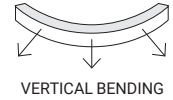
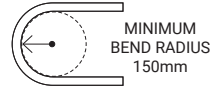
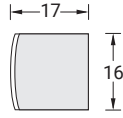
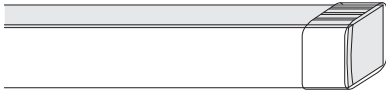


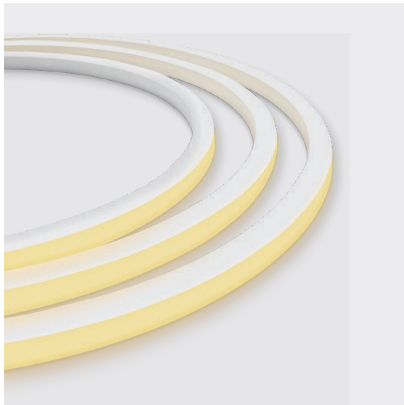
For Installation of NEON ARC Continuous LED Solution IP67 (24VDC)

Product drawing (dimensions)

IP67



NEON ARC | ELECTRICAL AND PHYSICAL INSTALLTION GUIDE



COLOUR	NEON SERIES	VARIANT CODE
WARM WHITE 3000K +/- 175K	NEON 1	ITNO1230001067-VB
NATURAL WHITE 4000K +/- 275K	NEON 1	ITNO1240001067-VB
2500 - 5000K TUNEABLE WHITE	NEON 2	ITNO12TUW01067-VB
RGB	NEON 3	ITNO12RGB00567-VB
RGBW	NEON 4	ITNO15RGBW0567-VB
RGB DYNAMIC	NEON 18	ITNO16RGB00567-VB

ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%
SOLD BY THE METRE
IES FILES AVAILABLE

Please note drawings are an installation guide only. Each LED tape application may have variable factors. Cable size may need to be specified to limit the voltage drop throughout the circuit.

Actual product characteristics may vary. Ligman Lighting reserves the right to improve, modify or update the product designs without prior notice.

ALWAYS UNCOIL BEFORE USE

- LIGMAN standard products are supplied with the control gear 24VDC
The control gear for other voltages and frequencies is available upon request, please consult us for more details.
- LIGMAN luminaires are designed to conform IEC 60598 2-2 standard.

Technical amendments and modifications techniques reserved.

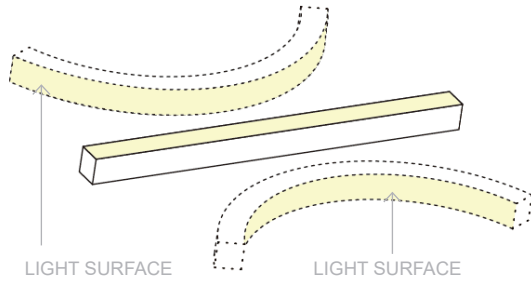
Ligman Lighting

THAILAND
LIGMAN Lighting Co.,Ltd.
17/2 Moo 4, Monthong, Bang Nam Prio,
24150 Chachoengsao - Thailand
info@ligman.com

