## FXN 2219 | FLEXIBLE NEON

The FXN 2219 is a high-performance SPI pixel lighting solution, delivering individually addressable segments for dynamic colour effects and animations. Designed for architectural and commercial applications, it offers precise control with built-in UCS2903 or UCS2904 IC chips.

Constructed for durable silicone, the FXN 2219 ensures long-lasting performance with IP67 water resistance and IK10 impact protection.

Its UV-resistant design withstands temperatures from -40ºC to 45ºC, making it ideal for harsh environments and demanding lighting installations.

XSTREAM | 5 YEAR WARRANTY | RGBW | ANODISED ALUMINIUM | IP67 | IK10
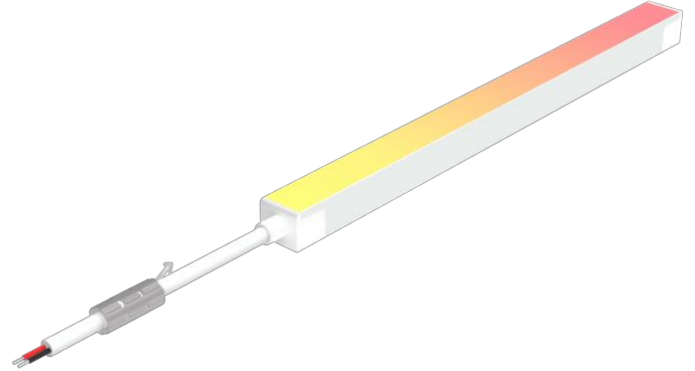
PART NUMBER CONFIGURATOR

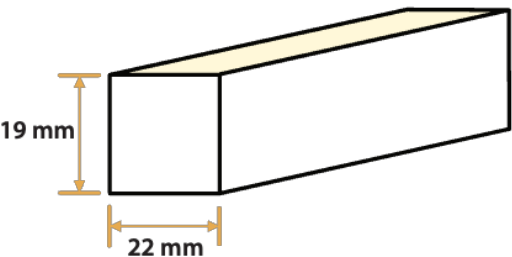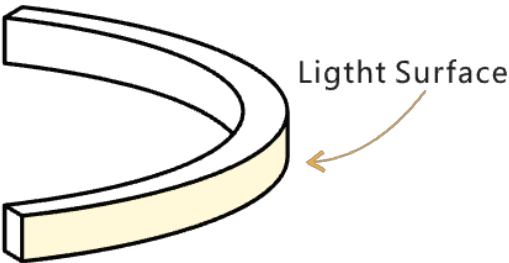| Prefix	Model	LED Colour	Control	Bending Direction	Voltage	Power	CRI
FXN	2219	RGBW(27K) RGBW(30K) RGBW(40K) RGB White (27K-57K)	X – X-Stream SPI DMX	VB – Vertical Bend	24 – 24V DC	12 15 16.5 18 22	80
EXAMPLE: FXN – 2219 – RGBW/27K) – X – VB – 24 – 15 – 80							

SPECIFICATIONS

Electrical	**Power Consumption**	16.5W per metre (fixed, standard configuration)
	Operating Voltage	24V DC
	Installation Temperature	-40ºC TO 50ºC - (-40ºF TO 122ºF)
	Operating Temperature	-40ºC TO 45ºC - (-40ºF TO 113ºF)
	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: 19mm – W: 22mm
	Housing / Lens	Silicone
	Weight/m	0.55kg/m
	IK Rating	IK10
	IP Rating	IP67
	Min. Cutting Unit	7LEDs(1unit)
	Min. Cutting Length	83.3mm(1unit)
	Unit/m (Pixel Qty/m)	12
	Connectors	Injection-moulded connector, and male and female connectors
	Mounting Options	Serrated Aluminium Profile, and Flange Serrated Aluminium Profile
	Maximum Run Length	64m @ 12pixels/m – 6 universes
Optical	**Beam Angle**	120º
	Colour Range	RGBW, RGB, White
	LED Qty/m	84LEDs
	LED Type	EPISTAR SMD LED 5050
	LED Distance	16.67mm
	Total Lumens	>65lm/m
Control	**Dimming Protocols**	**X-Stream:** SPI protocol with data redundancy Others – SPI, DMX
Fixture Rating & Certifications	**UL LISTED, CE** **RoHs COMPLIANT**	UL CE RoHS
Limited Warranty	**5 Years**	Extendable warranty available

