# FXN 1121 | FLEXIBLE NEON

The FXN 1121 is a dynamic, flexible lighting solution for bold, vibrant illumination. With rich RGBW colours and a bendable design, it seamlessly enhances architectural features, retail displays, and event spaces.

Made from durable silicone, FXN 1121 is engineered for reliability with IP67 water resistance and IK08 impact protection.

Easy to install and built to last, it delivers everything from subtle ambient glows to striking colour effects with precision and ease.

XSTREAM	5 YEAR WARRANTY	RGBW	ANODISED ALUMINIUM	IP67	IK08
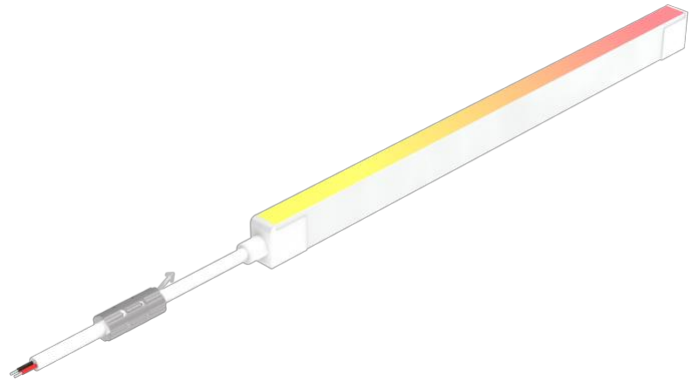
PART NUMBER CONFIGURATOR

Prefix	Model	LED Colour	Control	Bending Direction	Voltage	Power	CRI
FXN	1121	RGBW(27K)	X – X-Stream	HB – Horizontal Bend	24 – 24V DC	8	80
		RGBW(30K)	SPI			12	90
		RGBW(40K)	DMX			15	
		RGB				18	
		White (27K-57K)					

EXAMPLE: FXN – 1121 – RGBW(27K) – X – HB – 24 – 8 – 90

SPECIFICATIONS

Electrical		
	Power Consumption	15W per metre (fixed, standard configuration)
	Operating Voltage	24V DC
	Installation Temperature	-40ºC TO 50ºC - (-40ºF TO 122ºF)
	Operating Temperature	-40ºC TO 55ºC - (-40ºF TO 131ºF)
	Storage Temperature	-40ºC TO 60ºC - (-40ºF TO 140ºF)
	Voltage Drop (%)	0.83% (3m of light) / 2.08% (5m of light) / 5.83% (8m of light)
Physical	Dimensions	L: 1000mm – H: 21mm – W: 11.5mm
	Housing / Lens	Silicone
	Weight/m	325g
	IK Rating	IK08
	IP Rating	IP67
	Min. Cutting Unit	6LEDs(1unit)
	Min. Cutting Length	100mm(1unit)
	Unit/m (Pixels Qty/m)	8 pixels
	Connectors	Injection-moulded connector, Dual injection-moulded connector, and male and female connectors
	Mounting Options	Standard Aluminium, Plastic, Spring Clip Aluminium, Bendable Stainless Steel Profiles, Cable Exit-Oriented Aluminium, and Corner Aluminium
	Data Maximum Run Length	48m @ 8pixels/m – 6 universes
Optical	Beam Angle	120º
	Colour Range	RGBW, RGB, White
	LED Qty/m	60LEDs
	LED Type	EPISTAR SMD LED
	LED Distance	16.67mm
	Total Lumens	>120lm/m
Control	Dimming Protocols	**X-Stream:** SPI protocol with data redundancy
		Others – SPI, DMX
Fixture Rating & Certifications	UL LISTED, CE RoHs COMPLIANT	
Limited Warranty	5 Years	Extendable warranty available

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LED Control PTE LTD UEN 201923077G
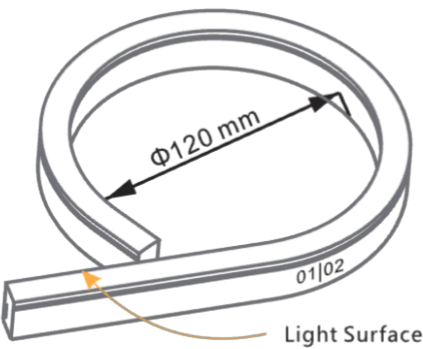Ⓒ 2025 LEDCTRL. ALL RIGHTS RESERVED.