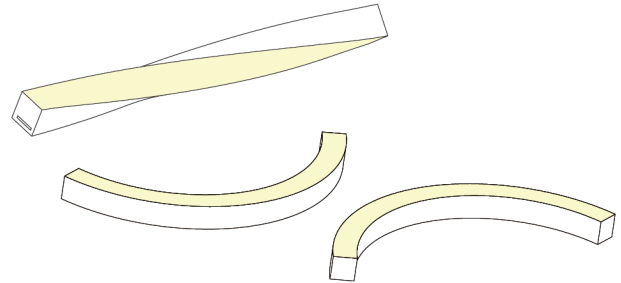
BENDING PARAMETERS



NEON ARC CAN BE CURVED AS SHOWN BELOW

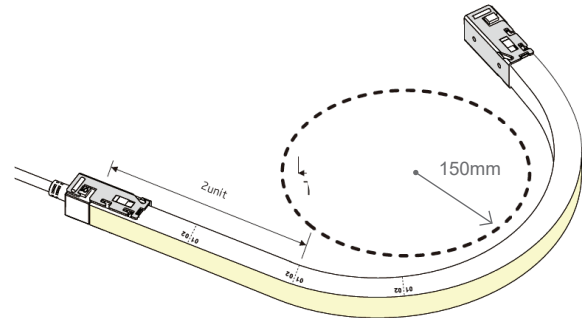
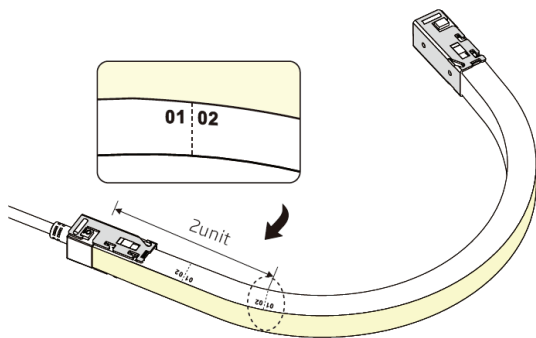


DO NOT TWIST THE LIGHT OR BEND AGAINST THE LIGHT SURFACE



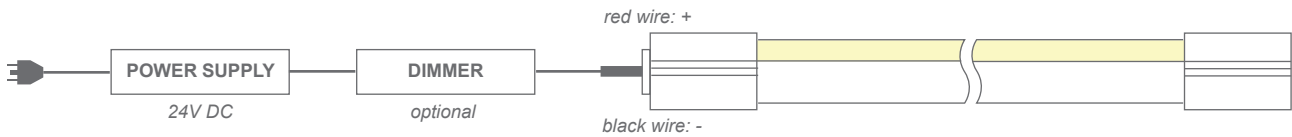
- Avoid bending LED Neon within the first unit (*units are clearly marked with dashed lines on the sides of the product*)

- LED Neon can be bent up to the defined "minimum bend radius" (150mm for Neon Arc)



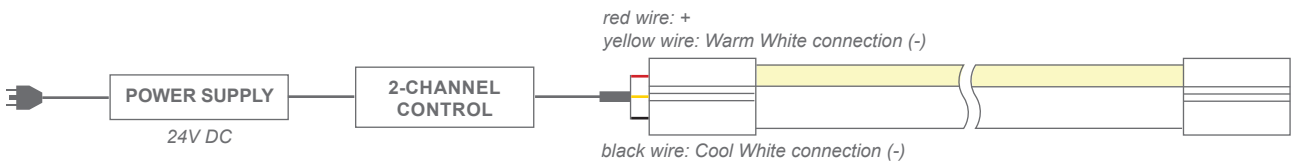
WIRING DIAGRAMS

WHITE



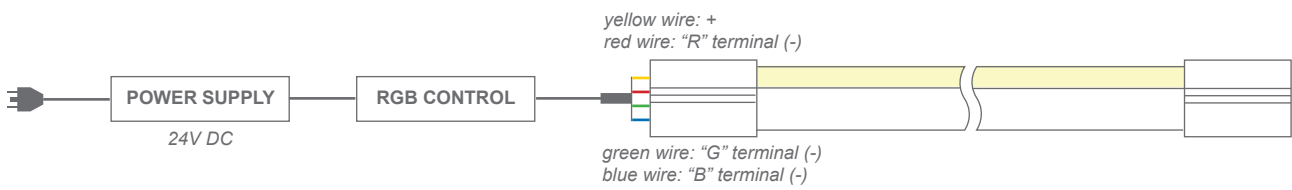
MAX. RUN PER POWER FEED: 10m using one feed, 20m using two feeds

TUNEABLE WHITE



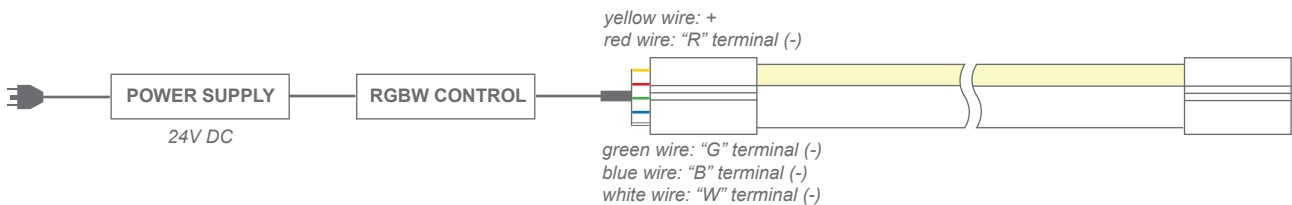
MAX. RUN PER POWER FEED: 10m using one feed, 20m using two feeds

