NEON MICRO CLASSIC | ELECTRICAL AND PHYSICAL INSTALLATION GUIDE
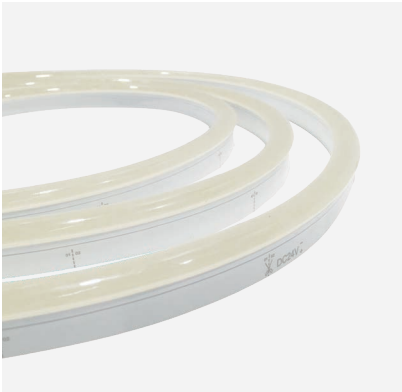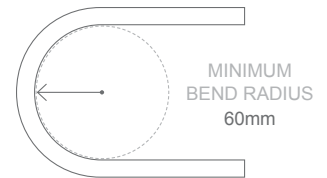
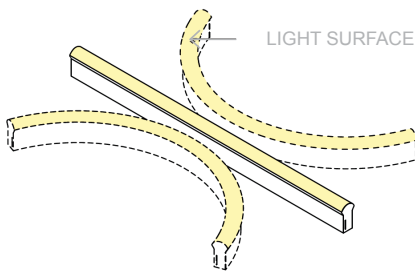| COLOUR	CODE
WARM WHITE 3000 K +/- 175 K	BL-LS-4550-30
NATURAL WHITE 4000 K +/- 275 K	BL-LS-4550-40
COOL WHITE 5700 K +/- 300 K	BL-LS-4550-57

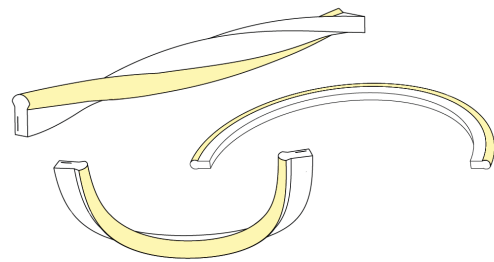ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%
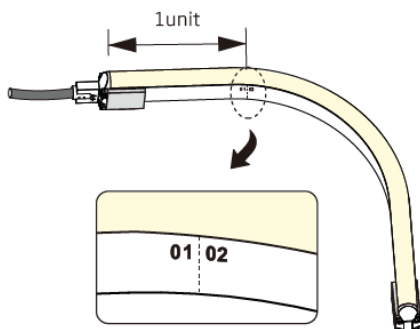SOLD BY THE METRE
IES FILES AVAILABLE

HORIZONTAL BENDING
LIGHT DIRECTION

16.5

26

MINIMUM
BEND RADIUS
60mm
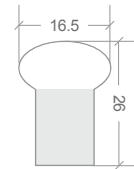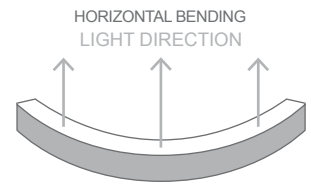
BENDING PARAMETERS

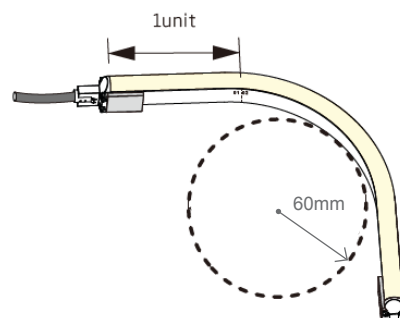✅ NEON MICRO CLASSIC CAN BE CURVED AS SHOWN BELOW

LIGHT SURFACE

❌ 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)

1unit

01 | 02

– LED Neon can be bent up to the defined "minimum bend radius" (60mm for Neon Micro Classic)

