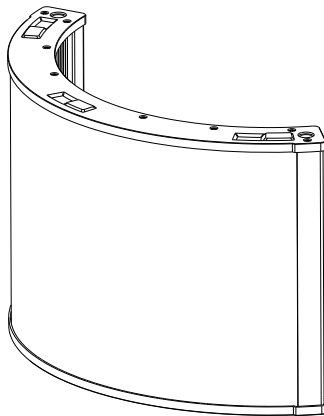


W220c

User Manual



1.Introduction

Thank you for purchasing the wide-angle series full-color curved light.

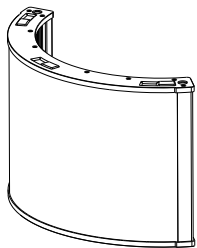
-- W220C

Lishuai wide-angle series light is a high-performance professional curved light specially developed by Lishuai for high-end live broadcasts and commercial shooting. The light body uses a unique metal convex design and a 160°large-angle light emission surface. It has high brightness, high color rendering, and high-quality light sources, greatly improving the quality of the image.In addition, our lighting system integrates with the new Light Reel APP, offering a wide range of options for live broadcast rooms and studio lighting. The APP provides precise stepless dimming from 0-100%, along with 19 built-in movie-level special effects and customizable function settings to cater to diverse scenes and significantly enhance work efficiency. With RGB design and various wireless light control methods, you can effortlessly explore stress-free creativity.

2. Warnings

1. Do not disassemble or modify the light.
2. Do not operate with wet hands, doing so may cause electric shock.
3. Do not operate in environments near flammable gasses or volatile liquids as this may increase the risk of explosion/fire.
4. Do not operate in enclosed spaces where heat buildup can be extreme, such as a car on a sunny day. The increased heat may cause premature failure of the lighting unit.
5. Do not touch the plug or AC adapter with wet hands; doing so may cause electric shock.
6. Do not damage, disassemble, pull or twist the power cord, otherwise it may cause fire or electric shock.
7. Do not place under heavy objects.
8. Keep the light surface clean with a soft, dry cloth.
9. Use ONLY the provided AC power adapter; using other AC power adapters may result in damage to the light.
10. Do not forcefully collide with the LCD touch screen to avoid damage.
11. Avoid dust and debris buildup on the light surface as this will change illuminance and color temperature.
12. When using accessories such as magic arms, make sure they are installed in place to avoid damage from falling or other safety issues.
13. Please loosen the adjustment & locking handle before adjusting the angle of the lamp body.

3. Standard Equipment List (please check and verify)



Light body
(1pc)



Adjustable stand mount
(1pc)



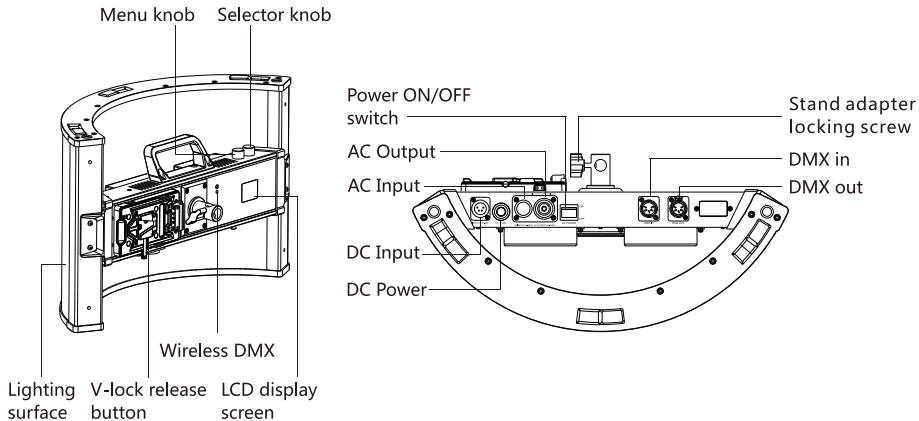
AC power cord
(1pc)



Instruction manual
(1pc)

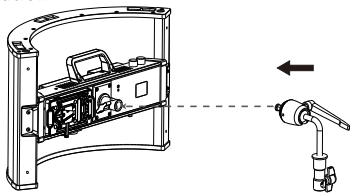
Tip: The illustrations in the manual are schematic diagrams and are for reference only. Since products are constantly updated and upgraded, if there is any discrepancy between the actual product and the diagram, please refer to the actual product.

