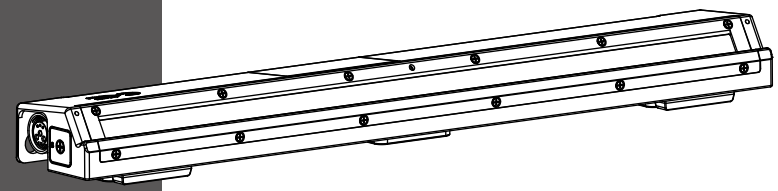
Footslim M



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www.ckclighting.com

Before carrying out any installation, maintenance, or cleaning of the lighting fixtures, please confirm that the power has been cut off! Before using this fixture, please read this manual. Our company reserves the right to change product design and specifications without prior notice.

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Appendix 15

★ Statement ★

- This manual contains important information on safe use and installation. Please read it carefully and follow the requirements for operation and installation. Please keep this manual properly;
- The equipment has good performance and complete packaging when it leaves the factory. The operator should strictly follow the warning items and operating instructions stated in the manual. Any malfunction or damage caused by misuse or neglect of the manual is not within the scope of our company's responsibility and warranty;
- The relevant information in this manual is for reference only. All lighting products are subject to the actual product. Any changes will not be notified separately, and our company reserves the right of final interpretation.

1. Security Warning Information

Attention !

Please read the safety requirements information in this section carefully before installing, powering on, operating, or repairing the lighting fixtures.

- This product is for professional use and is not suitable for other purposes;
- After receiving the lighting fixtures, please check if the packaging is complete and unpack to check if the equipment has been damaged due to transportation. If there is any damage caused by transportation, please do not use this lamp and contact local technicians or manufacturers as soon as possible;
- When transporting again, please use the original packaging materials;
- If there is obvious damage to the machine casing, it should be replaced in a timely manner;
- When hanging lamps, it is necessary to verify that the hanging equipment can withstand more than 6 times the weight of the lamp. After installation, it is necessary to verify that the lamp cover and installation buckle are secure and undamaged. At the same time, a safety rope should be used as an auxiliary safety for the lamp and fixed on the truss;
- The light source inside this luminaire should be replaced by the manufacturer, its service agent, or a similarly qualified person;
- If you have any other questions about how to safely operate the equipment, please contact our technical personnel or call our service hotline;
- This product has a protection level of IP66 and Suitable for indoor use or short-term outdoor use
- Avoid direct external strong light shining on the lens, which may cause the lens to focus and burn out internal components.

- Lighting fixtures should be kept clean and avoid prolonged use in overheated or dusty environments to prevent contact with chemical liquids;
- When using the product, attention should be paid to avoiding serious or fatal injuries caused by fire, heat, electrical shock, and ultraviolet radiation. Before powering on or installing, read the instruction manual first. Follow the safety precautions for operation and pay attention to the warning signs on the instructions and equipment;
- Only professionals are allowed to install, operate, and maintain lighting fixtures, and strictly follow the procedures stated in the operating instructions.

- The eyes cannot directly look at the luminous object;
- Do not connect this device to any dimmer;
- If visible damage occurs to the protective casing, lens, and display screen on the lighting fixture, it is considered as damage to the point of loss;
- Please do not place any filters or other items at the light outlet, and do not replace non original parts;
- The minimum safe illumination distance of the lamp is 1m.

- Before installation, please confirm that the power supply voltage used matches the voltage indicated on the light fixture. Each lighting fixture should be properly grounded and electrically installed according to relevant standards;
- Please disconnect the power before repairing or cleaning the equipment;
- During the operation of the lighting fixtures, touching the wires is prohibited to prevent electric shock;
- If the external soft cable or wire of this lamp is damaged, the wire should be replaced by the manufacturer, its agent, or a similarly qualified person to avoid danger;
- Avoid flammable liquids, water, or metal conductors from entering the interior of the lamp to prevent electric shock or fire. If any foreign objects enter the lamp, immediately cut off the power supply;
- When multiple lamps are operated in series, the signal lines can be connected in multiple ways, but the power supply must be connected separately.

