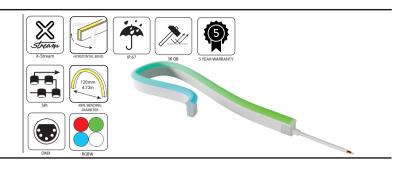


The FXN 1129 is a versatile, flexible LED lighting solution for architectural and commercial applications. With vibrant RGBW output and a durable, bendable design, it adapts seamlessly to creative lighting projects.

Made from silicone, the FXN 1129 offers IP67 water resistance and IK08 impact protection for long-lasting reliability.

Its flexible installation options and even illumination make it ideal for dynamic and innovative lighting designs.



PART NUMBER CONFIGURATOR

Prefix	Model	LED Colour	Control	Bending Direction	Voltage	Power	CRI	Connectors	Mounting Profiles	Mounting Brackets	Mounting Clips
FXN	1129	RGBW (27K) RGBW (30K) RGBW (40K) RGBW (65K) RGB RGBA White (27K-57K)	X – XStream SPI DMX	HB - Horizontal Bend	24 – 24VC DC	12 – 12W 15 – 15W		SWC - Swivel Connector SLC - Sleeve Connector SNC - Snap Connector SOC - Socket Connector SIMC - Silicone Injection- moulded Connector DIMC - Dual Injection- moulded Connector	FAP – Flange Aluminium Profile SAP – Serrated Aluminium Profile FSAP – Flange Serrated Aluminium Profile	PV - Pivot Mounting Bracket RL - Rotary Locking Brakcet SM - Side Mounting Bracket JB - Joining Bracket	SMC - Suspended Mounting Clip

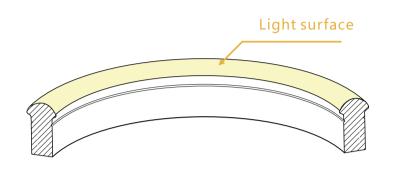
SPECIFICATIONS Example: FXN - 1129 - RGBW (27K) - X - HB - 24 - 8 - 90 - SNC - FSAP - PV - CMC

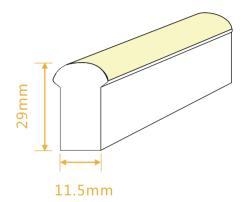
SPECIFICATION	3	Example: FXN - 1129 - RGBW (27K) - X - HB - 24 - 8 - 90 - SNC - FSAP - PV - CMC
Electrical	Power Consumption Operating Voltage Installation Temperature Operating Temperature Storage Temperature	12W/m (AW, RGB), 15W/m (R,G,B,A,W, RGBW) 24V DC -40°C TO 50°C - (-40°F TO 122°F) -40°C TO 55°C - (-40°F TO 131°F) -40°C TO 60°C - (-40°F TO 140°F)
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 Mounting Clips Data Maximum Run Length	L: 1000mm – H: 29mm – W: 11.5mm Horoizontal Bending Silicone 450g IK08 IP67 10LEDs(1unit) 166.7mm(1unit) 120mm 6 pixels Swivel Connector, Sleeve Connector, Snap Connector, Socket Connector, Silicone Injection-moulded OConnector, Dual Injection-moulded Connector Aluminium Profile, Flange Aluminium Profile, Serrated Aluminium Profile, Flange Serrated Aluminium Profile, Thickened Plastic Profile, Bendable Serrated Aluminium Profile, Surface-mounted Raceway Aluminium Profile, Suspended Raceway Aluminium Profile Pivot Mounting Bracket, Rotary Locking Bracket, Side Mounting Bracket, Joining Bracket Ceiling Mounting Clip, Suspended Mounting Clip, Cable-exit Mounting Clip 128m @ 6pixels/m – 6 universes
	Beam Angle Colour Range LED Qty/m LED Type LED Distance Total Lumens	160° RGBW, RGB, RGBA White 60LEDs EPISTAR SMD LED 16.67mm < m/m
Diming & Control	Control Protocols Dimming Resolution	X-Stream: SPI protocol with data redundancy Others – SPI, DMX
Fixture Rating & Certifications	UL LISTED, CE RoHs COMPLIANT	C E ROHS UL
Limited Warranty	5 Years	Extendable Warranty Available



