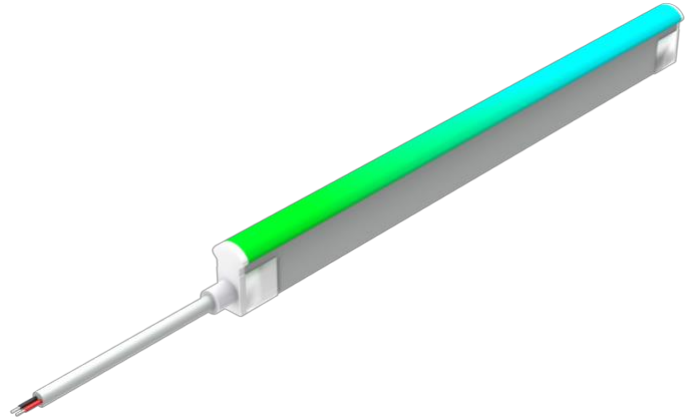


## FXN 1129 | FLEXIBLE NEON

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 high-quality 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
FXN	1129	RGBW(27K) RGBW(30K) RGBW(40K) RGB RGBA White (27K-57K)	X – X-Stream SPI DMX	HB – Horizontal Bend	24 – 24V DC	6 8 9 12 15	80 90
<b>EXAMPLE:</b> FXN – 1129 – RGBA – X – HB – 24 – 12 – 90							

