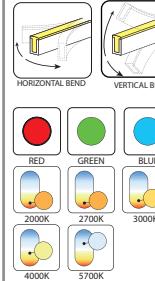


# FXN 1010 | FLEXIBLE NEON

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	WhiteCCT	Control	Bending Direction	Power	Voltage	LEDs Qty/m	Min. Cutting Length (mm)
FXN	1010	R – Red G – Green B – Blue A – Amber W – White (22K-57K)	22K – 2200K 27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 57K – 5700K	P – PWM	VB – Vertical Bend HB – Horizontal Bend	4.5 – 4.5W 9 – 9W	24 – 24V DC	144 – 144LEDs/m	83.3 – 83.3mm

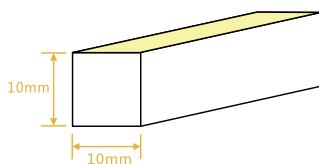
Example: FXN – 1010 – W – 57K – P – HB – 9 – 24 – 144 – 83.3

## SPECIFICATIONS

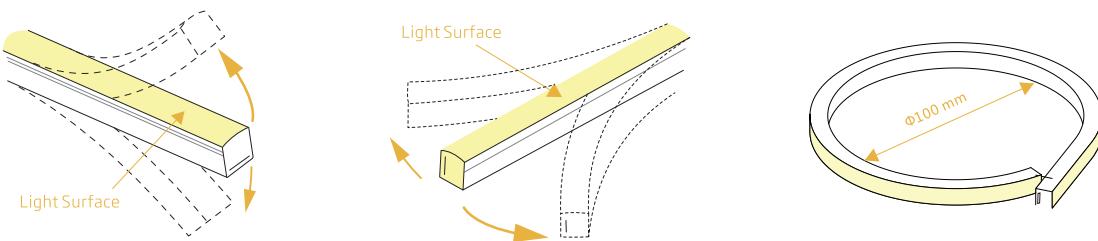
Electrical	Power Consumption Operating Voltage Installation Temperature Operating Temperature Storage Temperature Current (mA/m)	4.5W/m (R, G, B, A, W), 9W/m (W) 24V DC -40°C TO 50°C -40°C TO 65°C -40°C TO 60°C 187.5 (R, G, B, A, W), 375.0 (W)
Physical	Dimensions Bending Housing / Lens Weight/m IK Rating IP Rating LEDs Qty/unit LEDs Qty/m 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/unit 144LEDs/m 83.3mm 100mm N/A Swivel Connector, Socket Connector, Silicone Injection-moulded Aluminium Profile, Flange Aluminium Profile, Serrated Aluminium Profile, Flange 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 Type LED Distance Total Lumens	120° R, G, B, A, White (2200K, 2700K, 3000K, 3500K, 4000K, 5700K) EPISTAR SMD LED 13.89mm <440lm/m
Dimming & 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

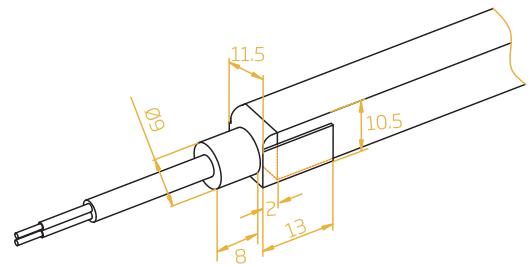
## CONNECTORS

Silicone Injection-moulded Connector IP67

Silicone Injection-moulded Front Connector-End



FXN - 1010 - C - S - IM - FE



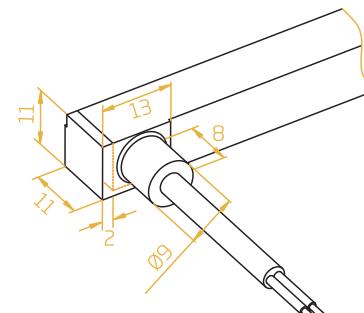
Silicone Injection-moulded Front Connector Side