1unit

60mm

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NEON MICRO CLASSIC | ELECTRICAL AND PHYSICAL INSTALLATION GUIDE

WIRING DIAGRAM

red wire: +

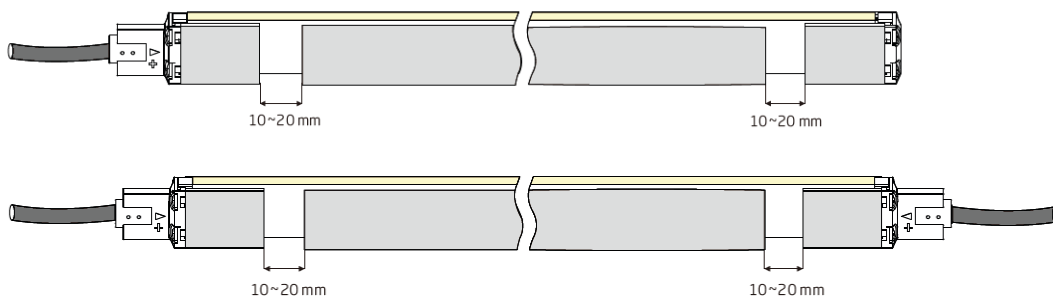|	POWER SUPPLY		DIMMER	

24V DC   optional

black wire: -
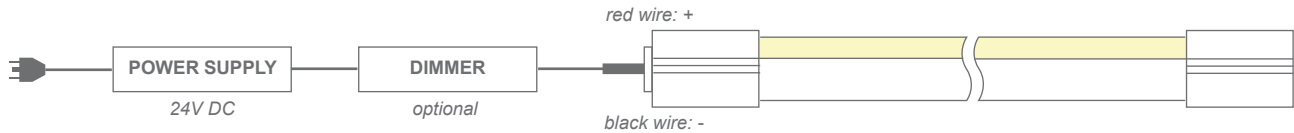
- LED Neon must always be used in conjunction with a certified Bright Light 24V DC power supply.
- Check the polarity of the connector before inserting the front connector and switching on the mains power.
- To minimise voltage drop and ensure consistent light output, position the power supply near to 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; 15m when using a single connector, or 30m when using both connectors (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.
- All connector joints must be connected correctly to achieve connector IP rating.
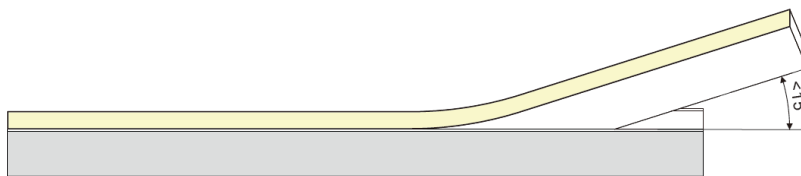
PROFILE INSTALLATION REQUIREMENTS

✓
- 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

10~20 mm   10~20 mm

10~20 mm   10~20 mm

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

<15°

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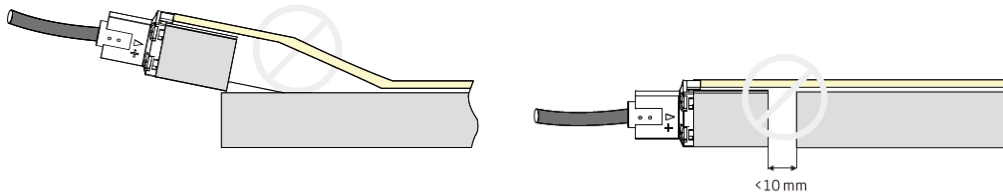
NEON MICRO CLASSIC | ELECTRICAL AND PHYSICAL INSTALLATION GUIDE
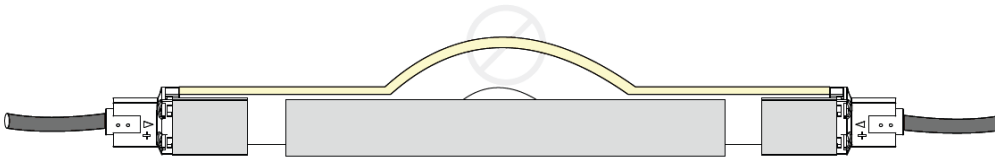
PROFILE INSTALLATION REQUIREMENTS