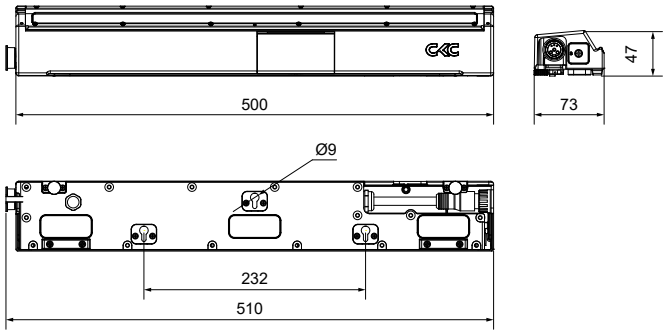
- The lighting fixtures work normally at -40 ℃ to 45 ℃ . When replacing any components or accessories in the equipment, ensure that the power is disconnected to prevent electric shock and injury;
- The maximum surface temperature of the lamp during operation can reach 65 ℃ , please do not touch it with bare hands.

- The lighting fixtures must be installed in a sufficiently ventilated area, at least 0.5m away from adjacent surfaces, to ensure that no ventilation holes are blocked;
- Do not install the lighting fixtures directly on flammable objects;
- The minimum distance between all outer surfaces of the lamp and combustible materials is 0.5m.

2. Product Introduction

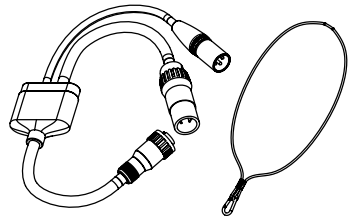
2.1 Exterior dimensions of lighting fixtures

1000 × 73 × 47 mm



2.2 Packaging accessories

Name	QTY	Note
Safety cable	1 PCS	
Integrated power signal cable	1 PCS	Flight case version(20in1)
	1 PCS	Carton version(4in1)



3. Main technical parameters of the equipment

Product execution standards：GB43472-2023、GB/T7000.1-2023、GB/T7000.217-2023

● Electrical parameter

Rated input voltage：AC 100V-240V~ 50Hz/60Hz
Power：43W@220V；45W@100V
Power factor：0.85@220V
Input Current：0.25A@220V

● Source lifespan

> 20000 hours

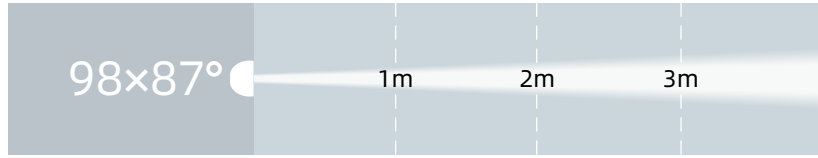
● Optical system

Source：120×0.3W RGBLA LED
Output luminous flux：1500 Lm
Beam angel：X/56° Y/52°
Field angle：X/98° Y/87°
CCT：2000~10000K
CRI: Ra/95 R9/95

● Control and programming

Control channel：CCT 8CH、Standard 14CH、RGB 12CH、CMY 12CH、Xy 13CH、Cell 19CH
Protocol：DMX512, RDM
Data connect：6-pin power signal integrated input/output