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DIMENSIONS & MOUNTING

DIMENSIONS OF LIGHT

Light Surface

19 mm

22 mm

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

MINIMUM BEND DIAMETER

φ 300 mm

Light Surface

Light Surface

φ 300 mm
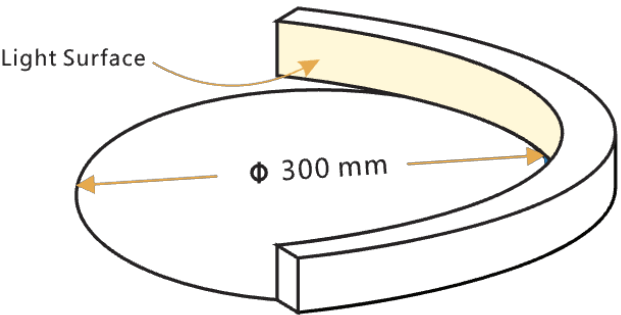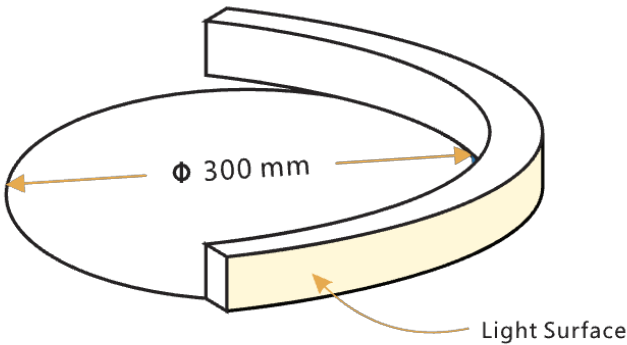
The light can only be bent along the light surface. Do not bend smaller than allowed minimum bend diameter.
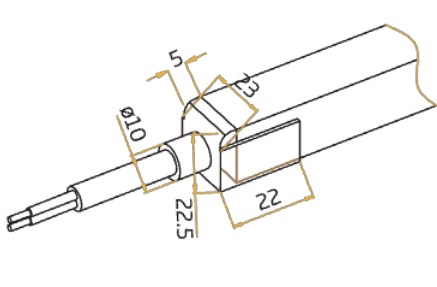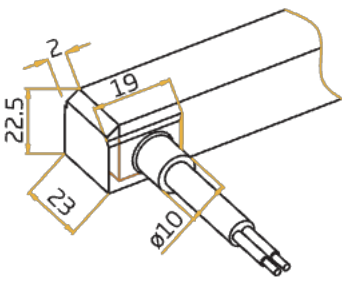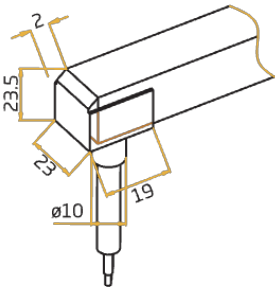
TYPES OF CONNECTORS

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.

A pre-installed IP67 side feed cable connects the light to the power supply.
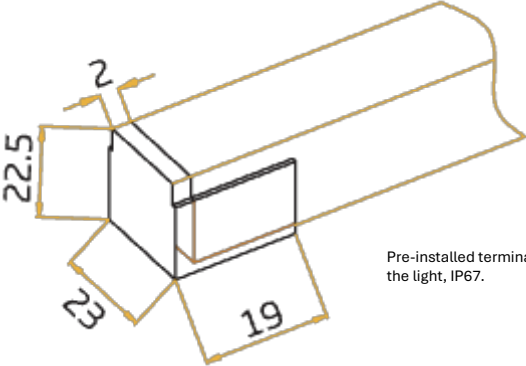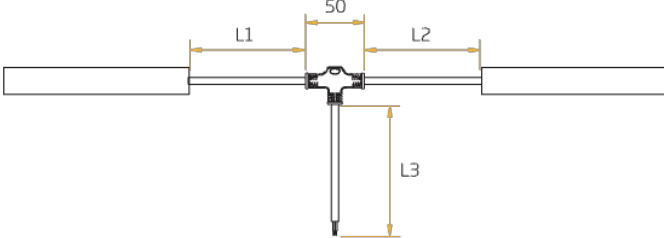Cable lengths are available in 0.3m, 1m, 3m, 5m, and 10m.