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DIMENSIONS & MOUNTING

DIMENSIONS OF LIGHT
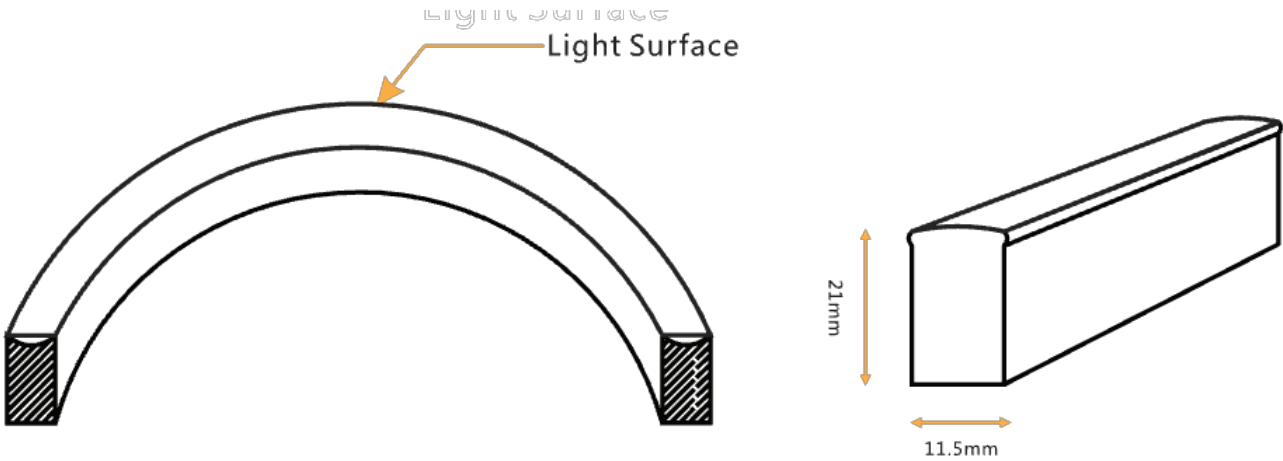
Note: Unless otherwise stated, the tolerance of the light is ±0.3mm.

21mm

11.5mm

MINIMUM BEND DIAMETER

Φ120 mm

Light Surface

The light can only be bent laterally
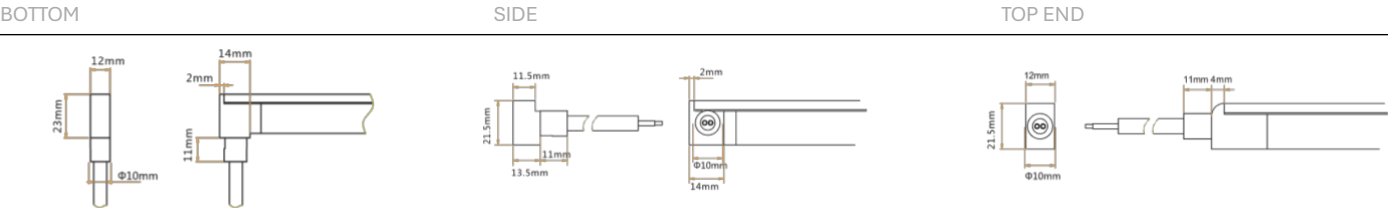(opposite bend along to the light surface)
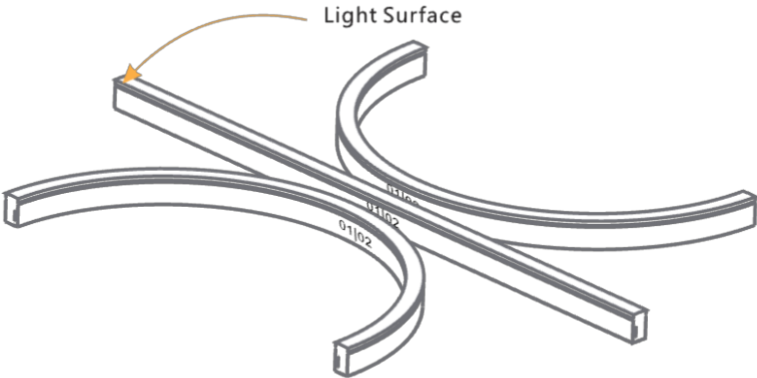
Do not bend smaller than allowed minimum bend diameter.