● Illumination draw



	1m	2m	3m
Lux	804	176	77
Diameter (m)	2.30	4.60	6.90

● Other effect function

Fast electronic strobe：1~25Hz
LED refresh rate：900Hz~25KHz
Dimming Curve：4

● Other features and functions

Weight：1.8 KG

4. Packaging and transportation

4.1 Disassemble packaging

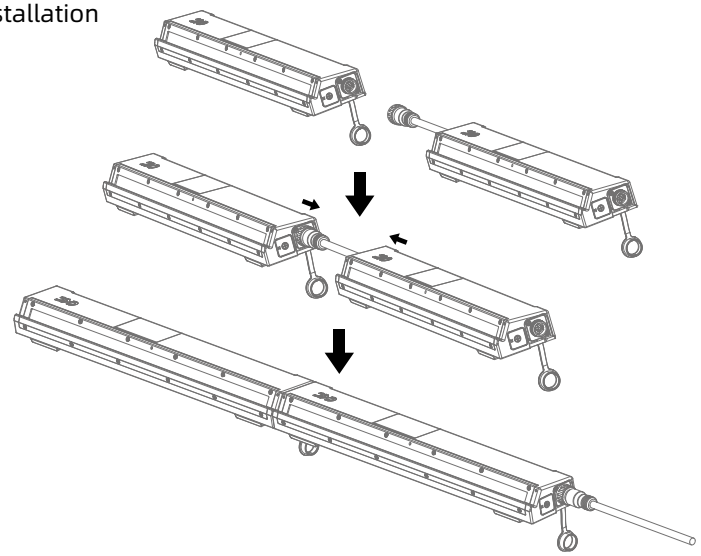
Notice：After receiving the fixture, please unpack and check for any damage caused by transportation. If there is any damage caused by transportation, please do not use this fixture and contact the local technical personnel or manufacturer as soon as possible.

4.2 Equipment packaging

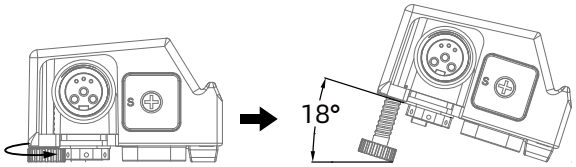
1). Disconnect the power supply before packaging the lighting fixtures to allow them to cool completely;
2). Flight cases can only be stacked in two layers and are not allowed to be reversed.

5. Installation Requirements Explanation

Splice installation



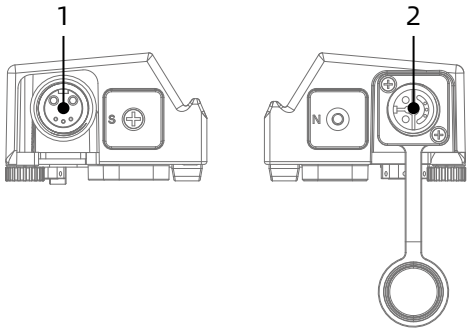
The height can be adjusted by adjusting the screw



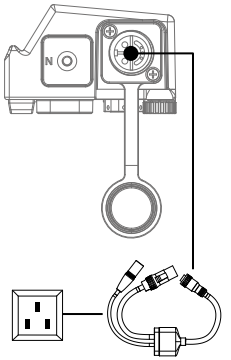
6. Power、Signal connect

6.1 Power and signal socket

1. 6-pin power signal integrated output
2. 6-pin power signal integrated input



6.2 Power connect



Connection method:

L(live wire) - brown wire

E(Ground wire) - yellow/green dual color line

N(Zero Line) - Blue Line

When connecting the power supply, please note that the voltage and frequency of the power supply must match the voltage and frequency marked on the light fixture. When multiple fixtures are used simultaneously, it is recommended to connect the power supply of each fixture separately, so that each fixture can be individually controlled for power on/off.

Attention: When connecting the power supply, the ground wire (yellow/green dual color wire) must be safely grounded and comply with all relevant electrical installation standards.



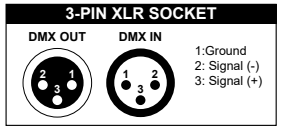
Power In

This product uses Powercon In/Out to connect power cords. Due to power limitations, a 2 square meter power cord can carry up to 37 products at 240V and 20 product at 100V.

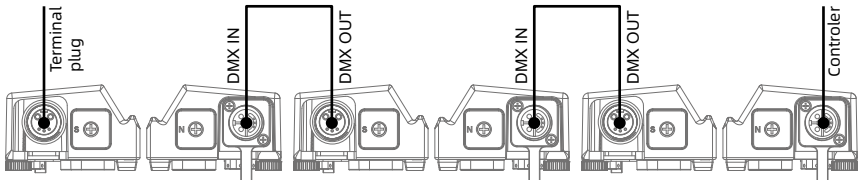
Waining !

- Do not connect too many fixtures or overload a single power cord;
- Do not use power cords with damaged insulation layers, and do not place power cords on other wires;
- When the fixture is not in use or cleaned, please unplug the power cord; Do not forcefully unplug or drag the power cord directly.

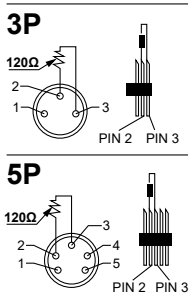
6.3 Signal connect



Fixture comes standard with a specially designed 6-pin power signal integrated input/output cable, equipped with a standard DMX 3-core input socket. Please use a DMX512 shielded twisted pair signal cable for connection. The typical connection distance for DMX signal lines is 150 meters. When long-distance signal transmission is required, a DMX512 signal amplifier must be added.

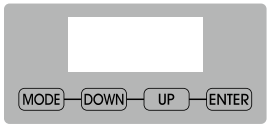


Connect a shielded twisted pair signal cable from the DMX output port of the controller to the DMX input port of the first device, and from the DMX output port of the first device to the DMX input port of the second device, and so on, until all the lamps are connected. Then install a terminal plug on the last 3 or 5 pin socket of each connected lamp output. (Weld a 4/1W, 120 Ω resistor between the 2 and 3 pins of a 3 or 5 core pin XLR plug).



7. Control panel

7.1 Panel Introduction



- Adopting a OLED display screen;
- Press the MODE key to view or modify the lighting function settings, and press the UP, DOWN, LEFT, and RIGHT keys to select the function menu;
- Press the ENTER key to confirm your selected function menu, which will take you to the corresponding sub menu in the menu. Each menu item represents a specific function of the lighting fixture (as shown in the table below);
- Press the ENTER key to save your modifications or enter a submenu, and press the UP or DOWN key to modify values (increase or decrease values); Press the MODE key to return to the previous menu or exit.
- Press the MODE key to return to the previous menu or exit.

7.2、System menu

Note: The gray color block is the default setting value

	Update Wait... CKC Footslim M SOFTWARE V1.01	
Menu Option	**Level 1**	**Level 2**
	DMX Address	001 - 505
	DMX Mode	8CH CCT
		14CH Standard
		12CH RGB
		12CH CMY
		13CH xy
		19CH Cell
	No DMX Status	Hold Last
		Fade to Black
		Standalone
Control	Manual Control	Dimmer 0-255
		Strobe 0-255
		Red 0-255
		Green 0-255
		Blue 0-255
		Amber 0-255
		Lime 0-255
		CCT 2000K-10000K(Default = 6000K)
		Cross Fade 0-255
		TINT -127/0/+127
	Master	On / Off
	Slave	On / Off
Settings	Dim Modes	Standard
		Stage
		TV
		Architectural
		Theatre
	Dim Curves	Linear
		Square
		Inverse Square
		S-Curve
	Zone Flip	ON
		OFF
	LED Refresh Rate	1200Hz,3600Hz,5000Hz,10KHz,15KHz, 20KHz, 25KHz (Default = 1200 Hz)
	Color Tuning	Highest Fidelity
		Highest Output
	LED Power Limit	50%
		60%
		70%
		80%
		90%
		100%
	Display	Screen Delay 10s - 5min (Default = 1 min)
		Screen Lock Off/ON/ON1
		Rotate Display Yes / No / Auto
	Reset Defaults	Yes / No
	Time	Current Run Time 00000Hours
		Total Run Time 00000Hours

