

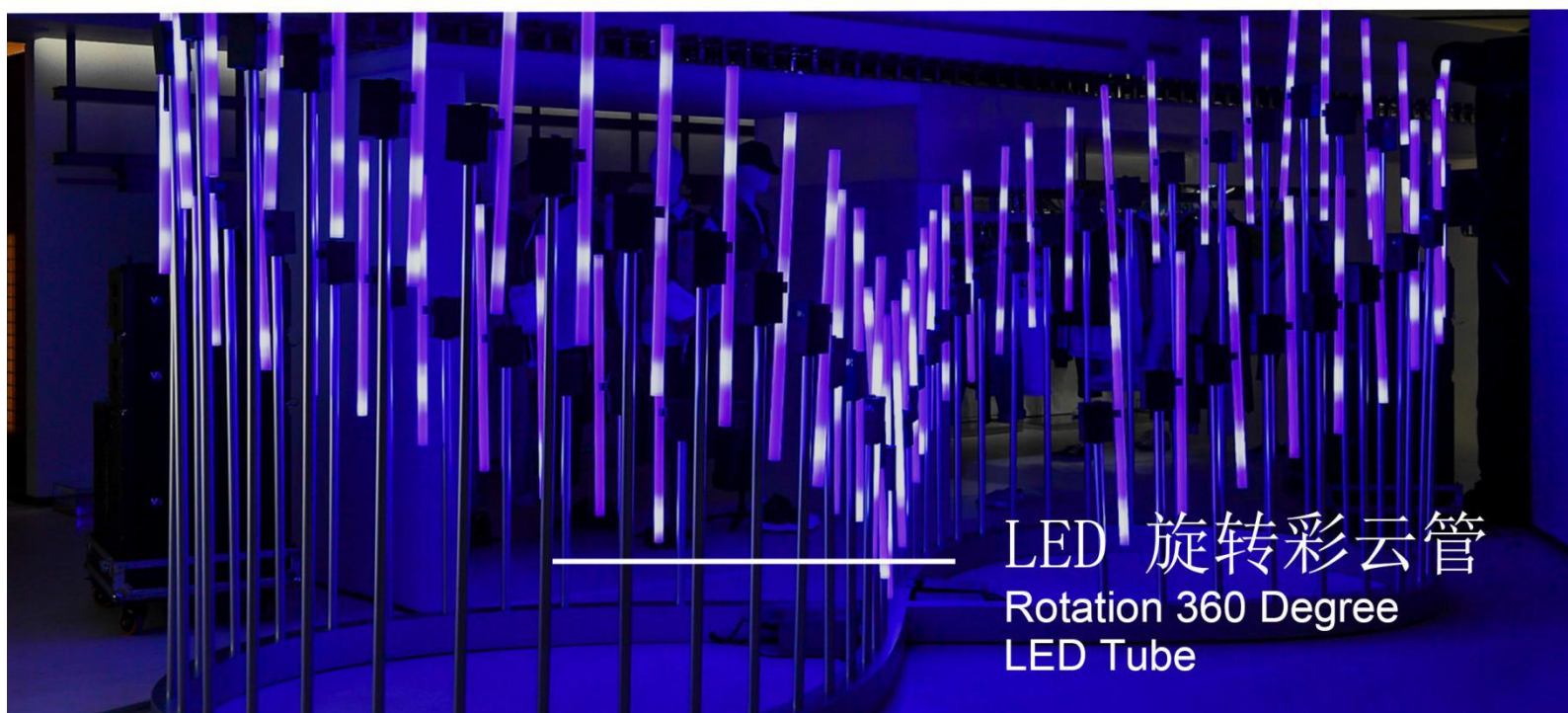
