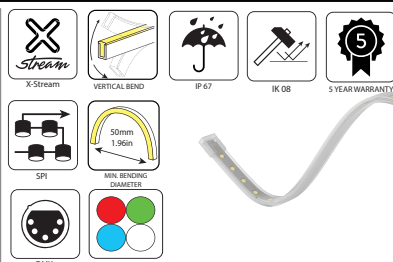


FXN 156 | FLEXIBLE NEON

The FXN 156 is a high-performance flexible LED lighting solution for architectural and commercial applications. With vibrant RGBW output and a durable, bendable design, it seamlessly integrates into dynamic lighting projects.

Made from silicone, the FXN 156 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	Mounting Brackets
FXN	156	RGBW (27K) RGBW (30K) RGBW (40K) RGBW (65K) RGB RGBA White (27K-57K)	X - XStream SPI DMX	VB - Verical Bend	24 - 24VC DC	10 - 10W 12 - 12W 15 - 15W	80 90 95	SLC - Sleeve Connector SNC - Snap Connector SIMC - Silicone Injection-moulded Connector	TAP20 - Transparent Covered Aluminium Profile TAP13 - Transparent Covered Aluminium Profile MIP20 - Milky Covered Aluminium Profile MIP13 - Milky Covered Aluminium Profile SKP - Suspension Kit Profile SMRAP - Surface-mounted Raceway Aluminium Profile SRAP - Suspended Raceway Aluminium Profile AP - Aluminium Profile	PV - Pivot Mounting Bracket RL - Rotary Locking Bracket SM - Side Mounting Bracket JB - Joining Bracket

SPECIFICATIONS

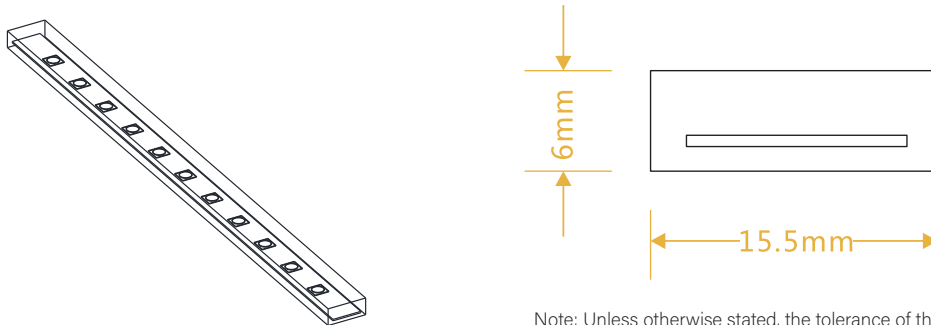
Example: FXN - 156 - RGBW (27K) - X - VB - 24 - 6 - 80 - SC - TAP20 -PV

Electrical	Power Consumption Operating Voltage Installation Temperature Operating Temperature Storage Temperature	10W/m (AW), 12W/m (R,G,B,A,W, RGB), 15W/m (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	L: 1000mm - H: 16mm - W: 15.5mm Vertical Bending Silicone 129g IK08 IP67 6LEDs(1unit) 125mm(1unit) 50mm 8 pixels Sleeve Connector, Snap Connector, Silicone Injection-moulded Transparent Covered Aluminium (H20/H13), Milky Covered Aluminium (H20/H13), Suspension Kit, Surface-mounted Raceway Aluminium, Suspended Raceway Aluminium, Aluminium Profile
Optical	Mounting Brackets Data Maximum Run Length	Pivot Mounting Bracket, Rotary Locking Bracket, Side Mounting Bracket, Joining Bracket 48m @ 8pixels/m - 6 universes
	Beam Angle Colour Range LED Qty/m LED Type LED Distance Total Lumens	120° RGBW, RGB, RGBA White 56LEDs EPISTAR SMD LED 16.67mm <900lm/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	  
Limited Warranty	5Years	Extendable Warranty Available

FXN 156 | FLEXIBLE NEON

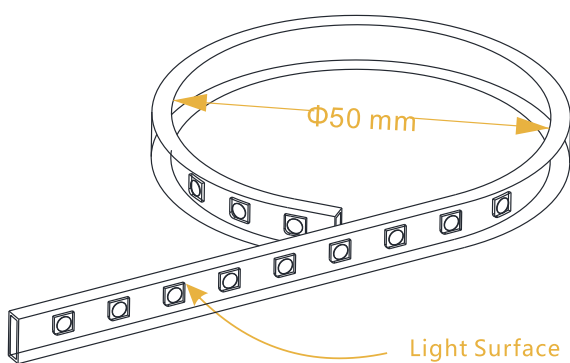
DIMENSIONS & BENDING

Dimensions of Light

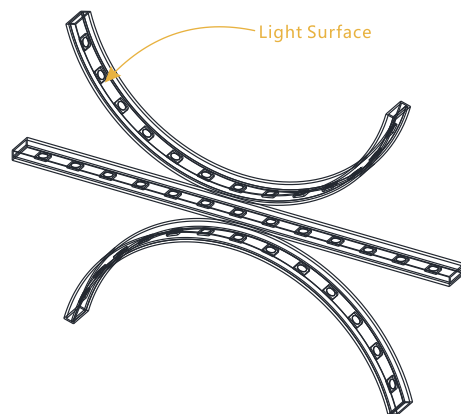


Note: Unless otherwise stated, the tolerance of the light is $\pm 0.2\text{mm}$.

Minimum Bending Diameter



The light can only be bent along the light surface.

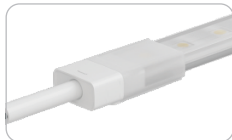


Do not bend smaller than allowed minimum bend diameter.