RGB



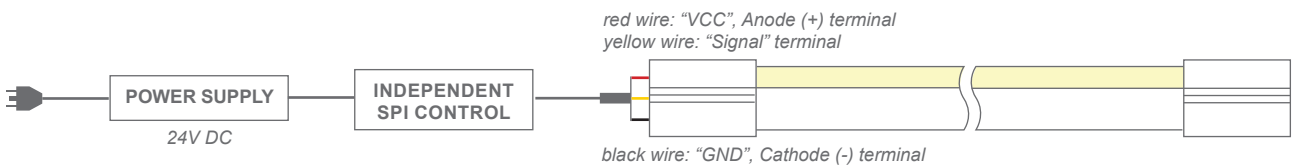
MAX. RUN PER POWER FEED: 7m using one feed, 14m using two feeds (Static full loading) or, 10m using one feed, 20m using two feeds (Dynamic operating)

RGBW



MAX. RUN PER POWER FEED: 5m using one feed, 10m using two feeds

DYNAMIC RGB 'CHASING'



DMX OPTION AVAILABLE

MAX. RUN PER POWER FEED: 5m using one feed, 10m using two feeds (Static full loading) or, 10m using one feed, 20m using two feeds (Dynamic operating)

- LED Neon must always be used in conjunction with a certified Bright Light 24V DC power supply.
- Check the polarity of the connector before inserting the front connector and switching on the mains power.
- To minimise voltage drop and ensure consistent light output, position the power supply near to the power feed end of the LED Neon, and keep the line as short as possible
- Ensure your maximum run per power feed adheres to the guidelines; see specification sheet.
- Ensure to add 20% buffer when selecting a power supply
- Before making any cuts, installation, maintenance, or connection, be sure the mains power is disconnected.
- If essential; cut and connect LED Neon correctly. Any incorrect operation can cause damage.
- All connector joints must be connected correctly to achieve connector IP rating.