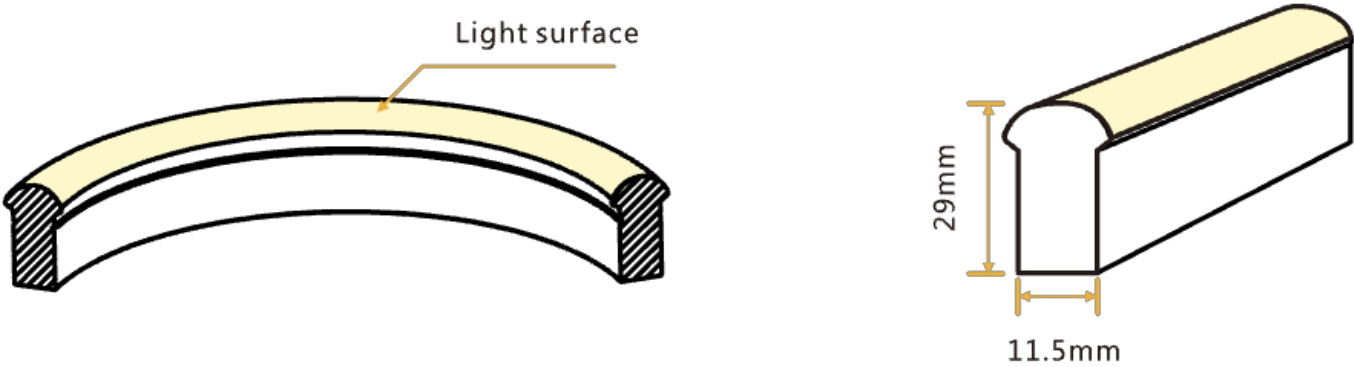
### SPECIFICATIONS

<b>Electrical</b>	<b>Power Consumption</b> <b>Operating Voltage</b> <b>Installation Temperature</b> <b>Operating Temperature</b> <b>Storage Temperature</b> <b>Voltage Drop (%)</b>	15W per metre (fixed, standard configuration) 24V DC -40°C TO 50°C - (-40°F TO 122°F) -40°C TO 55°C - (-40°F TO 113°F) -40°C TO 60°C - (-40°F TO 140°F) 0.83% (3m of light) / 2.08% (5m of light) / 5.83% (8m of light)
<b>Physical</b>	<b>Dimensions</b> <b>Housing / Lens</b> <b>Weight/m</b> <b>IK Rating</b> <b>IP Rating</b> <b>Min. Cutting Unit</b> <b>Min. Cutting Length</b> <b>Unit/m (Pixel Qty/m)</b> <b>Connectors</b>  <b>Mounting Options</b>  <b>Data Maximum Run Length</b>	L: 1000mm – H: 29mm – W: 11.5mm Silicone 450g IK08 IP67 6LEDs(1unit) 100mm(1unit) 8 pixels Injection-moulded connector, Dual injection-moulded connector, and male and female connectors Standard Aluminium, Plastic, Spring Clip Aluminium, Bendable Stainless Steel Profiles, Cable Exit-Oriented Aluminium, and Corner Aluminium 48m @ 8pixels/m – 6 universes
<b>Optical</b>	<b>Beam Angle</b> <b>Colour Range</b> <b>LED Qty/m</b> <b>LED Type</b> <b>LED Distance</b> <b>Total Lumens</b>	160° RGBW, RGB, RGBA, White 60LEDs EPISTAR SMD LED 16.67mm >140lm/m
<b>Control</b>	<b>Dimming Protocols</b>	<b>X-Stream:</b> SPI protocol with data redundancy Others – SPI, DMX
<b>Fixture Rating &amp; Certifications</b>	<b>UL LISTED, CE</b> <b>RoHS COMPLIANT</b>	
<b>Limited Warranty</b>	<b>5 Years</b>	Extendable warranty available

FXN 1129 | FLEXIBLE NEON

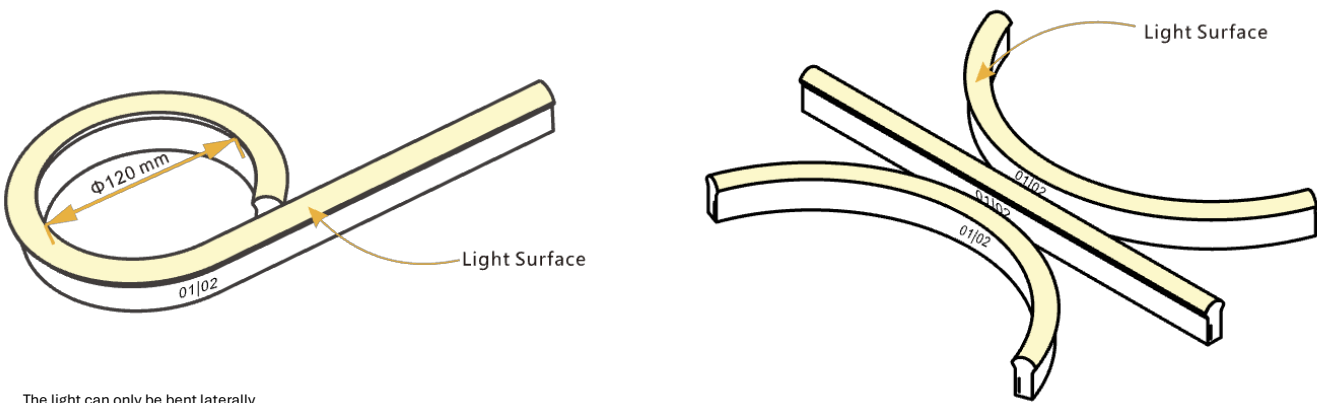
DIMENSIONS & MOUNTING

DIMENSIONS OF LIGHT



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

MINIMUM BEND DIAMETER



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

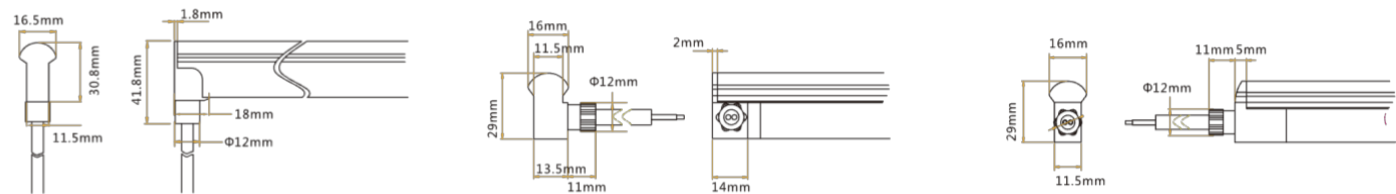
- Unless otherwise stated, the tolerance of the connector is ±0.5mm;
- Continuous length up to 8m by powering one end.