FXN - 1010 - C - S - IM - FSL



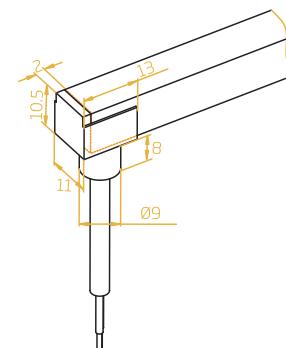
FXN - 1010 - C - S - IM - FSR



Silicone Injection-moulded Front Connector Bottom



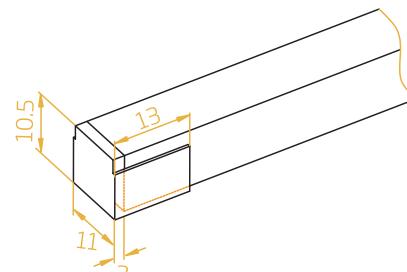
FXN - 1010 - C - S - IM - FB



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

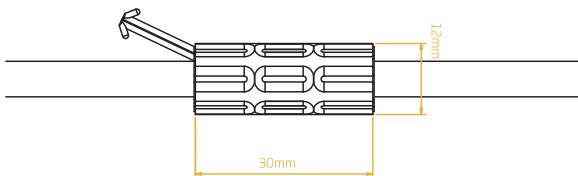
Silicone Injection-moulded Connector IP67

Anti-wicking Ferrule



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

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



Note:

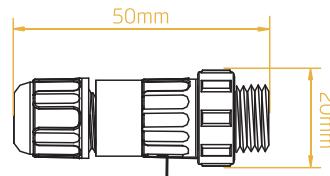
1. Unless otherwise stated, the tolerance is  $\pm 0.5$ mm.
2. The removal of anti-wicking ferrule will void the warranty if any water ingressation caused by it.

## Male &amp; Female Connector



For plug and play cable junction, IP67.

FXN - 1010 - MC / FXN - 1010 - FC



Note:

Unless otherwise stated, the tolerance is  $\pm 2$ mm.

## FXN 1010|FLEXIBLE NEON

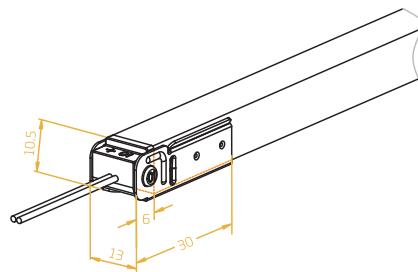
## CONNECTORS

## Swivel Connector IP20

Swivel Front Connector



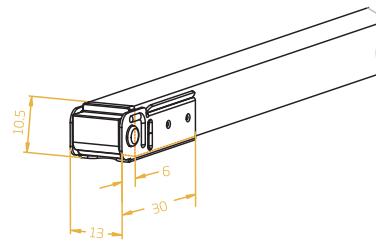
FXN - 1010 - C - SW - F



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

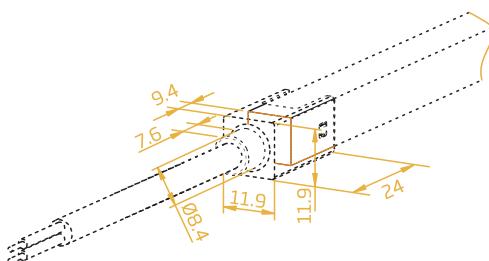
## CONNECTORS

Socket Conector IP65

## Socket Front Connector



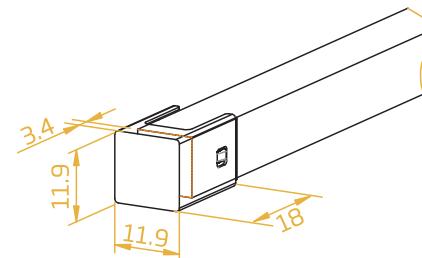
FXN - 1010 - C - SO - F



## Socket End Cap



FXN - 1010 - C - SO - EC



## Note:

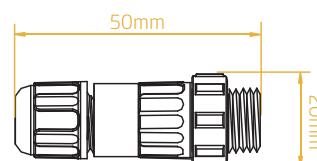
1. Unless otherwise stated, the tolerance of the connector is  $\pm 0.5\text{mm}$
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

## Male &amp; Female Connector



For plug and play cable junction, IP67.