DIMENSIONS & BENDING

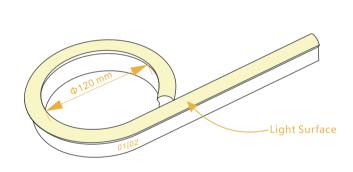
Dimensions of Light

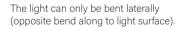


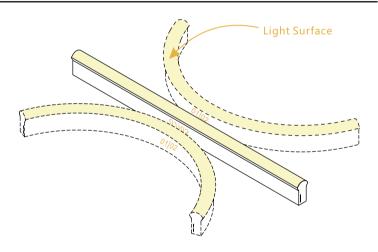


Note: Unless otherwise stated, the tolerance of the light is \pm 0.3mm.

Minimum Bending Diameter







Do not bend smaller than allowed minimum bend diameter.



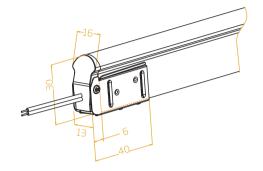
CONNECTORS

Swivel Connector IP40

Swivel Front Connector

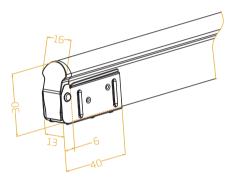


FXN - 1129 - C - SW - F





FXN - 1129 - C - SW - EC



Note

- Unless otherwise stated, the tolerance of the connector is ±0.5mm;
- To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.



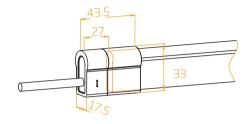
CONNECTORS

Sleeve Connector IP40

Sleeve Front Connector-End



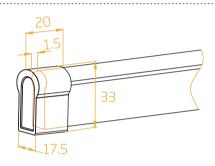
FXN - 1129 - C - SL - FE



Sleeve End Cap



FXN - 1129 - C - SL - EC

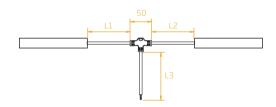


Sleeve Middle Connector & Power T-feed



FXN - 1129 - C - SL - TF

L1 and L2 available in 300mm. L3 available in 300mm/1000mm/3000mm.



Note:

- 1. Unless otherwise stated, the tolerance of the connector is ±0.5mm;
- 2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

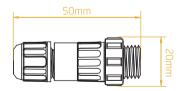
Male & Female Connector



Note: Unless otherwise stated, the tolerance is ±2mm.

For plug and play cable junction, IP67.

FXN - 1129 - MC / FXN - 1129 - FC





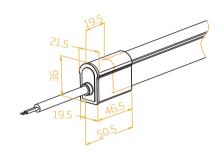
CONNECTORS

Snap Connector IP67

Snap Front Connector-End



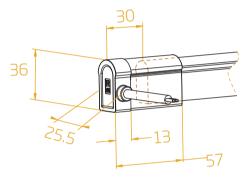
FXN - 1129 - C - SN - FE



Snap Front Connector-Side



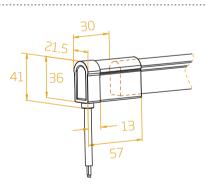
FXN - 1129 - C - SN - FS



Snap Front Connector-Bottom



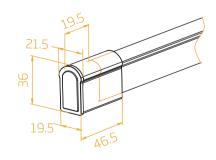
FXN - 1129 - C - SN - FB



Snap End Cap



FXN - 1129 - C - SN - EC







CONNECTORS

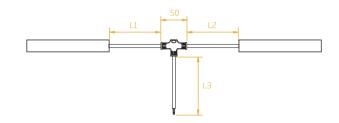
Snap Connector IP67

Snap Middle Connector & Power T-feed



FXN - 1129 - C - SN - TF

L1 and L2 available in 300mm. L3 available in 300mm/1000mm/3000mm.