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


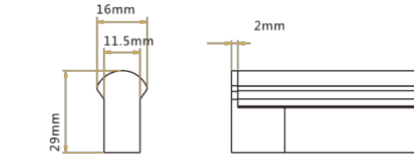
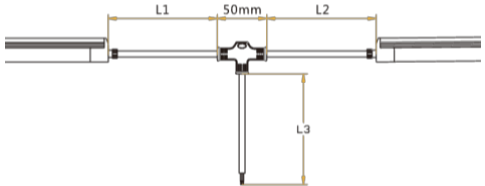


FXN 1129 | FLEXIBLE NEON

TYPES OF CONNECTORS

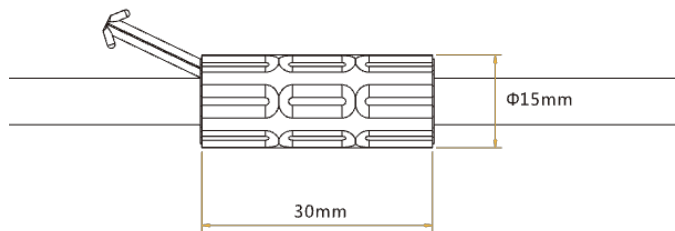
INJECTION-MOULDED CONNECTOR

- Unless otherwise stated, the tolerance of the connector is  $\pm 0.5\text{mm}$ ;
- Continuous length up to 8m by powering one end.

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

ANTI-WICKING FERRULE

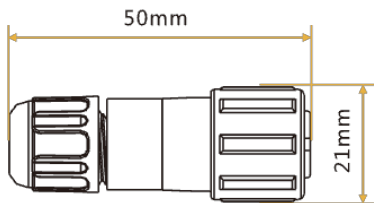
Note: Unless otherwise stated, the tolerance is  $\pm 0.5\text{mm}$ .



The anti-wicking ferrule is located at 115mm ( $\pm 5\text{mm}$  tolerance) from the connector on the table