TYPES OF CONNECTORS

INJECTION-MOULDED CONNECTOR

1. Unless otherwise stated, the tolerance of the connector is ±0.5mm;
2. Continuous length up to 8m by powering one end.

The light is connected to the power supply with a pre-installed IP67 side feed cable. Cable lengths are available in 0.3m, 1m, 3m, 5m, and 10m.
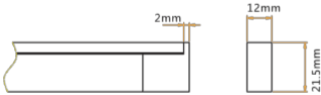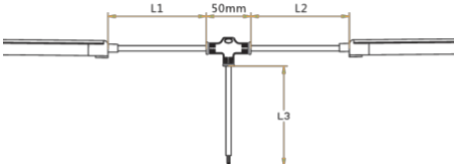
BOTTOM	SIDE	TOP END

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TYPES OF CONNECTORS

INJECTION-MOULDED CONNECTOR

1. Unless otherwise stated, the tolerance of the connector is ±0.5mm;
2. Continuous length up to 8m by powering one end.

JUMPER	END CAP	T-FEED
Connects two pieces of lights with a flexible cable. IP67 Injection-moulded connector. L available in 0.3 ≈ 1m. Maximum 8 Jumpers in 20m. Maximum 4 Jumpers in 10m.	Pre-installed termination protection of the light, IP67.	Connects two pieces of lights with a T joint, energized from the middle. IP67 Injection-moulded connector. L1 and L2 available in 0.15 ≈ 0.5m. L3 available in 0.3 ≈ 3m. Maximum 8 T-feeds in 20m. Maximum 4 T-feeds in 10m.

ANTI-WICKING FERRULE

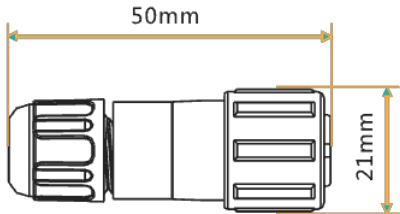Note: Unless otherwise stated, the tolerance is ±0.5mm.
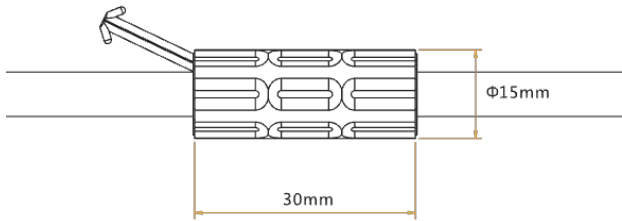
The anti-wicking ferrule is located at 115mm (±5mm tolerance) from the connector on the table

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

MALE & FEMALE CONNECTOR

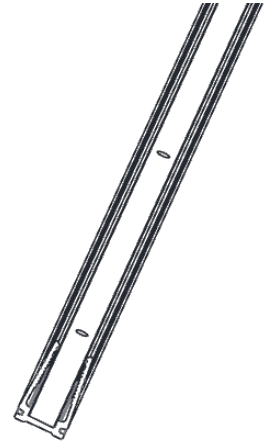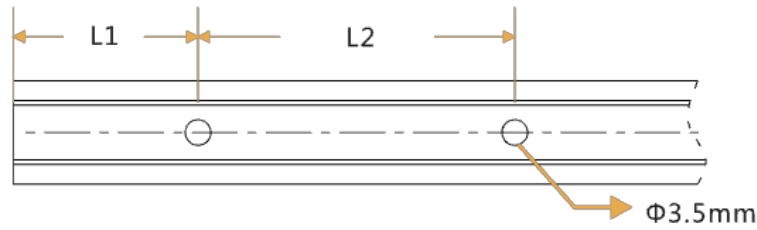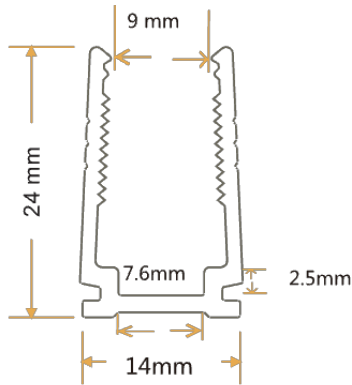Note: Unless otherwise stated, the tolerance is ±2mm.

