!!! BEFORE YOU BEGIN
Read these instructions completely and carefully
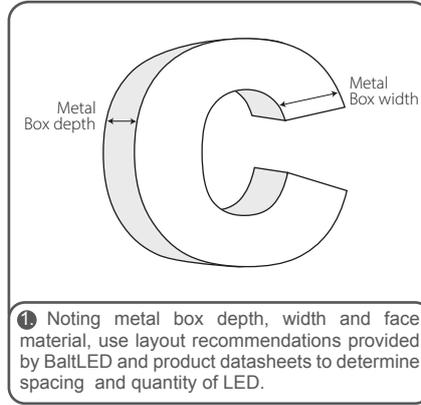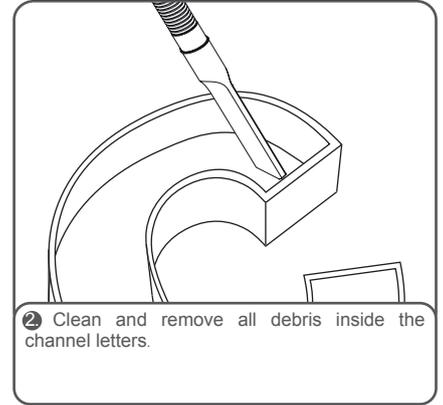
⚠ WARNING
Risk of electrical shock. Disconnect power before servicing or instaling product.
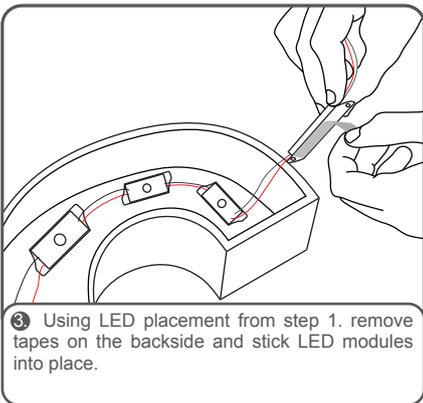

Tools required:
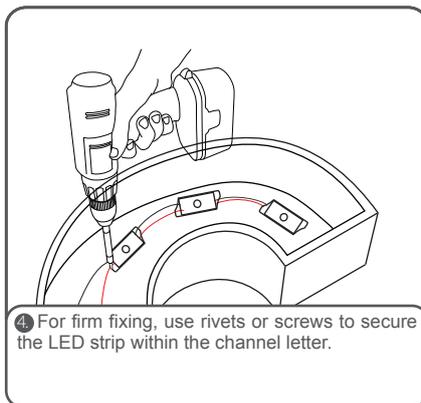Wire strippers, drilland screwdriver and screws.

❶ Noting metal box depth, width and face material, use layout recommendations provided by BaltLED and product datasheets to determine spacing and quantity of LED.
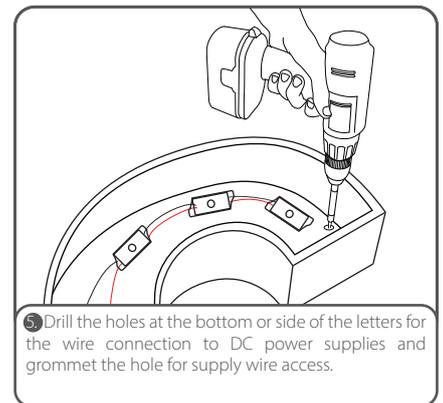
Metal Box depth

Metal Box width

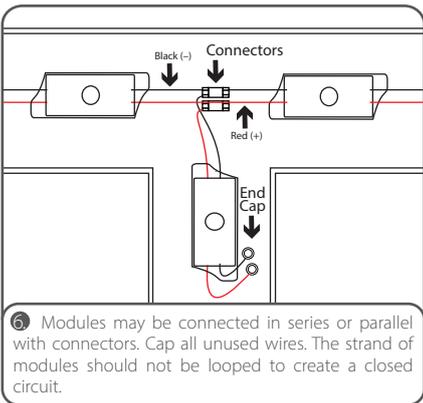❷ Clean and remove all debris inside the channel letters.

❸ Using LED placement from step 1. remove tapes on the backside and stick LED modules into place.
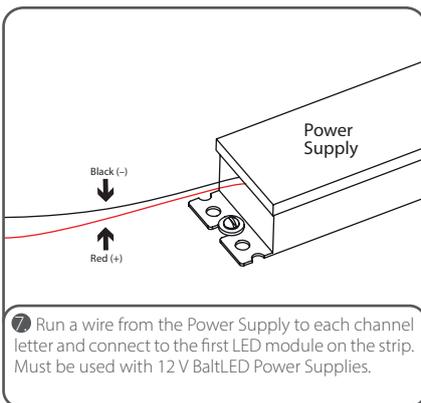

❹ For firm fixing, use rivets or screws to secure the LED strip within the channel letter.
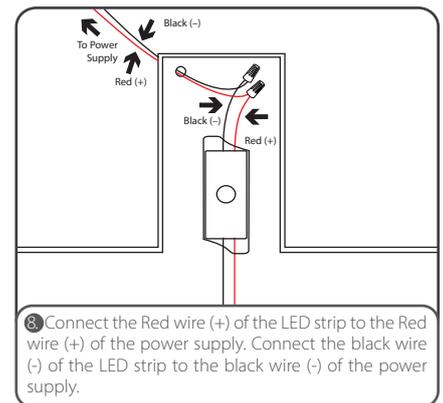

❺ Drill the holes at the bottom or side of the letters for the wire connection to DC power supplies and grommet the hole for supply wire access.

Black (–) Connectors
Red (+)
End Cap

❻ Modules may be connected in series or parallel with connectors. Cap all unused wires. The strand of modules should not be looped to create a closed circuit.

Power Supply
Black (–)
Red (+)

❼ Run a wire from the Power Supply to each channel letter and connect to the first LED module on the strip. Must be used with 12 V BaltLED Power Supplies.

Black (–)
To Power Supply
Red (+)
Black (–)
Red (+)

❽ Connect the Red wire (+) of the LED strip to the Red wire (+) of the power supply. Connect the black wire (-) of the LED strip to the black wire (-) of the power supply.

General rules for installation
1. Check if correct power supply is used.
2. First connect the modules to the power supply and install all system, and only then turn on the power supply.
3. Check the datasheet of the module for minimum and maximum allowed modules per power supply – connecting incorrect quantities may harm the modules.

Malfunction	Probable Causes	Solutions
Leds does not illuminate properly or at all	1. No power from power supply. 2. Short circuit or automatic short circuit protection of power supply. 3. Power supply fuse is burnt.	1. Supply power. 2. Troubleshoot short circuit and supply power again. 3. Replace the burnt fuse with a new one.
Part of the LED module strings don'twork	1. No power from power supply (ies). 2. Some LED module string's power supply wires are wrongly connected.	1. Add power supply quantity 2. Identify poor contacts and troubleshoot.
Brightness of LED is not consistent or is not enough	1. Power supply overloading. 2. Too much current loss of power supply wires. 3. More than one LED module string is seriesly connected.	1. Connect each string directly to the master wires from power supply as the diagram above. Don't connect the string by series.
LED Twinkling	1. Poor wire contacting	1. Identify poor contacts and troubleshoot.
Individual LED don't work	1. Breakdown due to electrostatics.	1. Replace with new LED or new LED modules.