PROFILE INSTALLATION REQUIREMENTS

ACCESSORY

A80104-002
SELF-LOCKING ALUMINIUM PROFILE 2m

A80105-002
SELF-LOCKING ALUMINIUM V2 MOUNTING CLIP 35mm

A80106-003
PLASTIC PROFILE 2m

A80106-004
PLASTIC PROFILE 1m

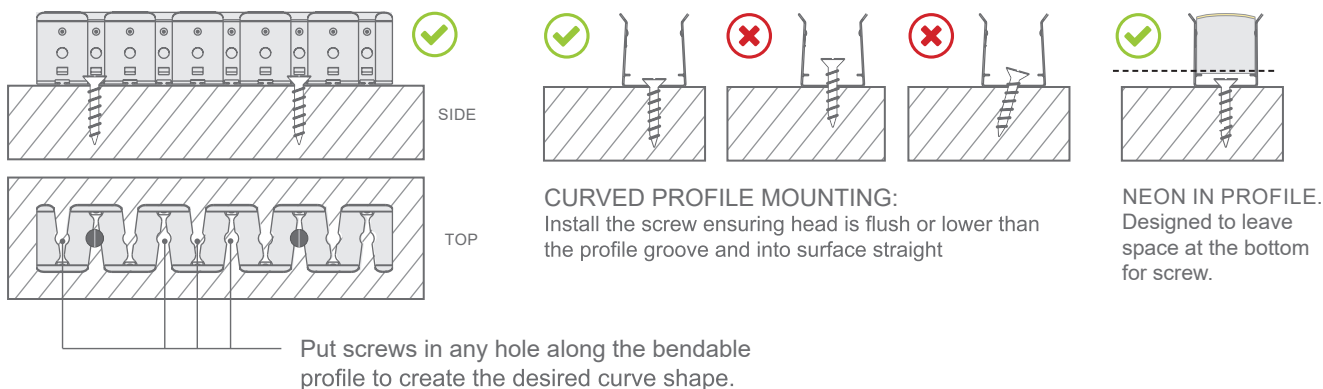
REFER TO
MOUNTING ACCESSORIES PDF
FOR PROFILE DETAILS
& DIMENSIONS



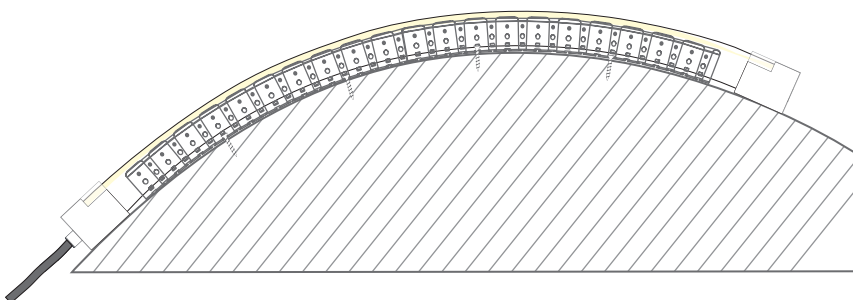
PROFILE MOUNTING: Install the screw ensuring head is flush or lower than the profile groove and into surface straight

ACCESSORY

A80107-002
CURVE STAINLESS STEEL PROFILE 900MM
MULTIPLE FIXING LOCATIONS



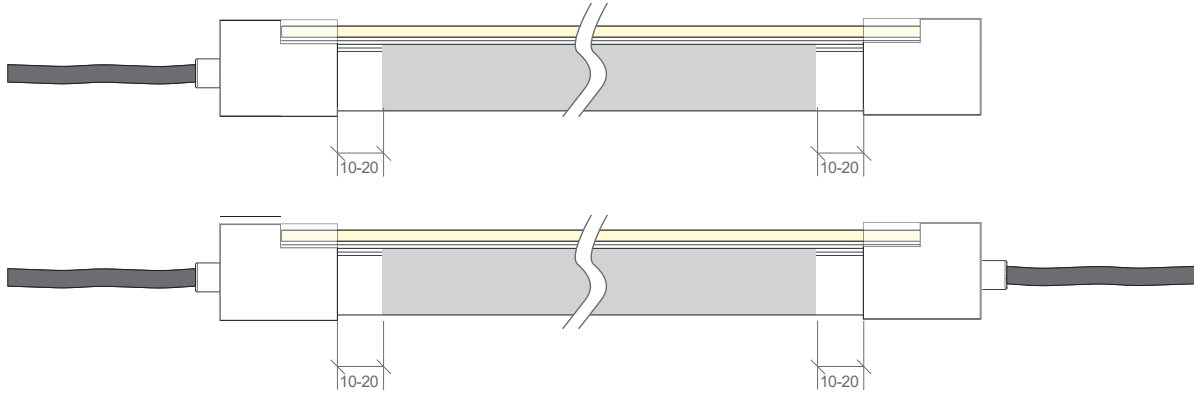
Curve stainless steel profile is flexible and can stretch or condense as the design requires.



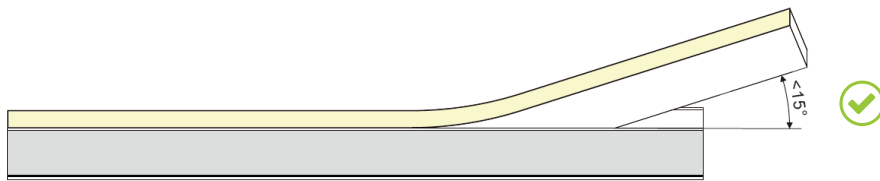
PROFILE INSTALLATION REQUIREMENTS

>> FOR SLEEVE / SNAP / DUAL INJECTION MOULDING CONNECTORS

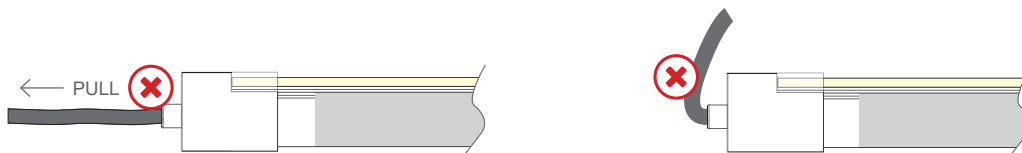
- ✔ - Ensure the supply cord is not subject to mechanical stress
- Keep 10–20mm distance between the end of the profile and the end mounting piece