For plug and play cable junction, DIY or Pre-installed connector, IP68

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MOUNTING PROFILES

PLASTIC PROFILE

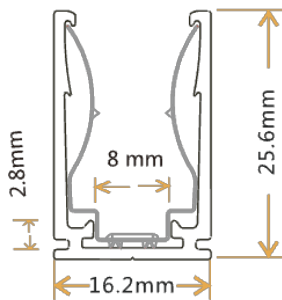
Installation Way

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm.

Model	W*H(mm)	Standard Length (mm)	L1 (mm)	L2 (mm)	Screw Hole (mm)	Hole Number	For Product
F15-PC/PL	14*24	500	50	200	Φ3.5	3	F11, F15, F21
		1000	100	200	Φ3.5	5	F11, F15, F21
		2000	100	200	Φ3.5	10	F11, F15, F21

SPRING CLIP ALUMINIUM PROFILE
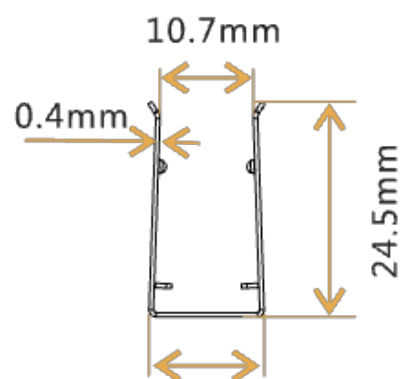

Installation Way

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

Model	W*H(mm)	Standard Length(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	Hole Screw(mm)	Hole Number	Clip Number
F15-SCA/PL	16.2*25.6	35	17.5	/	5	25	Φ3.5	2	1
		500	25	225	50	200	Φ3.5	3	3
		1000	25	237.5	100	200	Φ3.5	5	5
		2000	25	243.8	100	200	Φ3.5	10	9

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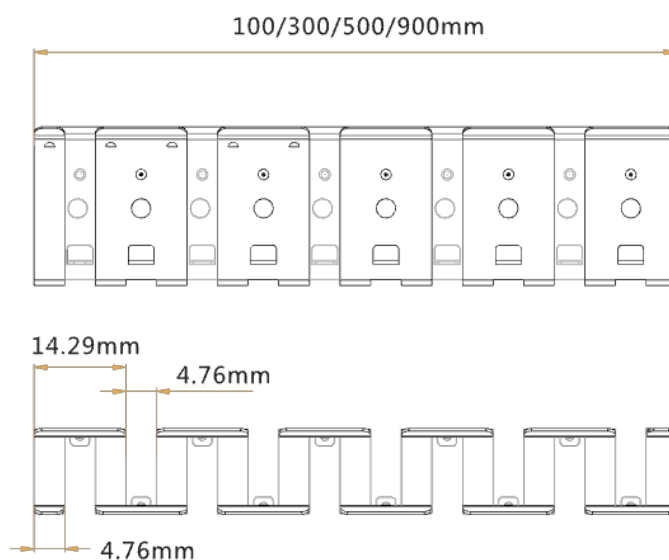© 2025 LEDCTRL. ALL RIGHTS RESERVED.

