

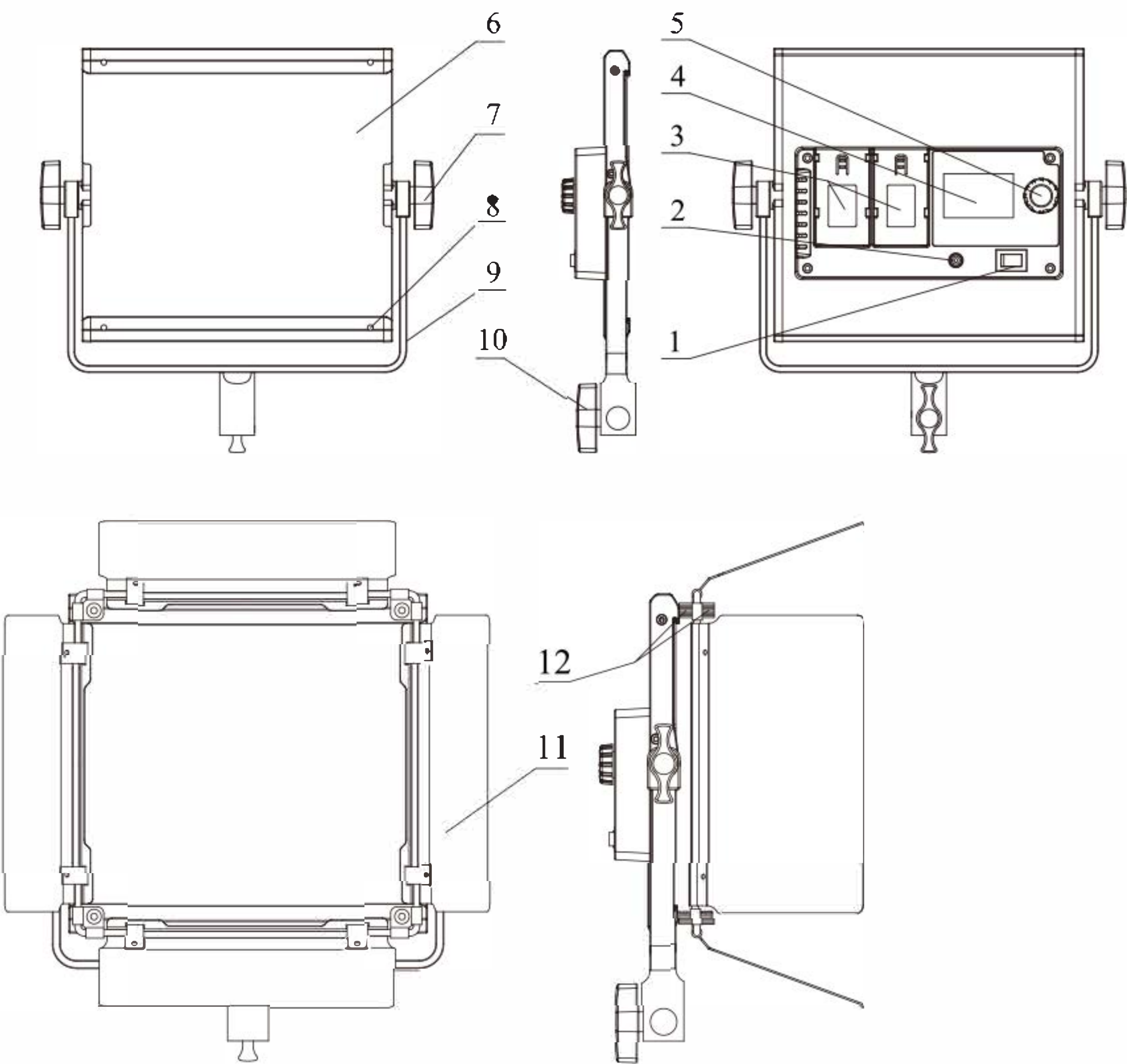
SPL-420B Video Light

Thanks to choose Mettle SPL Series LED Smart Panel Light.

Mettle SPL Series LED Smart Panel Light use high power LED. It has advantages of high luminous efficiency, long life, high CRI etc. The heat dissipation by aluminum housing directly. It is ultra-thin, stable and easy to carry. It can controlled by smart phone APP.

The light is widely used in digital photography, film and TV shooting, studio video photography.

I. Structure



- | | | | | | |
|----|---------------------------------|----|--------------------------------|----|--------------------------|
| 1 | Power switch | 2 | Power input | 3 | Battery groove |
| 4 | LCD display | 5 | Power/Color temperature button | 6 | LED surface |
| 7 | Angle adjusting and locking nut | 8 | Accessory mounting hole | 9 | Holder |
| 10 | Stand locking screw | 11 | Barndoor | 12 | Accessory mounting screw |

II . Product Specification

Model	SPL-210	SPL-210B	SPL-420	SPL-420B
Max output (W)	35W	35W	70W	70W
Illuminance (Lux@1m)	1100		2100	

CCT(K)	3200-5600K			
Color restoration	>95%			
TLCI	>95%			
Beam angle	100°			
Smart phone control	No	Yes	No	Yes
Master/Slave	No	Yes	No	Yes
Remote distance	-	>10m	-	>10m
Adapter input	AC 90-240V~ 50/60Hz			
Adapter output	DC 15V / 3A		DC 15V / 5A	
Housing size(mm)	282×52×277		492×52×277	
Weight(kg)	1.1		1.8	

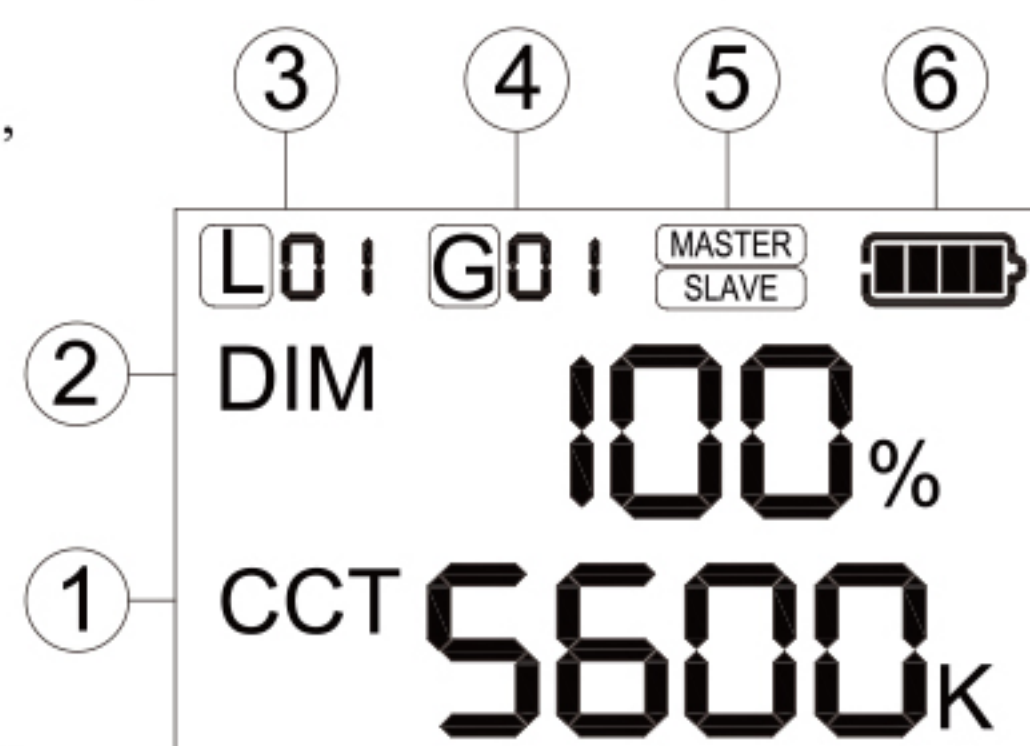
III. Method of Application

1. Power input

Connect the light power adapter to AC power, insert adapter output to power input (2), turn on power switch (1) to DC port, LCD display (4) lightens.

The light can use 2xNP-F battery to power. When use battery , turn on power switch (1) to BATT port, LCD display (4) lightens.

- ① CCT color temperature
- ② DIM power
- ③ Light No.
- ④ Group No.
- ⑤ Master/Slave
- ⑥ Battery indicator



Note: If don't use original light power adapter, or third party adapter doesn't match the light, it will lead some conditions happen such as the light flicker, no brightness or weak brightness. Please turn off power in time in case damage the light or adapter.

2. Power/Color temperature adjustment

Rotate power/color temperature button (5), rotate one grid in every clockwise, power increase 1%; rotate one grid in every anticlockwise, power decrease 1%. Power range from 0 (off) to 100% (full power)

Press power/color temperature button (5) to switch DIM and CCT. When CCT flicker, rotate one grid in every clockwise, color temperature increase 50K; rotate one grid in every anticlockwise, color temperature decrease 50K. The CCT range from 3200K-5600K.

3. Light No/Group No/Master/Slave Mode setting

Press power/color temperature button (5) 2-3s, Light No “L” ③ flicker, rotate power/color temperature button (5) to change Light No; press power/color temperature (5) again, Group No “G” flicker, rotate power/color temperature button (5) to change Group No; Press button again, Master/Slave flicker, rotate the button (5) to set up Master/Slave.

Download APP “METTLE” to change Light No. and Group No. on the smart phone

4. Master/Slave Mode

MASTER: Transmitter and receiver to control same group lights. When adjust light parameter in one group, can synchronously change all lights to the same parameter in the group. When adjust main light and transmitter in the same time, other group lights synchronously change.

SLAVE: Only receiver to control same group lights. When adjust Master light parameter in one group, can synchronously change all lights to the same parameter in the group.

Turn off Master/Slave: When there is no Master/Slave Mode on the LCD display, means turn off Master/Slave

mode.

5. Power indicator

The LCD display shows power indicator⑥, when battery low, the power indicator decrease. Such as one grid on indicator, need to charge battery; if keep to use, the light will off automatically until the battery no power.

6. Barndoor install

Screw 4 piece accessory mounting screw to accessory mounting hole (8), put on a barndoor, screw accessory mounting screw.

7. Restore factory setting

Press power/color temperature button (5) 8s until LCD display flicker.

IV. Attention

11. When the light is using or turn off, please do not touch the LED and the lamp head to avoid skin burns.
12. Do not cover light body to effect cool.
13. Keep clean, turn off the light when cleaning.
14. After using, keep the light in a safe and dry place.
15. Do not keep the light in sunlight or in high temperature. And do not expose the light in dripping or splashing.
16. Do not use solvents, gasoline, paints and pesticides in the product.
17. Do not insert metal objects into lamp housing.
18. Do not touch the power cord with wet hands.
19. When draw out the power plug, always pull the plug rather than the power cord.
20. Do not attempt to repair the light. If there are some problems, turn off the light and contact your dealer or our company.

V. Packing

- | | | | |
|---|---------------|---|-------------|
| 1 | Light body | 2 | Power cable |
| 3 | DC15V adapter | 4 | Manual |

VI. Troubleshooting

When using this product, you may encounter the following problems:

Description	Cause	Trouble-shooting
No reaction after power on	Dimmer knob on 0%	Rotate the dimmer knob clockwise.
	Power adapter not match	Use standard adapter.
	Low battery	Install new battery or charge the batteries before use.
	Circuit board damaged	Return to factory repair.
Battery power test Inaccurate when power switch is on Display low battery when you increase the brightness, Display high battery when you lower brightness	Battery capacity shown indicated the length of time available for use in the current luminance; A high luminance requires more power and shortens the length of time available for use, so the battery capacity shown is lower.	Normal
LCD display incomplete or backlight off	LCD display damage	Return to factory repair.

Download software:



FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.