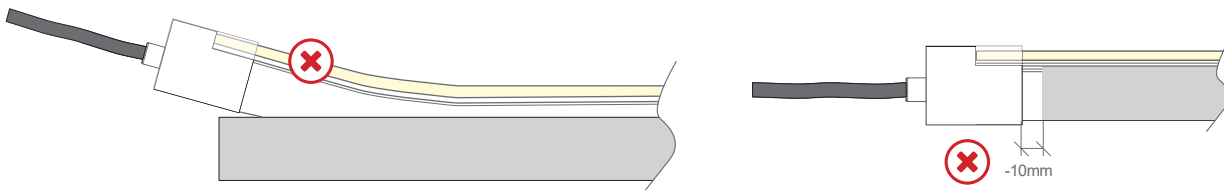
- The bend angle should be less than 15 degrees when installing LED Neon into the profile by hand



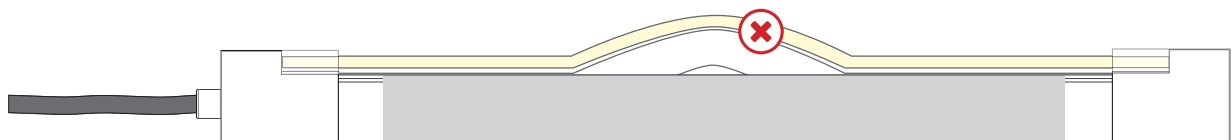
- ✘ - Avoid placing mechanical stress on the front connector cable
- Do not curl or bend the front connector cable with excessive force



- Avoid installing the profile less than 10mm from the end mounting piece

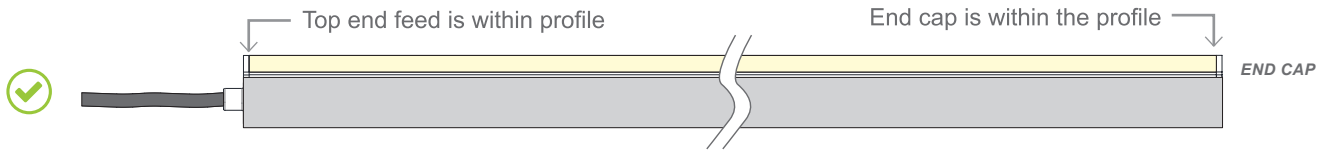


- Install the LED Neon into the profile in one direction, don't let it bow in the middle



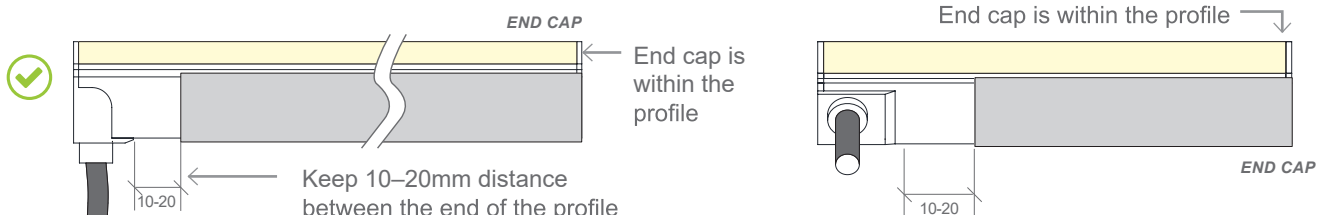
PROFILE INSTALLATION REQUIREMENTS >> FOR SLIMLINE INJECTION MOULDING CONNECTOR

TOP END FEED

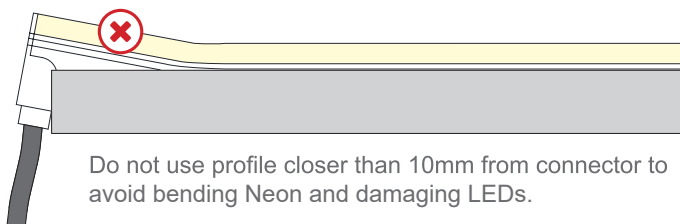


- Top End Feed (Slimline injection moulding only) & end cap are both fitted within the profile