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MOUNTING PROFILES

BENDABLE STAINLESS STEEL PROFILE

Installation Way

100/300/500/900mm

14.29mm
4.76mm
4.76mm
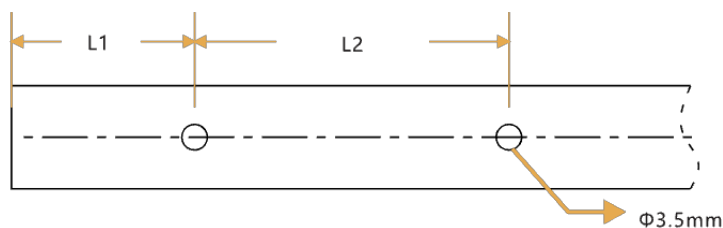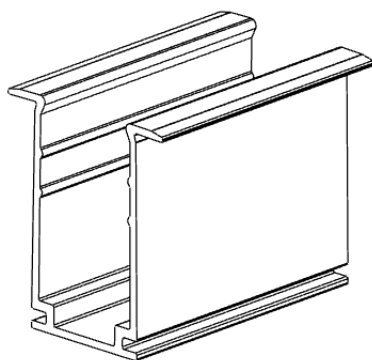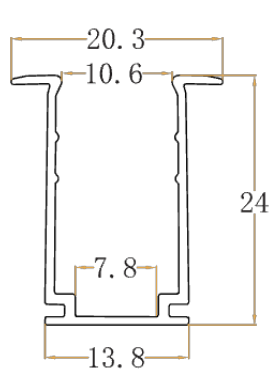
Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

RECESSED MOUNTING PROFILE

Installation Way

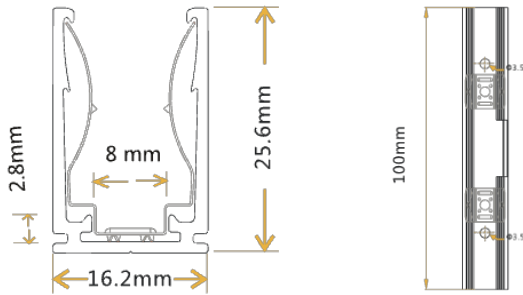Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

Model	W*H(mm)	Standard Length (mm)	L1 (mm)	L2 (mm)	Screw Hole (mm)	Hole Number	For Product
F15-RMA/PL	18*13.2	35	5	25	Φ3.5	2	F15
		500	50	200	Φ3.5	3	F15
		1000	100	200	Φ3.5	5	F15
		2000	100	200	Φ3.5	10	F15

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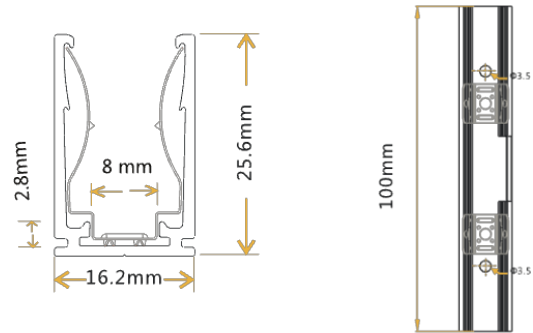
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MOUNTING PROFILES

CABLE EXIT ORIENTED ALUMINIUM PROFILE

SPRING CLIP ALUMINIUM PROFILE – MIDDLE FEED
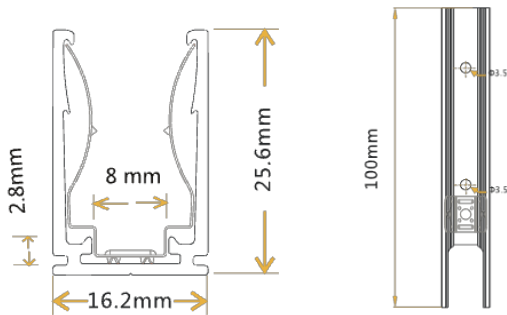

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

SPRING CLIP ALUMINIUM PROFILE – SIDE FEED

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

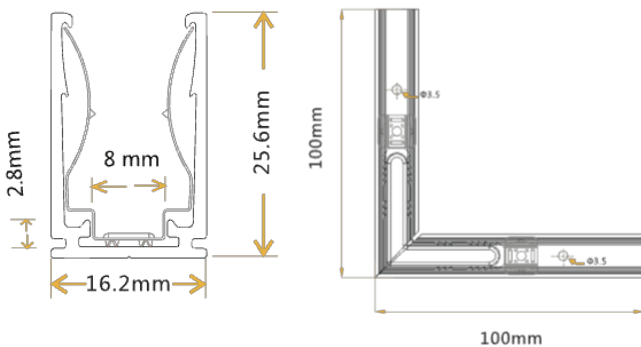SPRING CLIP ALUMINIUM PROFILE – BOTTOM FEED

