



amaran F22c LED Light Mat User Manual

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amaran[®]

amaran F22c LED Light Mat



Foreword

- Thank you for purchasing “amaran” LED photography lights – amaran F21c.
- Amaran F21c is amaran newly designed cost performance light fixture. Compact structure design, compact and light, excellent texture.
- Has a high performance level, such as high brightness, high color rendering index, can adjust the brightness, etc. It can be used with variety of lighting accessories to achieve lighting effects and enrich product usage patterns. So that the product to meet the needs of different occasions light control, easy to achieve professional level photography.

IMPORTANT SAFETY INSTRUCTIONS

When using this unit, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions before using.
2. Close supervision is necessary when any fixture is used by or near children. Do not leave the fixture unattended while in use.
3. Care must be taken as burns can occur from touching hot surfaces.
4. Do not operate the fixture if a cord is damaged, or if the fixture has been dropped or damaged, until it has been examined by qualified service personnel.
5. Position any power cables such that they will not be tripped over, pulled, or put into contact with hot surfaces.
6. If an extension cord is necessary, a cord with an amperage rating at least equal to that of the fixture should be used. Cords rated for less amperage than the fixture may overheat.
7. Always unplug the lighting fixture from the electrical outlet before cleaning and servicing, or when not in use. Never yank the cord to remove the plug from the outlet.
8. Let the lighting fixture cool completely before storing. Unplug the power cable from lighting fixture before storing and store the cable at assigned space of the carrying case.

9. To reduce the risk of electric shock, do not immerse this fixture in water or any other liquids.
10. To reduce the risk of fire or electric shock, do not disassemble this fixture. Contact cs@aputure.com or take the lighting fixture to qualified service personnel when service or repair is required. Incorrect reassembly may cause electric shock when the lighting fixture is in use.
11. The use of any accessory attachment not recommended by the manufacturer may increase the risk of fire, electric shock, or injury to any persons operating the fixture.
12. Please power this fixture by connecting it to a grounded outlet.
13. Please do not block the ventilation or do not look at the LED light source directly when it is powered on. Please do not touch the LED light source in any condition.
14. Please do not place the LED lighting fixture near any flammable object.
15. Only use a dry microfiber cloth to clean the product.
16. Please do not use the light fixture in wet condition on account of electric shock may be caused.
17. Please have the product checked by an authorized service personnel agent if the product has a problem. Any malfunctions caused by unauthorized disassembly are not covered by the warranty. The user may pay for maintenance.
18. We recommend only using the original Aperture cable accessories. Please note that any malfunctions caused by using unauthorized accessories are not covered by the warranty. The user may pay for maintenance.
19. This product is certified by RoHS, CE, KC, PSE, and FCC. Please operate the product in full compliance with relevant country's standards. Any malfunctions caused by incorrect use are not covered by warranty. The user may pay for maintenance.
20. The instructions and information in this manual are based on thorough, controlled company testing procedures. Further notice will not be given if the design or specifications change.

SAVE THESE INSTRUCTIONS

FCC Compliance Statement

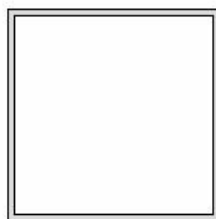
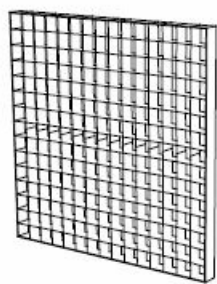
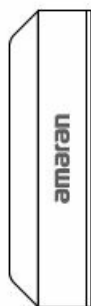
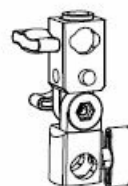
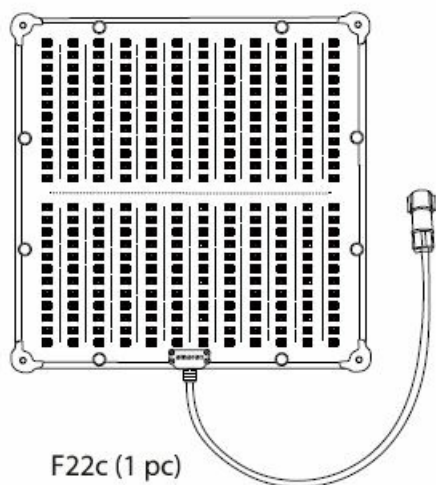
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
 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 reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
 - Connect the equipment to an outlet on a different circuit than the receiver is connected to. Consult the dealer or an experienced radio/TV technician for help. This device has been

evaluated to meet general RF exposure requirements.

Components List

Please make sure all accessories listed below are completed before using. If not, please contact with your sellers immediately.



Soft Box (1 pc)