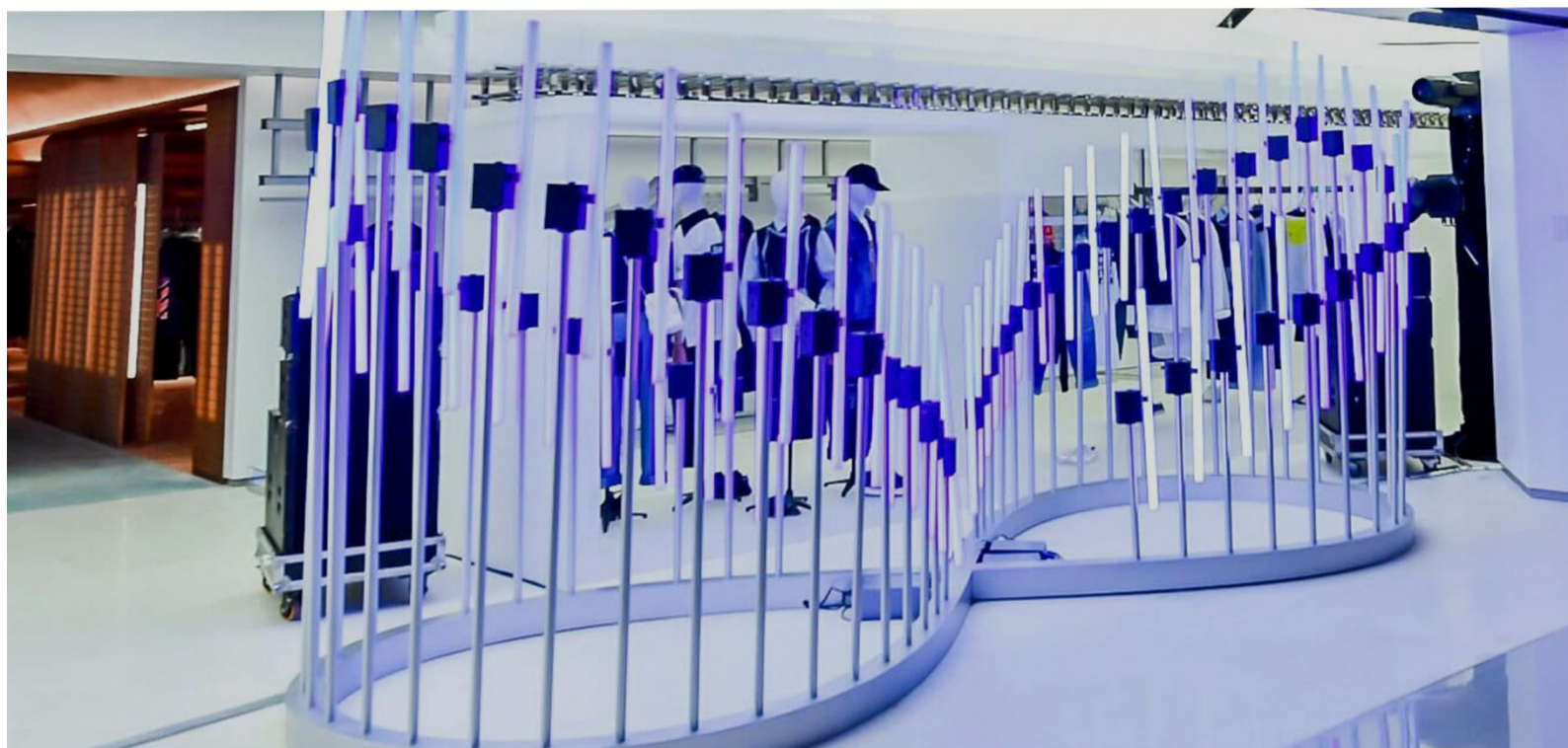
# 产品规格书