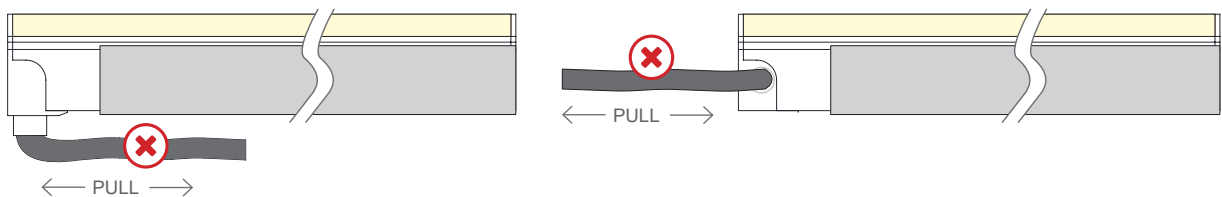
BOTTOM FEED / SIDE FEED



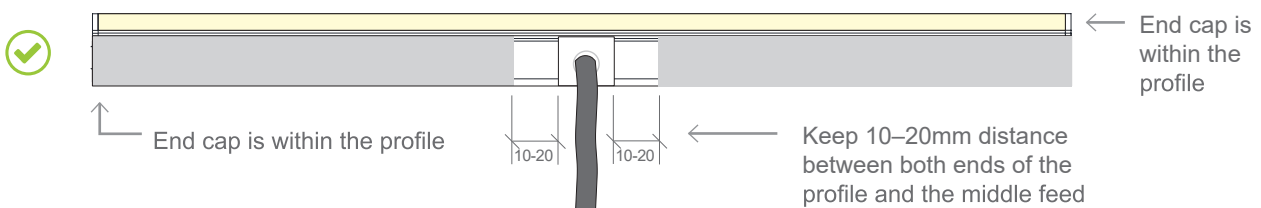
- Bottom feed / side feed are keep outside the profile with 10-20mm space
- End cap is within the profile



- Avoid placing mechanical stress on the connector cable
- Do not curl or bend the connector cable with excessive force



MIDDLE FEED



SNAP CONNECTIONS - IP67

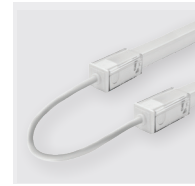
SUITABLE FOR OUTDOOR APPLICATIONS
 MUST BE FITTED CORRECTLY FOR IP67 RATING
 FEED CONNECTORS SUPPLIED AS 1M CABLE
 INSTALLATION WITH DOUBLE POWER FEED:
 FEED 01 + FEED 02



TOP END FEED

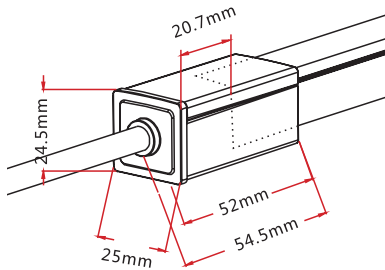


END CAP

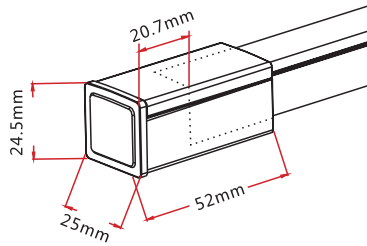


FLEXIBLE
CONNECTOR

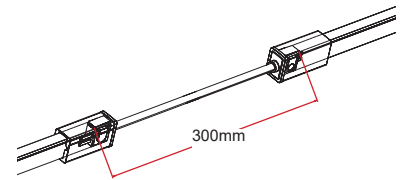
WHITE	01	02		
	A80083-001	A80083-002	A80084-001	A80085-001
TUNEABLE / RGB / RGB CHASING / RGBW		-	-	-



SNAP TOP END FEED CONNECTOR



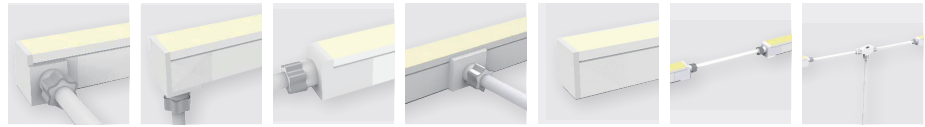
SNAP END CAP



SNAP FLEXIBLE CONNECTOR

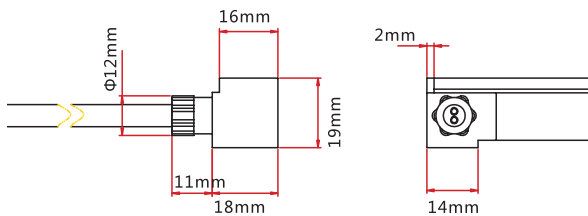
SLIMLINE INJECTION MOULDING CONNECTIONS - IP67