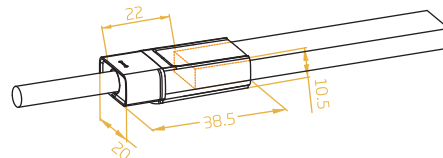
FXN 156 | FLEXIBLE NEON CONNECTORS

Sleeve Connector IP40

Sleeve Front Connector-End



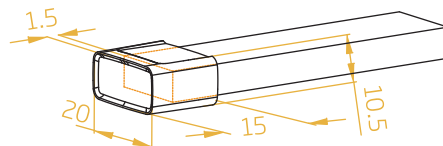
FXN – 156 – C – SL – FE



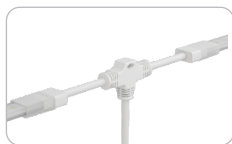
Sleeve End Cap



FXN – 156 – C – SL – EC

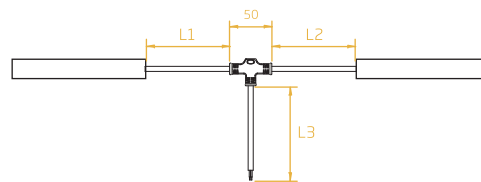


Sleeve Middle Connector & Power T-feed



FXN – 156 – C – SL – TF

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



Note:

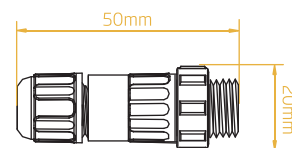
1. Unless otherwise stated, the tolerance of the connector is $\pm 0.5\text{mm}$.
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

Male & Female Connector



For plug and play cable junction, IP67.

FXN – 156 – MC / FXN – 156 – FC



Note:

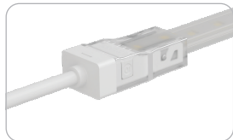
Unless otherwise stated, the tolerance is $\pm 2\text{mm}$.

FXN 156 | FLEXIBLE NEON

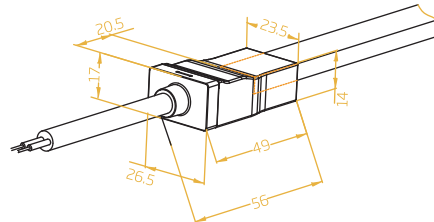
CONNECTORS

Snap Connector IP67

Snap Front Connector-End



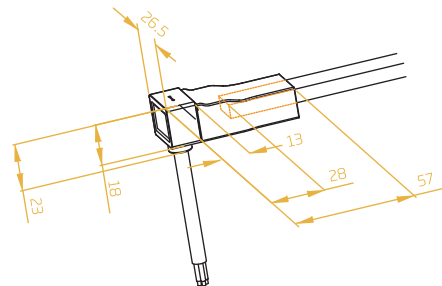
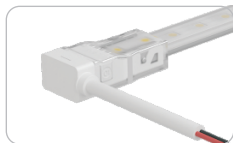
FXN - 156 - C - SN - FE



Snap Front Connector-Side



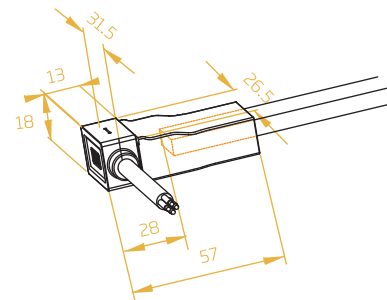
FXN - 156 - C - SN - FS



Snap Front Connector-Bottom



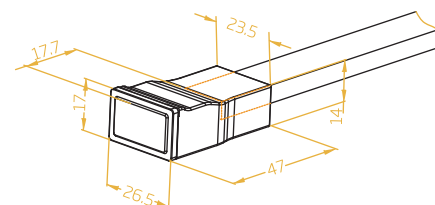
FXN - 156 - C - SN - FB



Snap End Cap



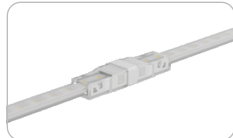
FXN - 156 - C - SN - EC



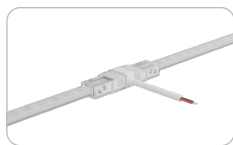
FXN 156 | FLEXIBLE NEON CONNECTORS

Snap Connector IP67

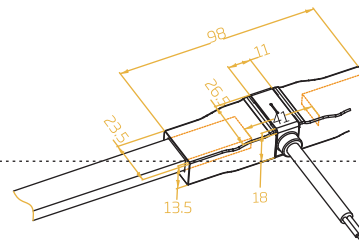
Snap Middle Connector / Snap Middle Connector & Power Feed



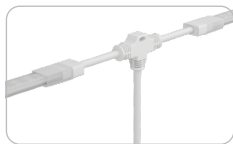
FXN - 156 - C - SN - MC



FXN - 156 - C - SN - MC - PF

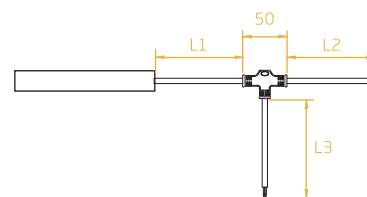


Snap Middle Connector & Power T-feed



FXN - 156 - C - SN - TF

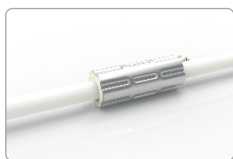
L1 and L2 available in 300mm.
L3 available in 300mm/1000mm/3000mm.



Note:

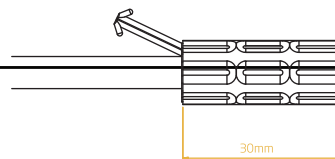
1. Unless otherwise stated, the tolerance of the connector is $\pm 0.5\text{mm}$.
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

Anti-wicking Ferrule



The anti-wicking ferrule is located at 115mm ($\pm 10\text{mm}$ 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 $\pm 0.5\text{mm}$.
2. The removal of anti-wicking ferrule will void the warranty if any water ingress caused by it.

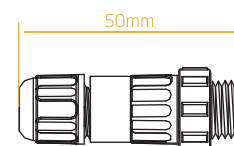
SPECIFICATIONS SUBJECT TO CHANGE
FOR THE MOST CURRENT SPECIFICATIONS,
LED CONTROL PTE LTD
© 2025 LEDCTRL. ALL RIGHTS RESERVED.

Male & Female Connector



For plug and play cable junction, IP67.

