



Starlink10A

LH -S1040

This manual contains important information.
Please read before operating fixture.

Guangzhou Leahua Lighting Technology Ltd
[http:// www.leahualighting.com](http://www.leahualighting.com)

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Accessories

Name	Quantity	Remark
User manual	1pc	
Folding clamp	1set	
Power cable	1pc	
DMX signal cable	1pc	
Safety cord	1pc	Optional

1. Safety Instructions

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- Check before use

Before operation, inspect the fixture for transportation damage. Do not use it if damaged. Unauthorized modification or improper use is not covered by warranty.

- Environment

The fixture is IP65-rated, suitable for indoor/outdoor use, and can operate in humid or dusty areas. Keep it away from excessive heat, fire, vibration, electrical surges, and strong light.

- Personnel & operation

Installation and operation must be performed by qualified personnel. Ensure all covers are securely in place, wear protective gear, and do not open the housing or attempt self-maintenance.

- Optical safety

Do not look directly into the light source. Do not use with dimmer packs. Maintain a minimum distance of 20 m from illuminated surfaces, and replace damaged optical components immediately.

- Electrical safety

Ensure correct voltage, proper grounding, and compliant power cords. Do not use damaged cables, and unplug by holding the plug. Avoid operating under heavy rain or extreme humidity, and avoid frequent on/off switching.

- Installation

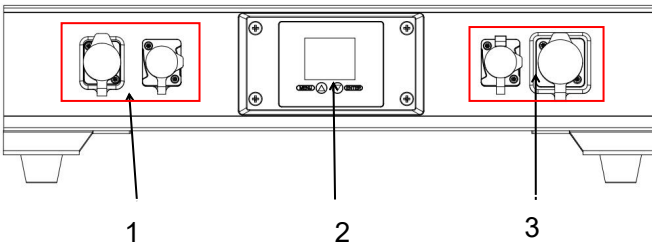
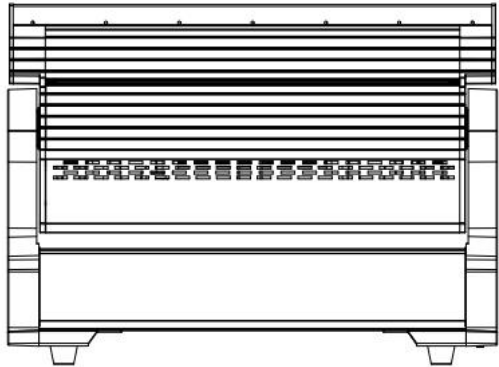
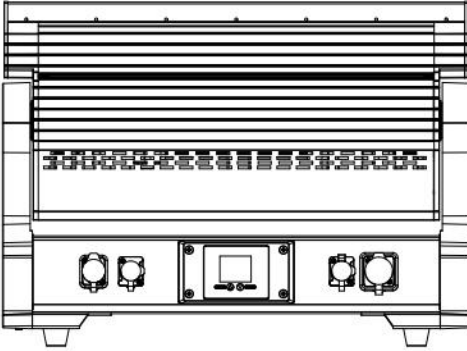
Use the safety cord through the provided safety holes. Keep at least 50 cm ventilation clearance and do not mount on flammable surfaces or aim the beam at combustible objects (minimum 20 m).

- Temperature & normal conditions

Housing temperature may reach 45 – 75° C during operation. Slight smoke or odor may occur at first ignition and is considered normal.

2. Appearance

Front side & back side



- Front panel
1. Power in / DMX in
 2. Display panel
 3. DMX out / Power in

3. Technical Specifications

Power

Input Voltage: 100-240 V, 50/60 Hz

Power Consumption: 350W

Light source

Light Source: 10 × 40W RGBW LED

LED Feature: Each LED individual control

Life Expectancy: About 50,000 hours (factory rated)

Zoom range

Zoom range: 3°-60°

Control

Control mode: DMX512, master-slave, auto, sound, RDM

Channel: NORM/COMP/HIRES/DPIX/DPIXH/SPIX/SPIXH
(33/ 19/ 34/ 28/ 29C/ 48/ 49CH)