FXN - 1010 - MC / FXN - 1010 - FC



## Note:

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

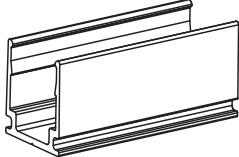
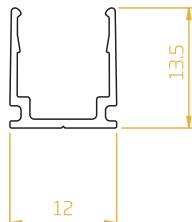
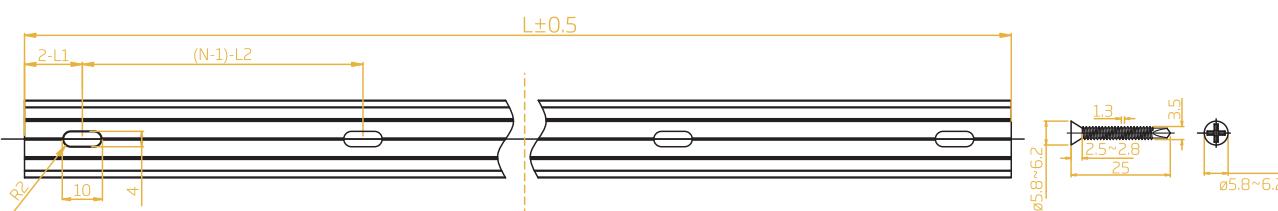
## FXN 1010|FLEXIBLE NEON

## MOUNTING PROFILES

## Aluminium Profile



Dimensions: mm

Tolerance:  $\pm 0.3$ 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 - 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

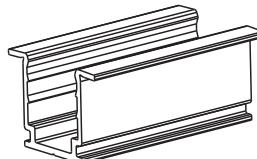
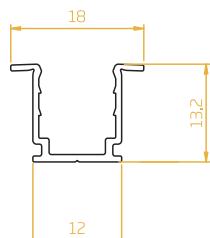
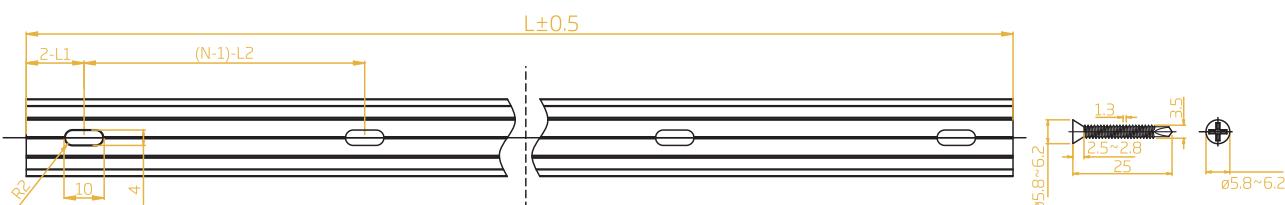
## FXN 1010|FLEXIBLE NEON

## MOUNTING PROFILES

## Flange Aluminium Profile



Dimensions: mm

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
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

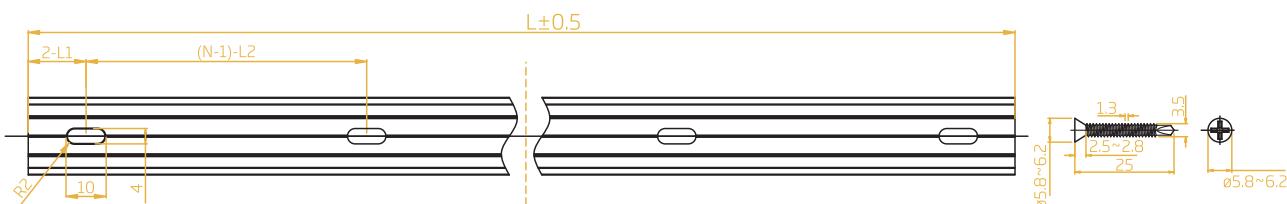
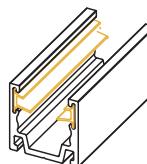
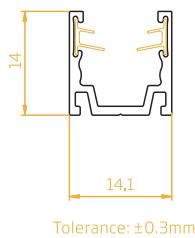
## FXN 1010|FLEXIBLE NEON

