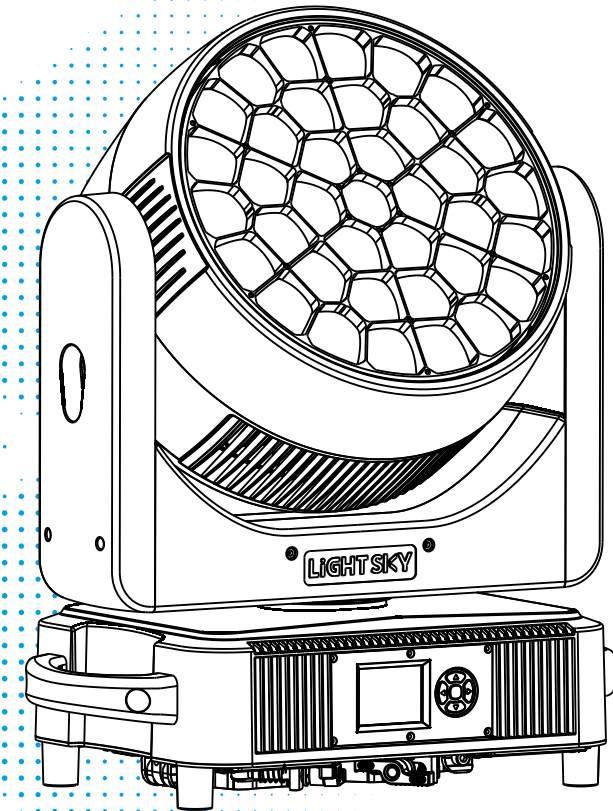


LIGHT SKY

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PEARL WASH MAX

User Manual

Please read the instruction carefully before use

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Congratulations on choosing our company product! We thank you for your custom.

- Please keep in mind that this product, like other products of the company, adheres to the concept of people-oriented design and manufacture, and takes product quality as the foundation.
- We put the interests of customers first, and do our best to meet customer requirements.
- Please read this instruction manual carefully and keep it for future reference. In the case of fully understanding the product information, strictly abide by theUse the instruction manual to ensure that the product is installed, used and serviced correctly and safely.
- Our company is not responsible for any damage to lamps or other performance due to personal failure to follow the instructions during installation, use and maintenance.responsibility.
- Our company reserves the right to modify the manual at any time and without prior notice.

1.Safety Instructions



WARNING

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this manual.

The following symbols are used to identify important safety information on the product and in this manual:

WARNING! Safety hazard. Risk of severe injury or death.	WARNING! Refer to manual before installing, powering or servicing.	WARNING! Hazardous voltage. Risk of severe or lethal electric shock.	WARNING! Fire hazard.	WARNING! Burn hazard. Hot surface, not touch. Do not touch	WARNING! Risk of eye injury. Safety glasses must be worn.	WARNING! Risk of hand injury. Safety gloves must be worn.	WARNING! Avoid direct eye contact
DANGER! Applies only to luminaires directly mounted on surfaces of non-combustible materials	DANGER! Do not discard Trash can	DANGER! Mark of ground	DANGER! Replace all shatter shields	DANGER! Take a short distance from the object to be photographed (meters)	DANGER! Rated maximum ambient temperature	DANGER! Indoor use only	DANGER! Do not point the lens towards the sun or strong light
							DANGER! Operation not allowed during runtime

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

— Unpack and check carefully to ensure that there is no transportation damage before using the unit.

— This product is for indoor use only. Use only in a dry location.

— Do install and operate by qualified operator.

— The light source in this luminaire should be replaced by the manufacturer or its service agent or a similarly qualified person, always cut off the power supply before replacing the light source.

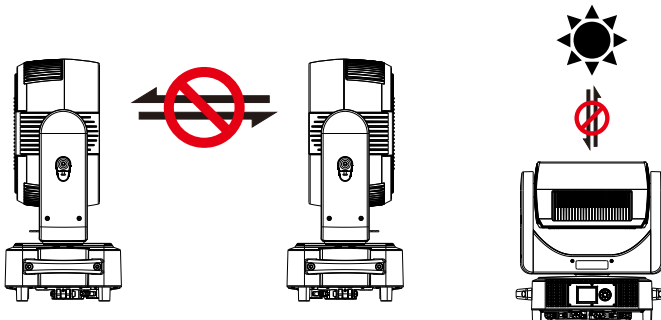
— Do not allow children to operate the fixture.

— Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.

— The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.

— Be sure that no ventilation slots are blocked, otherwise the unit will be overheated.

- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature Ta: -10°C. Maximum ambient temperature Ta: 45°C.
- Do not operate this product at a lower or higher temperature.
- Do not connect the device to any dimmer pack.
- When the lamp is running, do not place combustible objects next to it. The shortest distance between the device and inflammable and explosive objects or materials is 1 m.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 55°C. Do not touch the housing bare-handed during its operation.
- Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.
- Do not operate in a dirty or dusty environment. Do clean the fixture regularly.
- Do not touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The distance between the luminaire and the irradiated surface shall be greater than 3 meters.
- Do not shine light directly into another fixture's lens. Intense beam can damage internal components.
- Direct sunlight or any other strong light beam penetrating the front lens of the luminaire can cause severe internal damage. During unpacking, installation, operation, and extended idle periods outdoors, it is prohibited to expose the front lens of the luminaire to beams of direct sunlight or any other strong light source from any angle.



- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

- Do not open the housing as there are no user serviceable parts inside.
- Do not attempt to operate this unit if it becomes damaged. Do not attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- Do use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- Do not operate this product if you see damage on the housing, shields, or cables.
Have the damaged parts replaced by an authorized technician at once.

Installation:

The luminaire must be securely fastened to the quick-lock hook with screws to prevent vibration or slipping during operation. The supporting structure must be able to withstand 6 times the weight of the luminaire. Additionally, a safety cable must be installed that can endure 30 free-fall drops from 300mm without failure. Installation should only be performed by qualified professionals, and the luminaire must be mounted in an area inaccessible to unauthorized personnel or away from pedestrian traffic.

2. Technical Specifications

OPTICS

- Light source: 37 × 60W RGBWLA LED
- Beam angle: : 5°~42°
- Spot angle: 7.8°~65°
- Color temperature: 2500K-10000K
- Color rendering index: Ra ≥ 95
- Illuminance: 53500 lx @ 5 m
- Luminous flux: 20000 lm
- Average lifespan of light source: 20000h
- Utilizes the iCC™ Color Calibration System.

EFFECT

- Color Mixing System: Uniform RGBWLA Color Mixing System and Rainbow Effect.
- Zoom system: linear electric zoom.
- control: The light source supports ring control with outstanding dynamic ring control effects.
- Effect macros: static effect macros and dynamic effect macros functions.
- Dimming: Electronic dimming, providing four dimming curves+four dimming frequencies+four dimming speeds.
- Strobe: 1-25Hz electronic strobe and random strobe.

CONTROL AND PROGRAMMING

- Control channels: standard 26CH, 44CH, 56CH, 39CH ,see channel table for details.
- Control protocols: Standard DMX512 protocol, RDM protocol, Art-Net protocol, sACN protocol.
- Data Connection: 3-pin or 5-pin signal input/output, RJ45 input/output
- Display: LCD screen

SOFTWARE

- Upgrade software through DMX signal interface or USB interface.
- Intelligent temperature control ensures LED lifespan

X/Y AXIS MOTION ANGLE

- X-axis: 540 ° (8-bit/16bit precision scanning)
- Y-axis: 215 ° (8-bit/16 bit precision scanning)

- Reset function with automatic error correction
- Fixed lock: X-axis/Y-axis lock

POWER SUPPLY AND POWER

- Input voltage: AC 100-240V 50/60Hz
- Maximum power: 1500W
- Power factor: 0.977
- Maximum current of the lamp: 6.63/220V,15A/100V

DIMENSIONS & WEIGHT

- Product size: 502 × 384 × 624mm
- N.W.: 28.6kg
- Carton packaging (default): 620×470×655mm
- G.W.: 35.7 kg

OTHER

- Protection level: IP20
- Working environment: -10 °C~45 °C
- Maximum surface temperature of lamp body: 55 °C
- Hook: Suitable for pipes with a diameter of 50-60 mm.