Dimming/Strobe

Dimming: 0-100% linear dimming system

Strobe: 0-10 F.P.S, speed adjustable

Head movement

Tilt: 240°; 16 bit movement resolution

Housing

Housing: Aluminum alloy

Protection rate: IP65

Working temperature

Working temperature: -10°C-45°C

Connection

Power Connection: Powercon in/ out

Signal Connection: DMX 3-pin in/ out

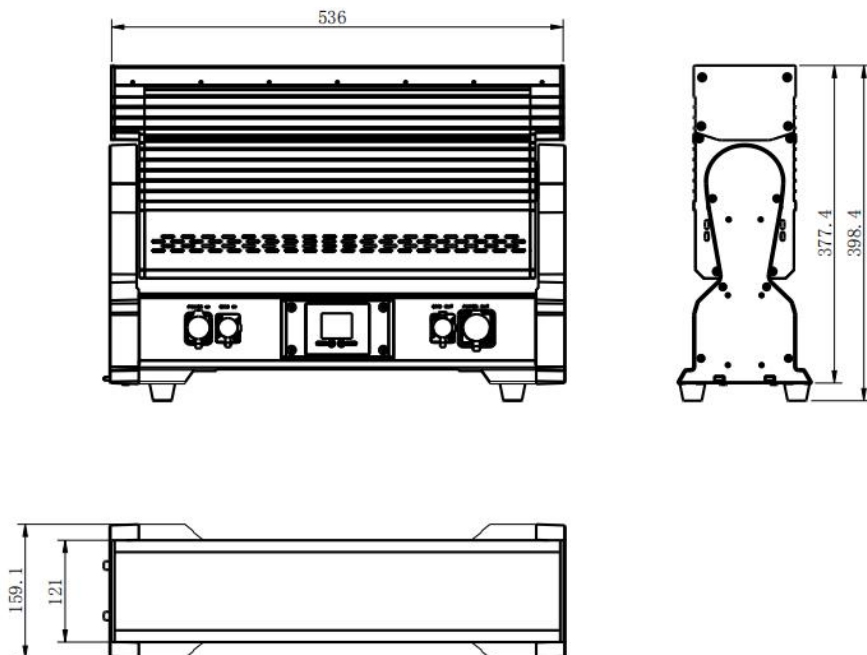
Product dimensions

536×159.1×398.4mm

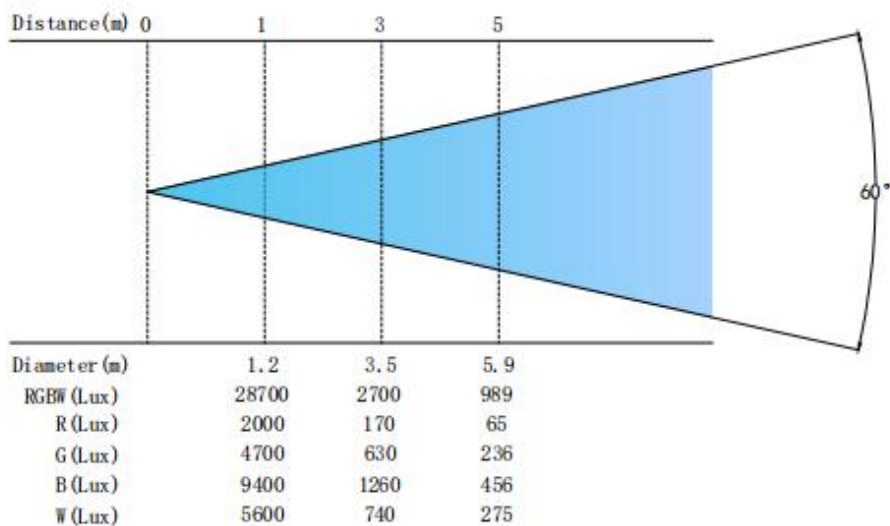
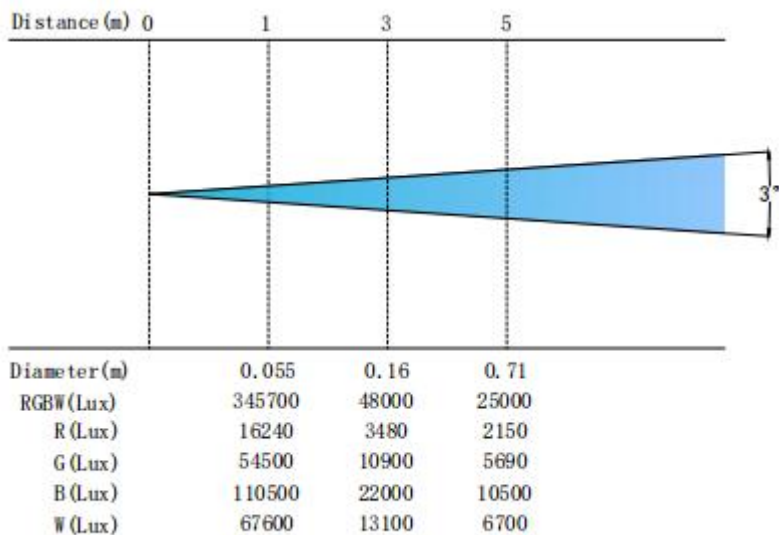
Net weight