## MOUNTING PROFILES

## Serrated Aluminium Profile



Dimensions: mm



## 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 - 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

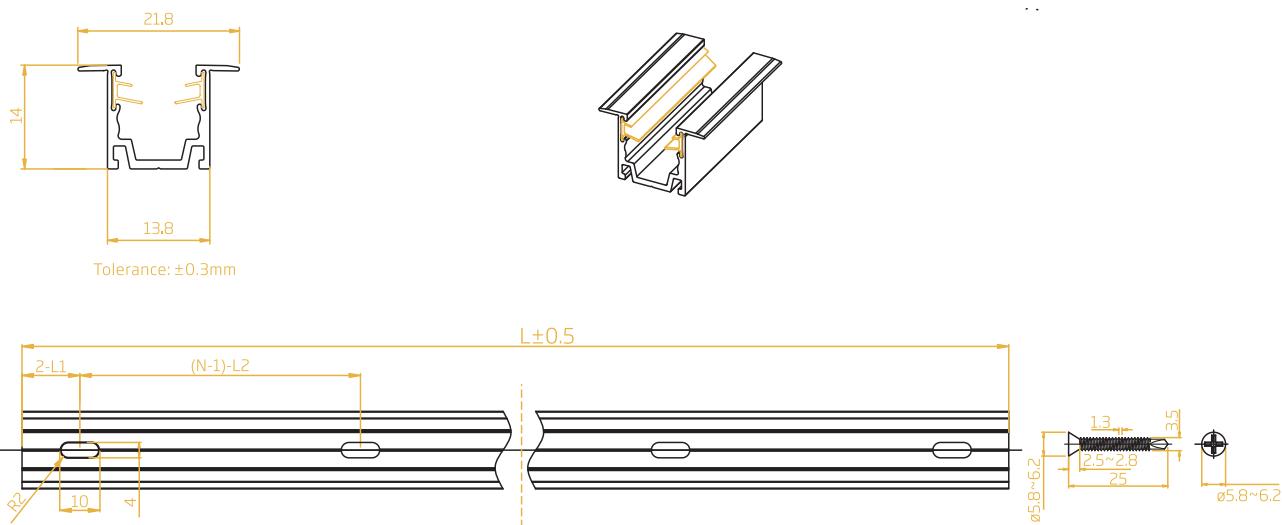
## FXN 1010|FLEXIBLE NEON

## MOUNTING PROFILES

## Flange Serrated Aluminium Profile



Dimensions: mm



## 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.

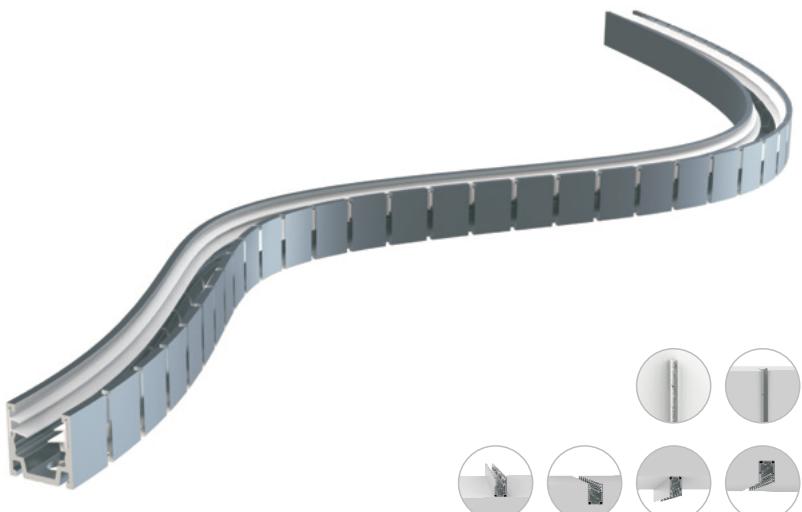
"N" hereby stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1010 - 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