Information		Last Run Time 00000Hours
	Temperature	Current XXX °F /XXX℃
		Max Resettable XXX °F /XXX℃
	Humidity	Humidity XXX%
	DMX Values	Red
		Green
		...
	Product IDs	RDM UID 062B 036C xxxx
	Error Logs	Fixture Errors
	Firmware Version	1U:V1.01 2U:V1.01
Service (Passcode = 050)	Calibration	All Red 000 - 255
		All Green 000 - 255
		All Blue 000 - 255
		All Amber 000 - 255
		All Lime 000 - 255
		Red1 000 - 255
		Green1 000 - 255
		Blue1 000 - 255
		.....
	Reset Last Run	Yes / No
	Reset Error Logs	Yes / No

8. DMX channel table:

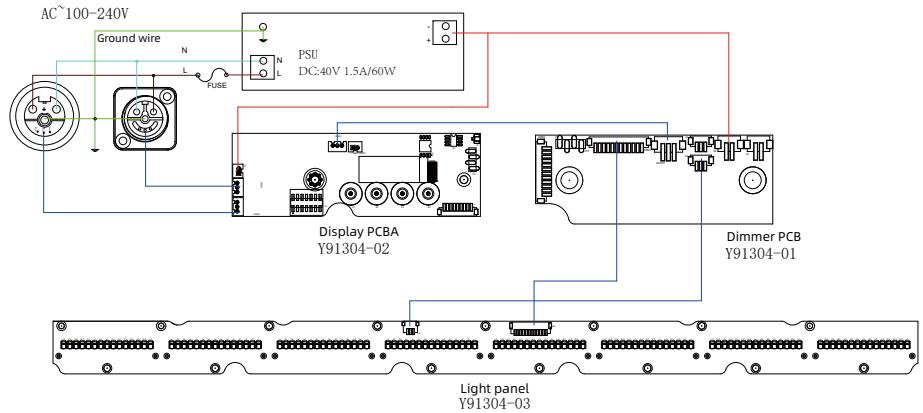
8	14	12-1	12-2	13	19	Value Range	Function
1	1	1	1	1	1	0-255	Dimmer
							Intensity 0 → 100%
2	2	2	2	2	2	0-255	DimmerFine
							Intensity 0 → 100%
3	3	3	3	3	3		Strobe Mode
						0-31	Close
						32-63	Open
						64-95	All Strobe：slow->fast
						96-127	Open
						128-159	All Pulse Strobe：slow->fast
						160-191	Open
						192-223	Random
						224-255	Open
	4	4			4	0-255	Red
	5	5			5	0-255	Green
	6	6			6	0-255	Blue
	7				7	0-255	Amber
	8				8	0-255	Lime
					9	0-255	Red2
					10	0-255	Green2
					11	0-255	Blue2
					12	0-255	Amber2
					13	0-255	Lime2
			4				Cyan
			5				Magenta
			6				Yellow
				4		0-255	X
				5		0-255	X Fine
				6		0-255	Y
				7		0-255	Y Fine
4	9	7	7	8	14		CCT
						0-19	Idle
						20-100	2000K-10000K
						100-255	10000K
5	10	8	8	9	15	0-255	Cross Fade
6	11	9	9	10	16		Tint
						0	Idle
						1-127	Full Minus Green to Neutral
						128	Neutral White
						129-255	Neutral to Full Plus Green
	12	10	10	11	17	0-255	Color Macro
7	13	11	11	12	18		Dim Modes
						0-20	Default to Unit Setting
						21-40	Standard
						41-60	Stage
						61-80	TV
						81-100	Architectural
						101-120	Theatre
						121-255	Default to Unit Setting
8	14	12	12	13	19		Control
						0-10	Idle
						11-15	Linear
						16-20	Square(Default)
						21-25	Inverse Square
						26-30	S-Curve
						31-35	Led Freq. 1200 Hz (hold 3s)
						36-40	Led Freq. 3600 Hz (hold 3s)
						41-45	Led Freq. 5000 Hz (hold 3s)
						46-50	Led Freq. 10.000 Hz (hold 3s)
						51-55	Led Freq. 15.000 Hz (hold 3s)
						56-60	Led Freq. 20.000 Hz (hold 3s)