Product specification

LED 旋转彩云管

Rotation 360 Degree

LED Tube



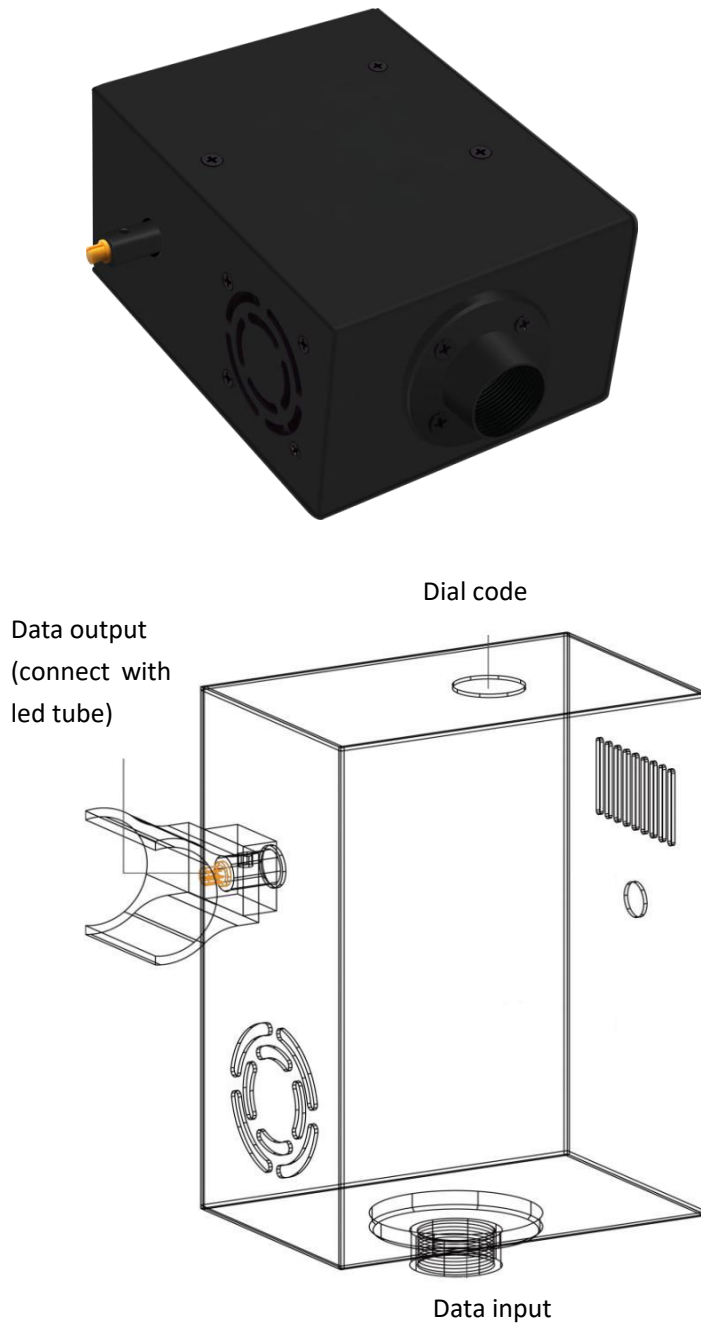
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**Product name: Rotating 3D LED tube**

**Product mode: CL-MT02**

**Overview:** More and more equipment is used in stage lighting. The rotating 3D LED tube gradually stands out among many lighting equipment due to its 360° rotation and 360° luminescence. This product supports DMX512 signal input, SPI signal output, and the rotation angle can be adjusted at will, and the speed can be adjusted. Cooperating with our controller to show different lighting effects.

**Product picture:**



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## ◆ Features:

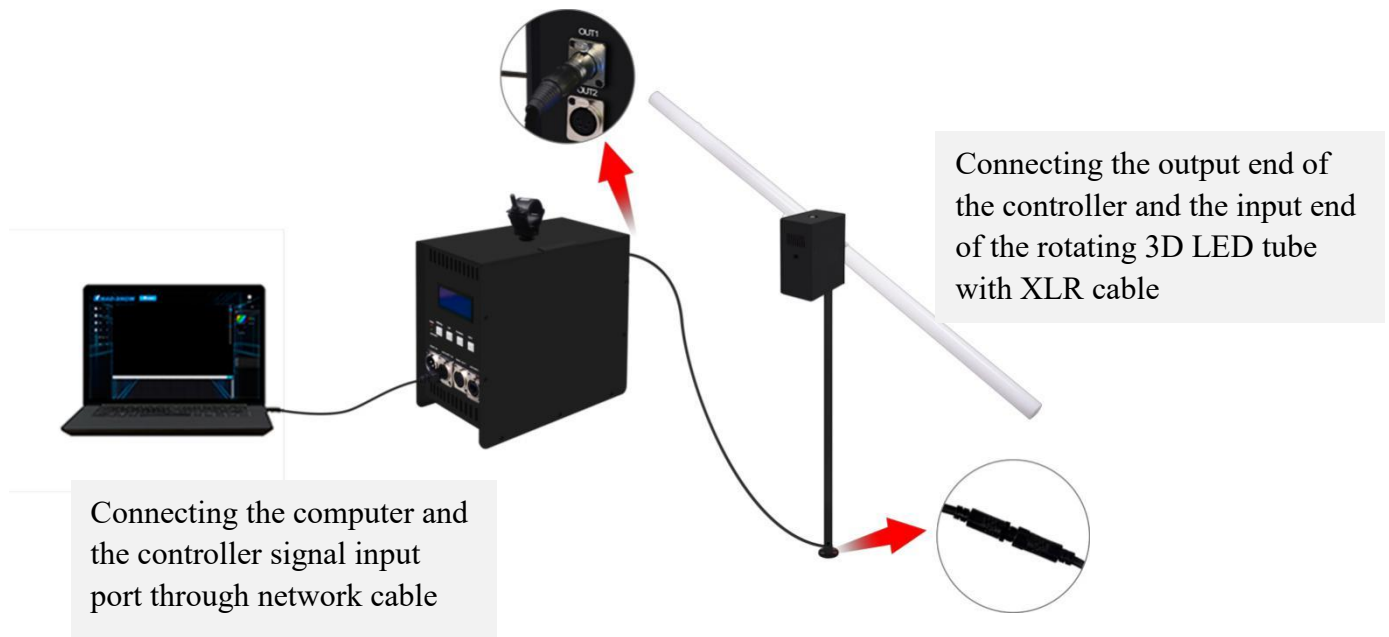
- DC24V low voltage input;
- DMX signal input;
- Zero value detection, automatic calibration (reset) after power-on;
- 360-degree light-emitting, rotating, adjustable angle, controllable speed;
- Small size and easy installation;
- Multiple units can be used in series;
- Can be used with software (MAD-SHOW, MADRIX) and DMX console.

## ◆ Parameter list

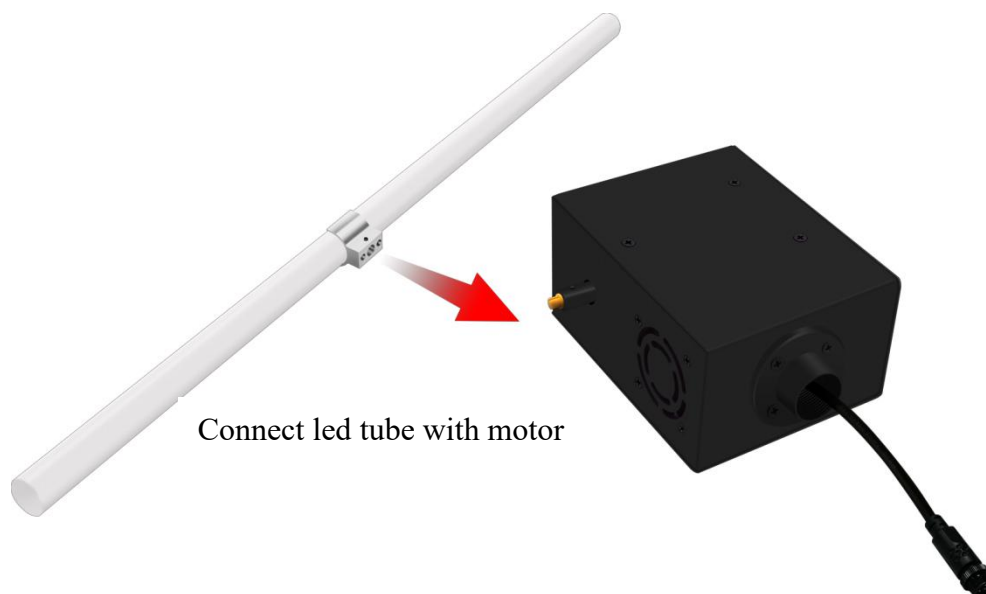
Parameter	Unit	Min	Typical	Max
Working voltage(DC)	V	—	24	—
Power	W	—	—	72
Cascade number	PCS	—	—	6
Control mode	—	—	DMX	—
Product weight	KG	—	2.1	—
product size(L*W*H)	MM	—	142*108*72	—
IC type			DMX	
LED quantity	PCS	—	144	—
Pixel quantity	—	—	24	—
LED tube size(L*W*H)	MM	—	1000/1200/1500*D32	—
Product color	—	—	Black	—
Product material	—	—	Aluminum	—