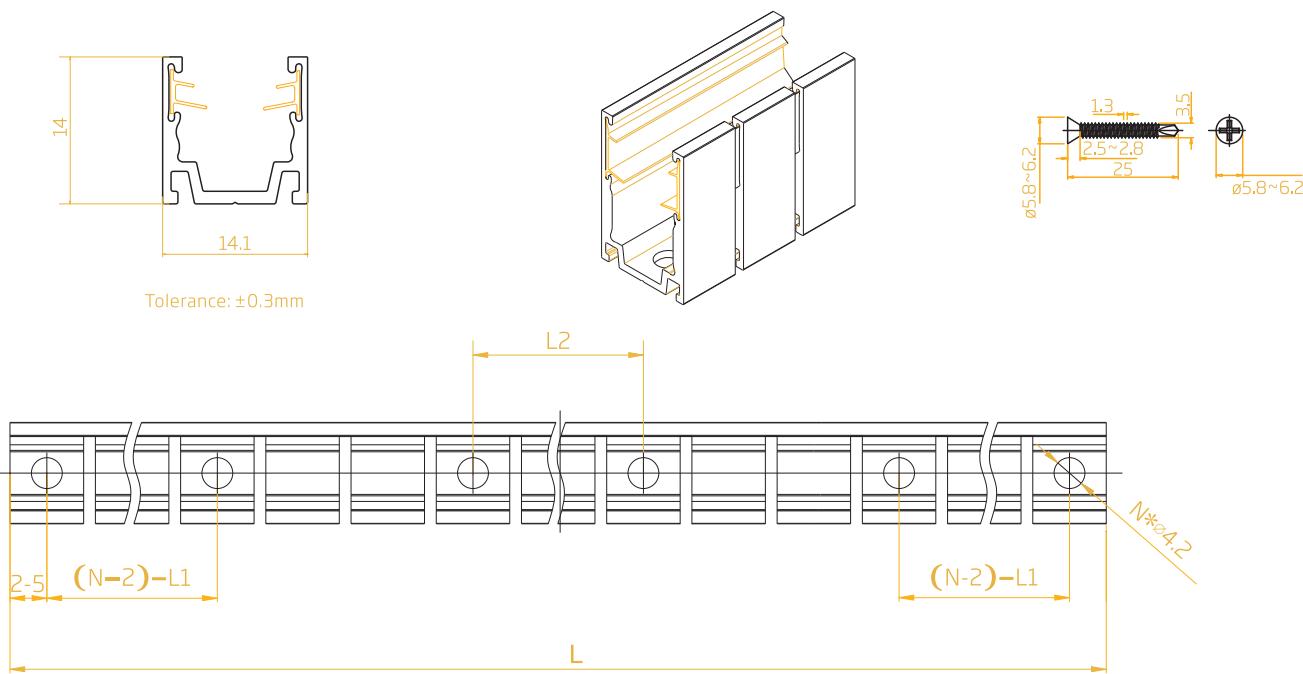
## FXN 1010|FLEXIBLE NEON

## MOUNTING PROFILES

Bendable Serrated Aluminium Profile



Dimensions: mm



## 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" herbey 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+

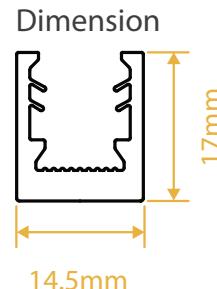
Times  
Clamping ForceKids  
FriendlySolvents  
ResistantSaltwater  
ResistantUV  
ResistantFlame  
Resistant