18KG

Dimensions:

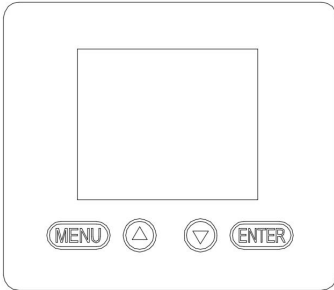


Light output:



4. Operation

4.1 Front panel operation:



MENU	To enter into move backward or leave the menu
UP	To go backward to move up in the menu
DOWN	To go forward to move down in the menu
ENTER	To perform the desired functions

Pressing any button from the home screen will show the selectable menu items from the menu map. When a menu function is selected, the display will immediately show the first available option for the selected menu function. To select a menu item, press <ENTER>.

Use the <UP> and <DOWN> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the <MENU> button.

4.2 Board instruction:

DMX MODE	001-512
RUN	DMX512
	Auto1
	Auto 2
	Sound1
	Sound2

DMX MODE	NORM			
	COMP			
	HIRES			
	DPIX			
	DPIXH			
	SPIX			
	SPIXH			
TEST	ALL			
	Pan&Tilt			
	LED			
SET	Disp. setting	Display	ON	
			OFF	
		Flip display	ON	
			OFF	
		Key lock	ON	
			OFF	
	Disp flash	ON		
		OFF		
	Back light	001-050		
		Pan Invert	ON	
	OFF			
	Tilt Invert	ON		
		OFF		
	Pan-Tilt Swap	ON		
		OFF		
	No DMX Signal	Keep		
		Clear		
	Language	English		
		中文		
	INFO	Time info	Total Fix.Hours	0000:00
			Partial Fix. Hours	0000:00

	Software Ver.	SX- V1.00
Manual	Zoom	000-255
	Tilt	000-255
	Fuction	000-255
	Dimmer	000-255
	Strobe	000-255
	Macro	000-255
	Red	000-255
	Green	000-255
	Blue	000-255
	White	000-255
	Chase	000-255
	Chase Speed	000-255
	Reset	All Reset
Yes		

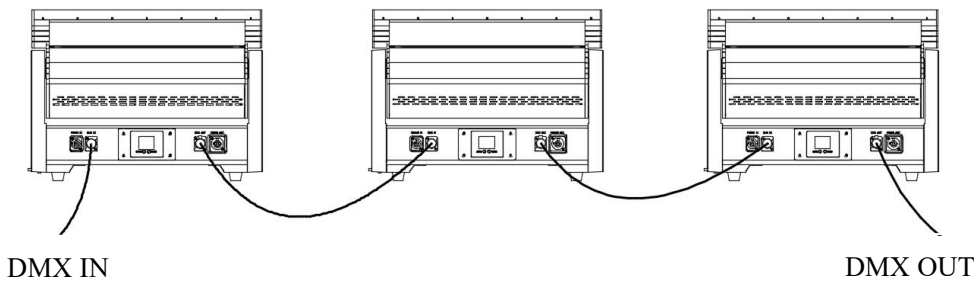
4.3 DMX address setting:

Each fixture must be assigned a unique DMX start address within the 001 - 512 range. The start address represents the first channel the fixture occupies. This product provides seven DMX modes(19/28/ 29C/33 /34/48/ 49CH) channels; therefore, the next fixtures start address must be calculated according to the number of channels used in the selected mode to avoid overlapping addresses.