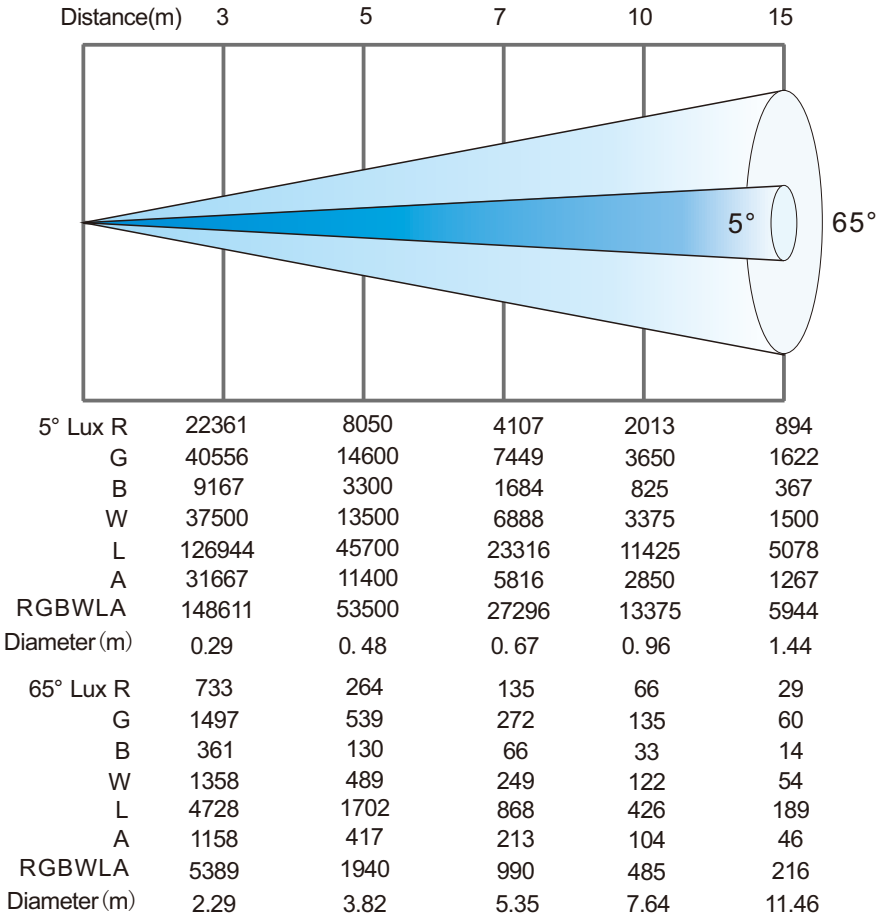
OPTIONAL ACCESSORIES / PACKAGING

- Flycase Size(2 units): 970×660×815mm
- G.W.: 99.8 kg

APPROVALS

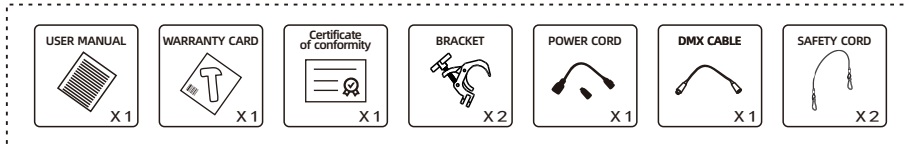
- The product implementation standard: IEC 60598-1、IEC 60598-2-17
- Approved certifications: CE、RoHs
- The product complies with the following EU directives:
Low Voltage Directive 2014/35/EU . EMC Directive 2014/30/EU