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

MALE & FEMALE CONNECTOR

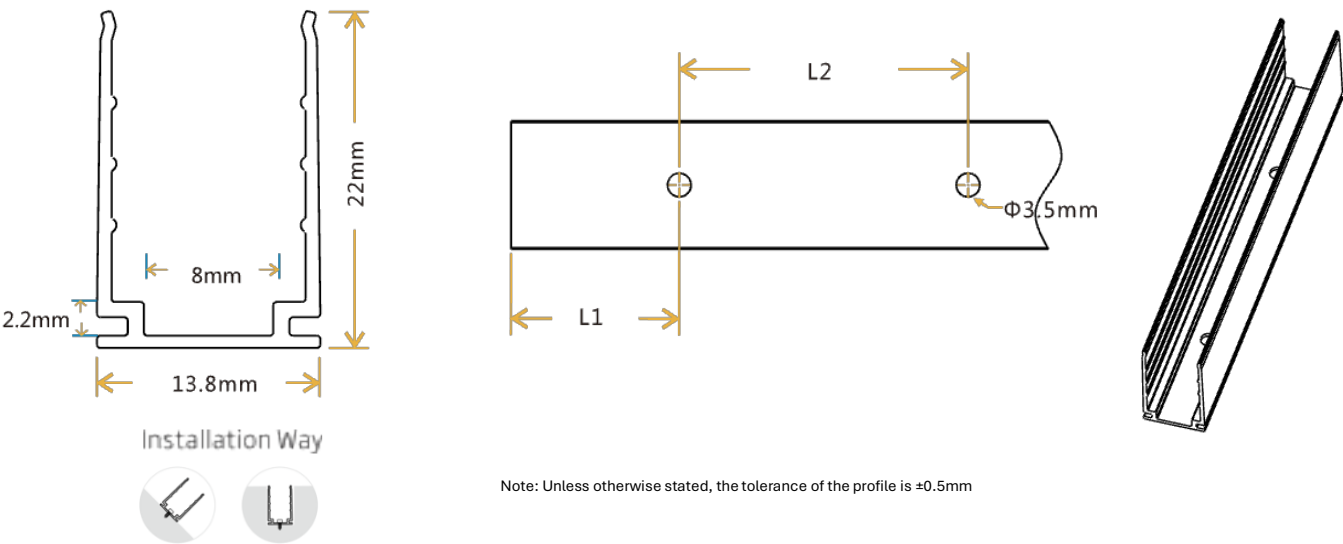


For plug-and-play cable junction, DIY or Pre-installed connector, IP68

FXN 1129 | FLEXIBLE NEON

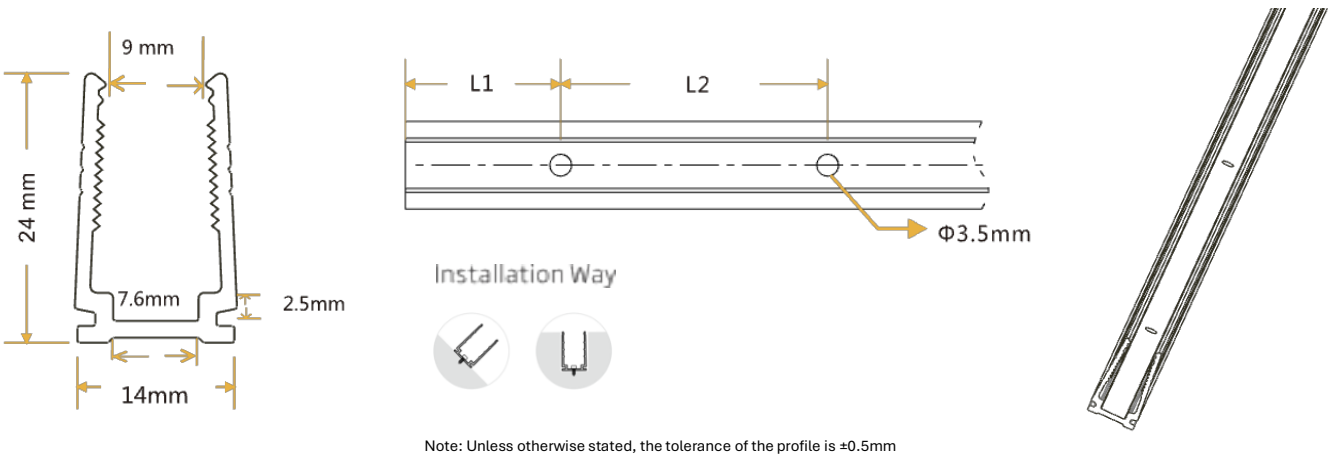
MOUNTING PROFILES

STANDARD ALUMINIUM PROFILE



Model	W*H(mm)	Standard Length (mm)	L1 (mm)	L2 (mm)	Screw Hole (mm)	Hole Number
F21-A/PL	13.8*22	35	17.5	/	$\Phi 3.5$	1
		500	50	200	$\Phi 3.5$	3
		1000	100	200	$\Phi 3.5$	5
		2000	100	200	$\Phi 3.5$	10