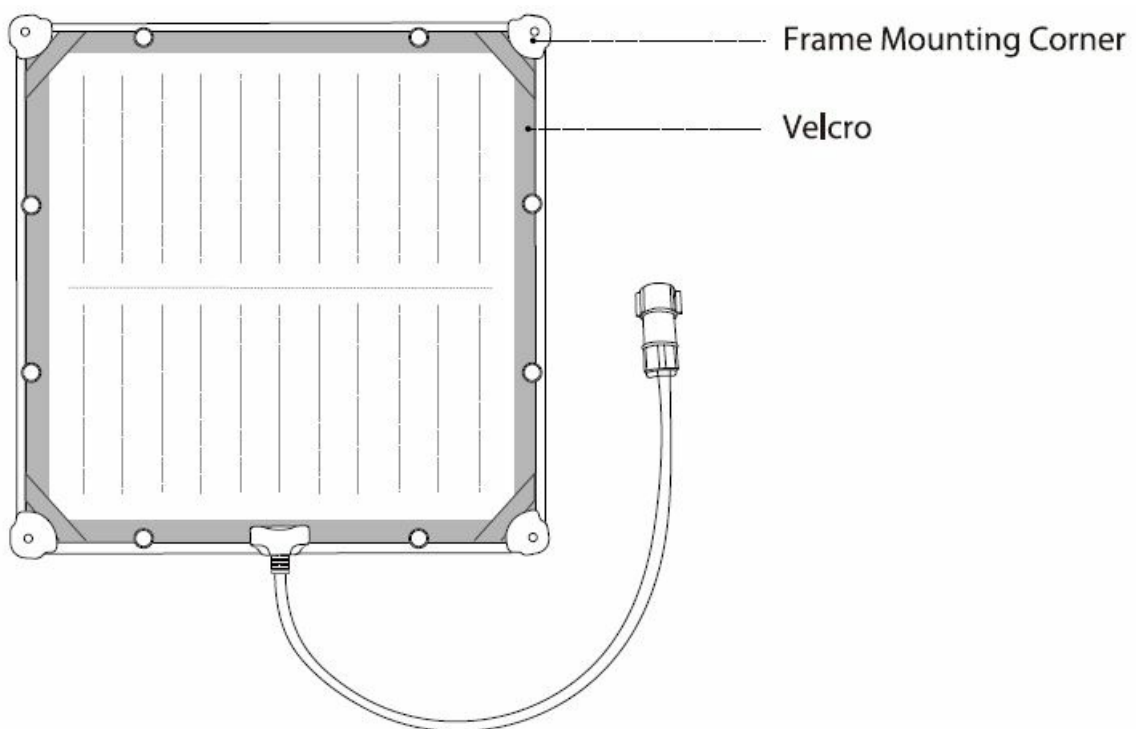
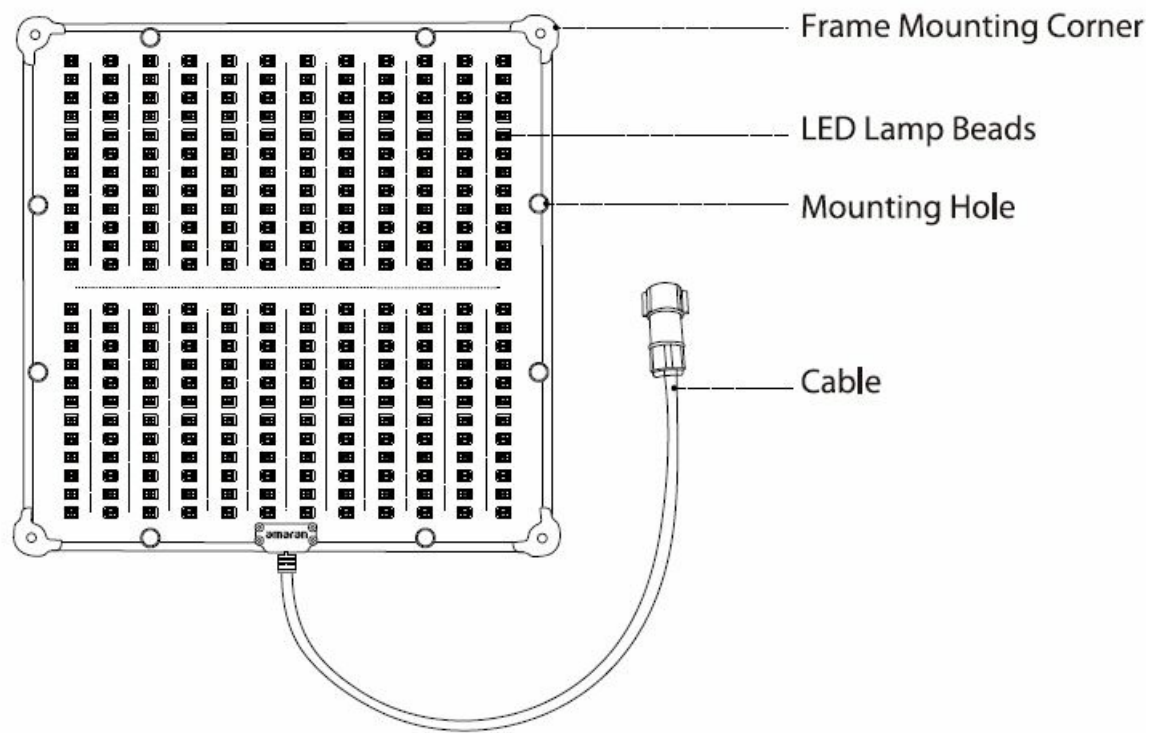
45°Grid (1 pc)

Fabric Diffusion 1 (1 pc)
Fabric Diffusion 2 (1 pc)

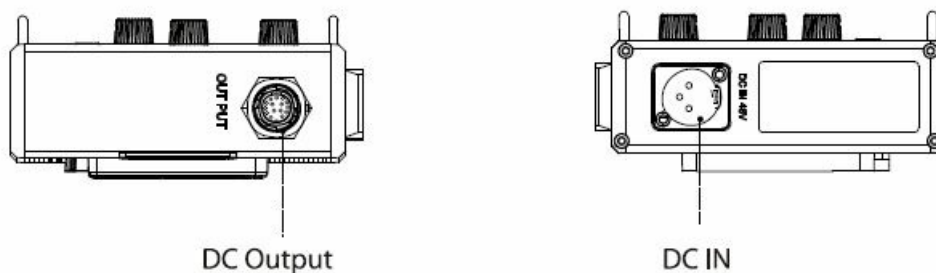
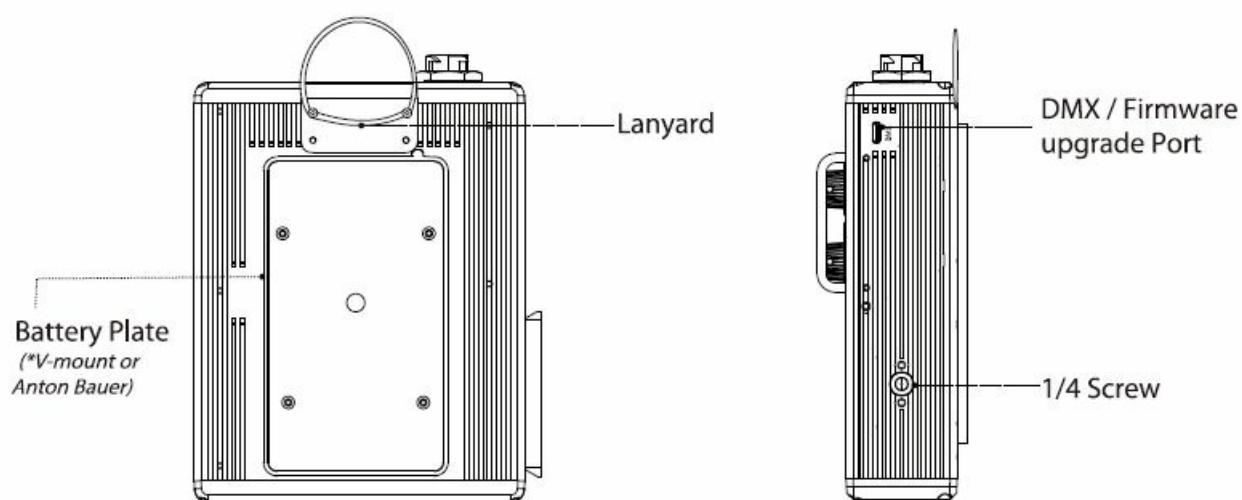
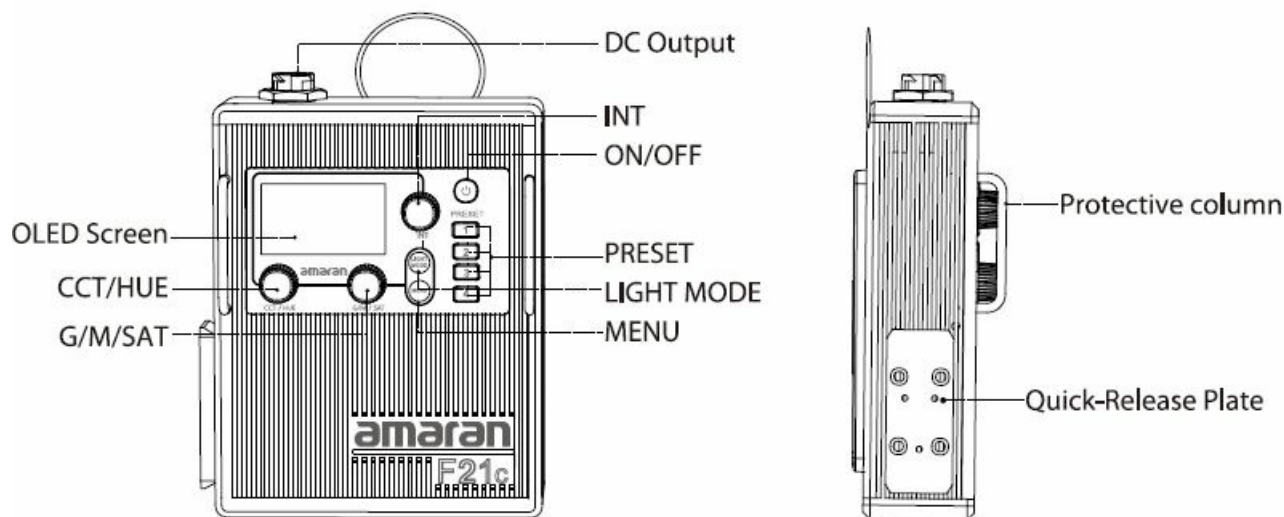
Carry Case (1 pc)