For example, when operating in 19-channel mode, set Fixture 1 to 001, Fixture 2 to 20, Fixture 3 to 39, Fixture 4 to 58, etc.

DMX Mode	Fixture1	Fixture2	Fixture3	Fixture4	...
19CH	001	20	39	58	...
28CH	001	29	57	85	...
29CH	001	30	59	88	...

33CH	001	34	77	110	...
34CH	001	35	69	103	...
48CH	001	49	97	145	...
49CH	001	50	99	148	...



5. DMX Protocol

28CH;29CH;

DPIX28CH	DPIXH29CH	DMX value	Function
1	1	0-255	Tilt
2	2	0-255	Tilt fine
3	3	Shutter	
		0-9	Shutter closed
		10-109	Shutter pulse random, slow to fast
		110-239	Strobe effect, slow to fast
		240-255	Shutter closed
4	4	0-255	Intensity
*	5	0-255	Reserved
5	6	0-7	Reserved
		8-255	Reserved
6	7	0-255	Reset
7	8	0-255	Reserved
8	9	0-255	Zoom,wide(flood)-Narrow(spot)
9	10	0-255	Set 1&2 red, color mixing system
10	11	0-255	Set 1&2 green, color mixing system
11	12	0-255	Set 1&2 blue, color mixing system
12	13	0-255	Set 1&2 white, color mixing system
13	14	0-255	Set 3&4 red, color mixing system
14	15	0-255	Set 3&4 green, color mixing system
15	16	0-255	Set 3&4 blue, color mixing system
16	17	0-255	Set 3&4 white, color mixing system
17	18	0-255	Set 5&6 red, color mixing system
18	19	0-255	Set 5&6 green, color mixing system
19	20	0-255	Set 5&6 blue, color mixing system
20	21	0-255	Set 5&6white, color mixing system
21	22	0-255	Set 7&8 blue, color mixing system
22	23	0-255	Set 7&8 red, color mixing system

23	24	0-255	Set 7&8 green, color mixing system
24	25	0-255	Set 7&8 blue, color mixing system
25	26	0-255	Set 9&10 white, color mixing system
26	27	0-255	Set 9&10 red, color mixing system
27	28	0-255	Set 9&10 green, color mixing system
28	29	0-255	Set 9&10 blue, color mixing system

19CH;33CH;34CH

COMP (19CH)	NORM (33CH)	HIRES (34CH)	DMX value	Function
1	1	*	*	Reserved
2	2	*	*	Reserved
3	3	1	0-255	Tilt
4	*	2	0-255	Tilt fine
16	*	3	0-255	Zoom,wide(flood)-Narrow(spot)
*	4	4	0-7	Reserved
			8-255	Reserved
5	5	5	Set 1 color(fixed)	
			0-7	Colors adjustable via RGB
			8-15	Color 01-red
			16-23	Color 02- amber
			24-31	Color 03-warm yellow
			32-39	Color 04-yellow
			40-47	Color 05-green
			48-55	Color 06-Turquoise
			56-63	Color 07-cyan
			64-71	Color 08-blue
			72-79	Color 09-lavender
			80-87	Color 10-malve
			88-95	Color 11-magenta
96-103	Color 12-Pink			
104-111	White-CTO (3200K)			

			112-119	White (5600K)
			120-127	White-CTB (7200K)
			128-255	Rainbow effect
6	6	6	0-255	Set 1 red, color mixing system
7	7	7	0-255	Set 1 green, color mixing system
8	8	8	0-255	Set 1 blue, color mixing system
9	9	9	0-255	Set 1 white, color mixing system
*	10	10	0-255	Set 1 intensity
10	11	11	Shutter	
			0-9	Shutter closed
			10-109	Shutter pulse random, slow to fast
			110-239	Strobe effect, slow to fast
			240-255	Shutter closed
11	12	12	0-255	Intensity
12	*	13	0-255	Reserved
13	13	14	0-255	Reset
*	15	15	0-255	Set 2 color :Values see channel 5
*	15	16	0-255	Set 2 red, color mixing system
*	16	17	0-255	Set 2 green, color mixing system
*	17	18	0-255	Set 2 blue, color mixing system
*	18	19	0-255	Set 2 white, color mixing system
*	19	21	0-255	Set 2 intensity
*	20	21	0-255	Set 3 color: values se channel 5
*	21	22	0-255	Set 3 red, color mixing system
*	22	23	0-255	Set 3 green, color mixing system
*	23	24	0-255	Set 3 blue, color mixing system
*	24	25	0-255	Set 3 white, color mixing system
*	25	26	0-255	Set 3 intensity
14	26	27	0-255	Reserved
*	27	28	0-255	Reserved
15	29	*	0-255	Pattern movement
17	28	29	0-255	Set 1 pattern select
*	*	30	0-255	Set 1 pattern movement