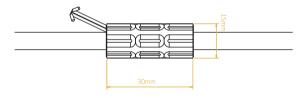
- Unless otherwise stated, the tolerance of the connector is ±0.5mm;
- To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

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.



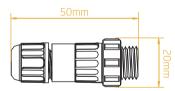
- Unless otherwise stated, the tolerance is ± 0.5 mm. The removal of anti-wicking ferrule will void the warranty if any water ingression caused by it.

Male & Female Connector



For plug and play cable junction, IP67.

FXN - 1129 - MC / FXN - 1129 - FC





Unless otherwise stated, the tolerance is ±2mm.



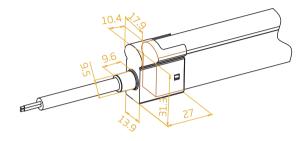
CONNECTORS

Socket Connector IP67

Socket Front Connector



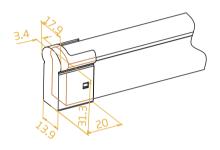
FXN - 1129 - C - SO - F



Snap Front Connector-Side



FXN - 1129 - C - SO - FS



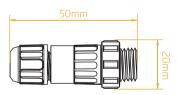
- Unless otherwise stated, the tolerance of the connector is ±0.5mm,
- To avoid damage from the excesive force on cable joint, please keep at least 60mm of cable ahead in the natural state. Please refer to the Installation Guide about how to assemble the socket connector.

Male & Female Connector



For plug and play cable junction, IP65.

FXN - 1129 - MC / FXN - 1129 - FC



Unless otherwise stated, the tolerance is ±2mm.



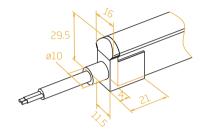
CONNECTORS

Silicone Injection-moulded Connector IP68

Silicone Injection-moulded Front Connector-End



FXN - 1129 - C - SIM - FE

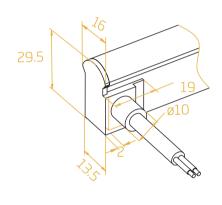


Silicone Injection-moulded Front Connector-Side



FXN - 1129 - C - SIM - FS

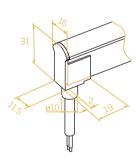




Silicone Injection-moulded Front Connector -Bottom



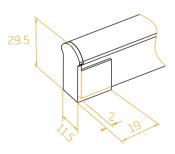
FXN - 1129 - C - SIM - FB



Silicone Injection-moulded End Cap



FXN - 1129 - C - SIM - EC







CONNECTORS

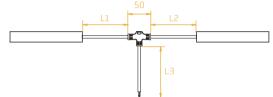
Silicone Injection-moulded Connector IP68

Silicone Injection-moulded Middle Connector & Power T-Feed



FXN - 1129 - C - SIM - TF

L1 and L2 available in 300mm. L3 available in 300mm/1000mm/3000mm.



Note:

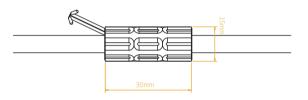
- Unless otherwise stated, the tolerance of the connector is ±0.5mm;
- To avoid damage from excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

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

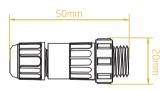
- Unless otherwise stated, the tolerance is ±0.5mm.
- 2. The removal of anti-wicking ferrule will void the warranty if any water ingression caused by it.

Male & Female Connector



For plug and play cable junction, IP67.

FXN - 1129 - MC / FXN - 1129 - FC





Unless otherwise stated, the tolerance is ± 2 mm.