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

← PULL
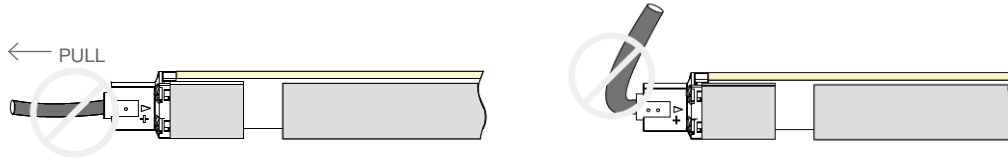
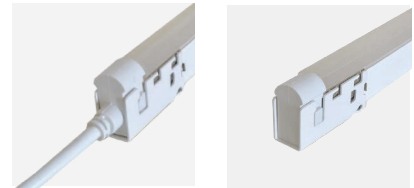– Avoid installing the profile less than 10mm from the end mounting piece

<10 mm

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

NEON MICRO CLASSIC | CONNECTIONS

CLASP CONNECTIONS - IP65

FEED CONNECTOR SUPPLIED AS 1M CABLE
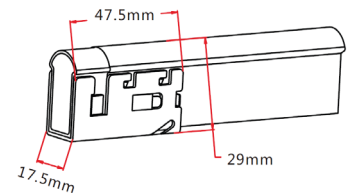DOUBLE POWER FEED: FEED 01 + FEED 02

TOP END FEED   END CAP

		01	02	
WHITE		BL-LS-4556	BL-LS-4557	BL-LS-4551

61mm
17.5mm
29mm

TOP END FEED

47.5mm
17.5mm
29mm
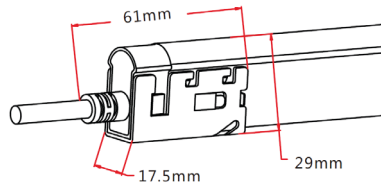
END CAP

SNAP CONNECTIONS - IP67

SUITABLE FOR OUTDOOR APPLICATIONS
MUST BE FITTED CORRECTLY FOR IP67 RATING
FEED CONNECTORS SUPPLIED AS 1M CABLE
STANDARD, CHECK FOR ALTERNATE LENGTHS
STANDARD INSTALLATION WITH SINGLE POWER
FEED:
FEED 01 + END CAP 02 OR FEED 02 + END CAP 01
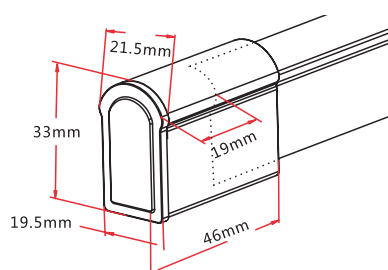DOUBLE POWER FEED: FEED 01 + FEED 02

TOP END FEED   END CAP   FLEXIBLE
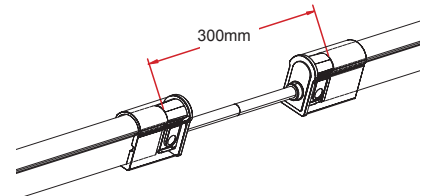   CONNECTOR

	01	02	01	02	
WHITE	BL-LS-4558	BL-LS-4559	BL-LS-4561	BL-LS-4562	BL-LS-4560

21.5mm
33mm
19mm
50.5mm
46mm
19.5mm

TOP END FEED

21.5mm
33mm
19mm
19.5mm
46mm

END CAP

300mm
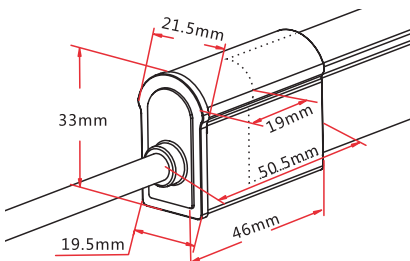
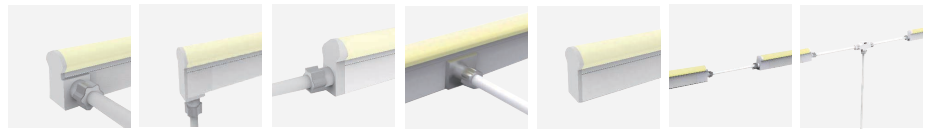**FLEXIBLE CONNECTOR**