## ◆ Connection of led tube

### ① Connect controller with led tube

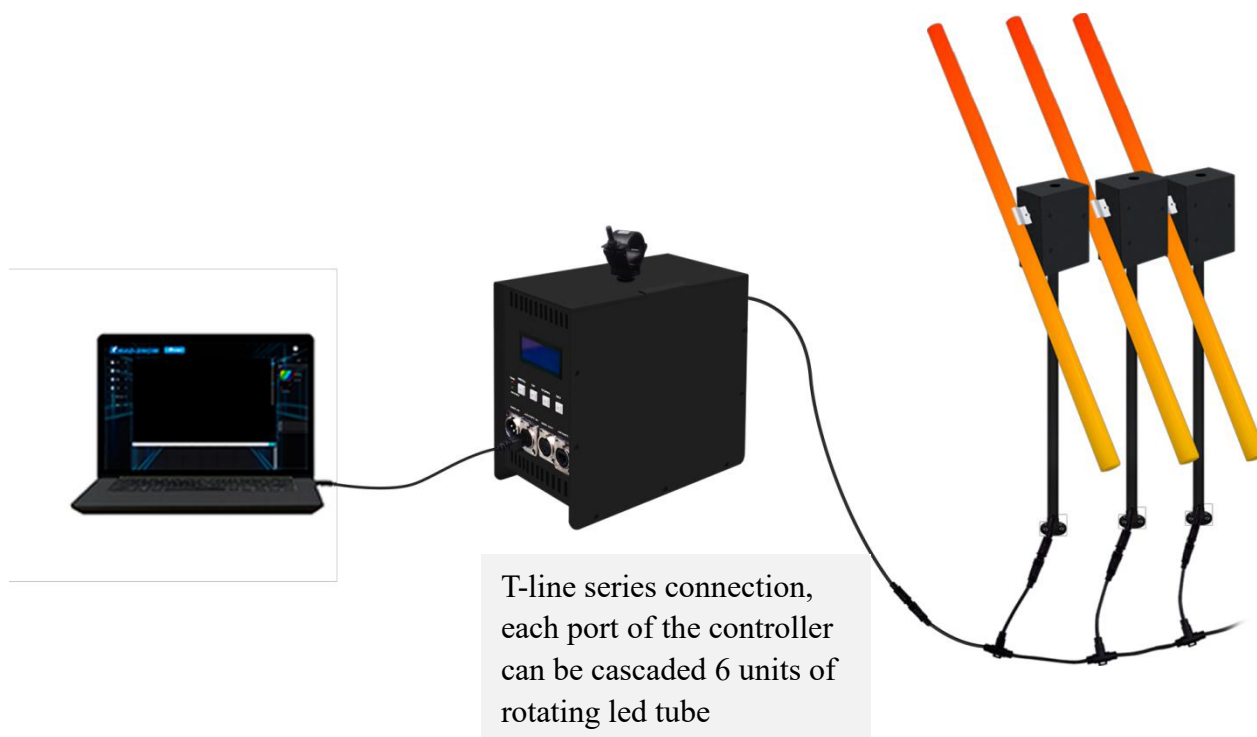


### ② Connect led tube





## ◆ Multiple units can be used in cascade



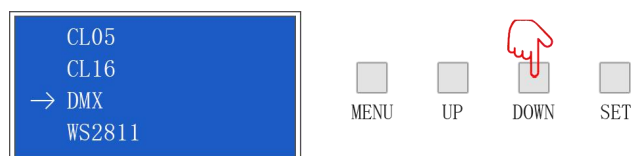
Note: When multiple rotary units are cascaded, the rotary dial codes under each port of the controller need to be modulated in order, couldn't be same!