FXN - 156 - MC / FXN - 156 - FC



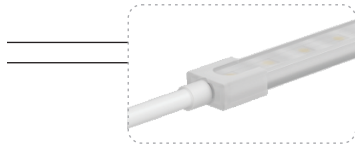
Note:

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

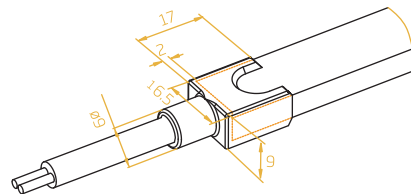
FXN 156 | FLEXIBLE NEON CONNECTORS

Silicone Injection-moulded Connector IP67

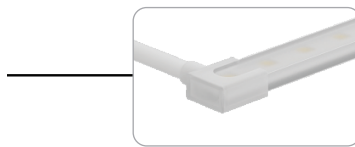
Silicone Injection-moulded Front Connector-End



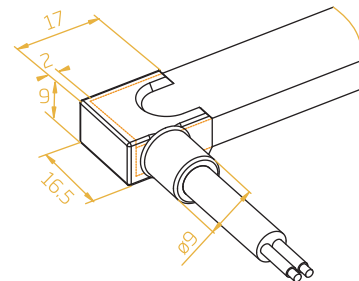
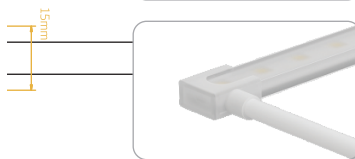
FXN - 156 - C - S - IM - FE



Silicone Injection-moulded Front Connector-Side



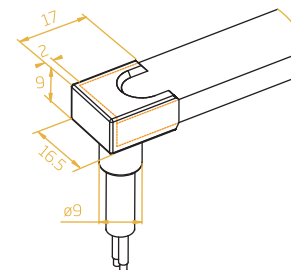
FXN - 156 - C - S - IM - FS



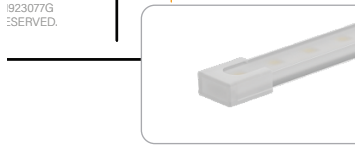
Silicone Injection-moulded Front Connector-Bottom



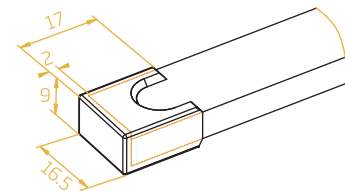
FXN - 156 - C - S - IM - FB



Silicone Injection-moulded End Cap



FXN - 156 - C - S - IM - EC



FXN 156 | FLEXIBLE NEON CONNECTORS

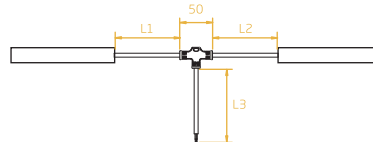
Silicone Injection-moulded Connector IP67

Silicone Injection-moulded Middle Connector & Power T-feed



FXN - 156 - C - S - IM - TF

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



Note:

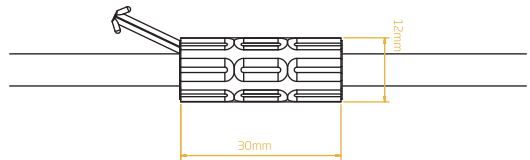
1. Unless otherwise stated, the tolerance of the connector is $\pm 0.5\text{mm}$.
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

Anti-wicking Ferrule



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

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



Note:

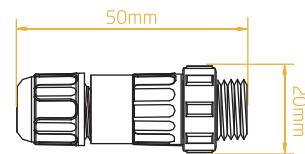
1. Unless otherwise stated, the tolerance is $\pm 0.5\text{mm}$.
2. The removal of anti-wicking ferrule will void the warranty if any water ingress caused by it.

Male & Female Connector



For plug and play cable junction, IP67.

FXN - 156 - MC / FXN - 156 - FC

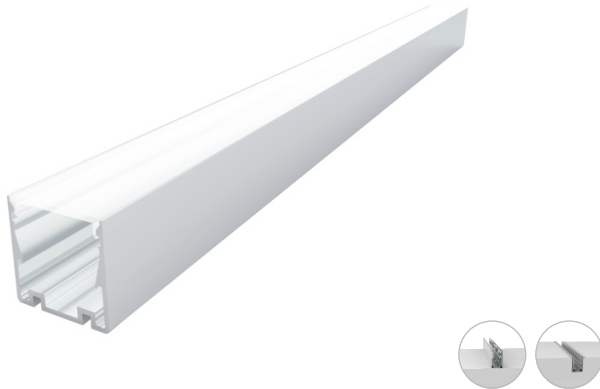


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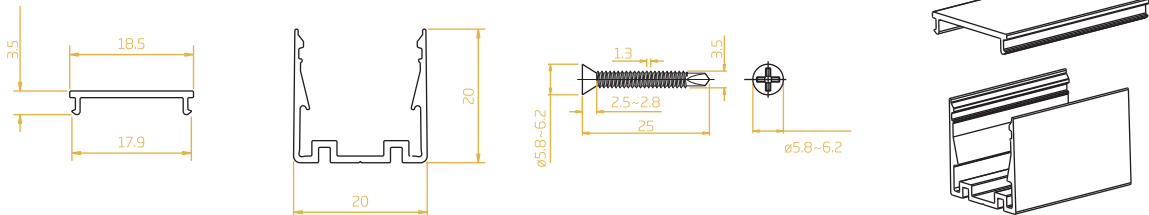
Unless otherwise stated, the tolerance is $\pm 2\text{mm}$.

FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Transparent Covered Aluminium Profile H20

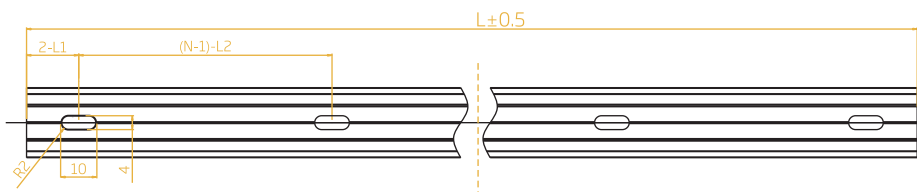


Dimensions: mm



Tolerance(PC): $\pm 0.5\text{mm}$

Tolerance(AL): $\pm 0.3\text{mm}$



Note:

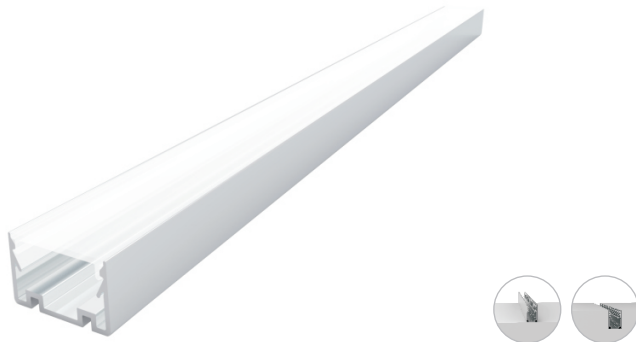
- 2-L1 refers to two of symmetric L1 in each piece of profile.
- (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile.

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

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 156 - TA/PL - H20 - 500MM	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 156 - TA/PL - H20 - 1000MM	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 156 - TA/PL - H20 - 2000MM	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

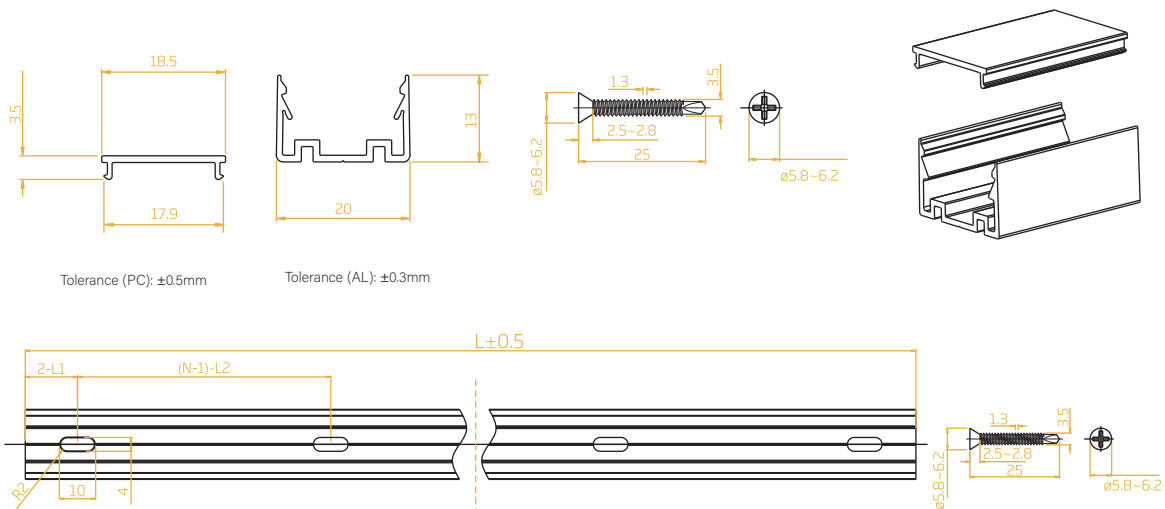
FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Transparent Covered Aluminium Profile H13



Note: PC1 refer to Transparent PC; PC2 refers to Milky PC

Dimensions: mm



Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 156 - TA/PL - H13 - 500MM	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 156 - TA/PL - H13 - 1000MM	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 156 - TA/PL - H13 - 2000MM	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

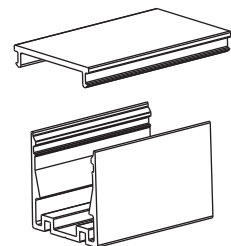
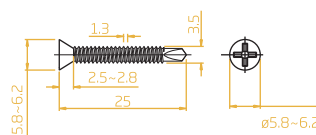
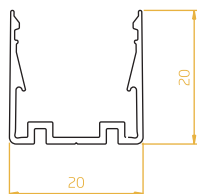
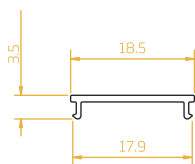
FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Milky Covered Aluminium Profile H20



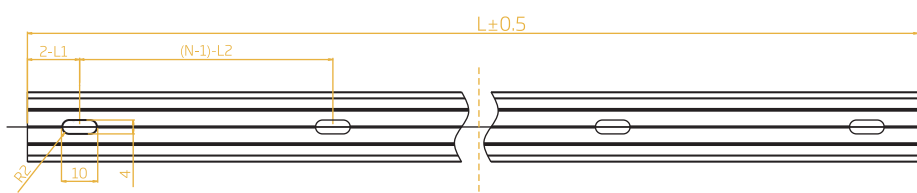
Note: PC1 refer to Transparent PC; PC2 refers to Milky PC

Dimensions: mm



Tolerance (PC): $\pm 0.5\text{mm}$

Tolerance (AL): $\pm 0.3\text{mm}$



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 - 156 - MI/PL - H20 - 500MM	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 156 - MI/PL - H20 - 1000MM	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 156 - MI/PL - H20 - 2000MM	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

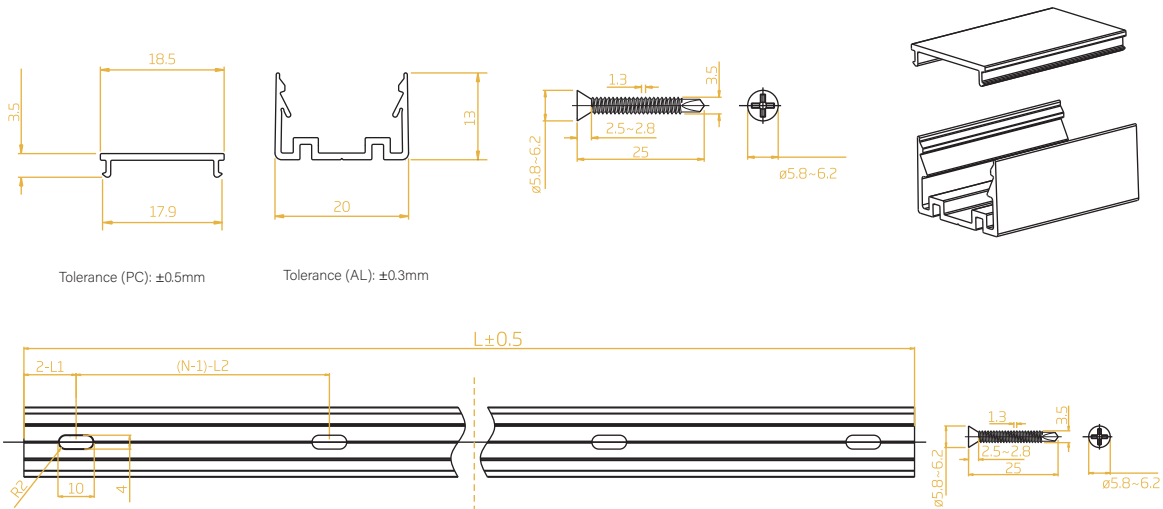
FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Milky Covered Aluminium Profile H13