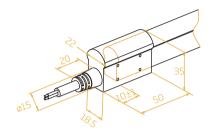
CONNECTORS

Dual Injection-moulded Connector IP68

Dual Injection-moulded Front Connector-End



FXN - 1129 - C - DIM- FE



Dual Injection-moulded Front Connector-Side

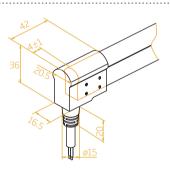




Dual Injection-moulded Front Connector-Bottom



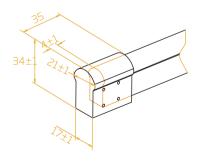
FXN - 1129 - C - DIM - FB



Dual Injection-moulded End Cap



FXN - 1129 - C - DIM - EC







CONNECTORS

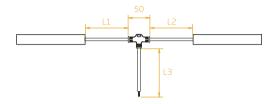
Dual Injection-moulded Connector IP68

Dual Silicone Injection-moulded Middle Connector & Power T-Feed



FXN - 1129 - C - S - DIM - TF

L1 and L2 available in 300mm. L3 available in 300mm/1000mm/3000mm.



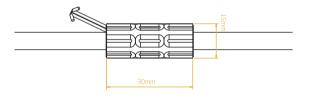
- Unless otherwise stated, the tolerance of the connector is ±0.5mm;
- To avoid damage from excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

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.



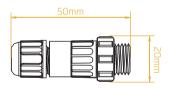
- Unless otherwise stated, the tolerance is ±0.5mm.
- The removal of anti-wicking ferrule will void the warranty if any water ingression caused by it.

Male & Female Connector



For plug and play cable junction, IP67.

FXN - 1129 - MC / FXN - 1129 - FC



Unless otherwise stated, the tolerance is ±2mm.

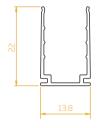


MOUNTING PROFILES

Aluminium Profile

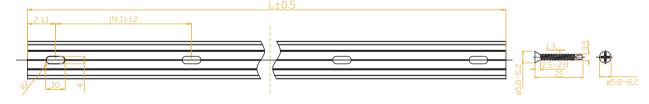


Dimensions: mm





Tolerance: +0.3mm



Note:

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 - 1129 - A/PL - 35MM - AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
FXN - 1129 - A/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1129 - A/PL - 1000MM- AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1129 - A/PL - 2000MM- AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10



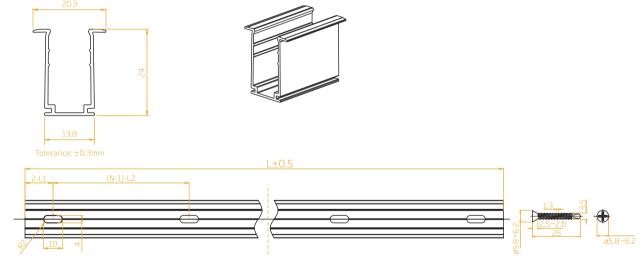


MOUNTING PROFILES

Flange Aluminium Profile



Dimensions: mm



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 - 1129 - FA/PL - 35MM - AL	35mm/1.38in	17.5mm/0.69in	/	4*10mm/0.16*0.39in	1
FXN - 1129 - FA/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1129 - FA/PL - 1000MM- AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1129 - FA/PL - 2000MM- AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10



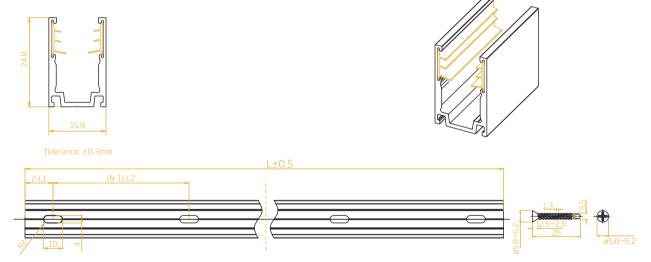


MOUNTING PROFILES

Serrated 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" herbey stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1129 - SA/PL - 20MM - AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
FXN - 1129 - SA/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1129 - SA/PL - 1000MM- AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1129 - SA/PL - 2000MM- AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10