4. Parts Identification



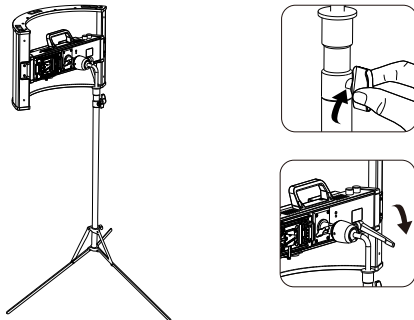
5.Usage

1.Lighting installation



Align the adjustable stand mount and the lamp connector with the holes, and tighten the connector locking screws.

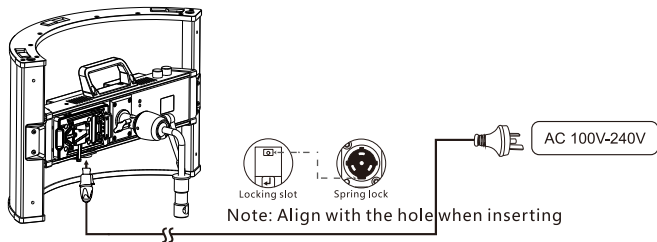
2. Fix the lamp body



Insert one end of the adjustable stand mount into the light stand and tighten the locking knob. Then adjust the angle locking handle to the desired angle.

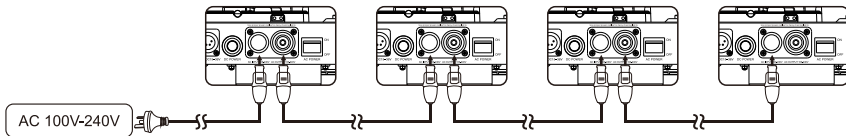
3. Power supply

(1) AC power supply (single lamp)



Insert one end of the power cord into the AC input port on the lower left corner of the light, and then connect the external power supply.

(2) AC power supply (multiple lights)

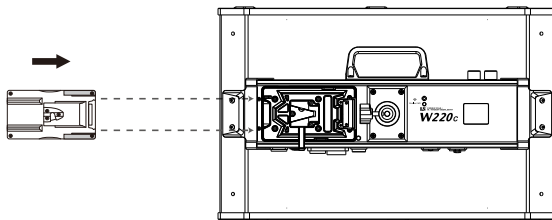


When multiple lights need to be powered by AC power, connect the AC input interface of the first control box to the external power supply, then use the control box cable (need to be purchased separately) to connect the AC input interface of the next control box through the AC output interface, and repeat the above operations. Multiple devices can be connected in sequence. For multi-light connection specifications, please refer to the table below.

Input voltage	Control box connection wire gauge	Number of control boxes (recommended maximum safe number)	Power cord gauge	power cord plug
AC100~120V	≥14AWG	6	≥14AWG	≥16A
	≥16AWG	4	≥16AWG	≥10A
AC200~240V	≥2.0square meters	12	≥2.0square meters	≥16A
	≥1.5square meters	8	≥1.5square meters	≥10A
	≥1.0square meters	4	≥1.0square meters	≥10A

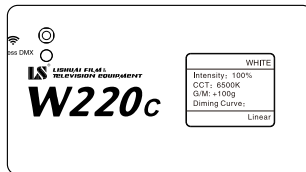
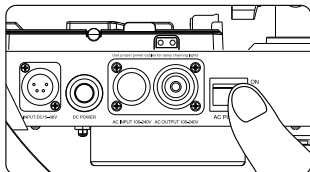
(Note: The rated current of the male and female plugs used in the control box connection cable must be ≥16A)

(3)DC power supply



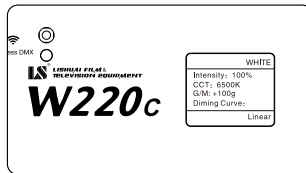
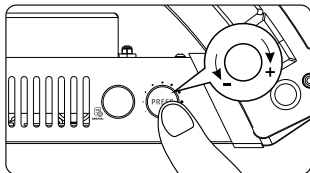
Note: When using external AC power supply, please turn off the DC power switch, otherwise it may cause damage; battery usage range: 13-30V/15A, ≥180Wh.