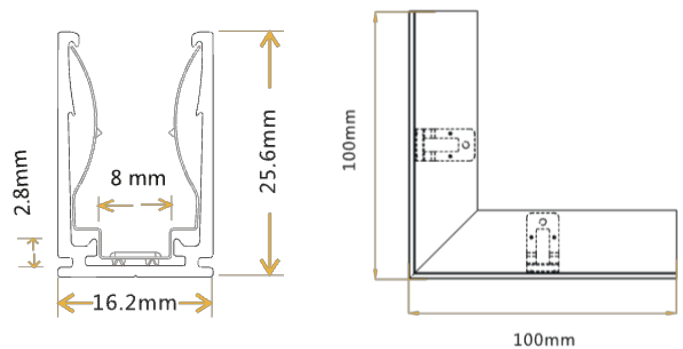Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

CORNER ALUMINIUM PROFILE

L – SHAPE SPRING CLIP ALUMINIUM PROFILE

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

INWARD L – SHAPE SPRING CLIP ALUMINIUM PROFILE

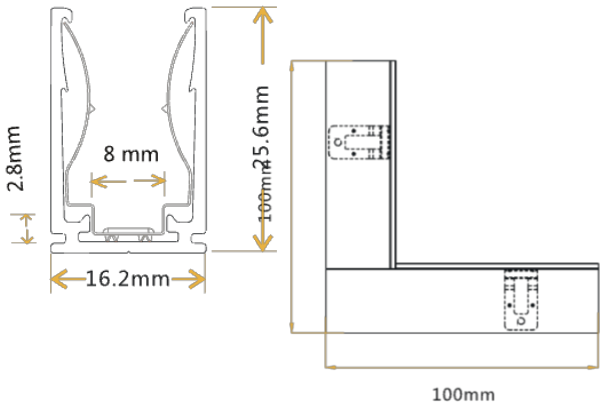Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

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MOUNTING PROFILES

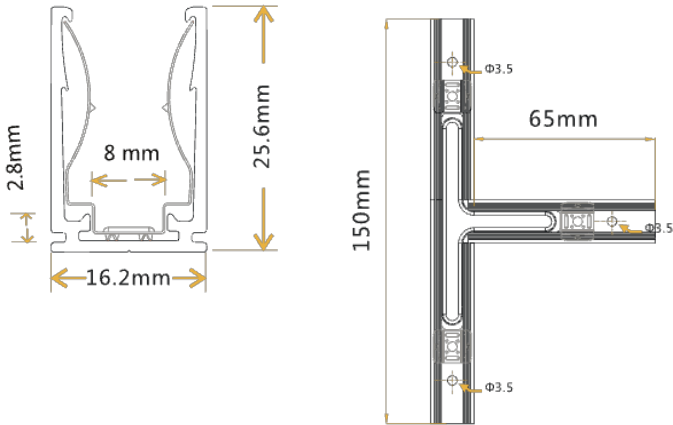### CORNER ALUMINIUM PROFILE

OUTWARD L – SHAPE SPRING CLIP ALUMINIUM PROFILE
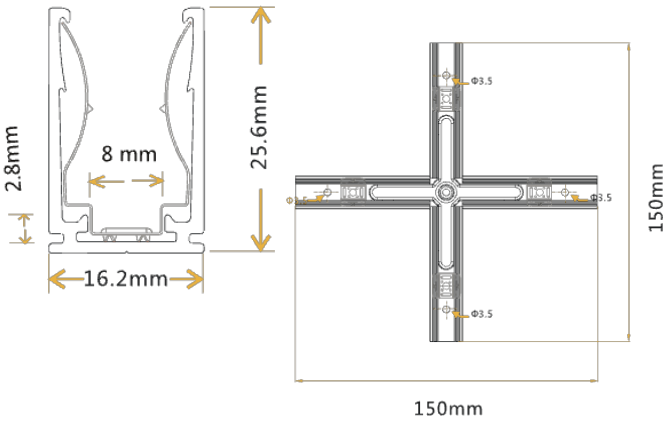

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

T – SHAPE SPRING CLIP ALUMINIUM PROFILE

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

X – SHAPE SPRING CLIP ALUMINIUM PROFILE

Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm