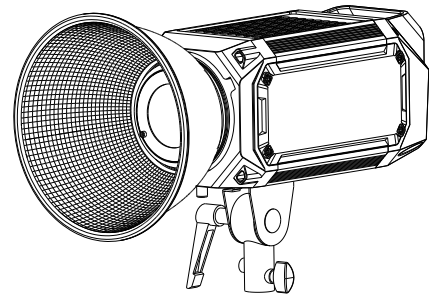


CAME-TV

User Manual

Tioga Series



310D | 310B



I. Introduction

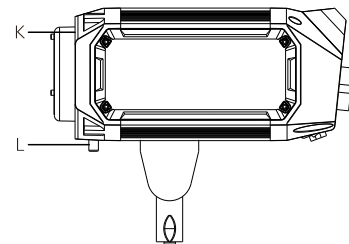
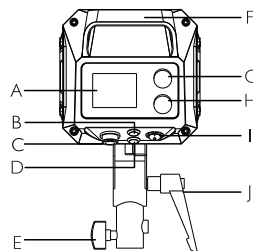
1. Using high-power LED light source. Accurate color temperature, color rendering index and TLCI of 95 and above, and a working life of more than 50,000 hours.
2. 0 - 100% PWM integrated digital stepless dimming, the dimming process is linear and uniform.
3. Preset 11 special effects modes, with adjustable brightness, color temperature and speed.
4. With NTC temperature detection, automatic fan speed control, overheating protection function.
5. LCD color digital display, accurate display of real-time data.
6. The high-strength aluminum shell has good heat dissipation, to ensure the overall life of the product.
7. LED heat-free technology ensures that the light source output is stable, consistent and accurate in various environments.
8. Support mobile APP to adjust various parameters of lighting, convenient and fast.
9. It comes with DMX dimming function, through which 512 different channels of lights can be controlled by DMX console or dimming controller.
10. Two lighting versions are available, 310D daylight version and 310B dual color temperature version.
11. Suitable for film and television shooting, studio, advertising shooting, shooting of various characters and scenes, including portrait photography, wedding photography, children photography, etc.

II. Precaution

1. Do not disassemble the lamps, weld the lamp bead by non-professionals.
2. Do not operate with wet hands, otherwise it may cause electric shock.
3. Do not use in flammable, volatile liquid or gas environment, otherwise it may cause explosion or fire.
4. Do not use this product in a closed vehicle or other high-temperature environments exposed to direct sunlight, otherwise it may protect the product from frequent overheating and affect use.
5. Do not touch the plug or adapter with wet hands, otherwise it 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 this product under heavy objects.

8. Please wipe the dust on the product with a dry cloth.
9. Please use the power adapter included with this product.
10. It is forbidden to hit the LCD touch screen with force to avoid damage.
11. Keep the light-emitting surface clean to avoid the influence of dirt on brightness and color temperature.
12. When using accessory such as power adapter, please ensure that it is installed in place to avoid damage or other safety issues caused by falling.
13. Please loosen the angle adjustment locking handle before adjusting the angle of the lamp body.

III. Part Name



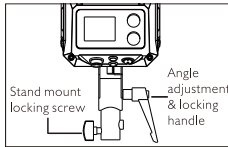
- | | |
|-----------------------------|--------------------------------------|
| Ⓐ LCD screen | Ⓑ DMX IN |
| Ⓒ DC power input socket | Ⓓ DMX OUT |
| Ⓔ Stand mount locking screw | Ⓕ Integrated caring handle |
| Ⓖ Multi-function knob | Ⓗ Mode switch knob |
| Ⓘ Power ON/OFF switch | Ⓙ Angle adjustment & locking handle |
| Ⓚ Bowen mount | Ⓛ Bowens mount accessory lock button |



IV.Usage

1. Lamp Installation

- 1) Loosen the stand mount locking screw by turning counterclockwise. Place the mount on the light stand and secure the screw by turning clockwise. Please insure the light stand is fully mounted onto the support and the screw is securely fastened.
- 2) Adjust the light to the desired angle by loosening the angle adjustment and locking handle by turning clockwise. Move the light to the desired position, then tighten the angle adjustment and locking handle by turning clockwise.

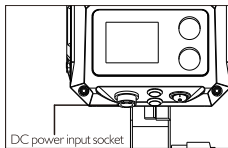


2.Place the power adapter

Use the safety cable to hang the power adapter on the light stand.

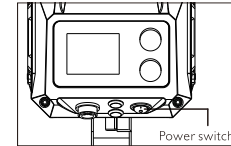
3.Power supply

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



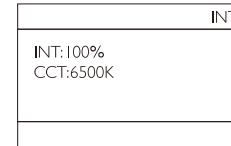
4.Power ON/OFF

Press the power switch, the light is on. Turn the mode switch knob, and the LCD screen display the brightness, color temperature, special effects, language and address.



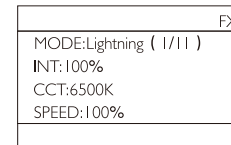
5.Brightness/Color Temperature Mode

Turn the mode switch knob to enter the brightness/color temperature interface, and short press the multi-function knob to switch between brightness and color temperature modes. Turn the multi-function knob to adjust the brightness from 0-100%, or adjust the color temperature from 2700-6500K on a Bi-color lamp.