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: ±0.3mm

## Standard Length

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

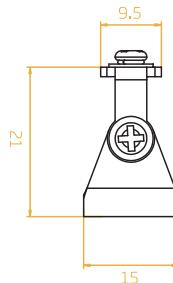
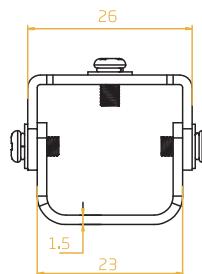
## Installation Methods



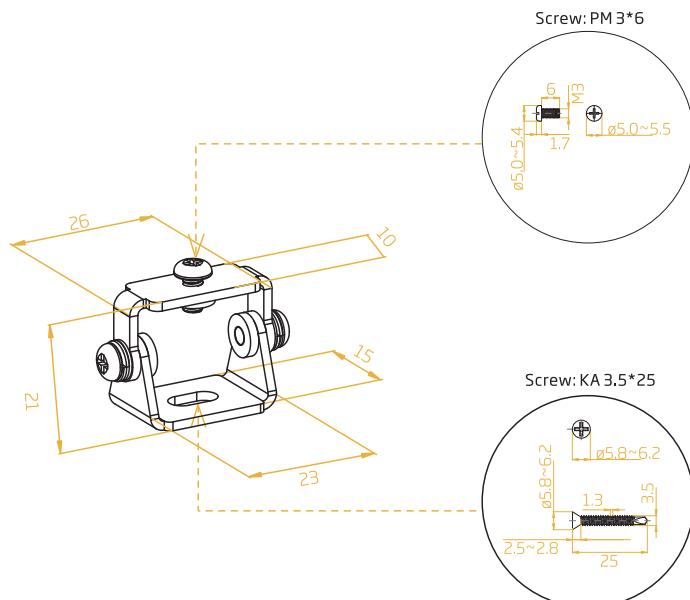
## FXN 1010|FLEXIBLE NEON

## BRACKETS

## Pivot Mounting Bracket



Item Code: FXN - 1010 - B - PM



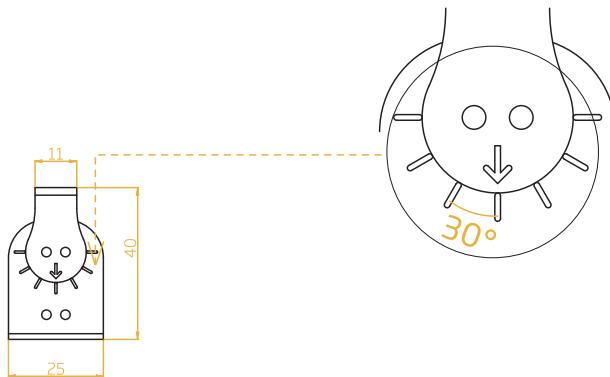
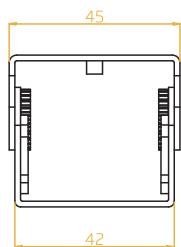
## Note:

Applicable to all types of mounting profiles

## FXN 1010|FLEXIBLE NEON

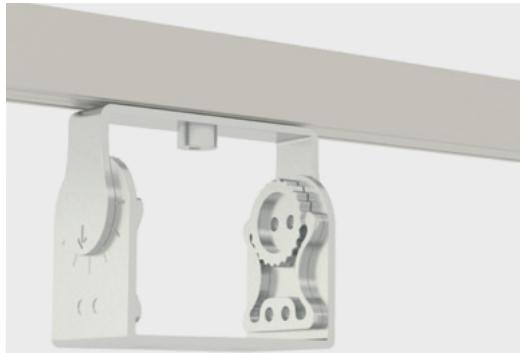
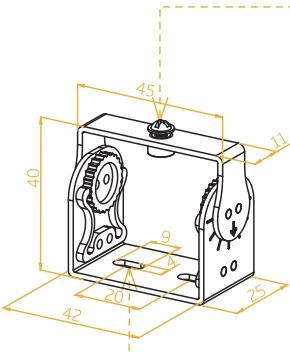
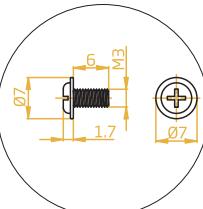
## BRACKETS

