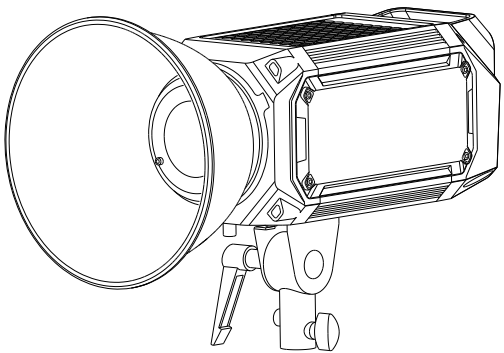
LISHUAI FILM & TELEVISION EQUIPMENT

COOLCAM

300D G | 300X G

User Manual



Yuyao Lishuai Film & Television Equipment Co., Ltd

1.Introduction

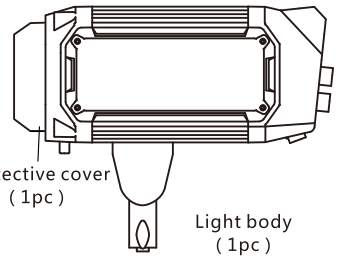
Thank you for purchasing the Lishuai COOLCAM series of LED video lights. The LiShuai COOLCAM series products are the high-performance professional lights specially designed for high-end live streaming and commercial shooting.

The COOLCAM300D【G】/300X【G】light body is compact and lightweight yet delivers exceptional performance with high brightness, excellent color rendering, and a high-quality light source, significantly enhancing picture quality. Moreover, it comes with the new Light Reel APP, which provides more options for live streaming rooms and studio lighting. With 0-100% precise stepless dimming, 11 built-in movie grade special effects, and three levels of cooling fan speed adjustment, it offers functional settings that cater to different scenarios and comprehensively improve work efficiency. It also features single or dual color temperature selection, wireless light control methods, and a standard Bowens mount design, which makes it easy to unleash your creativity without pressure.

2.Warnings

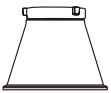
1.Do not disassemble of modify the light.
2.Do not operate with wet hands, doing so may cause electric shock.
3.Do not operate in environments near flammable gasses or volatile liquids as this may increase the risk of explosion/fire.
4.Do not operate in enclosed spaces where heat buildup can be extreme, 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 please ensure that these are installed properly to avoid damage to the light or other safety issues caused by falling accessories.
13.Please loosen the adjustment & locking handle before adjusting the angle of the lamp body.

3.Standard Equipment List



Protective cover
(1pc)

Light body
(1pc)



Standard cover
(1pc)

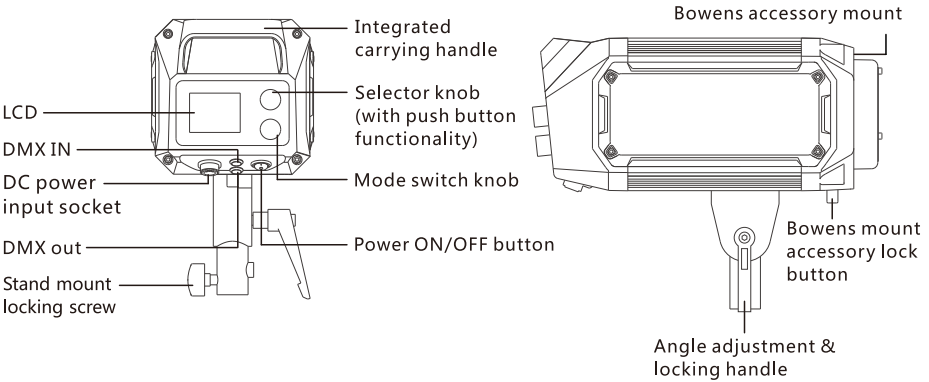
Power cord
(1pc)

Power adapter
(1pc)

Safety cable
(1pc)

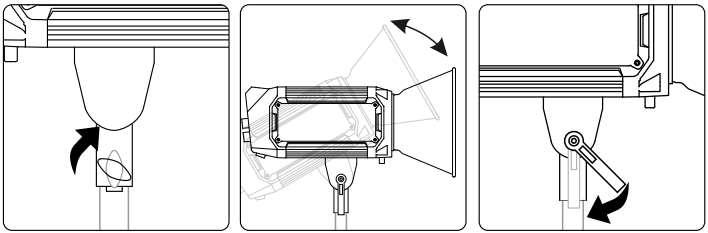
Instruction manual
(1pc)