BOTTOM	SIDE	TOP END

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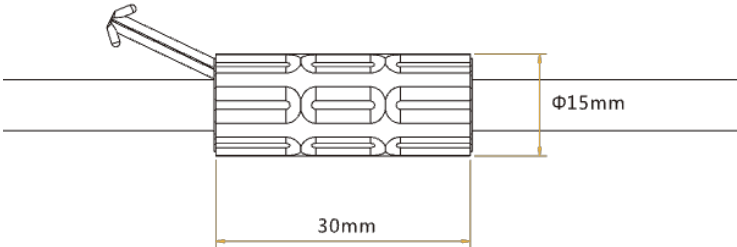
TYPES OF CONNECTORS
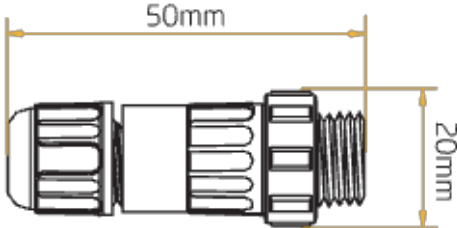
INJECTION-MOULDED CONNECTOR

END CAP	T-FEED
Pre-installed termination protection of the light, IP67.	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. 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

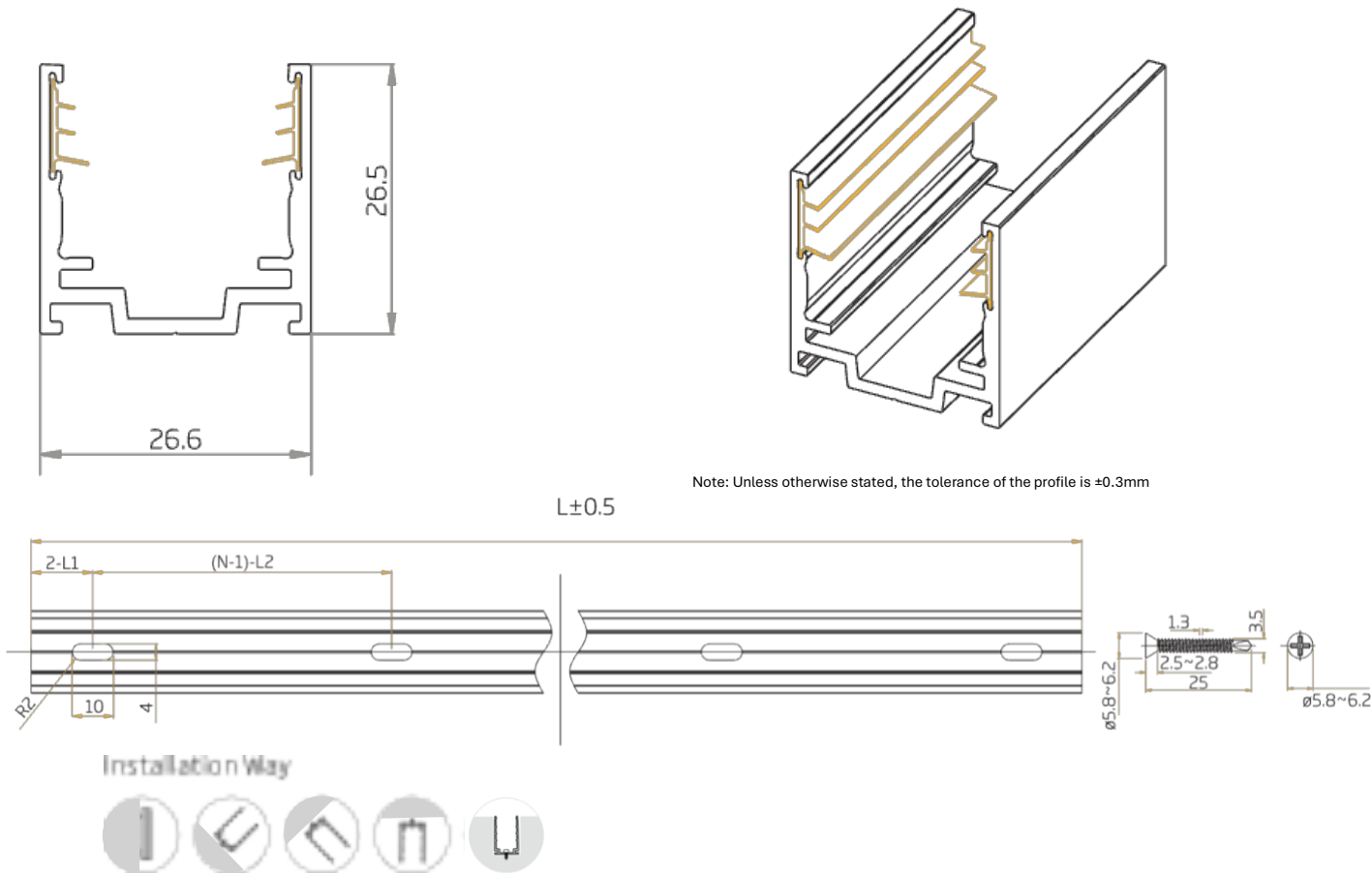For protection against water ingress from inside the cable wire and hence damage to the light