Tips: The illustrations in the manual are only diagrams for reference. Due to the continuous development of new versions of the product, if there are any differences between the product and the user manual diagrams, please refer to the product itself.

Lamp Head



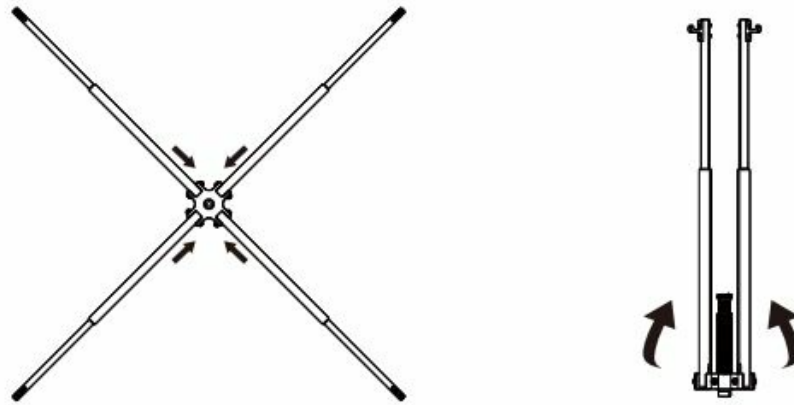
Control Box



Installation

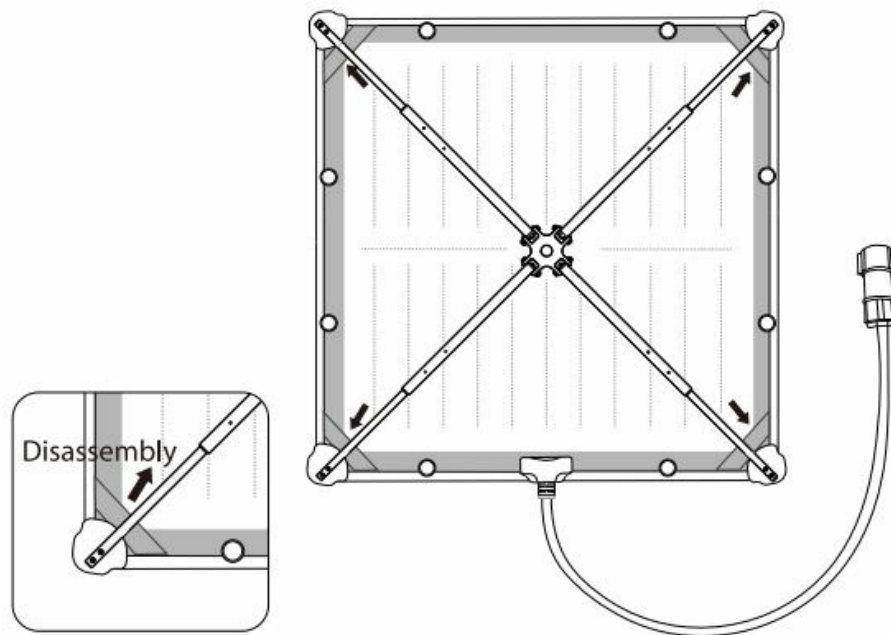
1. Assembly and disassembly of the X-shaped support frame:

1. **Installation:** Apply inward force to insert the support rods into the slots. Repeat the process for all support rods.
2. **Disassembly:** Pull the support rods outward to remove them from the slots. Repeat the process for all support rods. Use Velcro straps to secure and store the support rods.