4. Power on and turn on the power switch



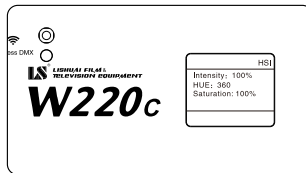
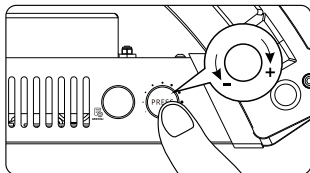
Turn on the power, turn on the power switch at the bottom of the control box, and the LCD screen of the control box will display a white light interface.

5. White light mode



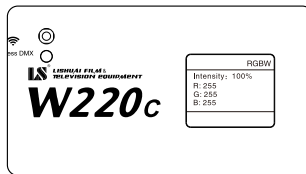
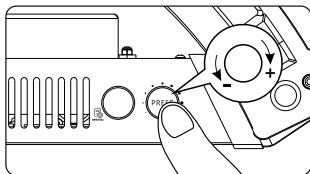
Rotate the menu knob to enter the white light interface. Short press the selector knob to switch between brightness, color temperature, and dimming curve modes. Rotate the selector knob to adjust the value. The brightness adjustment range is 0-100%, and the color temperature adjustment range is 2700K-10000K. The dimming curve options are Linear, Exponential, Logarithmic, and S-Curve, respectively.

6.HSI mode



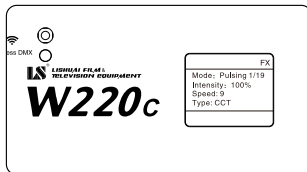
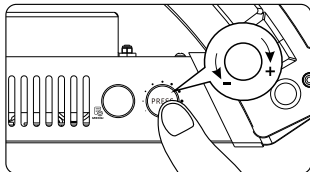
Rotate the menu knob to enter the color interface. Short press the selector knob to switch between brightness, hue, and saturation. Rotate the selector knob to increase or decrease the value. The brightness adjustment range is 0-100%, and the hue adjustment range is 0-360°. Saturation adjustment range 0-100%.

7.RGB mode



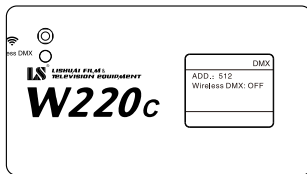
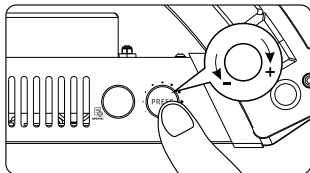
Rotate the menu knob to enter the RGB interface. Short press the selector knob to switch between brightness, red, green and blue. Rotate the selector knob to adjust the value. The brightness adjustment range is 0-100%, and red, green and blue can be adjusted separately, with a range of 0-255.

8.FX mode



Rotate the menu knob to enter the special effects interface. Short press the selector knob to switch between mode, brightness, speed and status. Rotate the selector knob to adjust the value. Special effects mode range is 1-19, the brightness adjustment range is 0-100%, the speed adjustment range is 0-9. Please refer to the actual situation on the fixture for details.