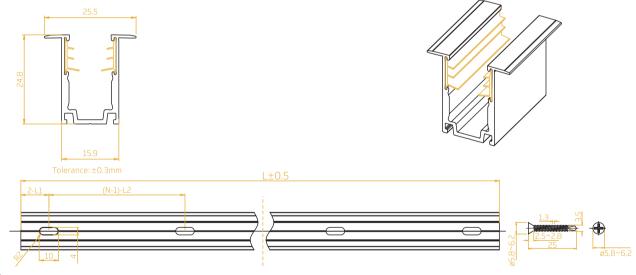


MOUNTING PROFILES

Flange Serrated Aluminium Profile



Dimensions: mm



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" herbey stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1129 - FSA/PL - 20MM - AL	20mm/0.787in	10mm/0.39in	/	4*10mm/0.16*0.39in	1
FXN - 1129 - FSA/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 1129 - FSA/PL - 1000MM- AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 1129 - FSA/PL - 2000MM- AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10



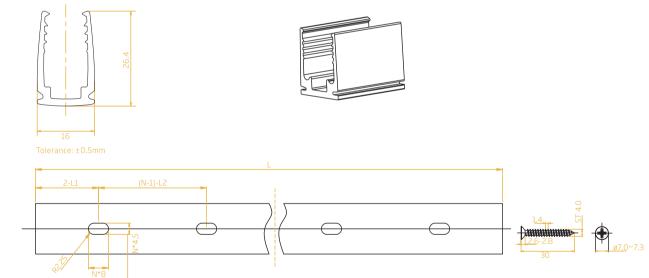


MOUNTING PROFILES

Thickened Plastic Profile



Dimensions: mm



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" herbey stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1129 - TP/PL - 35MM - TT	35mm/1.38in	17.5mm/0.69in	/	4.5*8mm/0.18*0.31in	1
FXN - 1129 - TP/PL - 500MM - TT	500mm/19.68in	50mm/1.97in	200mm/7.87in	4.5*8mm/0.18*0.31in	3
FXN - 1129 - TP/PL - 1000MM- TT	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4.5*8mm/0.18*0.31in	5
FXN - 1129 - TP/PL - 2000MM- TT	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4.5*8mm/0.18*0.31in	10

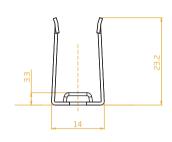




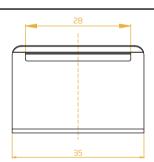
MOUNTING PROFILES

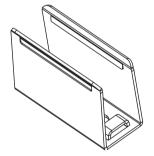
Stainless Steel Profile

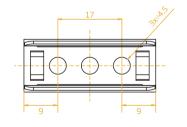




Tolerance: ±0,3mm









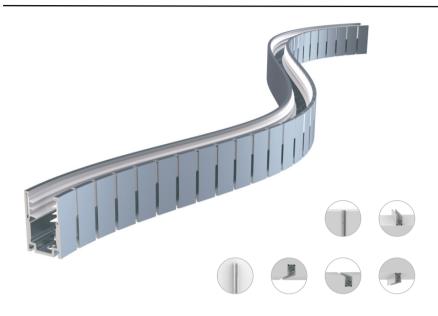
Item Code	Standard Length	Screw Hole	Hole Number
FXN - 1129 - SS/PL - 35MM - SSL	35mm/1.38in	4.5mm/0.18in	3

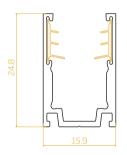




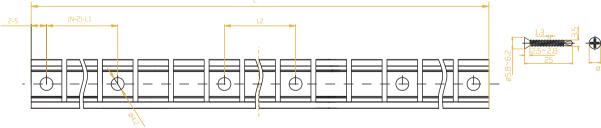
MOUNTING PROFILES

Bendable Serrated Aluminium Profile









- 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

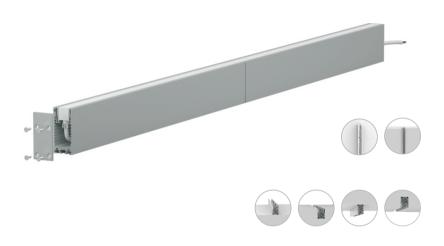
Item Code	Standard Length	L1	L2	Screw Hole	Hole Number
FXN - 1129 - BSA/PL - 500MM - AL	500mm/19.68in	110.3mm/4.34in	48.9mm/1.92in	4.2mm/0.17in	6
FXN - 1129 - BSA/PL - 1000MM - AL	1000mm/39.37in	111.4mm/4.39in	98.8mm/3.89in	4.2mm/0.17in	10

