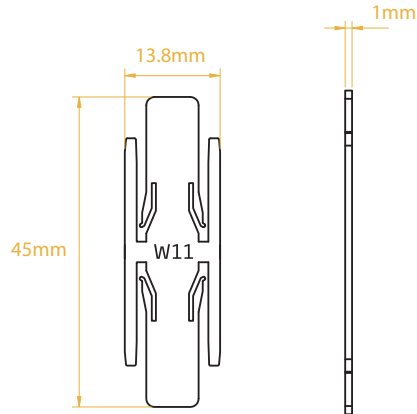
FXN 1010 | FLEXIBLE NEON BRACKETS

Joining Bracket



Note: Applicable to serrated aluminium profile.

Item Code: FXN - 1010 - B - J



Note: Applicable to aluminium profile.