REQUIRES FITTING AT FACTORY. LEAD TIMES APPLY
 SUITABLE FOR OUTDOOR APPLICATIONS
 FEED CONNECTORS SUPPLIED AS 1M CABLE

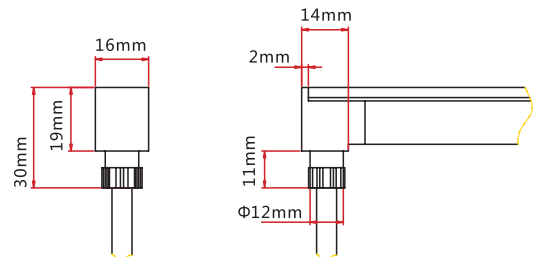


SIDE FEED BOTTOM FEED TOP END FEED MIDDLE FEED END CAP FLEXIBLE CONNECTOR T FEED

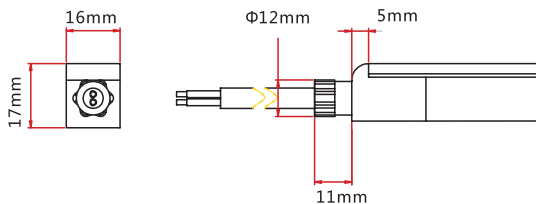
WHITE / TUNEABLE / RGB	A80086	A80087	A80088	A80089	A80090	A80091	A80092
RGB CHASING / RGBW	A80086	A80087	A80088	-	A80090	A80091	A80092



