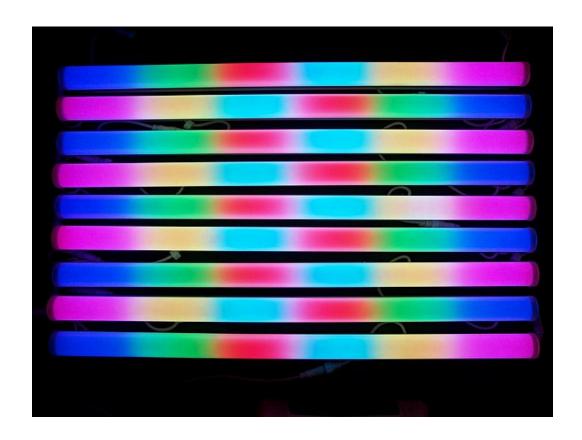# LED MULTI COLOR CHANGING TUBE
User Manual

LED MULTICOLOR CHANGING TUBE combined with the LED CONTROLLER makes 256X256X256 colorful changing. Many pieces of LED MULTICOLOR CHANGING TUBE linked can build synchronal scan, single color changing. It is widely used in the ballroom, bar and outdoor building decoration.

A: Function:

Available color: red, green, yellow, blue, purple, cyan, white

Dimmer: 256x256x256 color

Running mode: dimmer, flow, roll, chase, multicolor, gray scale color change, auto multi color change.

Controller: Please read FL-001 operation manual

B, Parameter

- · LED: 144pcs (R48, G48, B48)
- · Operating Temperature: -20 °C~+ 45° C
- · Protection Rating: IP44
- · Humidity: 0-95%
- · Controller: LED CONTROLLER and signal amplifier (signal amplifier must be used every other 60pcs led tube linked in series.)
- · Input: AC100-240V
- · Operating Voltage: DC12V
- · Current: 1.4A
- · Power Consumption Max: 16.8W

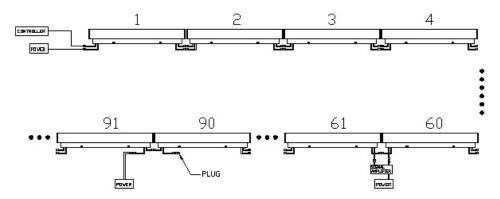**C, Structural specifications:**

- · Tube: milky white polycarbonate
- · Base: Aluminum
- · Size: L1000*W50*H25MM
- · Weight: 1.3kg

D: Electrical Connection diagram

Plug----2pin female plug spigot

Description:

1. Connect the first color-changing tube with led controller signal connector and put it through, the following color-changing tubes are to be connected with power supply in order;

2. The signal amplifier must be used every other 60 pcs of color-changing tubes, the signal between 60X and 60X+1 (X stands for natural number) should be enhanced by the amplifier;

3. The 90Xth color-changing tube(X stands for natural number) must be reconnected with power supply (100V-240V) and the power output should be stopped by P3. The power (240V/50Hz) and signal output connector for the last tube should be stopped by Teminator (1 pc 120Ω resistor inside) in order to prevent water. Each group of circuit can be connected with 1000 pcs color-changing tube

(All disconnected interface should be connected with waterproof spigot, and all-joints should be used sealants)