MALE & FEMALE CONNECTOR

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

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MOUNTING PROFILES

SERRATED ALUMINIUM PROFILE

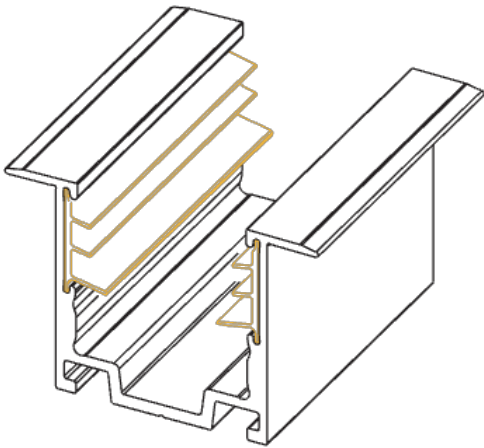Note: Unless otherwise stated, the tolerance of the profile is ±0.3mm

Installation Way

Item Code	Standard Length(mm)	L1(mm)	L2(mm)	Slotted Hole	Hole Number
F2219-SA/PL-20MM-AL	20	10	/	4*10mm/0.16*0.39in	1
F2219-SA/PL-500MM-AL	500	50	200	4*10mm/0.16*0.39in	3
F2219-SA/PL-1000MM-AL	1000	100	200	4*10mm/0.16*0.39in	5
F2219-SA/PL-2000MM-AL	2000	100	200	4*10mm/0.16*0.39in	10

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MOUNTING PROFILES

FLANGE SERRATED ALUMINIUM PROFILE

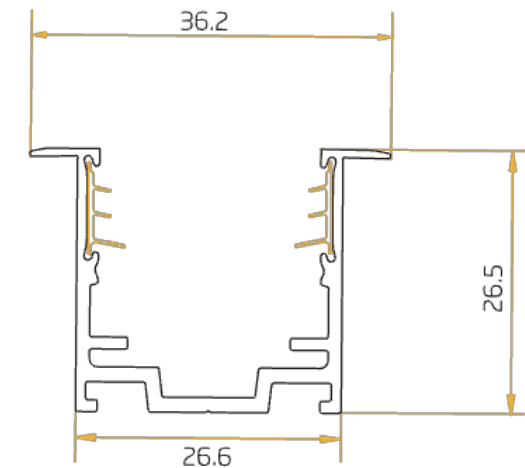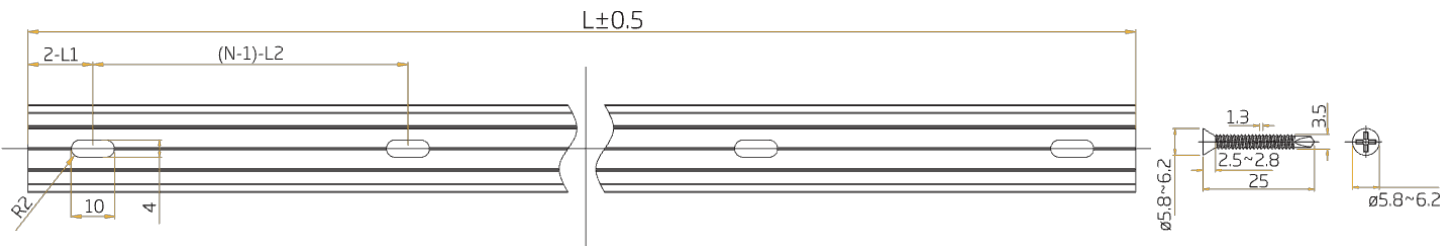Note: Unless otherwise stated, the tolerance of the profile is ±0.3mm

Installation Way

Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
F2219-FSA/PL-20MM-AL	20	10	/	4*10mm/0.16*0.39in	1
F2219-FSA/PL-500MM-AL	500	50	200	4*10mm/0.16*0.39in	3
F2219-FSA/PL-1000MM-AL	1000	100	200	4*10mm/0.16*0.39in	5
F2219-FSA/PL-2000MM-AL	2000	100	200	4*10mm/0.16*0.39in	10