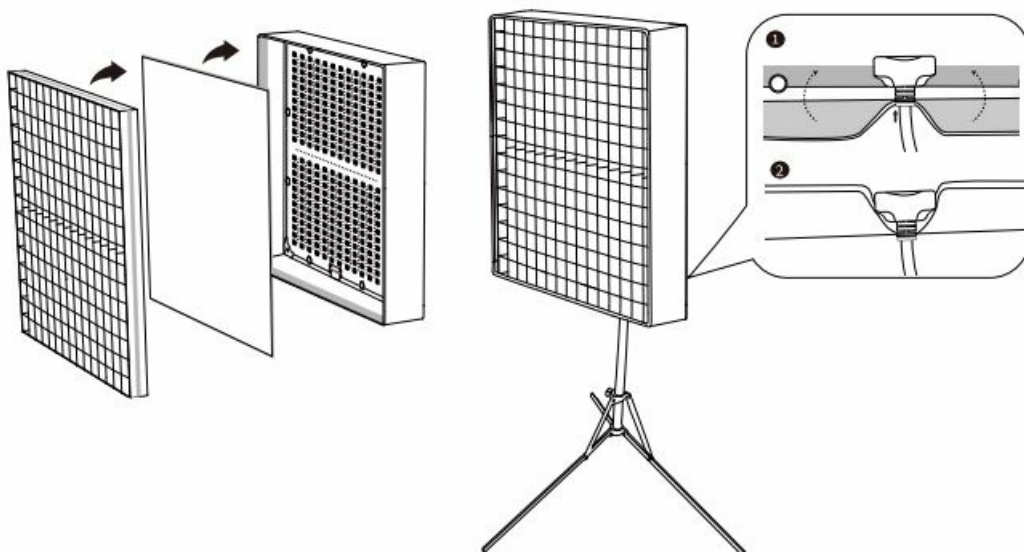
2. Assembly and disassembly of the lamp body and X-shaped frame:

1. **Installation:** Place each of the four support rods into the corner brackets of the lamp body, applying inward force.
2. **Disassembly:** Apply inward force to remove the support rods from the corner brackets.



3. **Installation of soft box.**

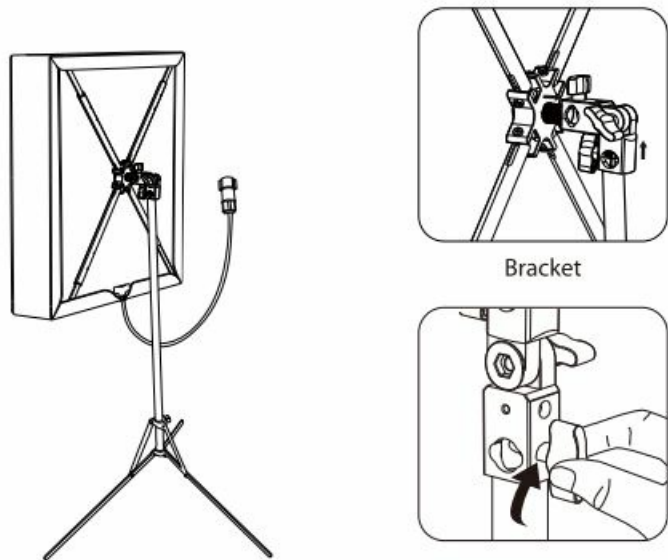
The side of the soft box with grooves corresponds to the side of the lamp body with the power cord. Then attach the velcro of the lamp body and the soft box in turn and then install the fabric diffusion and grid.



1. Light stand is not standard.

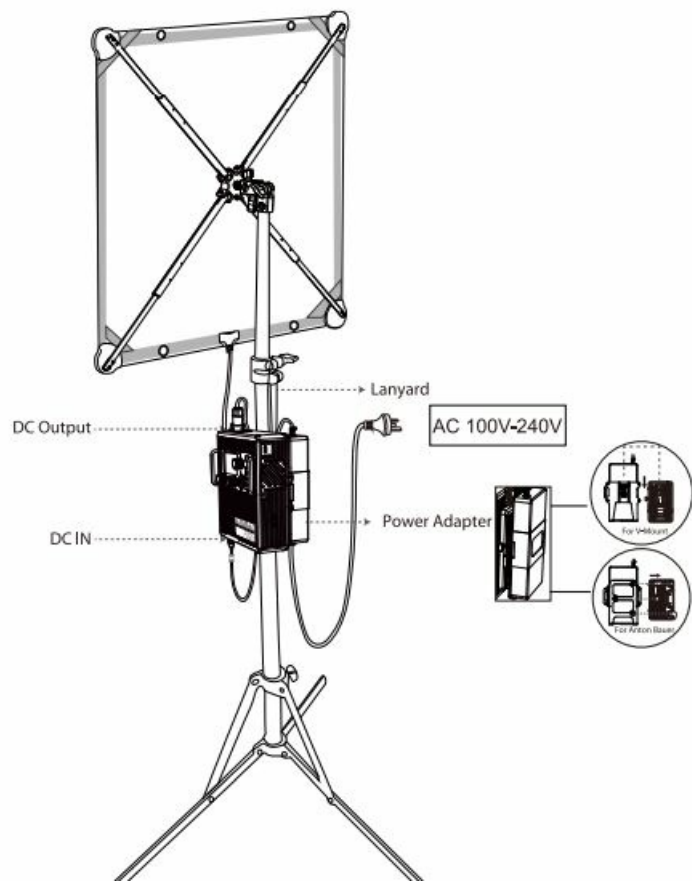
4. **Fasten the lamp body.**

Adjust the lamp body to a suitable height, rotate the tightening handle to fix the lamp body on the tripod, and then adjust the lamp body to the required angle, Then tighten the locking handle.

