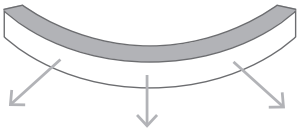
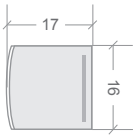
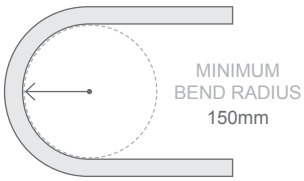
NEON ARC | RGB | ELECTRICAL AND PHYSICAL INSTALLATION GUIDE

COLOUR	CODE
RGB	BL-LS-4800-RGB

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

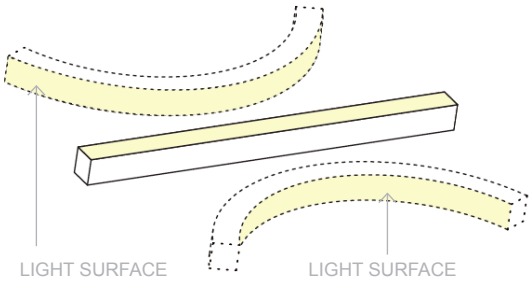




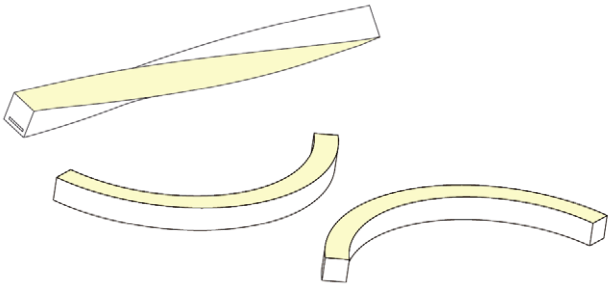


BENDING PARAMETERS

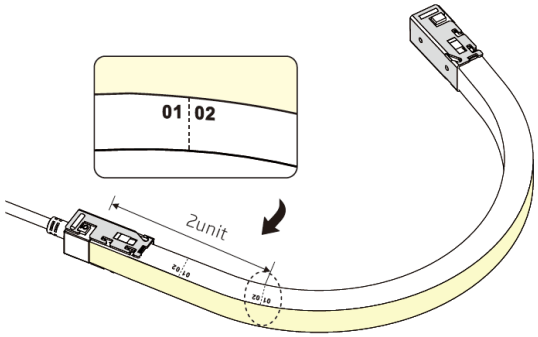
NEON ARC CAN BE CURVED AS SHOWN BELOW



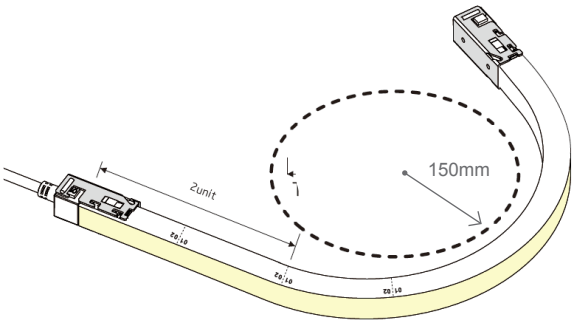
DO NOT TWIST THE LIGHT OR BEND AGAINST THE LIGHT SURFACE



- 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)*



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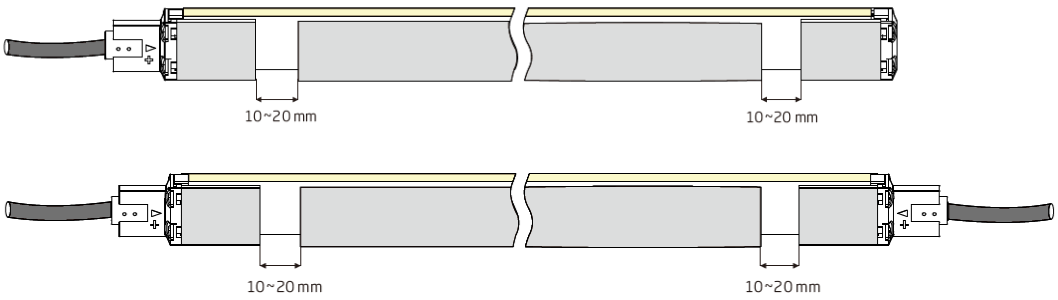
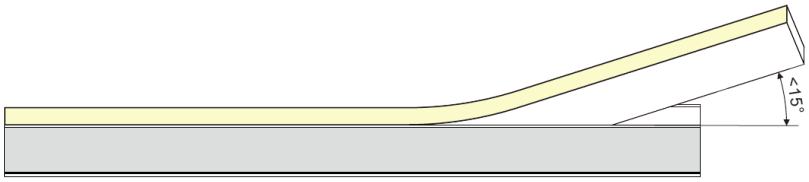
PROFILE INSTALLATION REQUIREMENTS