## Rotary Locking Bracket

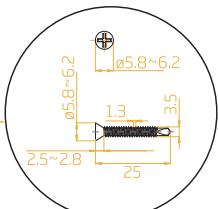


Item Code: FXN - 1010 - B - RL

Screw: PWM3\*6 1 PC



Screw: KA 3.5\*25 2PCS



Note:  
Applicable to all types of mounting profiles

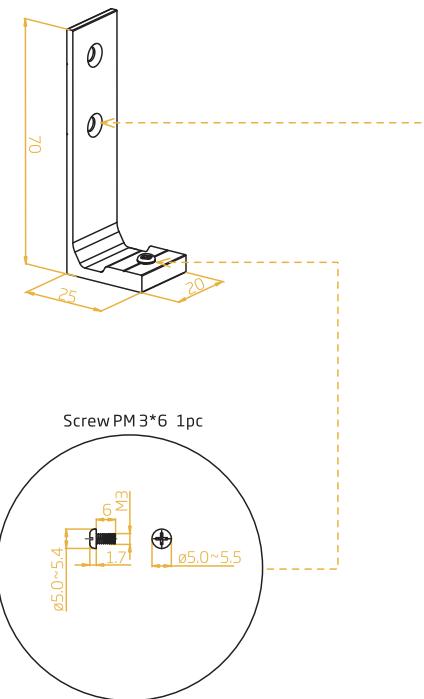
## FXN 1010 | FLEXIBLE NEON

## BRACKETS

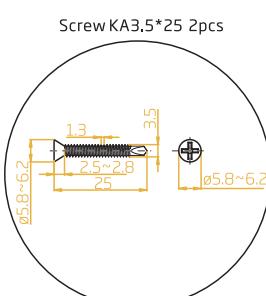
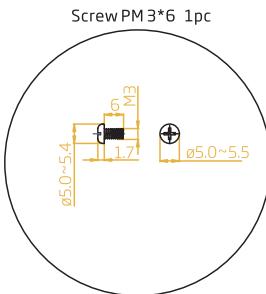
## Side Mounting Braket