Note: PC1 refer to Transparent PC; PC2 refers to Milky PC

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

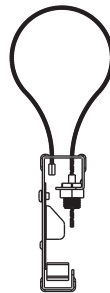
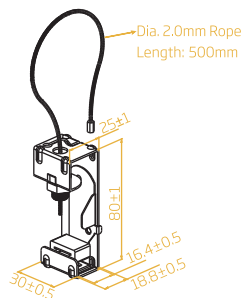
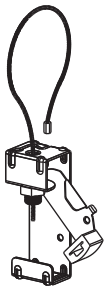
Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 156 - MI/PL - H13- 500MM	500mm/19.68in	50mm/1.97in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 156 - MI/PL - H13- 1000MM	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 156 - MI/PL - H13- 2000MM	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Suspension Kit

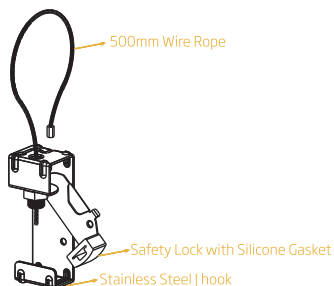


Dimensions: mm



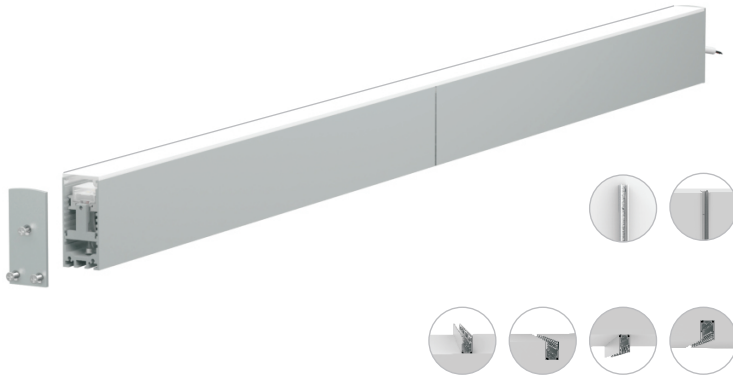
Item Code: FXN – 156 – S/KT

Main Components

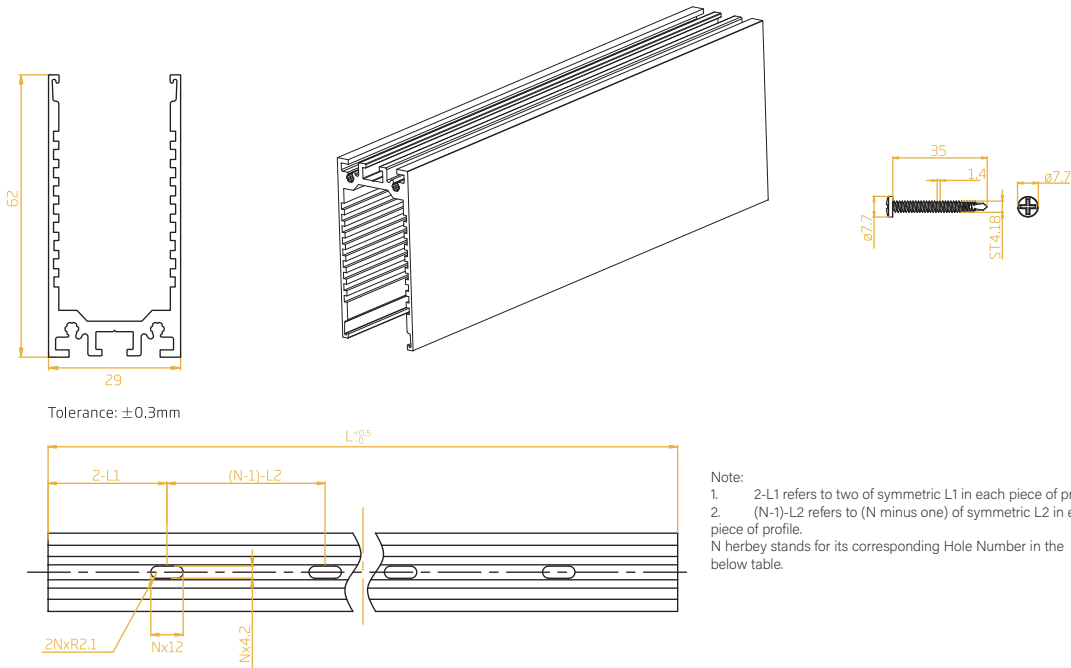


FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Surface-mounted Raceway Aluminium Profile