PLASTIC PROFILE

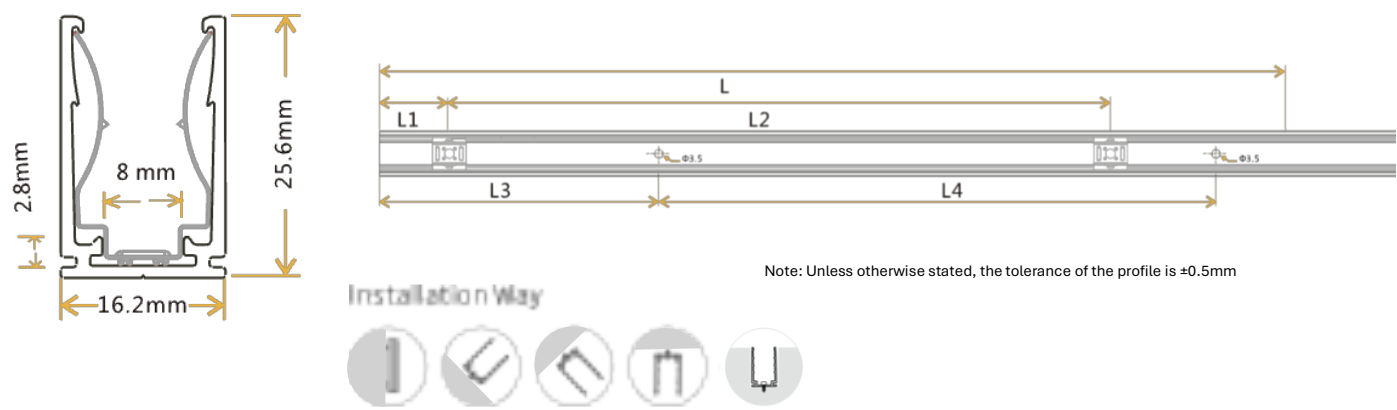


Model	W*H(mm)	Standard Length (mm)	L1 (mm)	L2 (mm)	Screw Hole (mm)	Hole Number
F21-P/PL	14*24	500	50	200	$\Phi 3.5$	3
		1000	100	200	$\Phi 3.5$	5
		2000	100	200	$\Phi 3.5$	10

FXN 1129 | FLEXIBLE NEON

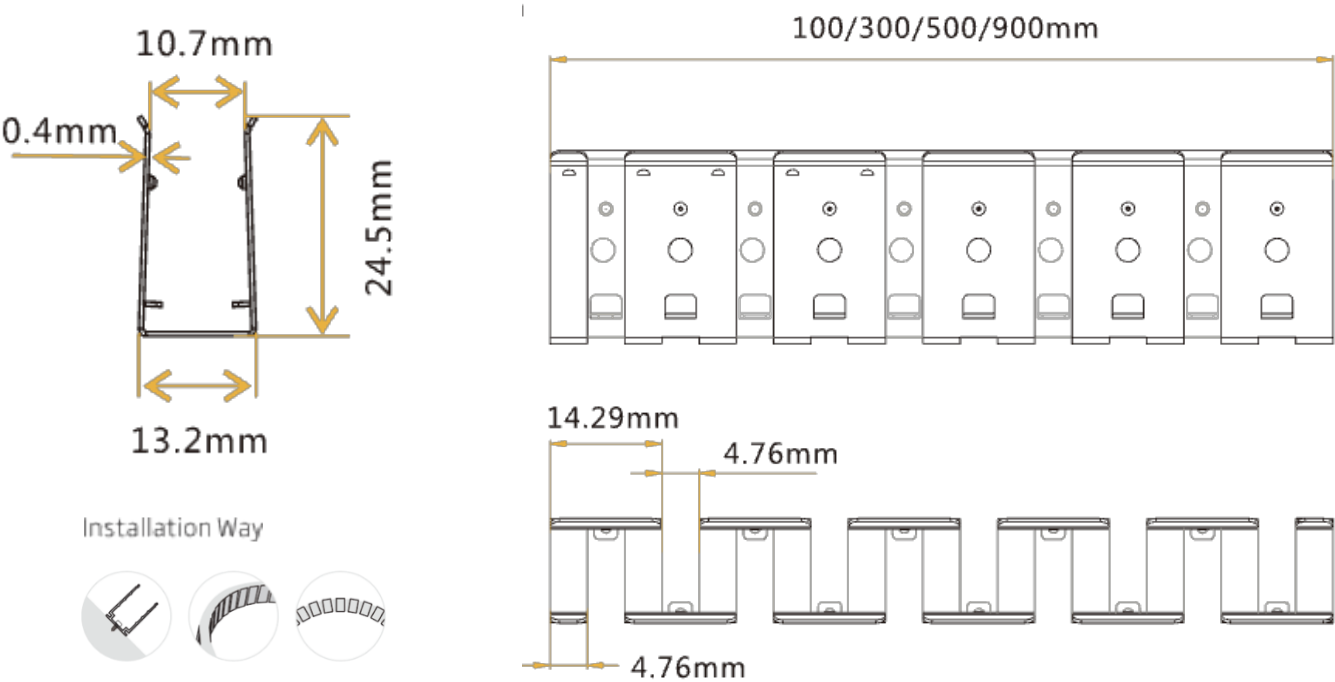
MOUNTING PROFILES

SPRING CLIP ALUMINIUM PROFILE



Model	W*H(mm)	Standard Length(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	Hole Screw(mm)	Hole Number	Clip Number
F21-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