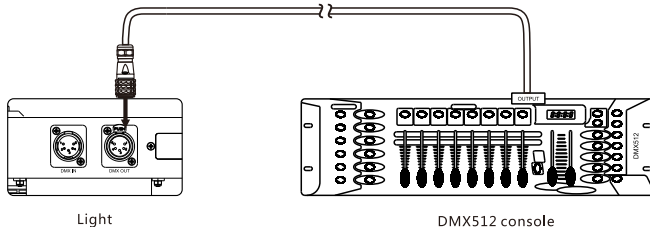
9.DMX mode



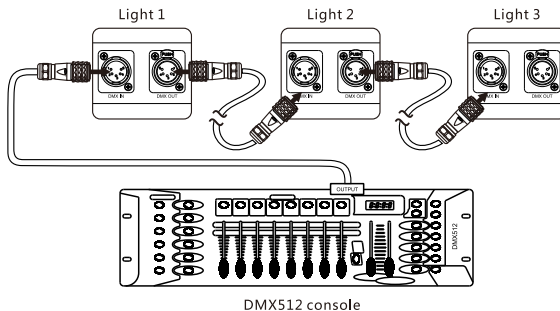
Rotate the menu knob to enter the DMX interface. Short press the multi-function knob to switch between address and wireless DMX. Rotate the selector knob to adjust the value. The address adjustment range is 1-512. The wireless DMX option is on and off.

(1)When using DMX, connect the DMX cable(to be purchased separately) to the console. Set up DMX address on the light to match the DMX console. Now the light is controlled by the DMX signal.

DMX connection for single light



DMX connection for multiple lights



(2)DMX Control

a.Single color temperature light :

The brightness is the corresponding channel on the console, such as 1-1 brightness (1 channel), 1-2 brightness (2 channels), 1-3 brightness (3 channels)...

b.Dual color temperature light :

Brightness and color temperature are adjacent channels on the console. If 1-1 is brightness, then 1-2 is color temperature (1 channel); 1-2 represents brightness, 1-3 represents color temperature (2 channels)...

DMX Address Correspondence Table :

LCD display address	DMX console channels (single color temperature)	DMX console channels (Bi-color temperature)
1	1-1 (Brightness)	1-1 (Brightness) ,1-2 (Color Temperature)
2	1-2 (Brightness)	1-2 (Brightness) ,1-3 (Color Temperature)
.....
16	1-16 (Brightness)	1-16 (Brightness) ,2-1 (Color Temperature)
17	2-1 (Brightness)	2-1 (Brightness) ,2-2 (Color Temperature)
.....
511	32-15 (Brightness)	32-15 (Brightness) ,32-16 (Color Temperature)
512	32-16 (Brightness)	32-16 (Brightness) ,32-17 (Color Temperature)

(3) Wireless DMX Operation instructions

To use the wireless DMX function, short press the selector knob, adjust to the DMX settings interface and turn on the wireless DMX. Press the wireless DMX button on the upper right side of the control box. The indicator light displays the current ID value in color. Each time you press the wireless DMX button, the indicator light will cycle through the colors red, green, yellow, blue, purple, cyan, and white. The status of the wireless DMX indicator listed below.

Indicator working conditions	Signals receiving condition
Be continuously on	No wireless DMX signal
Green color flashes	Signal is being received

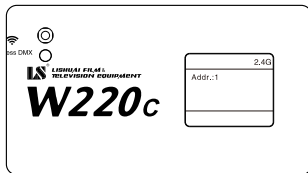
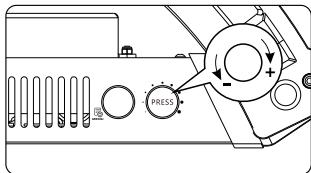
Note: To use the wireless DMX control function, please make sure the signal from the transmitter is the the same as the signal on the control box, means that the wireless DMX indicators on the control box and the transmitter show the same color.

Wireless DMX transmitter operation instructions(wireless DMX transmitter need to be purchased separately)

1) Connect the wireless transmitter to the DMX console, and power on the wireless transmitter.
2) Try to use a small stick to press the button of the wireless DMX transmitter, the indicator on it shows different colors of red, green, yellow, blue, purple, cyan and white. The different colors means different ID numbers. Make sure the color is the same as the indicator color on the control box. The working status of the wireless DMX transmitter is as below.

Indicator working conditions	Signals transmitting condition
Be continuously on	No wireless DMX signal
Red color flashes	Signal is being transmitted

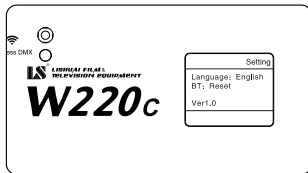
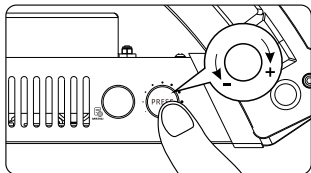
10.Remote control Mode(remote control to be purchased separately)



Rotate the menu knob to enter the remote control interface. Rotate the selector knob to adjust the address values. The remote control address adjustment range is 1-12, and the remote control address selection is synchronized with it.