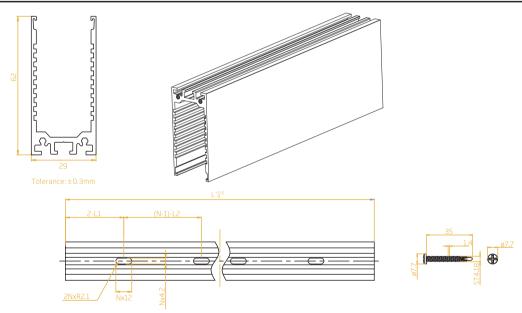




MOUNTING PROFILES

Surface-mounted Raceway Aluminium Profile





- 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" herbey stands for its corresponding "Hole Number" in the below table

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 1129 - SMR/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4.5*12mm/0.18*0.471in	3
FXN - 1129 - SMR/PL - 1000MM - AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4.5*12mm/0.18*0.471in	5
FXN - 1129 - SMR/PL - 2000MM- AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4.5*12mm/0.18*0.471in	10





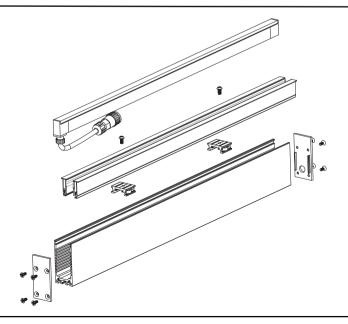
MOUNTING PROFILES

Surface-mounted Raceway Aluminium Profile

Main Components



Exploded View

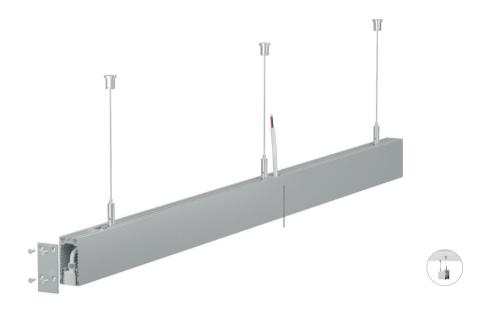


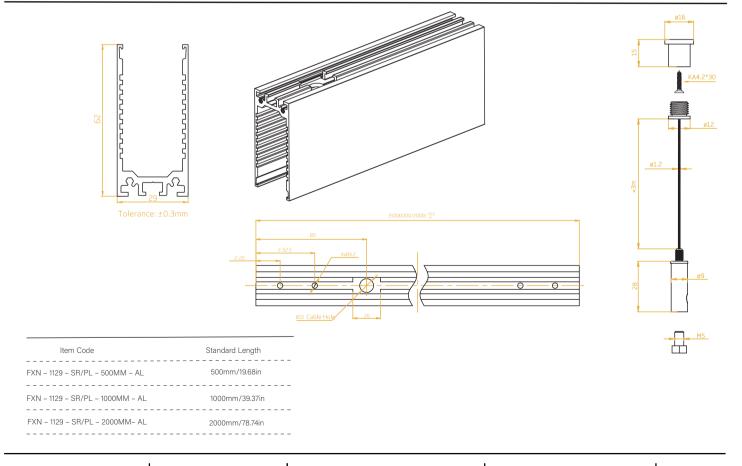




MOUNTING PROFILES

Suspended Raceway Aluminium Profile