BENDABLE STAINLESS STEEL PROFILE

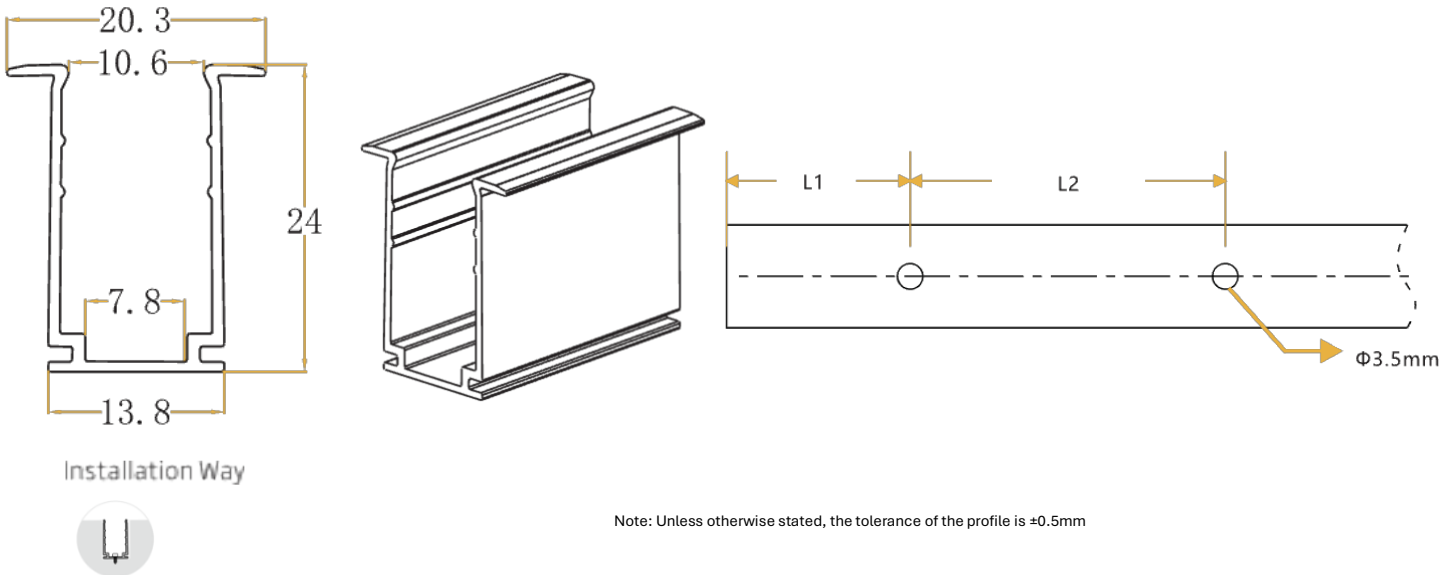


Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm

FXN 1129 | FLEXIBLE NEON

MOUNTING PROFILES

RECESSED MOUNTING PROFILE



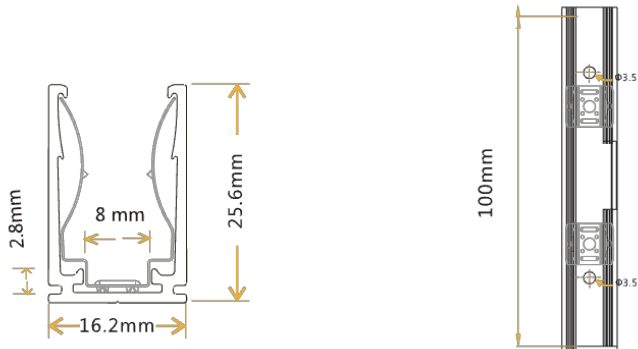
Model	W*H(mm)	Standard Length (mm)	L1 (mm)	L2 (mm)	Screw Hole (mm)	Hole Number
F21-RMA/PL	20.3*24	35	5	25	Φ3.5	2
		500	50	200	Φ3.5	3
		1000	100	200	Φ3.5	5
		2000	100	200	Φ3.5	10