SLIMLINE INJECTION MOULDING CONNECTIONS - IP67

REQUIRES FITTING AT FACTORY. LEAD TIMES APPLY

SUITABLE FOR OUTDOOR APPLICATIONS

FEED CONNECTORS SUPPLIED AS 1M CABLE STANDARD, CHECK FOR ALTERNATE LENGTHS
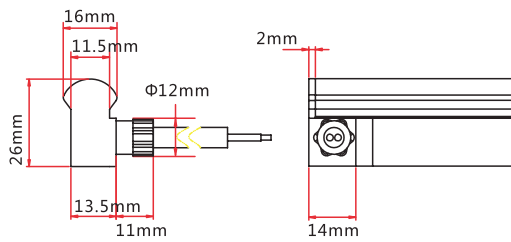

SIDE FEED
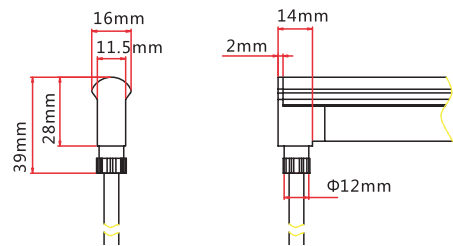

BOTTOM FEED

TOP END FEED
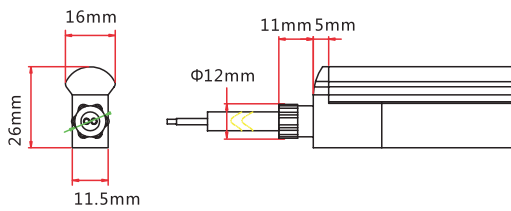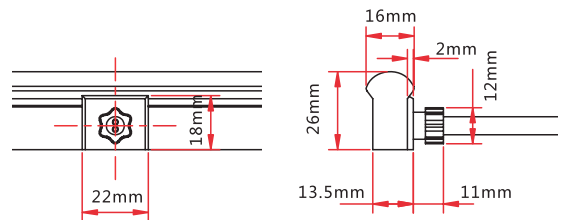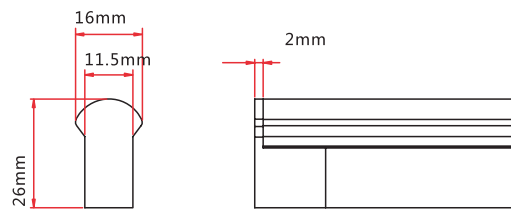

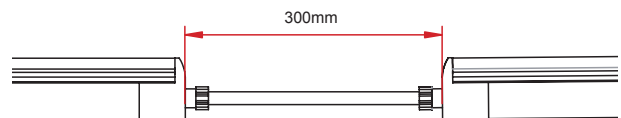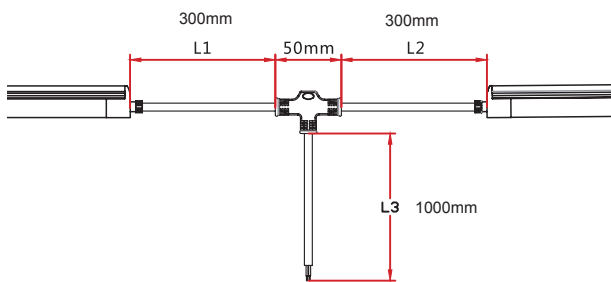MIDDLE FEED

END CAP

FLEXIBLE CONNECTOR

T FEED

SIDE FEED

BOTTOM FEED

TOP END FEED

MIDDLE FEED

END CAP

FLEXIBLE CONNECTOR

T-FEED

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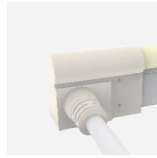
NEON MICRO CLASSIC | CONNECTIONS