illumination diagram

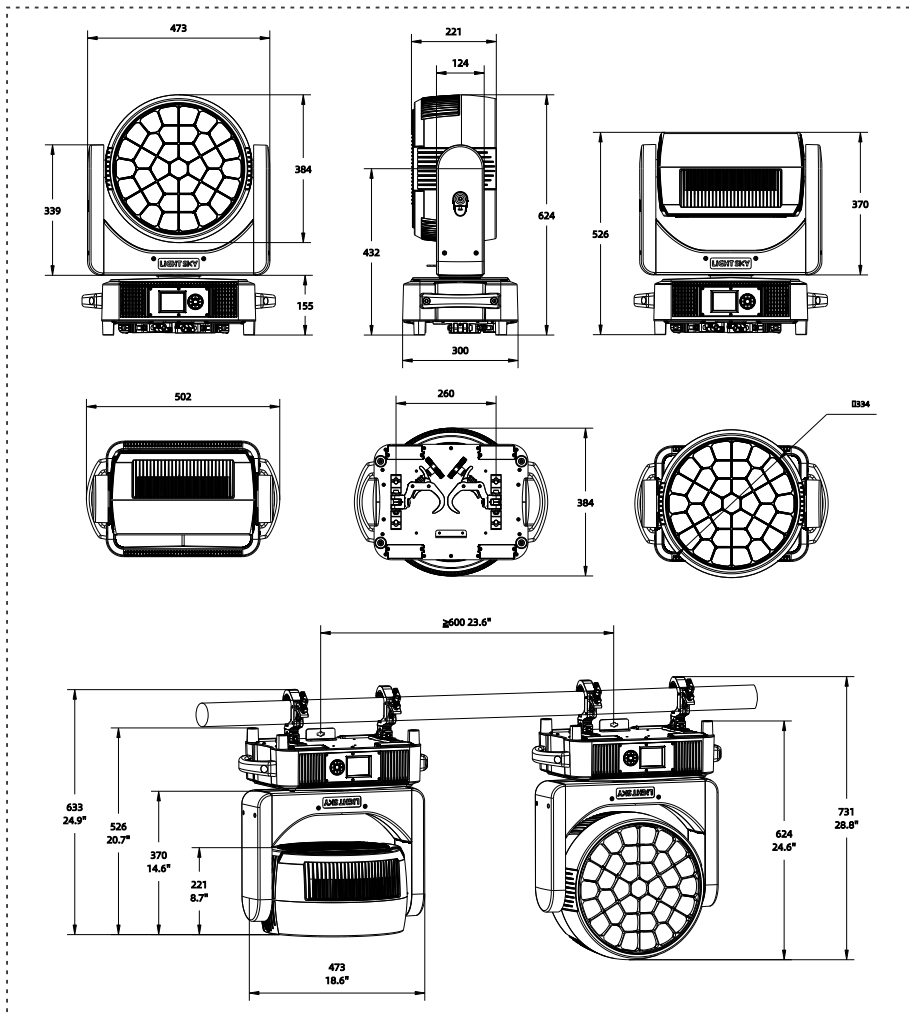


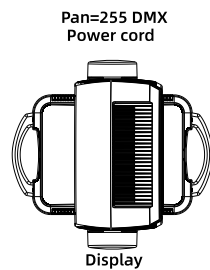
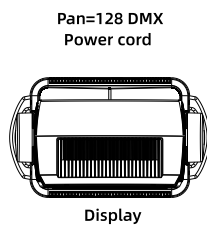
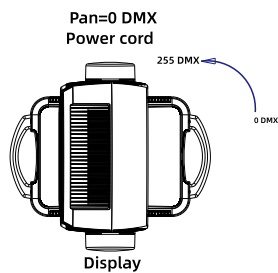
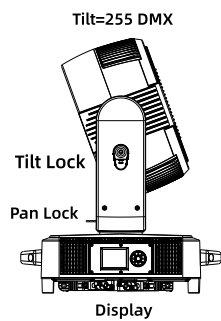
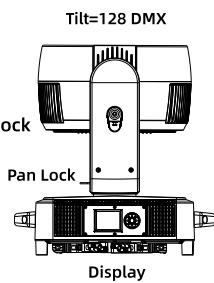
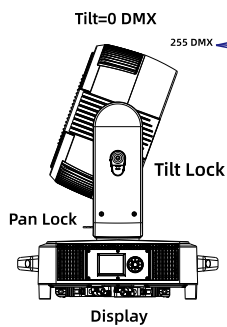
2.1.Attachment And Size