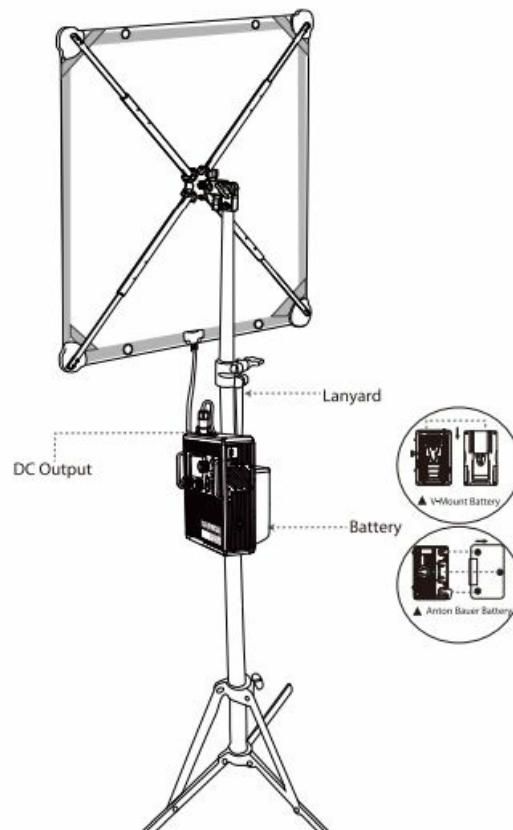


Powering up the Light

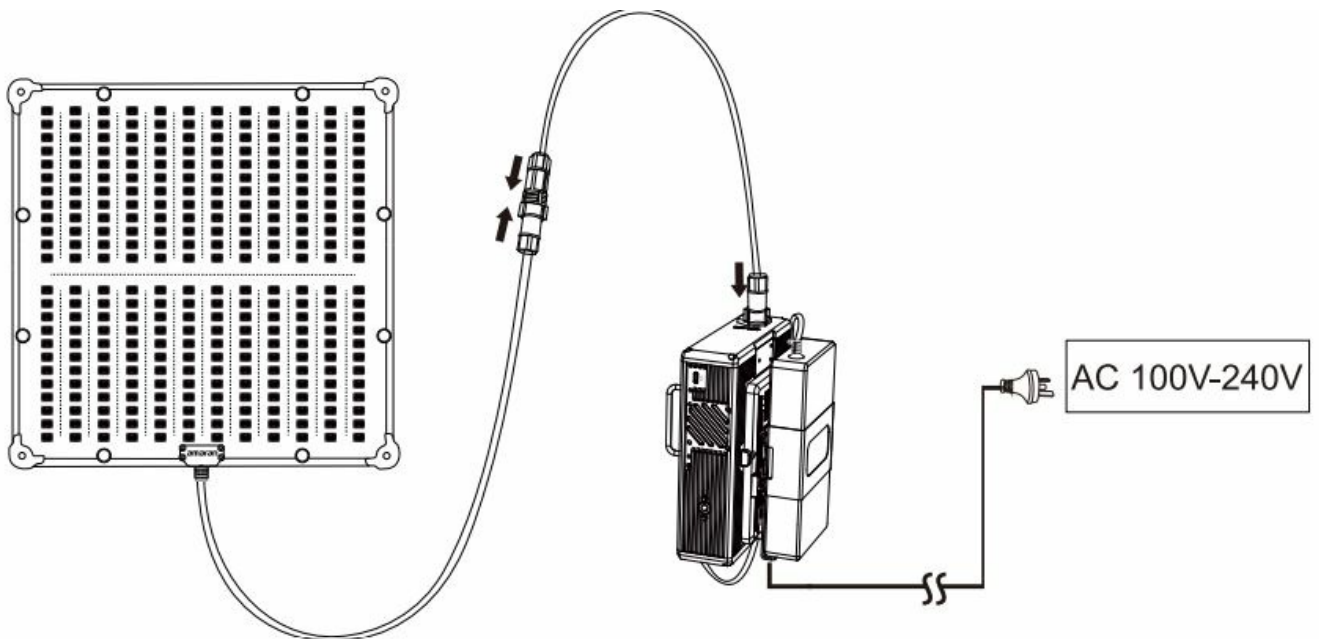
Powered by AC



Powered by DC



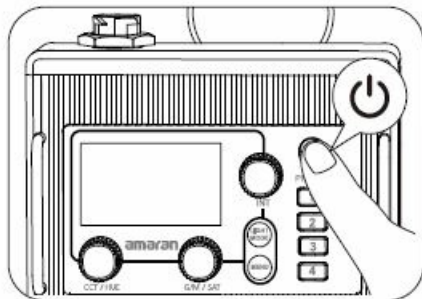
How to use the extension cord



- The battery is not standard.
- When removing the wire, because of self-locking device at the wire connection, please press or rotate the spring lock on the connector before pulling it out. Do not pull it out forcibly.
- Extension cable, control box and lamp body need to correspond, and different models cannot be mixed

Operations

Turning on the Light



INT	50 %	>2h
CCT	G/M	
5600 K	0.0	

Manual Control

Press the Light Mode button to enter the interface

GEL
CCT
HSI

Press the INT knob, select CCT mode to adjust color temperature (2500K~7500K), brightness (0%~100%) and G/M(-1.0~+ 1.0)

INT	50 %	>2h
CCT	G/M	
5600 K	0.0	

Press the INT knob and select the HSI mode to adjust the hue, saturation and brightness.

INT	50 %	>2h
HUE	SAT	
360 °	100 %	

Press the INT button to select FX mode, then rotate the INT control knob to toggle between Club Lights , Paparazzi , Lightning , TV, Candle, Fire, Strobe, Explosion, Fault Bulb, Pulsing , Welding , Cop Car, Color Chase , Party Lights, Fireworks.

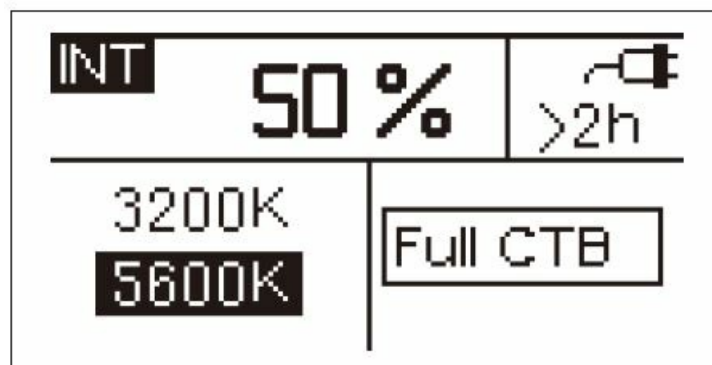


- Under Lightning and Explosion effects, press the INT knob, will trigger the effects; under other effects press the INT knob to circulate or stop the effects.

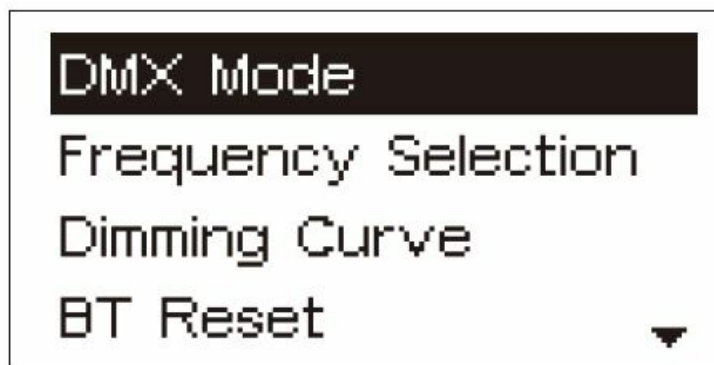
Press the INT knob, after selecting the CFX mode, Rotate the INT knob to select the Picker FX, Music FX, and Touch Bar FX.