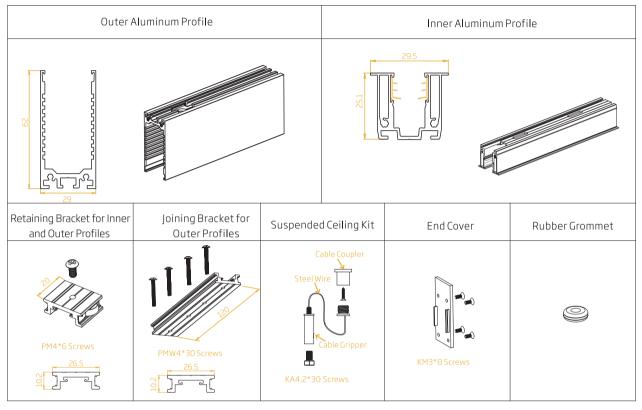




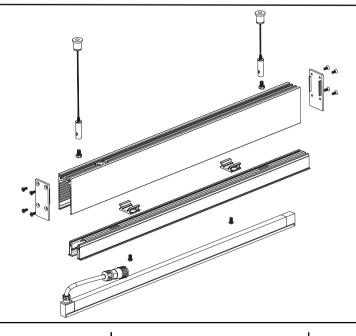
MOUNTING PROFILES

Surface-mounted Raceway Aluminium Profile

Main Components



Exploded View

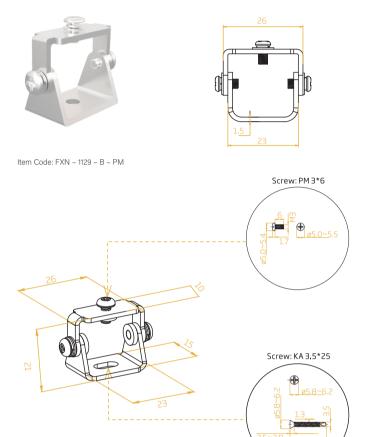






BRACKETS

Pivot Mounting Bracket







Applicable to all types of mounting profiles

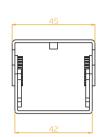


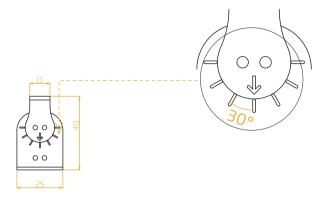
BRACKETS

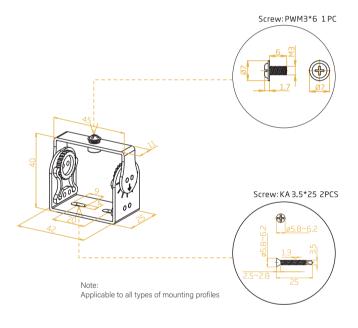
Rotary Locking Bracket













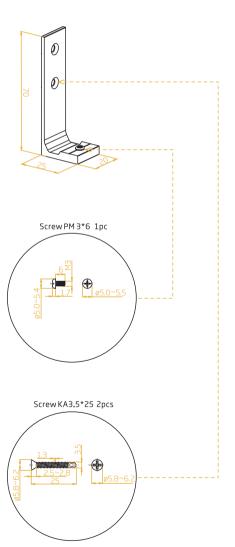


BRACKETS

Side Mounting Brakcet



Item Code: FXN - 1129 - B - SM





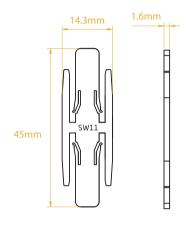
Note: Applicable to all types of mounting profiles





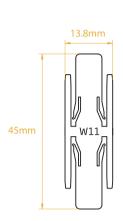
BRACKETS

Joining Bracket



Note: Applicable to serrated aluminium profile.

Item Code: FXN - 1129 - B - J



Note: Applicable to aluminium profile.