Dimensions: mm

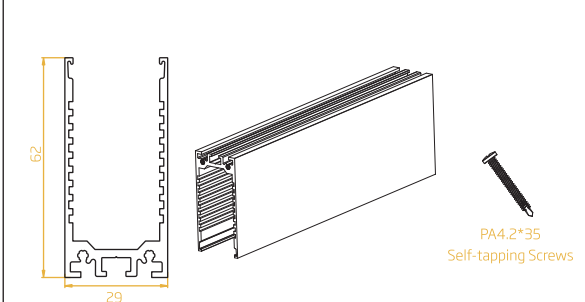
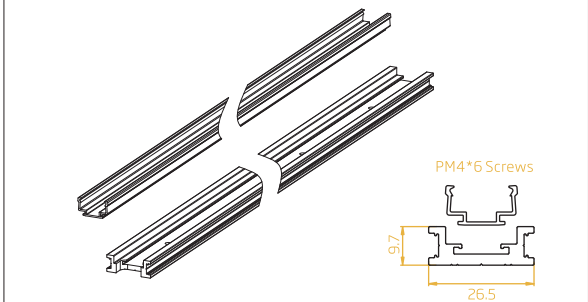
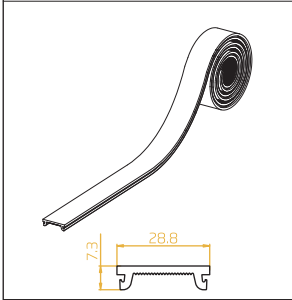
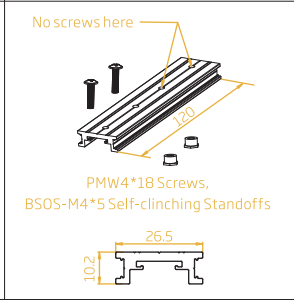
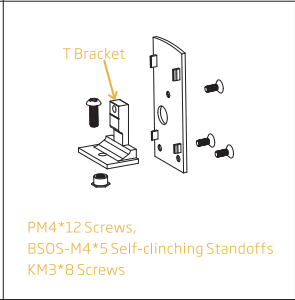


Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 156 - SMR/PL - 500MM - AL	500mm/19.68in	50mm/1.97in	200mm/7.87in	4.5*12mm/0.18*0.47in	3
FXN - 156 - SMR/PL - 1000MM - AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4.5*12mm/0.18*0.47in	5
FXN - 156 - SMR/PL - 2000MM - AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4.5*12mm/0.18*0.47in	10

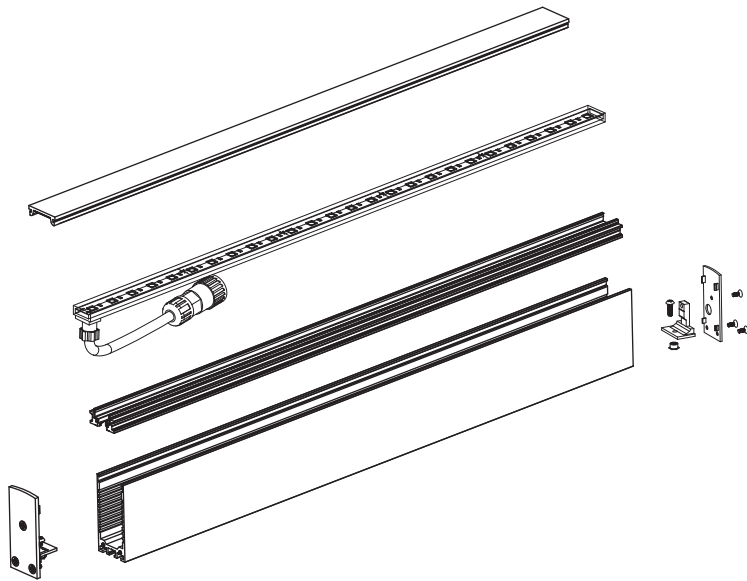
FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Surface-mounted Raceway Aluminium Profile

Main Components

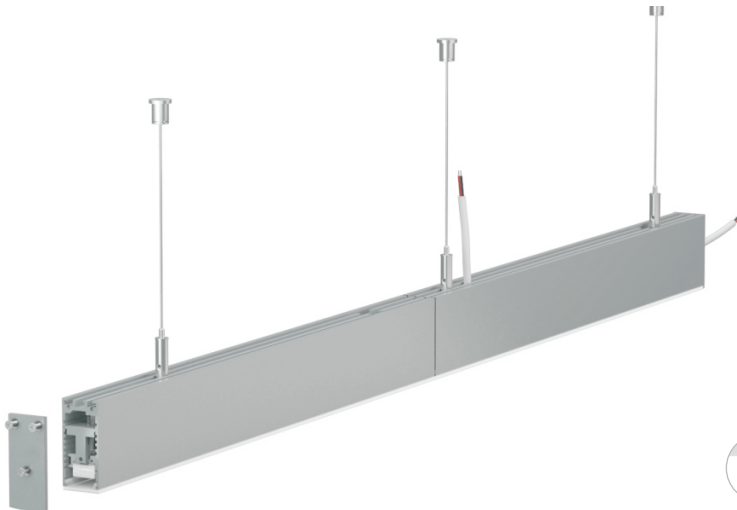
Outer Aluminum Profile		Inner Hybrid Profile (aluminum+plastic)	
			
Silicone Cover	Joining Bracket for Outer Profiles	End Cover	End Cover with Cable Hole
			

Exploded View

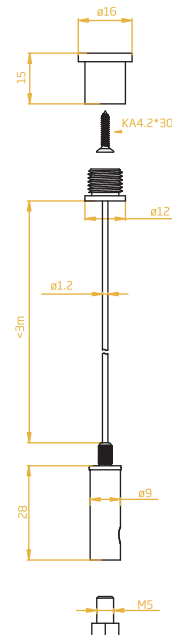
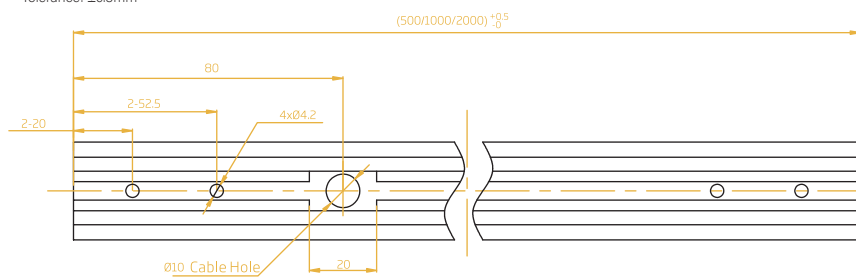
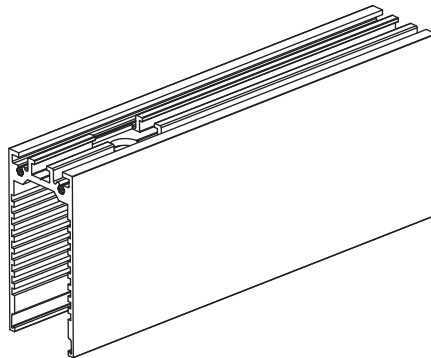
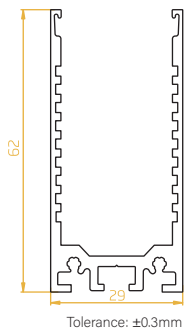


FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Suspended Raceway Aluminium Profile



Dimensions: mm

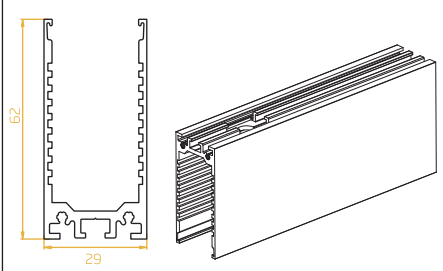
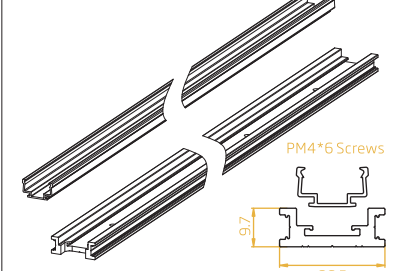
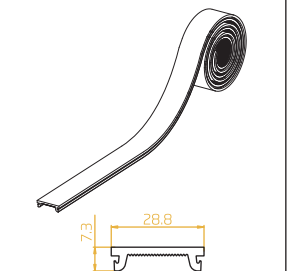
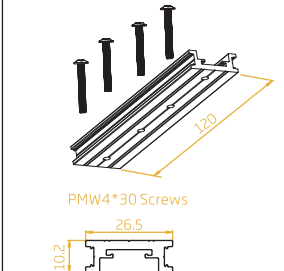
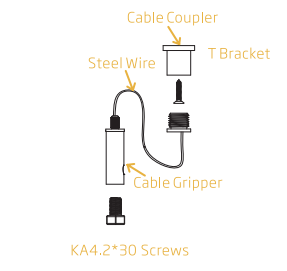
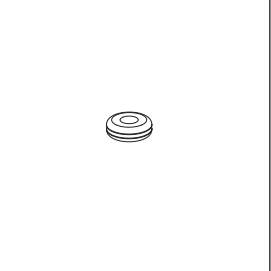


Item Code	Standard Length
FXN - 156 - SR/PL - 500MM - AL	500mm/19.68in
FXN - 156 - SR/PL - 1000MM - AL	1000mm/39.37in
FXN - 156 - SR/PL - 2000MM - AL	2000mm/78.74in

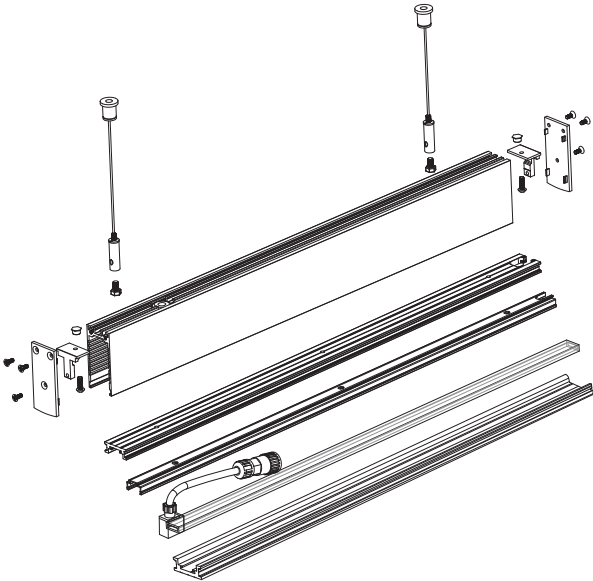
FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

Suspended Raceway Aluminium Profile

Main Components

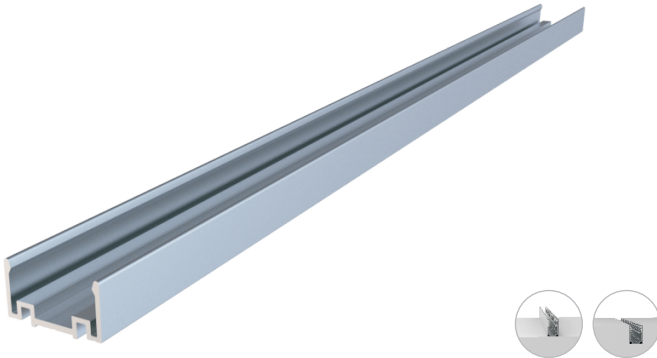
Outer Aluminum Profile 		Inner Hybrid Profile (aluminum+plastic) 		Silicone Cover 
Joining Bracket for Outer Profiles 	Suspended Ceiling Kit 	End Cover 	Rubber Grommet 	