61-65	Led Freq. 25.000 Hz (hold 3s)
66-70	Highest Fidelity (Default)
71-75	Highest Output
76-85	Idle
86-90	DTW ON
91-95	DTW OFF
96-100	Zone Flip ON
101-105	Zone Flip OFF
106-255	Idle

Virtual Colors

Value	Filter Number	Name	Value	Filter Number	Name
1	7	pale yellow	36	132	medium blue
2	103	straw	37	120	deep blue
3	151	gold tint	38	165	daylight blue
4	100	spring yellow	39	161	slate blue
5	10	medium yellow	40	118	light blue
6	101	yellow	41	68	sky blue
7	104	deep amber	42	143	pale navy blue
8	15	deep straw	43	131	marine blue
9	179	loving amber	44	115	peacock blue
10	21	gold amber	45	172	lagoon blue
11	105	orange	46	116	medium blue green
12	158	deep orange	47	90	dark yellow green
13	22	dark amber	48	139	primary green
14	778	millenium gold	49	122	fern green
15	135	deep golden amber	50	89	moss green
16	24	scarlet	51	124	dark green
17	106	primary red	52	88	lime green
18	26	bright red	53	138	pale green
19	27	medium red	54	203	Quarter CT Blue
20	19	fire	55	202	Half CT Blue
21	157	pink	56	201	FULL CT Blue
22	36	medium pink	57	200	double CT Blue
23	111	dark pink	58	206	Quarter CT Orange
24	128	bright pink	59	205	Half CT Orange
25	148	bright rose	60	204	FULL CT Orange
26	332	special rose pink	61-179		No function
27	793	vanity fair	180-201	Clockwise Fast → Slow	Forward rotation, fast to slow
28	113	magenta	202-207	Stop	Stop
29	46	dark magenta	208-229	Counter-clockwise Slow → Fast	Reverse, slow to fast
30	48	rose purple	230-234	Open	Open
31	126	mauve	235-239	Fast	Random color, fast (master-slave synchronization, console asynchronous)
32	49	medium purple	240-244	Medium	Random color, medium (master-slave synchronization, console asynchronous)
33	58	lavender	245-249	Slow	Random color slow speed (master-slave synchronization, console asynchronous)
34	199	palace blue	250-255	Open	Open
35	119	dark blue			

9. Control circuit diagram



10. Regular maintenance

10.1 Cleaning and maintenance

Lighting fixtures require daily cleaning and maintenance, and their service life largely depends on the operating environment and standards. If you have any questions, please consult our technical engineers for advice. Maintenance and repair work not included in this book should be entrusted to our qualified technical engineers.

Attention! Damage caused by dust, e-liquid, or other reasons, as well as abnormal use, is not covered by the warranty.

Waining !

Before opening any lid, disconnect the power supply. Cleaning optical components requires gentle wiping as the coating surface is prone to scratching. Do not use damaging liquids or hard objects , as they may damage the plastic or coating surface.

- When the lens is cracked or otherwise damaged, it should be replaced in a timely manner;
- When the brightness significantly decreases, the LED may have reached its expiration date and should be replaced in a timely manner;
- When the fixture cannot start, please check if the fixture power fuse is blown. If it is blown, a fuse of the same specification must be used for installation;
- The fixture is equipped with a temperature protection device. When the temperature is too high, the protection device will automatically reduce power.
- When this situation occurs, please check whether the fan is running normally, whether the fan and fan mesh are clogged with dust, identify the fault and repair it before starting the fixture. Please note that only qualified technicians are allowed to carry out maintenance work;
- To maintain smooth movement of the focusing lens, it is recommended to lubricate the guide rail of the focusing lens every three months. Excellent and high-temperature resistant lubricating grease should be used, and excessive grease should not be used as it can easily dirty adjacent components.