## FXN 1129 | FLEXIBLE NEON

### MOUNTING PROFILES

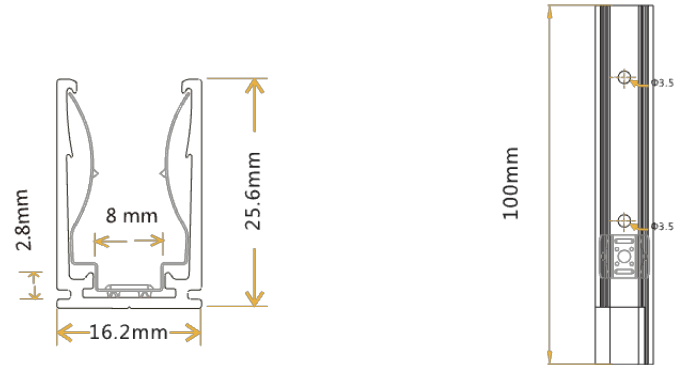
#### CABLE EXIT ORIENTED ALUMINIUM PROFILE

##### SPRING CLIP ALUMINIUM PROFILE – MIDDLE FEED



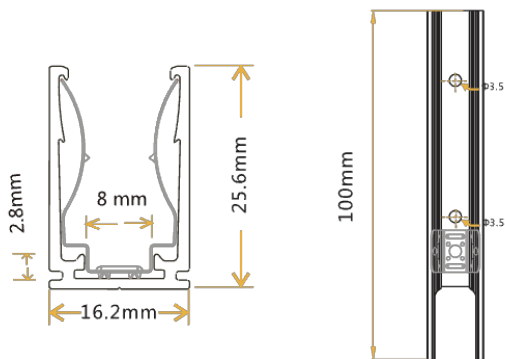
Note: Unless otherwise stated, the tolerance of the profile is  $\pm 0.5\text{mm}$

##### SPRING CLIP ALUMINIUM PROFILE – SIDE FEED



Note: Unless otherwise stated, the tolerance of the profile is  $\pm 0.5\text{mm}$

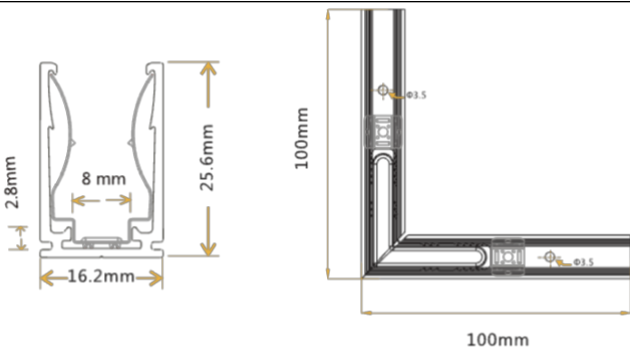
##### SPRING CLIP ALUMINIUM PROFILE – BOTTOM FEED



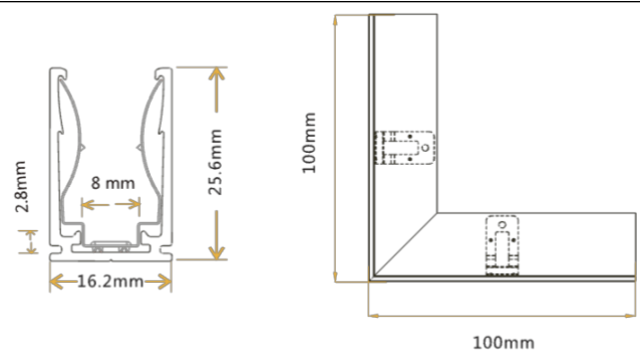
Note: Unless otherwise stated, the tolerance of the profile is  $\pm 0.5\text{mm}$