Item Code: FXN - 1010 - B - SM



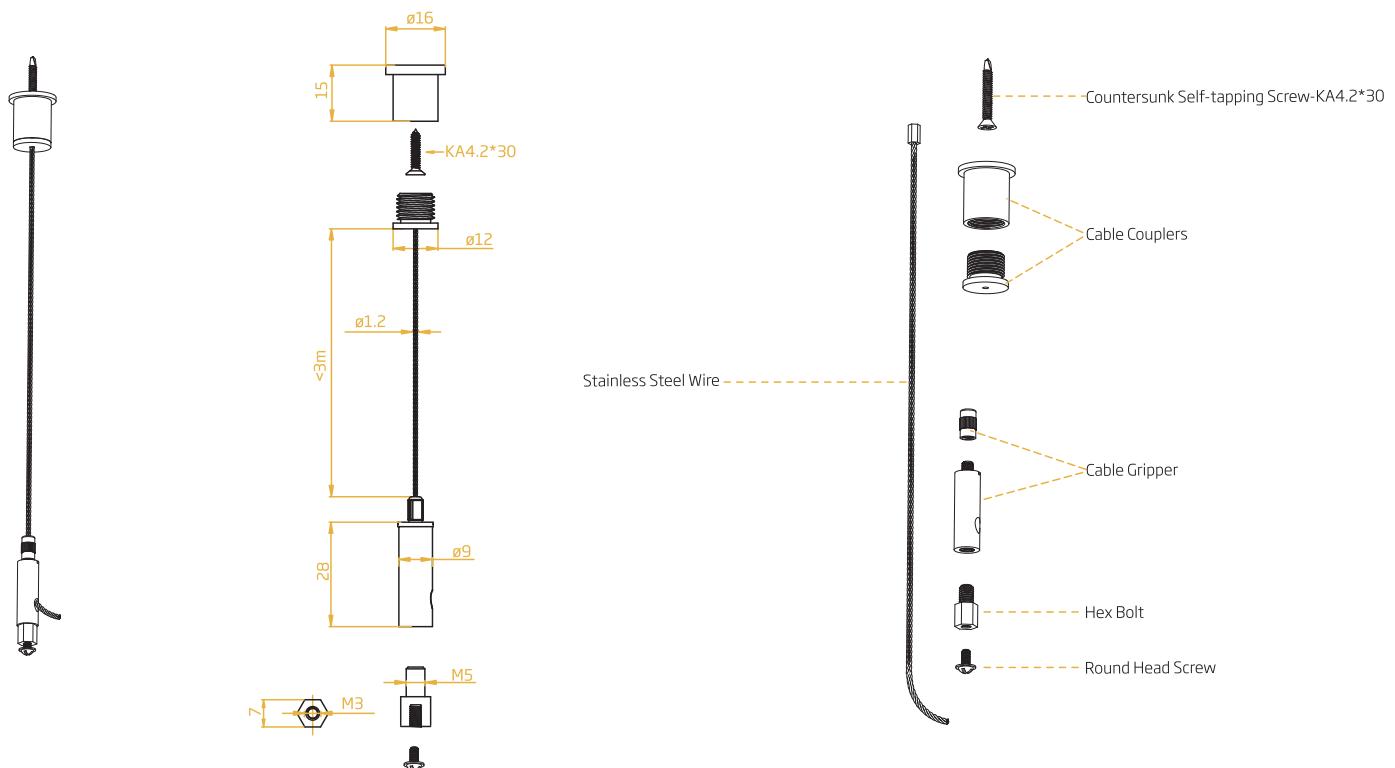
Note:  
Applicable to all types of mounting profiles



## 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.

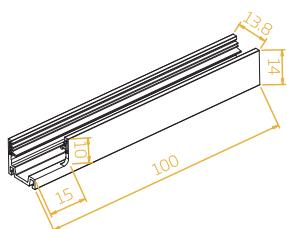


## FXN 1010|FLEXIBLE NEON

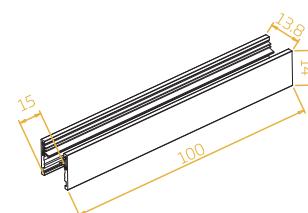
## CLIP

## 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.

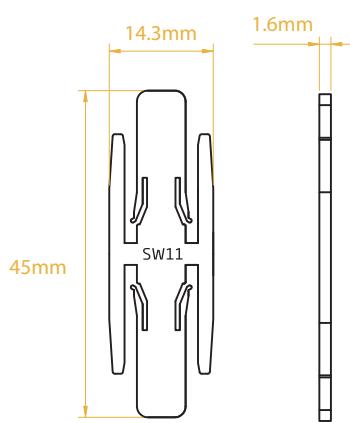
## Note:

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

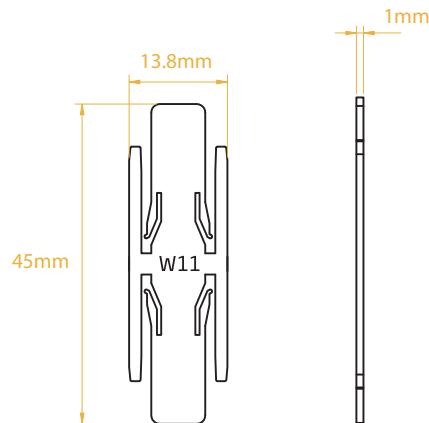
## BRACKETS

## Joining Bracket



Note: Applicable to serrated aluminium profile.

Item Code: FXN - 1010 - B - J



Note: Applicable to aluminium profile.