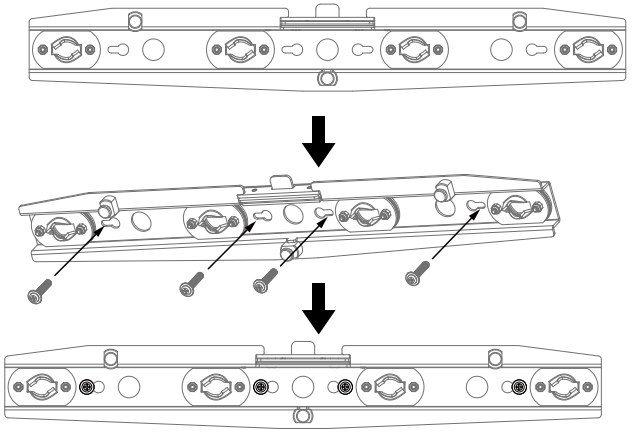
10.2 Fault analysis and handling

Fault description	Analysis	Processing method
No action after power on	Check if the power switch is turned on	Turn on
	Check if the fuse is blown	Replace
	Check if the output of PSU is normal	Detecting voltage
	Check if poor contact in the internal circuit	Reconnect
Uncontrolled lighting fixtures	Check if the DMX signal cable is connected correctly (If there is no signal, the display screen will flash)	Reconnect or replace
	Check if the address code is correct and if the DMX mode of the lighting fixture matches the settings	Reconfirm
	The main control PCB is damaged	Replace
Not bright	LED aging or damage	Replace
	Power PCB malfunction	Check/ Replace
	Loose or poor contact of the circuit	Reconnect
	PSU malfunction	Replace
Automatically turn off or dim the lights	LED aging	Replace
	The temperature control switch is damaged	Replace
Weak light efficiency and uneven light spot	LED aging	Replace
	The optical mirror has accumulated dust or stains	Clean
	The optical mirror is damaged	Replace
Impure color	Weakening of light efficiency	Replace led PCB
	The color filter has accumulated dust or stains	Clean
	The color filter has been demolded or damaged	Replace

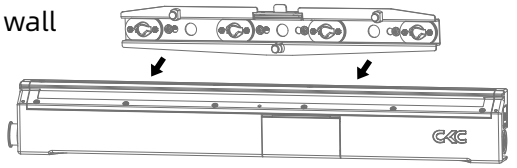
Attention! The above analysis is for abnormal reference only. Non professionals are not allowed to disassemble and repair the machine

Appendix (Installation of Optional Accessories)

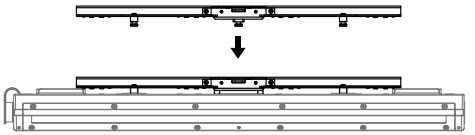
Hanging Bracket



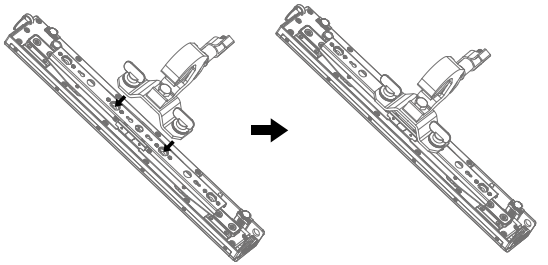
A. Installed on the wall



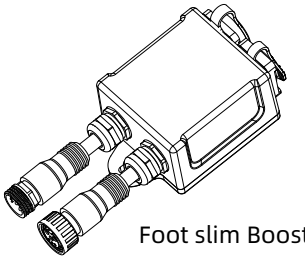
B. Installed on the ceiling



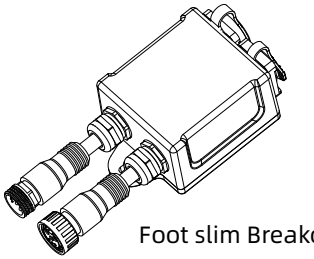
C. Used in conjunction with clamp hanging



Connectors



Foot slim Booster



Foot slim Breakout