Press the INT knob to select GEL mode, rotate the INT knob to adjust the brightness, rotate the CCT/HUE knob to select 3200K/5600K, rotate G/M/SAT knob to select GEL.

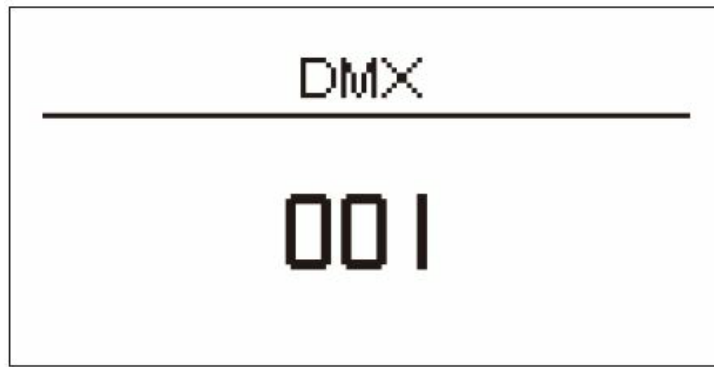


Press the MENU button to enter MENU, as shown in the figure below.



DMX Mode

Press the INT knob to enter the DMX mode, and rotate the INT knob to adjust the DMX channel (001-512).



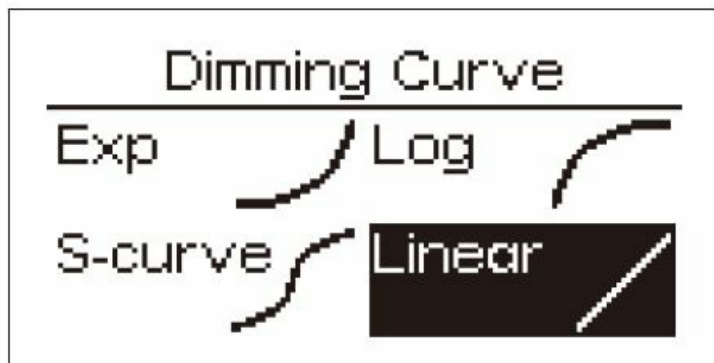
Frequency Selection

Press the INT knob to enter the Frequency Selection, Rotate the INT knob to select the frequency (+0-2000Hz).



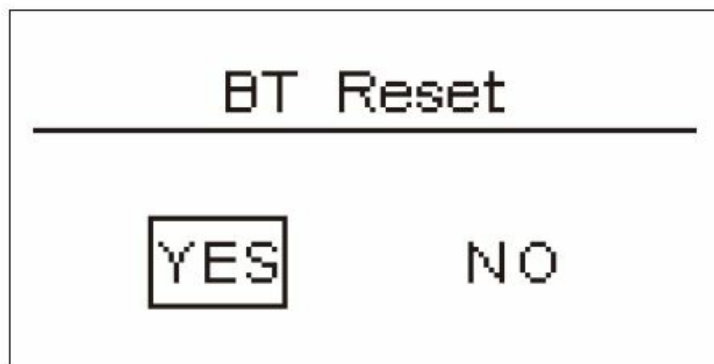
Dimming Curve

Press the INT knob to enter the dimming curve menu, rotate the INT knob to select "Exp; Log; S-curve; Linear" Dimming curve, then press the INT knob to confirm the selection.



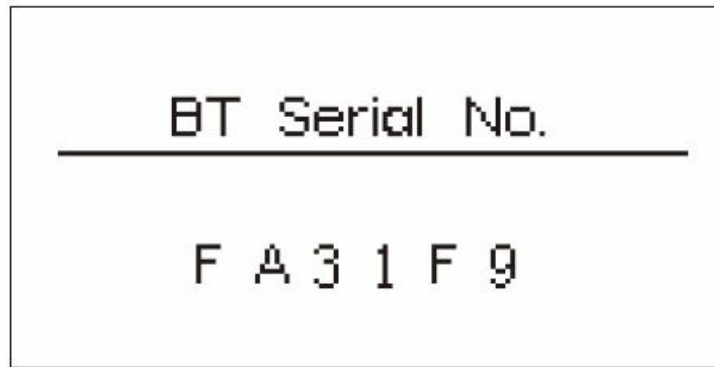
BT Reset

Press the INT knob to enter the BT Reset, rotate the INT knob to select "Yes", press the INT knob to reset the Bluetooth; select "No" to return to the main menu.



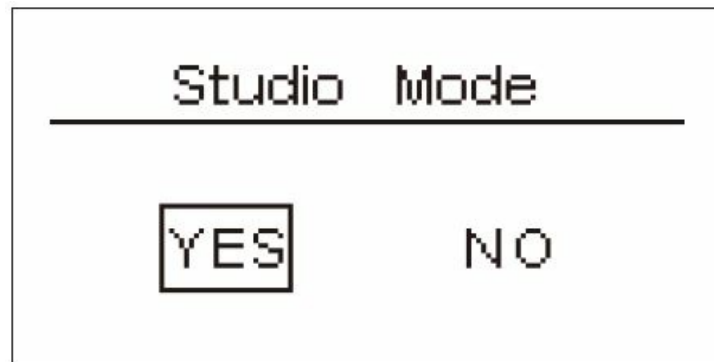
BT Serial NO.

Rotate the INT knob to select the BT serial NO, press the INT knob to enter the BT serial NO. interface to display the Bluetooth serial number



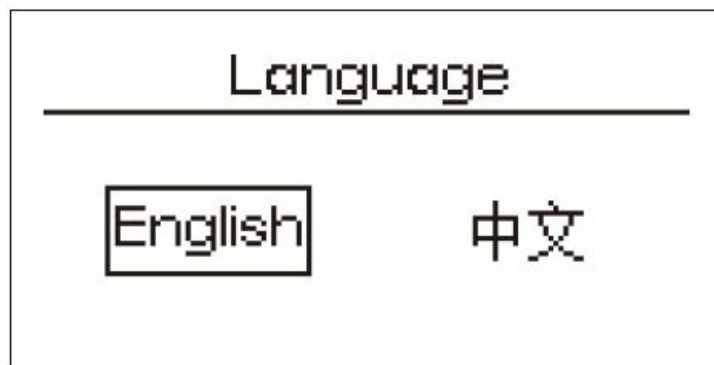
Studio Mode

Rotate the INT knob to select the studio mode, press the INT knob to enter the studio mode interface, rotate the INT knob to select "Yes" or "No", and then short press the INT knob to confirm.