Attachment contents-Fig.1



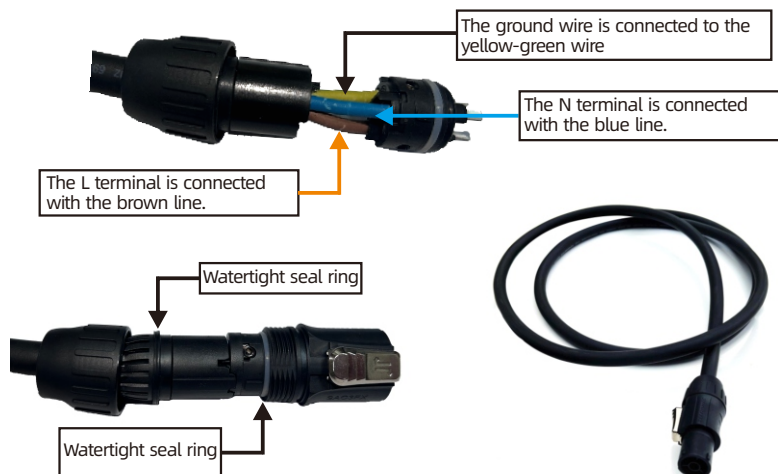
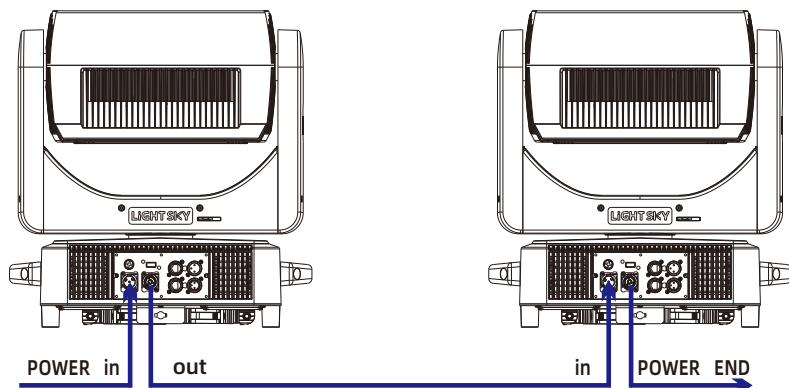
Size-Fig.2 (Unit:mm)





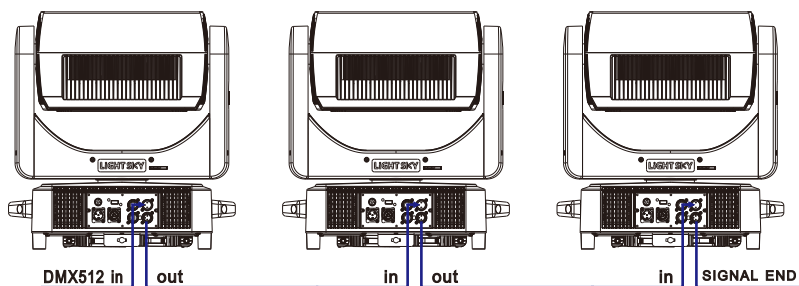
3.Connection and control

3.1.Power supply connection

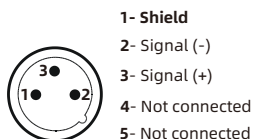


- The bus connecting the power supply must be installed by a qualified professional technician.
- After completing all the above operations and ensuring that it is installed, you can power on the lamp to operate.

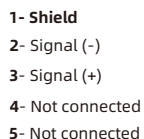
3.2.DMX 512 Connection



DMX-input

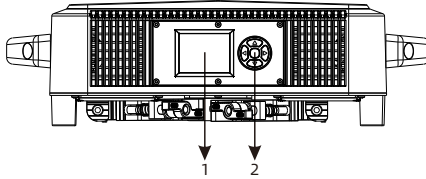


DMX - output



1. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120 Ω 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
 2. Connect the unit together in a "daisy chain" by XLR plug cable from the output of the unit to the input of the next unit. The cable cannot be branched or split to a "Y" cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
 3. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
 4. Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.
 5. The end of the DMX 512 system should be terminated to reduce signal errors.
 6. 3 pin XLR connectors are more popular than 5 pins XLR.
- 3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

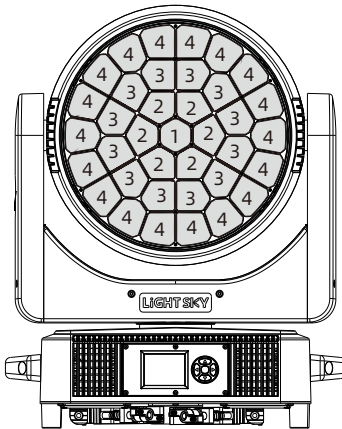
3.3.Control Panel



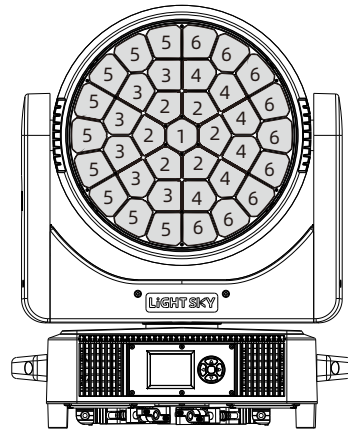
1.Display: To show the various menus and the selected function.