4.Parts Diagram



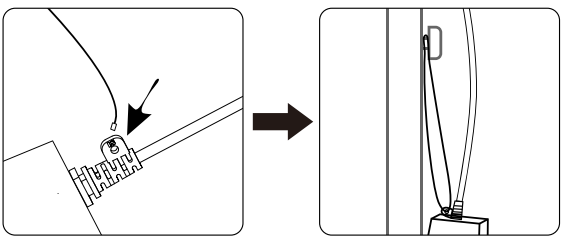
5.Operation Instructions

1.Light Installation



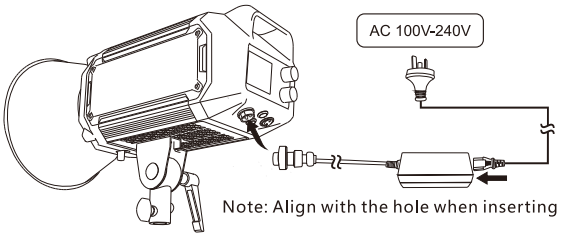
Tighten the stand mount locking screw to fix the light on the tripod, adjust the appropriate angle with the light handle, and then lock the locking handle clockwise.

2.Placing the power adapter



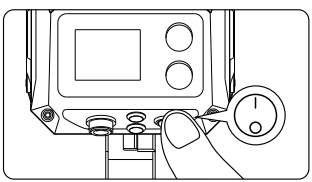
Use the safety cable to hand the power adapter on the light support.

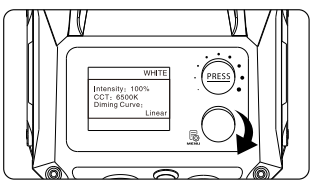
3.Power Supply



Connect the power adapter to the light fixture by inserting the power adapter plug into the DC power input socket on the lower left corner of the light fixture.Connect the AC power cable to the external AC power (AC100-240V).

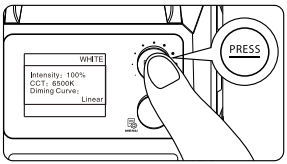
4.Power on and turn on the power switch

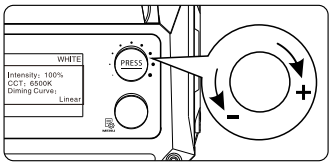




Press the power button to turn the light on. And turn the mode switch knob for White, special effects, DMX, fan, remote control and settings. The LCD shows all the relevant data.

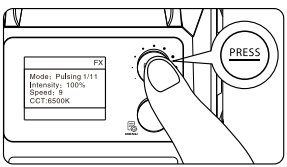
5.White Mode

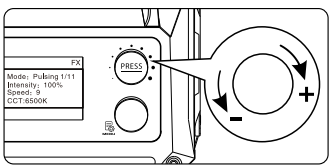




Enter White interface, and short press the selector knob to switch between brightness ,color temperature and dimming curve modes. Rotate the selector knob to adjust the value, with a brightness adjustment range of 0-100% and a color temperature adjustment range of 2700K-6500K.Rotate the selector knob to switch between linear, exponential, logarithmic, and S-Curve.

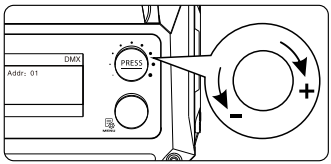
6.FX Mode





Enter the special effects interface and short press the selector knob to switch between mode brightness, speed, and color temperature (300X【G】). To adjust the settings, rotate the selector knob to the desired value. The special effects mode range is from 1 to 11. The brightness adjustment range can be set from 0 to 100%. Adjust the speed with the selector knob within the range of 0 to 9. You can also adjust the color temperature by selecting between 2700K to 6500K, or by selecting warm white, neutral, or cold white.

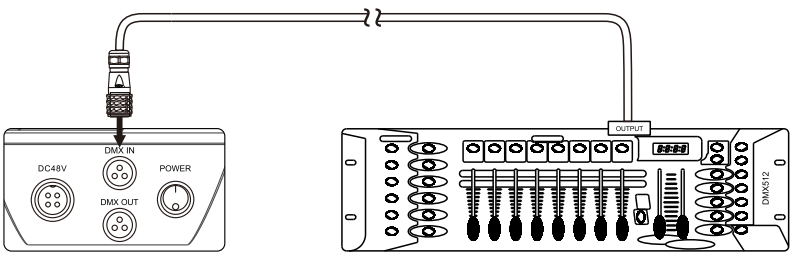
7.DMX Mode



Enter the DMX interface and rotate the selector knob to adjust the value, with an address adjustment range of 1-512.

(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.

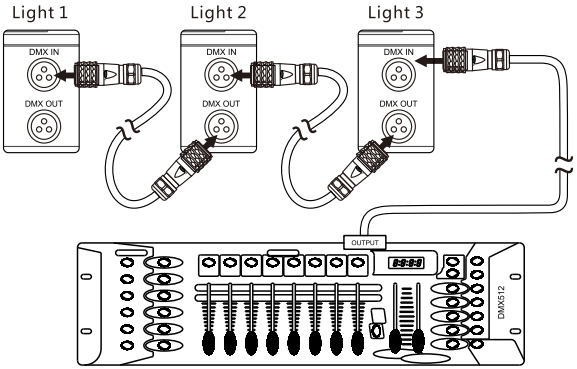
DMX connection for single light



Light

DMX512 console

DMX connection for multiple lights



DMX512 console

(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 :

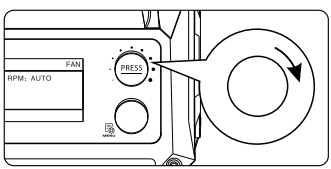
Brightness and color temperature are adjacent channels on the console. If 1-1 is brightness, then 1-2

is color temperature (1 channel); 1-2 represents brightness, 1-3 represents color temperature (2 channels)...