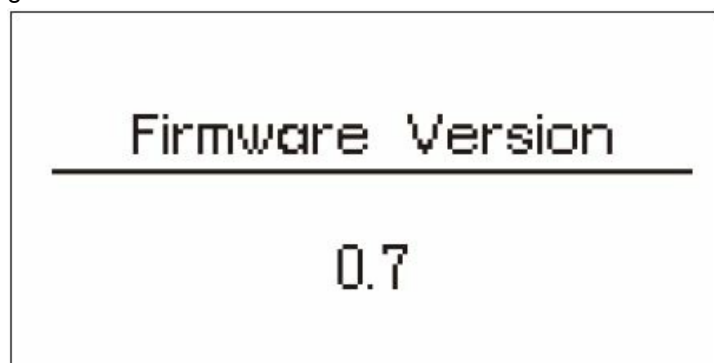
Language

Rotate the INT knob to select the language menu, press the INT knob to enter the language setting interface, rotate the INT knob to select "English" or "Chinese", and then press the INT knob to confirm.



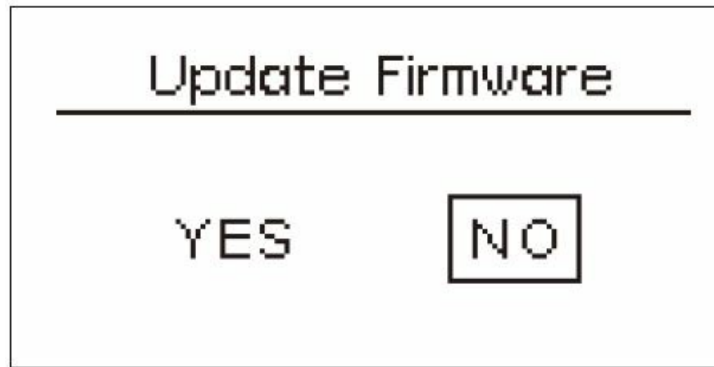
Firmware Version

Rotate the INT knob to select the Firmware Version, press the INT knob to enter the firmware version interface, short press the INT knob again to return to the main menu.



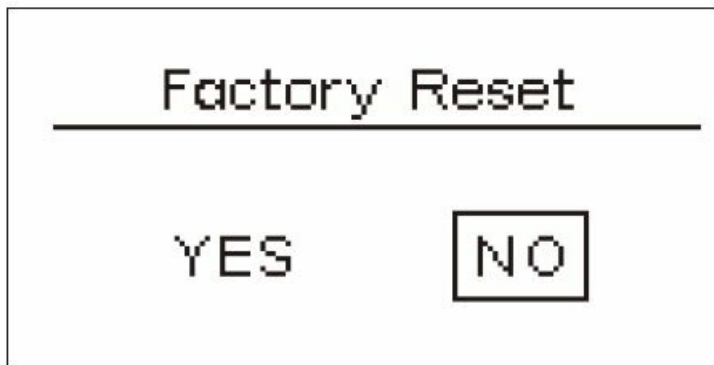
Update Firmware

Rotate the INT knob to select Update Firmware, short press the INT knob to enter the firmware upgrade interface, rotate the INT knob to select “Yes” or “No”, and then press the INT knob to confirm.



Factory Reset

Rotate the INT knob to select Factory Reset, press the INT knob to enter the Factory Reset interface, rotate the INT knob to select “Yes” or “No”, and then press the INT knob to confirm.



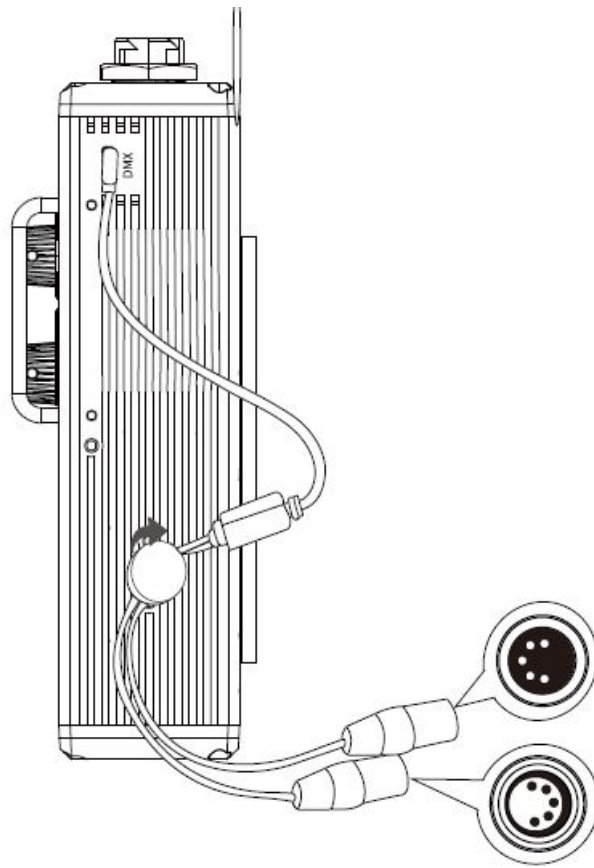
Fixture Presets

There are 4 preset buttons located on the bottom row of the control box. Once you have set your light to the desired output, long press and hold one of the four buttons

(1, 2, 3, or 4) to start the Save Preset procedure. Use the INT control wheel to select “YES” or “NO”. You can use those preset buttons in any Lighting Mode and it will activate the mode and settings you previously saved to that preset. You can save a nearly infinite number of presets using the Sidus Link mobile app.

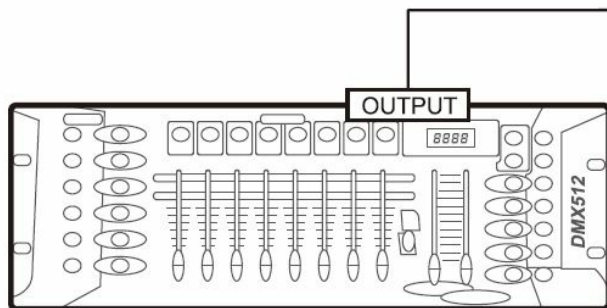
DMX Control

Connecting Type-c to DMX adapter to controller

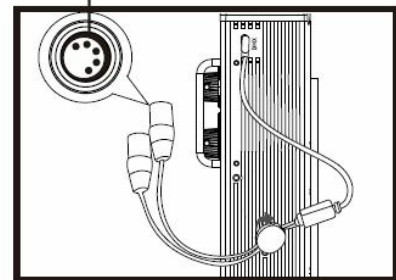


- Type-c to OMX adapter is not standard.