CAPPED DUAL INJECTION MOULDING - IP68

REQUIRES FITTING AT FACTORY. LEAD TIMES APPLY
SUITABLE FOR OUTDOOR APPLICATIONS
FEED CONNECTORS SUPPLIED AS 1M CABLE
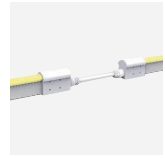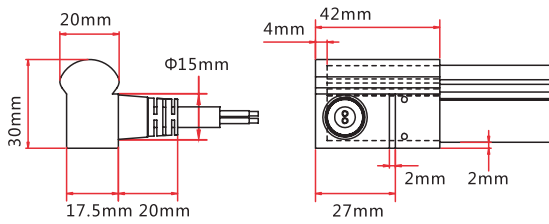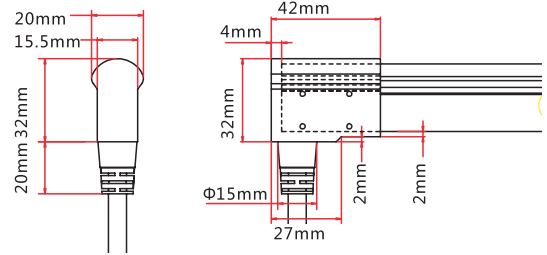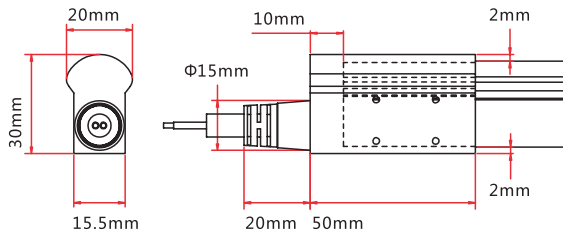STANDARD, CHECK FOR ALTERNATE LENGTHS
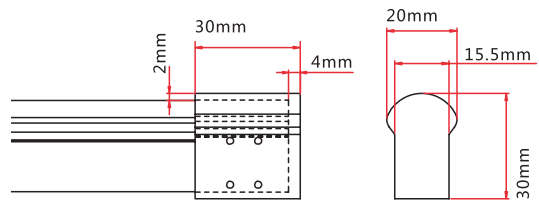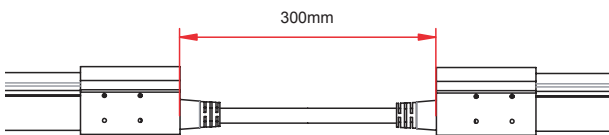
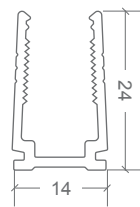| SIDE FEED | BOTTOM FEED | TOP END FEED | END CAP | FLEXIBLE CONNECTOR |

SIDE FEED

BOTTOM FEED

TOP END FEED

END CAP

FLEXIBLE CONNECTOR

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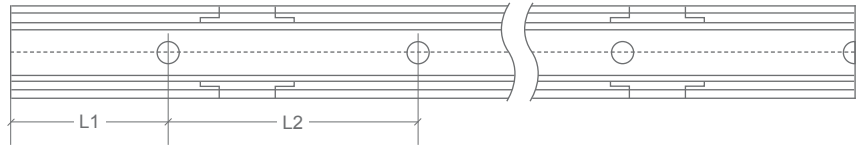
CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4552	SELF-LOCKING ALUMINIUM PROFILE 2m	100mm	200mm	Ø3.5mm	10
BL-LS-4553	SELF-LOCKING ALUMINIUM MOUNTING CLIP 50MM	25mm	-	Ø3.5mm	1
BL-LS-4554	PLASTIC PROFILE 2m	100mm	200mm	Ø3.5mm	10
BL-LS-4555	PLASTIC PROFILE 1m	100mm	200mm	Ø3.5mm	5
BL-LS-4028	CURVE STAINLESS STEEL PROFILE 900MM MULTIPLE FIXING LOCATIONS	-	-	-	-
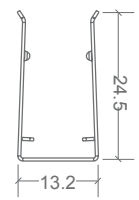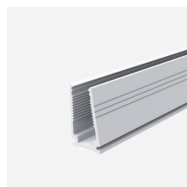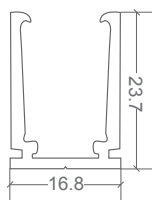
SELF-LOCKING ALUMINIUM PROFILE
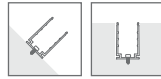
PLASTIC PROFILE

CURVE STAINLESS STEEL PROFILE 900MM

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