*	30	31	0-255	Set 2 pattern select
*	31	*	0-255	29ch pattern movement, fast to slow
*	*	32	0-255	Set 2 pattern movement
18	32	33	0-255	Reserved
19	33	34	0-255	Reserved

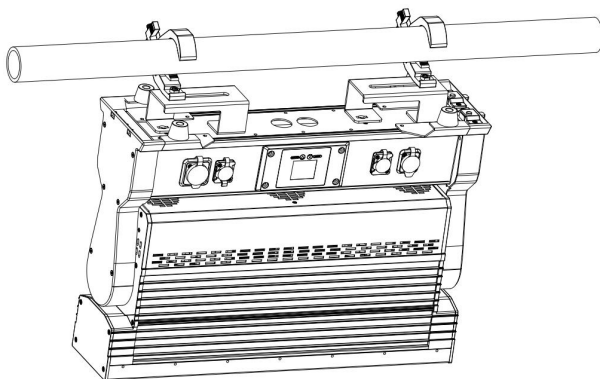
48CH;49CH

SPIX (48CH)	SPIXH (49CH)	DMX value	Function
1	1	0-255	Tilt
2	2	0-255	Tilt fine
3	3	Shutter	
		0-9	Shutter closed
		10-109	Shutter pulse random, slow to fast
		110-239	Strobe effect, slow to fast
		240-255	Shutter closed
4	4	0-255	Intensity
5	5	0-255	Reserved
*	6	0-7	Reserved
*		8-255	Reserved
6	7		Rset
7	8	0-255	Reserved
8	9	0-255	Zoom,wide(flood)-Narrow(spot)
9	10	0-255	Set 1 red, color mixing system
10	11	0-255	Set 1 green, color mixing system
11	12	0-255	Set 1 blue, color mixing system
12	13	0-255	Set 1 white, color mixing system
13	14	0-255	Set 2 red, color mixing system
14	15	0-255	Set 2 green, color mixing system
15	16	0-255	Set 2 blue, color mixing system
16	17	0-255	Set 2 white, color mixing system
17	18	0-255	Set 3 red, color mixing system
18	19	0-255	Set 3 green, color mixing system

19	20	0-255	Set 3 blue, color mixing system
20	21	0-255	Set 3 white, color mixing system
21	22	0-255	Set 4 red, color mixing system
22	23	0-255	Set 4 green, color mixing system
23	24	0-255	Set 4 blue, color mixing system
24	25	0-255	Set 4 white, color mixing system
25	26	0-255	Set 5 red, color mixing system
26	27	0-255	Set 5 green, color mixing system
27	28	0-255	Set 5 blue, color mixing system
28	29	0-255	Set 5 white, color mixing system
29	30	0-255	Set 6 red, color mixing system
30	31	0-255	Set 6 green, color mixing system
31	32	0-255	Set 6 blue, color mixing system
32	33	0-255	Set 6 white, color mixing system
33	34	0-255	Set 7 red, color mixing system
34	35	0-255	Set 7 green, color mixing system
35	36	0-255	Set 7 blue, color mixing system
36	37	0-255	Set 7 white, color mixing system
37	38	0-255	Set 8 red, color mixing system
38	39	0-255	Set 8 green, color mixing system
39	40	0-255	Set 8 blue, color mixing system
40	41	0-255	Set 8 white, color mixing system
41	42	0-255	Set 9 red, color mixing system
42	43	0-255	Set 9 green, color mixing system
43	44	0-255	Set 9 blue, color mixing system
44	45	0-255	Set 9 white, color mixing system
45	46	0-255	Set 10 red, color mixing system
46	47	0-255	Set 10 green, color mixing system
47	48	0-255	Set 10 blue, color mixing system
48	49	0-255	Set 10 white, color mixing system

6. Installation

6.1 Mounting & Rigging



- **Attach Mounting Hardware**

Install the 2 × ¼-turn quick-lock Omega brackets to the base, then secure suitable rated C- or O-clamps to the brackets.