## ◆ Control mode description

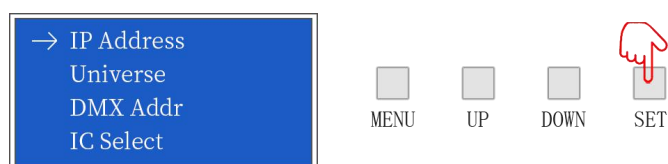
### DMX mode:



① After the controller is powered on, the default ARTNET mode, long press "MODE" to enter the parameter list, click "UP" or "DOWN" to select the IC type parameters;



② Click "SET" to enter the parameter list, click "DOWN" to select DMX model;



③ Click "SET" to save the parameters, long press "MENU" to complete the setting;

360 degree tube (1m)		360 degree tube (1.2m)		360 degree tube (1.5m)	
DMX code	Pixel value	DMX code	Pixel value	DMX code	Pixel value
0	1—25	0	1—32	0	1—37
1	26—50	1	29—58	1	38—74
2	51—75	2	58—87	2	75—111
3	76—100	3	88—116	3	112—149
4	101—125	4	117—145		
5	126—150				

### DMX channel description

Channel	Function	Function description
<b>Channel-1</b>	Rotation angle	128 equal parts of the circumference, 0 zero detection (calibration)
<b>Channel-2</b>	Speed	0 stop, 1 — 254 from slow to fast, 251-254 is preset lighting effect, and 255 channel 3 is valid
<b>Channel-3</b>	Automatic rotation	0 — 126 rotate counterclockwise from fast to slow, stop at 127\128; 129 — 255 rotate clockwise from slow to fast

### ◆ Application scenarios

- 1.Stage;
- 2.Exhibition;
- 3.Concert light show;
- 4.Advertisement



## ◆ FAQ

(1) **Question: After the wiring is completed, the controller is connected and the rotation is not controlled?**

Answer: Check whether the wiring is correct and whether the plug is loose; after confirming the connection is correct, check whether the controller IC (IC Select) is set to the DMX model;

① Long press "MODE" to enter the parameter menu      ② Click "UP" or "DOWN" to select IC type parameters



③ Click "SET" to enter the parameter list, click "DOWN" to select DMX IC model

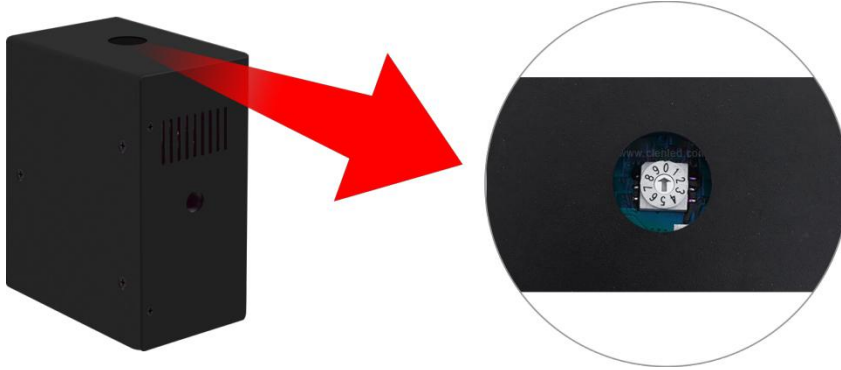


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④Click "SET" to save the parameters, and long press "MODE" to complete the setting;

(2) **Q: In the case of multiple rotations cascaded, what should I do if the effects of each rotation are synchronized? (Dial code setting)**

Answer: When multiple rotary color cloud tubes are cascaded, the code of the rotary color cloud tube dial under each port of the controller cannot be same



The code of each rotary controller dial cannot be same!  
Need to be arranged in order (0, 1, 2, 3...)

**Note:**

1. Pay attention to the use environment and be waterproof and moisture-proof;
2. There is high voltage inside, non-professionals should not disassemble the machine, otherwise the consequences will be at your own risk;
3. Man-made damage and natural damage are not guaranteed by the warranty;
4. If any abnormality is found during use, contact the manufacturer in time.