DMX Address Correspondence Table :

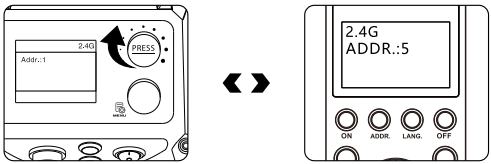
LCD display address	DMX console channels (single color temperature)	DMX console channels (Bi-color temperature)
1	1-1 (Brightness)	1-1 (Brightness) ,1-2 (Color Temperature)
2	1-2 (Brightness)	1-2 (Brightness) ,1-3 (Color Temperature)
.....	.....	.....
16	1-16 (Brightness)	1-16 (Brightness) ,2-1 (Color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

8.Fan Mode



Enter the fan interface and rotate the selector knob to switch between automatic, low, medium, and high modes.

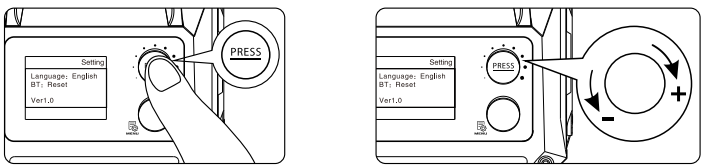
9.Remote Control Mode(remote control for optional purchase)



Enter the remote control interface and rotate the selector knob to adjust the address. The remote control address adjustment range is 1-12, and the remote control address selection is synchronized with the light.

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

10.Setting Mode



Enter the settings interface and short press the selector knob to switch between language, Bluetooth settings.

a. Language switching: Rotate the selector knob to switch between Chinese and English options.

b. Bluetooth settings: Before using the APP to control the lighting, rotate the selector knob to reset the Bluetooth of the lighting.

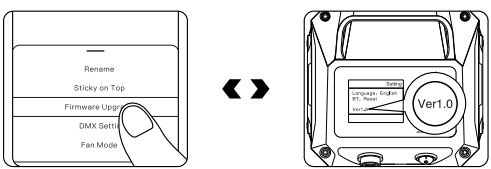
11.APP Control

Operation Instruction

Download in Apple Store

Users can search for "Light Reel" in the Apple store and Android market, or scan the QR code above to download APP to control the lighting.

12.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.

6.Product specifications

Product model	300D【G】	300X【G】
Power	310W	310W max
Beam angle	120°	
Color temperature	5600K	2700K-6500K
CRI	≥96	≥95
TLCI	≥97	
Rf	Average 93	
Rg	Average 100	
Working voltage	AC power adapter:AC100V-240V , Light fixture:DC48V	
Size	29 x 13.2 x 24cm	
Weight	2.75kg (Light body) , 1.02kg (Power adapter)	

300D【G】Illuminance data					
CCT	Distance / Data	1m	2m	3m	5m
5600K	W/O reflector	11059 lux 1026 fc	2819 lux 263 fc	1281 lux 120 fc	485 lux 46 fc
	Standard cover	71493 lux 6682 fc	11537 lux 1072 fc	4431 lux 415 fc	1404 lux 131 fc

300X【G】Illuminance data					
CCT	Distance / Data	1m	2m	3m	5m
2700K	W/O reflector	6546 lux 609 fc	1684 lux 157 fc	771 lux 72 fc	295 lux 27 fc
	Standard cover	42823 lux 3980 fc	6979 lux 649 fc	2675 lux 250 fc	857 lux 80 fc
3200K	W/O reflector	8187 lux 766 fc	2107 lux 197 fc	965 lux 90 fc	371 lux 35 fc
	Standard cover	53512 lux 4982 fc	8686 lux 810 fc	3344 lux 312 fc	1073 lux 100 fc
5600K	W/O reflector	9968 lux 936 fc	2554 lux 239 fc	1171 lux 109 fc	451 lux 42 fc
	Standard cover	65185 lux 6080 fc	10541 lux 985 fc	4069 lux 382 fc	1307 lux 121 fc
6500K	W/O reflector	9351 lux 882 fc	2410 lux 224 fc	1102 lux 102 fc	423 lux 40 fc
	Standard cover	60916 lux 5720 fc	10058 lux 937 fc	3851 lux 358 fc	1237 lux 116 fc

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.

LISHUAI FILM & TELEVISION EQUIPMENT

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