- **Position and Rig the Fixture**

Mount the fixture onto a stable truss or structure using clamps rated to hold at least 10× the fixture's weight.

Always lift the fixture using the handles—not the clamps.

- **Install the Safety Cable**

Run the safety cable through the two safety-cable holes on the base and secure it to an independent safety point.

Ensure the safety cable is rated for 10× the fixture's weight.

- **Ensure Ventilation**

Verify that fans and ventilation openings are unobstructed and that sufficient space is available around the fixture.

- **Lock / Unlock Pan & Tilt**

Lock Pan and Tilt before moving the fixture.

Unlock them before powering on.

Never operate the fixture while Pan/Tilt is locked.

- Final Stability Check

Ensure all clamps, screws, and safety cable connections are firmly secured, and confirm the mounting structure can support the fixture's weight.

6.2 Power connection

Please checking the power equipment supported.

Please put the plug of power source wire connect with the main power source .

(EU)Wire	Wire(America)	Direction of wire	General marks
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⊕

6.3 DMX Control Connection

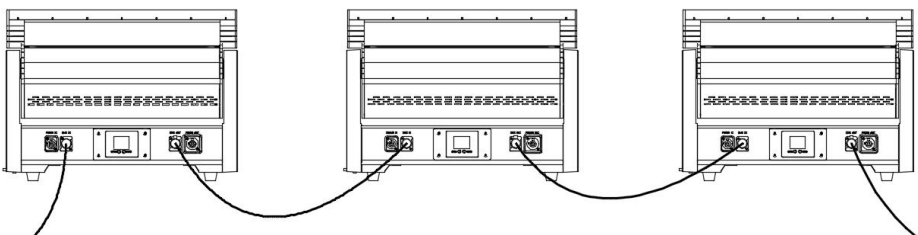
This fixture supports DMX512 (1990) control protocol and is equipped with 3-pin XLR connectors for data input and output. Use a twin-screened DMX cable with conductors of at least 0.5 mm² , ensuring correct wiring for the selected connector type.

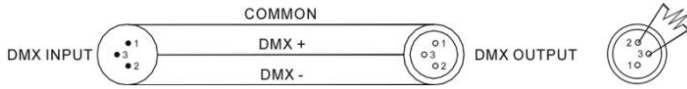
Connect the controller's DMX OUT to the first fixture's DMX IN, then link fixtures DMX OUT → DMX IN in a daisy-chain. For optimal signal integrity, install a **DMX terminator** on the DMX OUT of the final fixture.

Ensure no pin makes contact with the connector housing or other pins.

Before use, test cables with an ohm meter to verify correct polarity and to ensure no pins or shield are shorted to ground, as this may result in data errors or unstable operation.

For convenience, connect fixtures in the physical order they are installed, rather than by DMX address sequence.





7. Maintenance & Cleaning

Regular maintenance is essential to ensure optimal performance and extend the service life of the fixture.

7.1 Cleaning

Disconnect the unit from power before any cleaning work.

Use a soft, lint-free cloth slightly dampened with mild detergent to clean the exterior surfaces.

Gently remove dust from ventilation slots, optical lenses, and cooling components using compressed air or a soft brush.

Avoid using solvents, alcohol, or abrasive materials that may damage the housing or optical elements.

7.2 Lubrication

This fixture is designed with sealed or maintenance-free moving parts. Under normal operating conditions, no additional lubrication is required.

If abnormal noise or movement resistance is observed, contact qualified service personnel before applying any lubricant.

7.3 Troubleshooting

If the fixture does not power on, verify the power supply, cables, and connectors.

For control issues, check DMX addressing, cable integrity, and ensure proper 3-pin/5-pin XLR connections.

Overheating or unexpected shutdown may indicate blocked ventilation; inspect and clean air inlets and outlets.

If problems persist after basic checks, discontinue use and contact authorized service technicians.



LEAHUA

Guangzhou Leahua Lighting Technology Ltd

Rm 1004, Building A
Baiyun Lake Future Technology Center
No,1 Xinghu Street, Shimen, Baiyun district
Guangzhou 510440, China