1mm



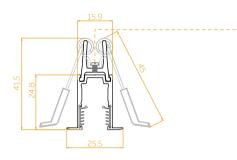


CLIPS

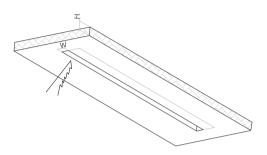
Ceiling Mounting Clip



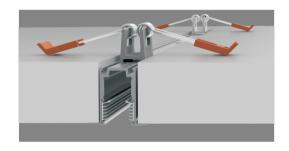
Item Code: FXN - 1129 - C - CM



Screw PM 3*4 1pc



The width applicable to FXN 1121: 17≈20mm The thickness of ceiling: 5≈50mm

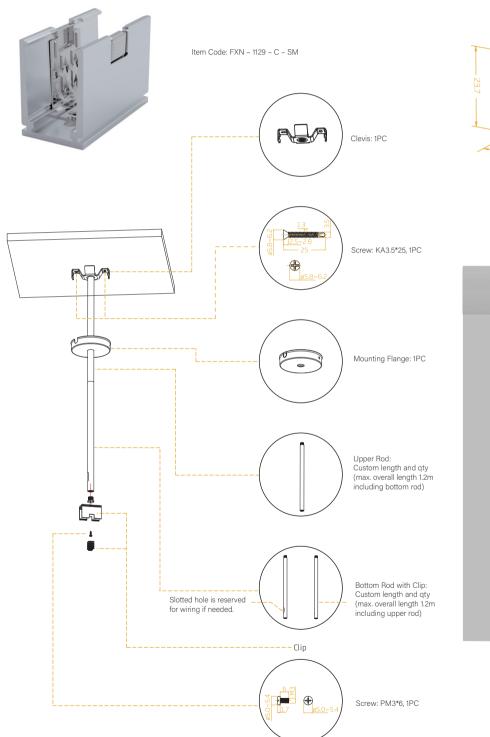


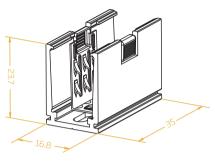
Note: Only applicable to flanged serrated aluminium profile.



CLIPS

Suspended Mounting Clip



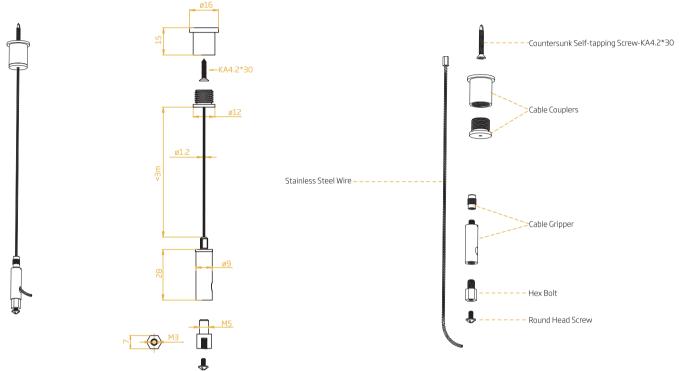






WIRE

Suspended Mounting Wire



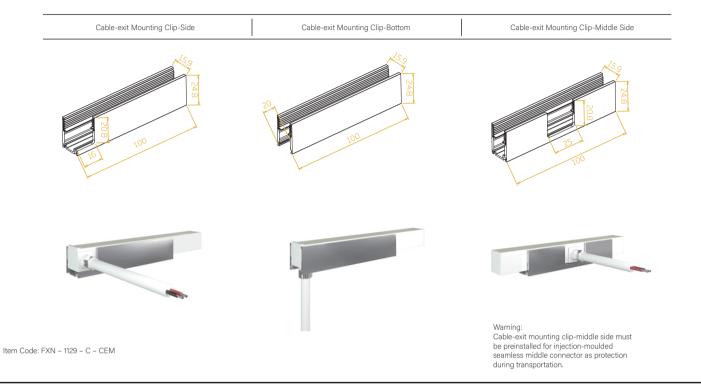
Item Code: FXN - 1129 - W - SM

Note:
Applicable to serrated aluminium profile.
2 sets of stainless stell 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.





Cable-exit Mounting Clip



- Applicable to single-layer injection-moulded connector with side, or bottom cable entry, whose size can be matched exactly.

 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. 10cm/piece, combines with other lengths of mounting profiles to fit the equivalent light length.