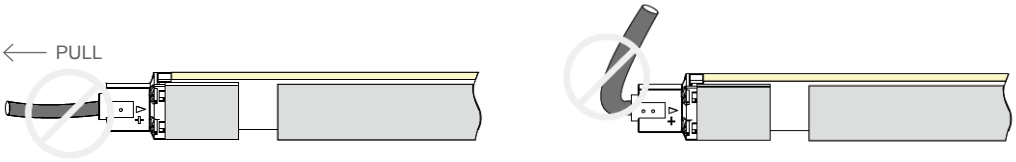
- Ensure the supply cord is not subject to mechanical stress
- Keep 10–20mm distance between the end of the profile and the end mounting piece



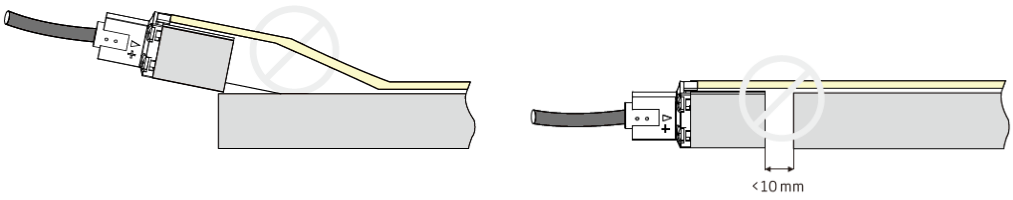
- The bend angle should be less than 15 degrees when installing LED Neon into the profile by hand



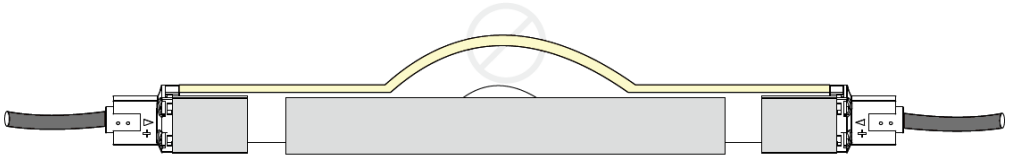
- Avoid placing mechanical stress on the front connector cable
- Do not curl or bend the front connector cable with excessive force



- 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



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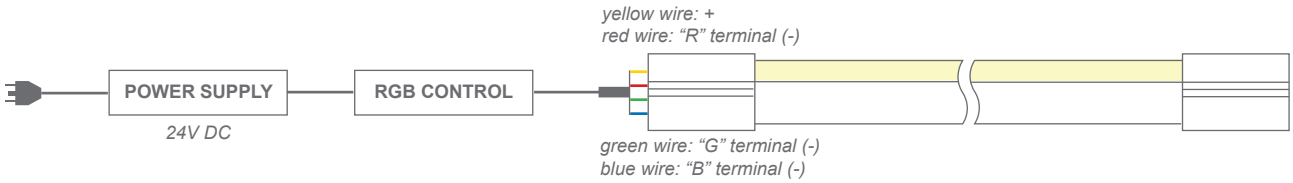
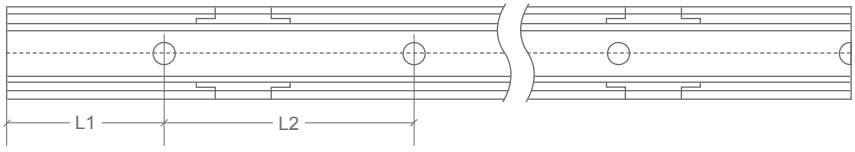
WIRING DIAGRAM



- 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.

NEON ARC | RGB | MOUNTING ACCESSORIES



ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
SELF-LOCKING ALUMINIUM PROFILE 2m	100mm	200mm	Ø3.5mm	10
SELF-LOCKING ALUMINIUM MOUNTING CLIP 50mm	25mm	-	Ø3.5mm	1

SELF-LOCKING ALUMINIUM PROFILE / MOUNTING CLIP

NEON ARC | RGB | CONNECTIONS

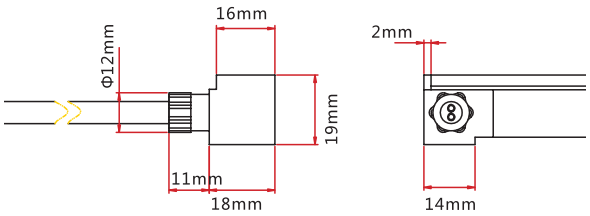
SLIMLINE INJECTION MOULDING CONNECTIONS - IP67