Noted:RMT-OFF means that the remote control function can not be used.

11.Setting mode



Rotate the menu knob to enter the settings interface. Short press the selector knob to switch between language and Bluetooth settings.

- Language switching: Rotate the selector knob to switch between Chinese and English options.
- Bluetooth settings: Before using the APP to control the lighting, rotate the selector knob to reset the Bluetooth of the lighting.

12.APP control



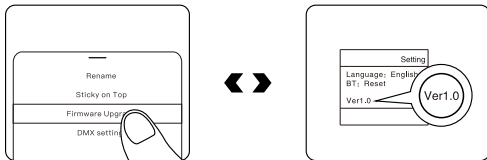
Light Reel User's Guide



APP download page

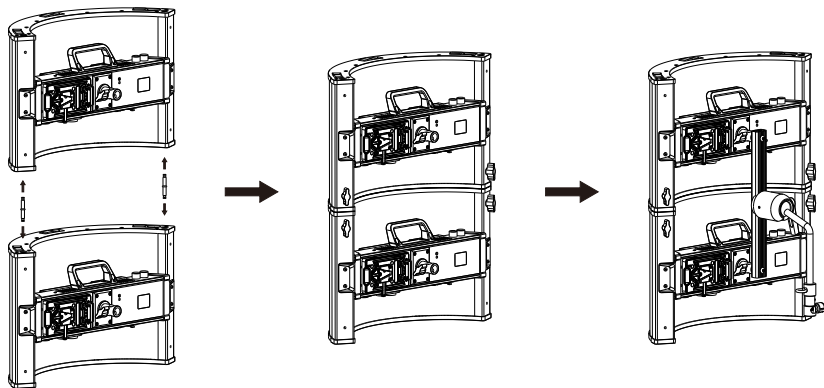
Users can search for "Light Reel" in the Appstore and Android market, or scan the QR code above to download the mobile APP to control the lighting of Lishuai Film and Television.

13.Firmware Upgrade



Users can upgrade their firmware through the Light Reel APP. After the upgrade is successful, they need to restart the lighting and enter the settings interface to view the current device version.

14. Two lights splicing (accessories need to be purchased separately)



- (1) Insert the two connecting rods into the holes on the upper and lower sides of the lamp body to connect the two lights.
- (2) Then use the four locking knobs to tighten the four holes on sides of the two lights.
- (3) Use the dual light adjustable stand mount to connect the two lights, and tighten locking screws.

6.Product specifications

Product model	W220C
Power	230W
Beam angle	160°
Color temperature	2700K-10000K
CRI	Average 95
TLCI	Average 97
Rf	Average 92
Rg	Average 101
Working voltage	AC100V-240V , 50/60HZ
V-mount port battery output	13~30V
V-mount battery compatibility	14.8V、 16.8V Battery half power output ; 26V、 28.8V Battery full power output ;
Lighting size	510 x 235 x 320mm
Lighting weight	6kg
Adjustable stand mount weight	1kg

W220C Illuminance data						
CCT	Distance	1m	2m	3m	4m	5m
	Data					
2700K	W/O reflector	3802 lux	1078 lux	508 lux	296 lux	193 lux
3200K	W/O reflector	3981 lux	1128 lux	530 lux	310 lux	203 lux
5600K	W/O reflector	4472 lux	1274 lux	599 lux	351 lux	231 lux
6500K	W/O reflector	4630 lux	1306 lux	617 lux	361 lux	237 lux
10000K	W/O reflector	5026 lux	1420 lux	666 lux	392 lux	258 lux
R	W/O reflector	624 lux	178 lux	84 lux	51 lux	34 lux
G	W/O reflector	1378 lux	391 lux	185 lux	109 lux	73 lux
B	W/O reflector	258 lux	75 lux	36 lux	22 lux	16 lux

Product specifications are based on testing our laboratory samples. The product may vary slightly, however these variations will not affect normal use. The design and specifications are subject to change without notice.



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