Exploded View

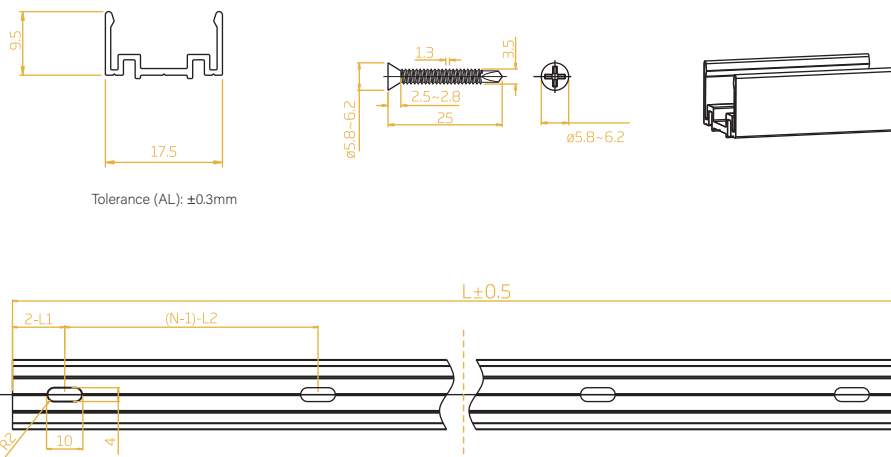


FXN 156 | FLEXIBLE NEON MOUNTING PROFILES

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

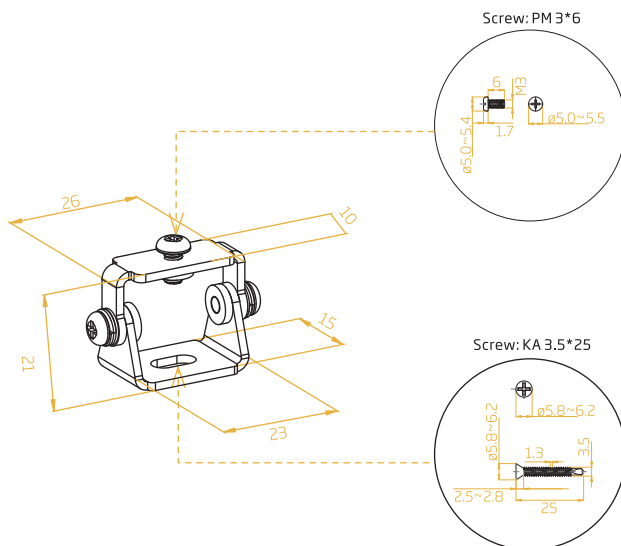
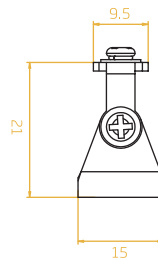
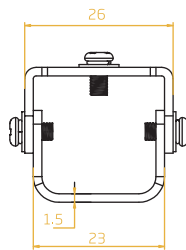
Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
FXN - 156 - A/PL - 35MM - AL	35mm/1.38in	17.5mm/1.97in	/	4*10mm/0.16*0.39in	1
FXN - 156 - A/PL - 500MM - AL	500mm/19.68in	50mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	3
FXN - 156 - A/PL - 1000MM - AL	1000mm/39.37in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	5
FXN - 156 - A/PL - 2000MM - AL	2000mm/78.74in	100mm/3.93in	200mm/7.87in	4*10mm/0.16*0.39in	10

FXN 156 | FLEXIBLE NEON BRACKETS

Pivot Mounting Bracket



Item Code: FXN - 156 - B - PM



Note:
Applicable to all types of mounting profiles

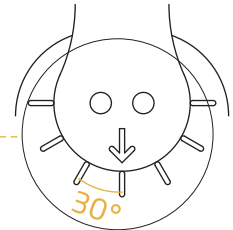
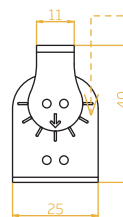
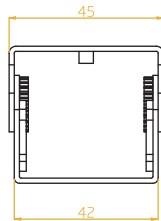


FXN 156 | FLEXIBLE NEON BRACKETS

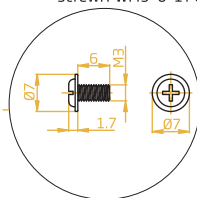
Rotary Locking Bracket



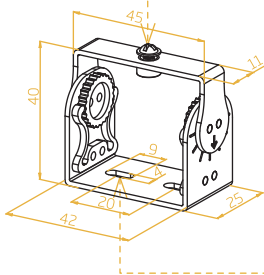
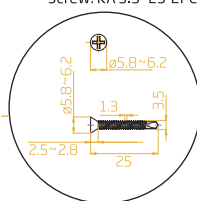
Item Code: FXN - 156 - B - RL



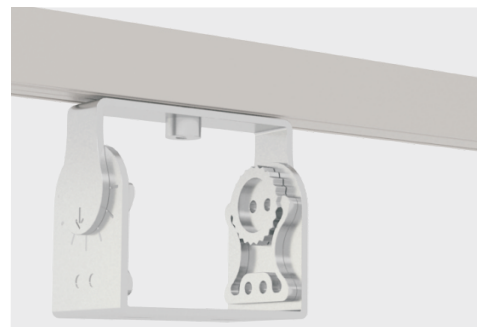
Screw: PWM3*6 1PC



Screw: KA 3.5*25 2PCS



Note:
Applicable to all types of mounting profiles



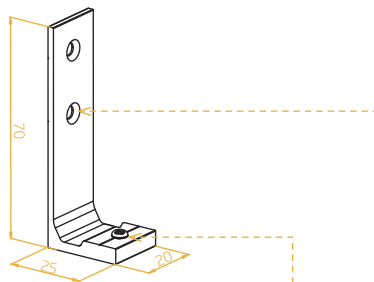
FXN 156 | FLEXIBLE NEON

BRACKETS

Side Mounting Brakcet

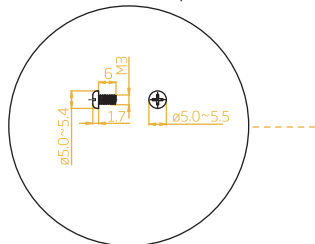


Item Code: FXN – 156 – B – SM

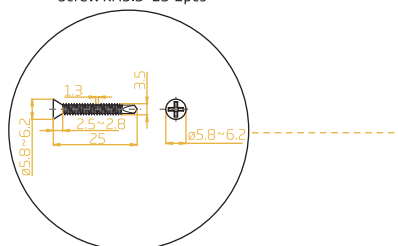


Note:
Applicable to all types of mounting profiles

Screw PM 3*6 1pc



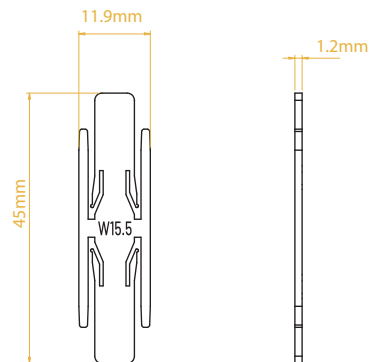
Screw KA3.5*25 2pcs



FXN 156 | FLEXIBLE NEON BRACKETS

Joining Bracket

Item Code: FXN - 156 - B - J



Note: Applicable to serrated aluminium profile and aluminium profile.