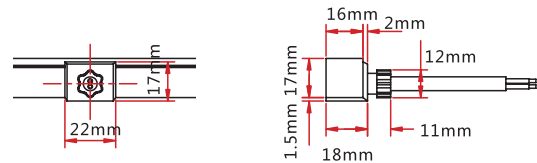
SIDE FEED



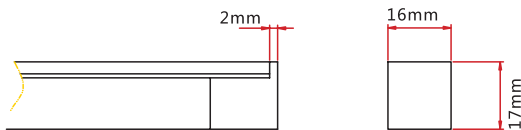
BOTTOM FEED



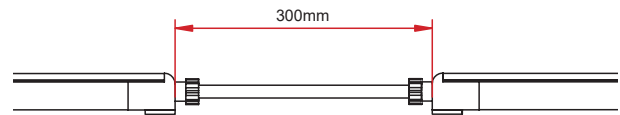
TOP END FEED



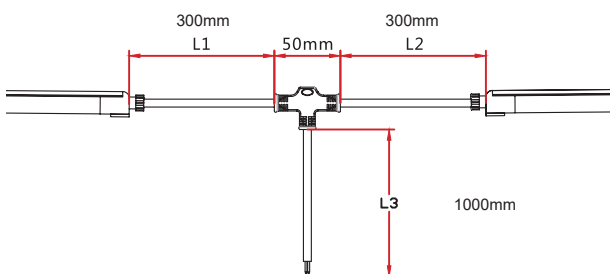
MIDDLE FEED



END CAP



FLEXIBLE CONNECTOR



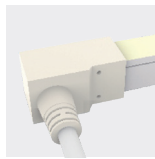
T-FEED

CAPPED DUAL INJECTION MOULDING - IP68

REQUIRES FITTING AT FACTORY. LEAD TIMES APPLY

SUITABLE FOR OUTDOOR APPLICATIONS

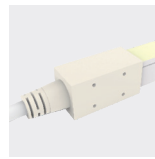
FEED CONNECTORS SUPPLIED AS 1M CABLE



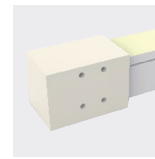
SIDE FEED



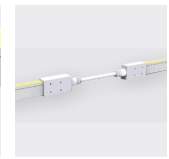
BOTTOM FEED



TOP END FEED



END CAP



FLEXIBLE CONNECTOR

WHITE / TUNEABLE / RGB / RGB CHASING / RGBW

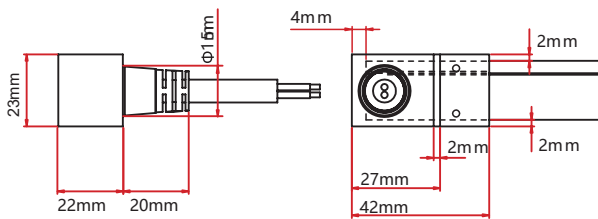
A80093

A80094

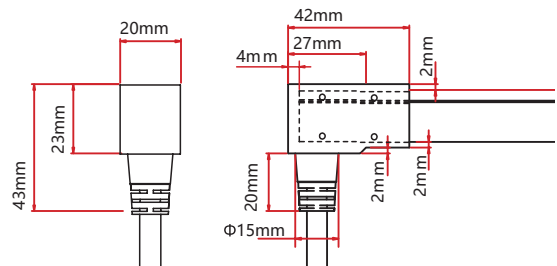
A80095

A80096

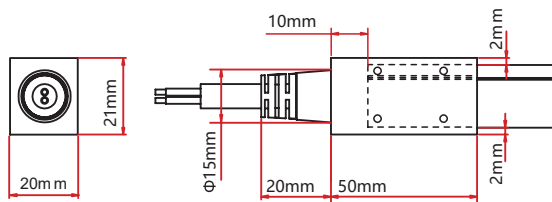
A80097



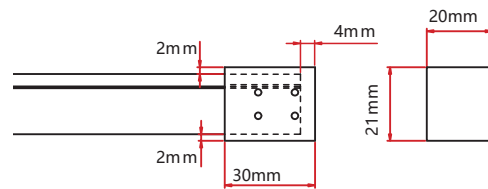
SIDE FEED



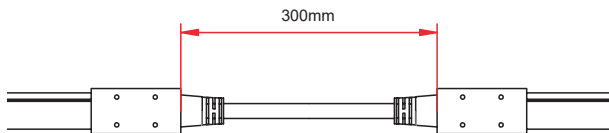
BOTTOM FEED



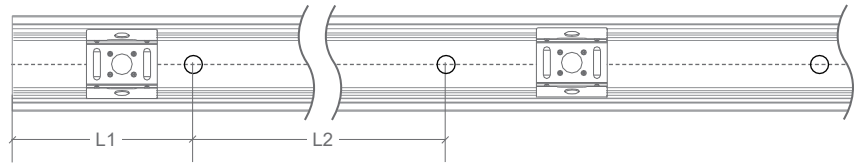
TOP END FEED



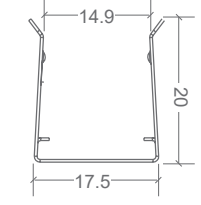
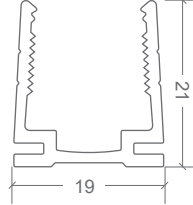
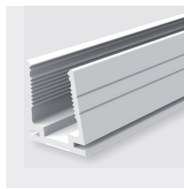
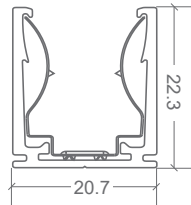
END CAP



FLEXIBLE CONNECTOR



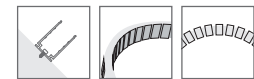
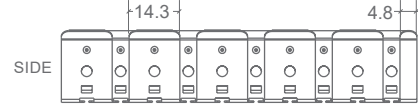
CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER	CLIP NUMBER
A80104-002	SELF-LOCKING ALUMINIUM V2 PROFILE 2m	100mm	200mm	Ø3.5mm	10	11
A80105-002	SELF-LOCKING ALUMINIUM V2 MOUNTING CLIP 35mm	5mm	25mm	Ø3.5mm	2	1
A80106-003	PLASTIC PROFILE 2m	100mm	200mm	Ø3.5mm	10	-
A80106-004	PLASTIC PROFILE 1m	100mm	200mm	Ø3.5mm	5	-
A80107-002	CURVE STAINLESS STEEL PROFILE 900MM <i>MULTIPLE FIXING LOCATIONS</i>	-	-	-	-	-



**SELF-LOCKING ALUMINIUM
V2 PROFILE 2M / MOUNTING CLIP**



PLASTIC PROFILE 2M



**CURVE STAINLESS STEEL
PROFILE 900MM**