REQUIRES FITTING AT FACTORY. LEAD TIMES APPLY

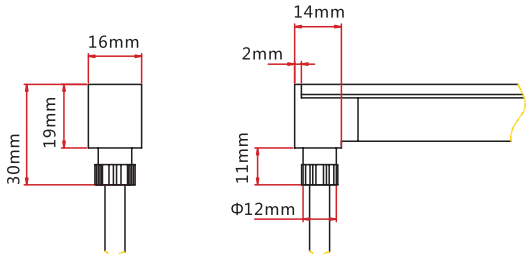
SUITABLE FOR OUTDOOR APPLICATIONS

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

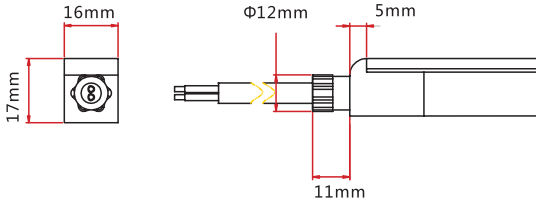
SIDE FEED | BOTTOM FEED | TOP END FEED | MIDDLE FEED | END CAP | FLEXIBLE CONNECTOR | T FEED



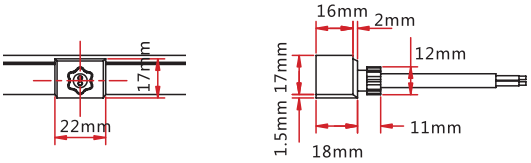
SIDE FEED



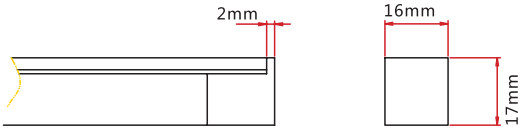
BOTTOM FEED



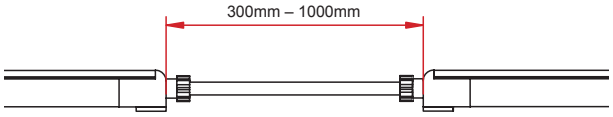
TOP END FEED



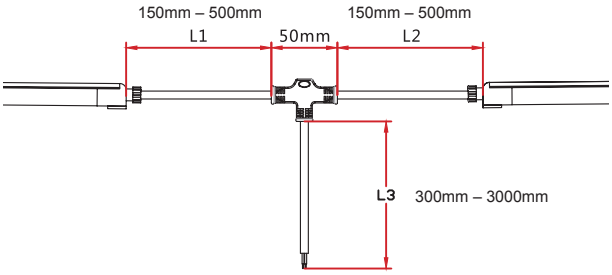
MIDDLE FEED



END CAP



FLEXIBLE CONNECTOR



T-FEED

NEON ARC | RGB | 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 WITH BRIGHT LIGHT FOR ALTERNATE LENGTHS

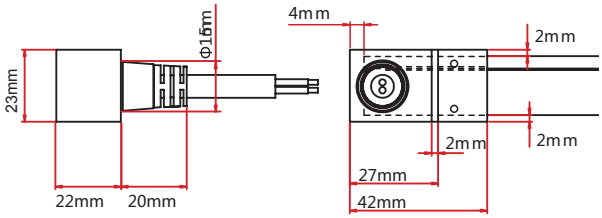
SIDE FEED

BOTTOM FEED

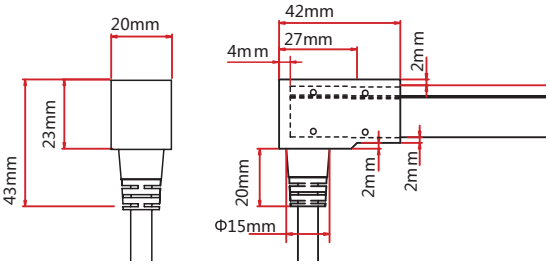
TOP END FEED

END CAP

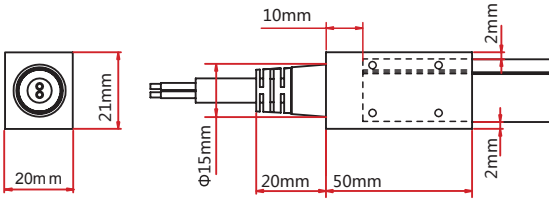
FLEXIBLE CONNECTOR



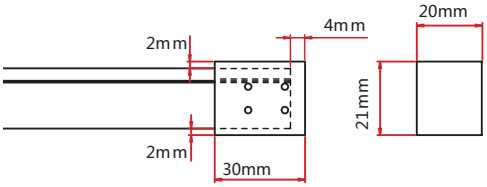
SIDE FEED



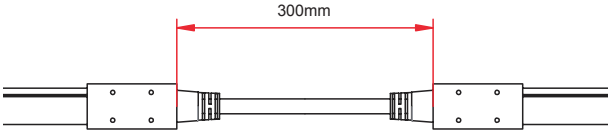
BOTTOM FEED



TOP END FEED



END CAP



FLEXIBLE CONNECTOR