#### CORNER ALUMINIUM PROFILE

##### L – SHAPE SPRING CLIP ALUMINIUM PROFILE



##### INWARD L – SHAPE SPRING CLIP ALUMINIUM PROFILE

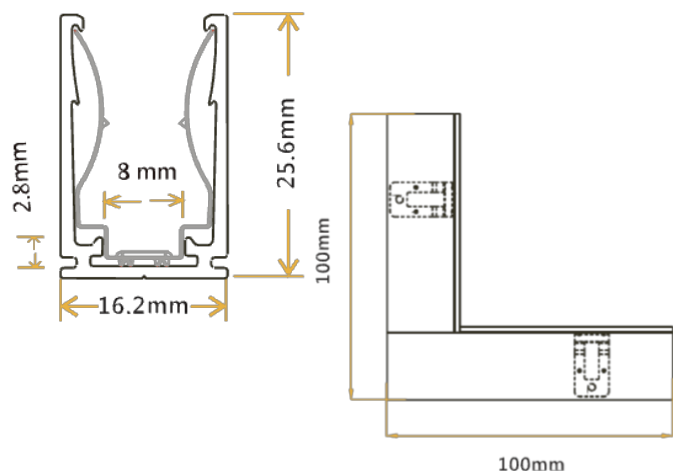


### FXN 1129 | FLEXIBLE NEON

#### MOUNTING PROFILES

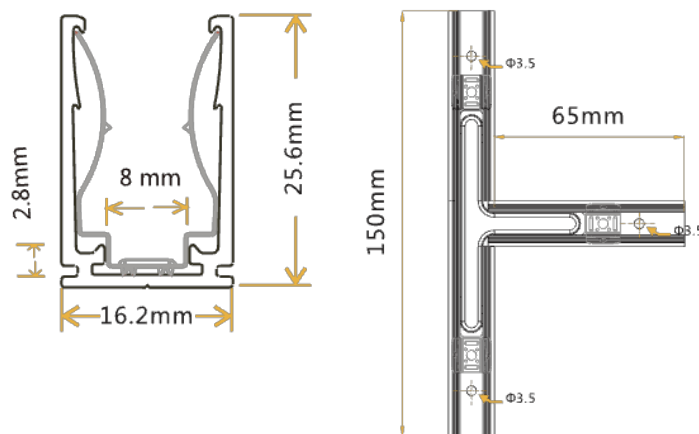
#### CORNER ALUMINIUM PROFILE

##### OUTWARD L – SHAPE SPRING CLIP ALUMINIUM PROFILE



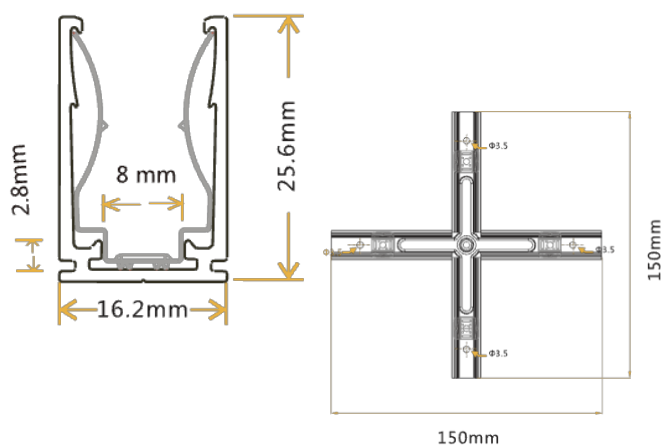
Note: Unless otherwise stated, the tolerance of the profile is  $\pm 0.5\text{mm}$

##### T – SHAPE SPRING CLIP ALUMINIUM PROFILE



Note: Unless otherwise stated, the tolerance of the profile is  $\pm 0.5\text{mm}$

##### X – SHAPE SPRING CLIP ALUMINIUM PROFILE



Note: Unless otherwise stated, the tolerance of the profile is  $\pm 0.5\text{mm}$