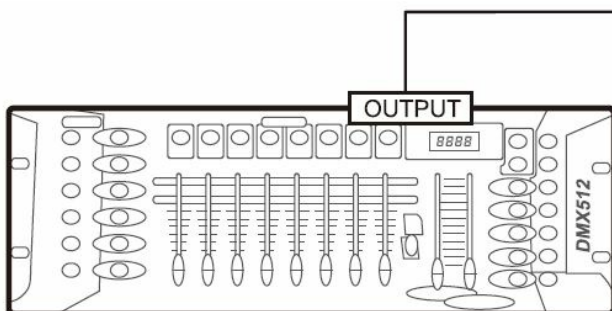
Connect a standard DMX controller



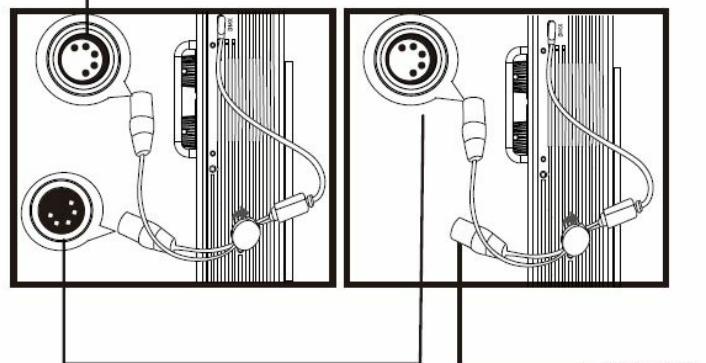
DMX512



Connecting DMX to only one light

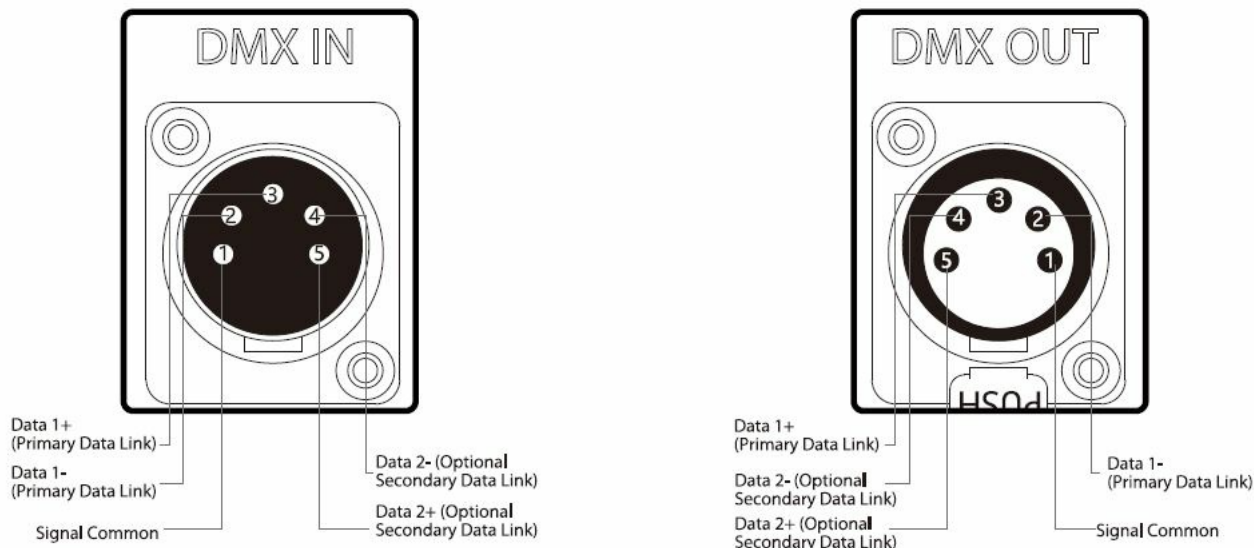


DMX512



Daisy chaining multiple lights using DMX

The DMX interface schematic:



DMX Channel Selection

In DMX mode, match the channel of your DMX controller with the light, and then control the light via DMX controller.

Using the Sidus Link APP

You can download the Sidus Link app from the iOS App Store or Google Play Store for enhancing the functionality of the light. Please visit sidus.link/app/help for more details regarding how to use the app to control your Aputure lights.



Get Sidus Link® App



[Sidus.link/app/help](https://sidus.link/app/help)

Specifications

CCT	2S00K~7500K	CRI	> -95
TLCI	>97	Power Output	200W (Max)
Power Input	240W (Max)	Operating Current	SA (Max)
Power Supply	48V	Operating Temperature	– 10°c ~ 40°(
Voltage	V-Mount battery	12~28.SV	
	V-mount battery compatibility	16.SVbattery half output; 26V,28.8V battery full output.	
	Poweradapter output	48V	
Controlling method	Manual, Sidus Link APP, DMX		
remote control distance (bluetooth)	<80m/262.sft, 2.4G Hz		
Display	OLED		
Cooling Mode	Light fixture	Natural heat dissipation	
	Controller	Active cooling	

Photometrics

CCT	Distance (m) Illuminance (lux)	O.Sm	lm	3m	Sm
2500K	Bare Bulb	18040	5500	672	251
	Softbox (1/2 stop)	11260	3780	505	171
3200K	Bare Bulb	18760	5750	703	263
	Softbox (1/2 stop)	11900	4030	534	180
4300K	Bare Bulb	19720	5930	736	273
	Softbox (1/2 stop)	12470	4300	564	188
5600K	Bare Bulb	21260	6420	790	294
	Softbox (1/2 stop)	13400	4610	603	202
6500K	Bare Bulb	22250	6770	823	309
	Softbox (1/2 stop)	13860	4840	630	212
7500K	Bare Bulb	23250	7080	870	320
	Softbox (1/2 stop)	14610	4980	661	224

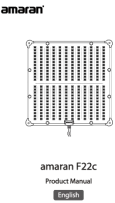
- These are average data measured in the laboratory, there will be slight differences in the brightness, color temperature and other parameters of different lights.

Trademarks

- Bowens is a trademark registered by Bowens in China and other countries.

You can find a detailed user guide for this device on our website www.aputure.com.

Documents / Resources

	<p>amaran F22c LED Light Mat [pdf] User Manual F22c, F22c LED Light Mat, LED Light Mat, Light Mat, Mat</p>
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