6.FX Mode

Turn the mode switch knob to enter the special effect interface. Short press the multi-function knob to switch between brightness, color temperature, mode and speed. Turn the multi-function knob to adjust the brightness, color temperature, special effect mode and speed. The brightness and speed adjustment range is 0-100%. The color temperature adjustment range is 2700K-6500K, the special effect modes include lightning, fireworks, strobe, breathing, cop car, SOS, fault light, turn signal, paparazzi, screen, H&L beam.

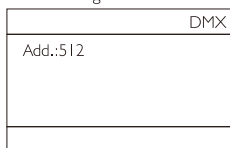




The brightness and speed adjustment range is 0-100%. The color temperature adjustment range is 2700K-6500K, the special effect modes include lightning, fireworks, strobe, breathing, cop car, SOS, fault light, turn signal, paparazzi, screen, H&L beam.

7. DMX Mode

Rotate the mode switch knob to enter the DMX interface. Rotate the multi-function knob to adjust the DMX address, increasing clockwise and decreasing counterclockwise. The adjustment range of DMX address is 1-512.

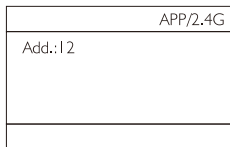


8. Remote control Mode

Turn the mode switch knob to enter the address interface, rotate the multi-function knob to adjust the remote control address 1-12.

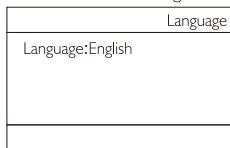
Remarks: RMT-OFF is the remote control lock function, and the operation light is not controlled.

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



9. Language Mode

Turn the mode switch knob to enter the language interface, and turn the multi-function knob to switch between Chinese and English modes.



10. How to use CAME-TV Tioga APP

You can search CAME-TV Tioga in APP store or Android market or scan the QR code below to download the APP to control lights.



Android



IOS

Open the APP. Select DAYLIGHT or BI COLOR to search for devices, click to search device and enter the control interface.

Set APP address the same as on the light. The APP address can be set 1-12.

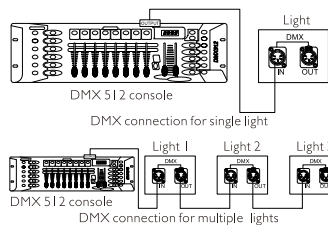
Now the light can be controlled by the mobile APP. The Brightness, color temperature, special effects, language and APP address can be adjusted.

11. DMX connection

When using DMX, connect the DMX cable to the console as below. Set up DMX address same as DMX console. Now the light is controlled by DMX signal.

12. DMX control

Please see below details of DMX address on LCD and corresponding channels on DMX console.



DMX address correspondence table:

DMX address on LCD	Corresponding channel on DMX console
1	1-1 (Brightness) , 1-2 (CCT)
2	1-2 (Brightness) , 1-3 (CCT)
.....
16	1-16 (Brightness) , 2-1 (CCT)
17	2-1 (Brightness) , 2-2 (CCT)
.....
511	32-15 (Brightness) , 32-16 (CCT)
512	

V. Product specifications

Product model	310D	310B
CCT Color temperature	5600K(±300K)	2700K(±150K)-6500K(±300K)
Brightness adjustment range	0-100%	
CRI	≥96	≥95
Beam angle	120°	
Scene	Support (11 scenes)	
Power	310W	310W max
Working voltage	AC power adapter:AC100V-240V,Light fixture:DC48V	
Size	29 x 13.2 x 24cm	
Net weight	2.75kg	
Item included	LED Spotlight×1, 20°Standard reflector×1, Power cord×1, AC power adapter×1, Safety cable×1	

310D Illuminance data						
CCT	Distance	1m	2m	3m	4m	5m
5600K	W/O reflector	11059Lux	2819Lux	1281Lux	746Lux	485Lux
	W/20° reflector	71493Lux	11537Lux	4431Lux	2300Lux	1404Lux
	W/55° reflector	33317Lux	7618Lux	3267Lux	1812Lux	1162Lux
310B Illuminance data						
CCT	Distance	1m	2m	3m	4m	5m
2700K	W/O reflector	6546Lux	1684Lux	771Lux	451Lux	295Lux
	W/20° reflector	42823Lux	6979Lux	2675Lux	1392Lux	857Lux
	W/55° reflector	20168Lux	4650Lux	2017Lux	1120Lux	719Lux
3200K	W/O reflector	8187Lux	2107Lux	965Lux	565Lux	371Lux
	W/20° reflector	53512Lux	8686Lux	3344Lux	1742Lux	1073Lux
	W/55° reflector	25412Lux	5853Lux	2535Lux	1406Lux	904Lux
4400K	W/O reflector	9087Lux	2337Lux	1074Lux	630Lux	414Lux
	W/20° reflector	60221Lux	9771Lux	3743Lux	1951Lux	1201Lux
	W/55° reflector	28431Lux	6525Lux	2836Lux	1579Lux	1014Lux
5600K	W/O reflector	9968Lux	2554Lux	1171Lux	690Lux	451Lux
	W/20° reflector	65185Lux	10541Lux	4069Lux	2118Lux	1307Lux
	W/55° reflector	31628Lux	7165Lux	3100Lux	1724Lux	1107Lux
6500K	W/O reflector	9351Lux	2410Lux	1102Lux	646Lux	423Lux
	W/20° reflector	60916Lux	10058Lux	3851Lux	2008Lux	1237Lux
	W/55° reflector	29512Lux	6793Lux	2929Lux	1631Lux	1046Lux

All specifications and parameters of this product are tested according to the company's laboratory samples. The product may be slightly different and does not affect normal use. Design and specifications are subject to change without notice.