2.Button :

OK	OK confirmation key
▲	UP
▼	DOWN
◀	To the left
▶	To the right



Light source control sequence
(43 Channel)



Light source control sequence
(55 Channel)

4.How To Set The Unit

4.1.Main Function

Main menu	I menu	II menu	III menu	IV menu	
DMX Settings	Address	1-512			
	Channel Mode	Mode-1(26CH) (Default)			
		Mode-2(44CH)			
		Mode-3(56CH)			
		Mode-4(39CH)			
	DMX State	Black (Default)			
		Hold			
	Input Mode	DMX 512 (Default)			
Art-Net					
sACN					
Info	Fixture Times	Power On Time	0 - 99999H		
		LED On Time	0 - 99999H		
		All Time	0 - 99999H		
	Temperatures	LED Temp.	XXXX°C		
	RDM Info	UID:0x3888XXXXXXXX			
	DMX Live	1.Pan	0 - 255		
		2.Pan fine	0 - 255		
		3.....	0 - 255		
	Version Info	Display	VX.XXX		
		Pan/Tilt	VX.XXX		
		Zoom Module	VX.XXX		
		Led Module	VX.XXX		
		Led Module2	VX.XXX		
		Led Fan Module	VX.XXX		
		Bottom Fan	VX.XXX		
	Fan Info	LedFan123Vol	xxx V		
		LedFan456Vol	xxx V		
		BaseFan1Vol	xxx V		
		BaseFan2Vol	xxx V		
		Led Fan1	OK/Error		
Led Fan2		OK/Error			
Led Fan3		OK/Error			
Led Fan4		OK/Error			
Led Fan5		OK/Error			
Led Fan6		OK/Error			
Pan/Tilt		PT Swap	OFF		
			ON		
		Pan Invert	OFF		
			ON		
		Tilt Invert	OFF		
			ON		
		PT Encoder	OFF		
			ON		
		PT Mode	Normal		
			Fast		
		Precise			
		Noise Mode	Silent		
			Standard (Default)		
	High Output				
	Display	Language	English		
Chinese					
Backlight Time		Always			
		Auto (30S)			
Intensity		0 - 100			

Main menu	I menu	II menu	III menu	IV menu
Personality		Rotation	Normal	
			Rotate 180	
			Auto	
	Ethernet Set	IP Address	xxx.xxx.xxx.xxx	
		Mask Address	xxx.xxx.xxx.xxx	
		Universe Address	0-32767	
		sACN Universe Add.	1-63999	
		DHCP	OFF (Default) / ON	
		Ethernet To DMX	OFF (Default) / ON	
	Dimmer Speed	Normal(Default)		
		Smooth1		
		Smooth2		
		Smooth3		
	Dimmer Curve	Linear		
		Square(Default)		
		I-Square		
		SCurve		
	Led Preq Set	1800 Hz		
		3600 Hz (Default)		
		7200 Hz		
		25000 Hz		
	Zoom Invert Set	OFF (Default)		
		ON		
	Zoom Speed Mode	Normal (Default)		
		Fast		
		Precise		
	iCC	OFF		
		ON (Default)		
Manual	Manual Control	1.Pan	0 - 255	
		2.Pan fine	0 - 255	
		3.....	0 - 255	
	Reset	Total Reset		
		Pan/Tilt Reset		
		Zoom Reset		
Test	Test all	Testing		
	Test Pan/Tilt	Testing		
	Test Effects	Testing		
	Fixture State	MCU XY	OK/ Reset/ Error	
		MCU ZOOM	OK/ Reset/ Error	
		MCU LED	OK/ Reset/ Error	
		MCU LED2	OK/ Reset/ Error	
		MCU LED FAN	OK/ Reset/ Error	
		MCU BASE FAN	OK/ Reset/ Error	
		Memory IC	OK/ Reset/ Error	
		Angle Sensor	OK/ Reset/ Error	
		Pan Encoder	OK/ Reset/ Error	
		Tilt Encoder	OK/ Reset/ Error	
		Pan	OK/ Reset/ Error	
		Tilt	OK/ Reset/ Error	
		Zoom	OK/ Reset/ Error	
		Pan	0 - 255	
		Tilt	0 - 255	
		Zoom	0 - 255	
		Red1	0 - 255	
		Green1	0 - 255	
		Blue1	0 - 255	
		White1	0 - 255	
		Amber1	0 - 255	
		LightGreen1	0 - 255	
		Red2	0 - 255	

Main menu	I menu	II menu	III menu	IV menu
Service	Adjust	Green2	0 - 255	
		Blue2	0 - 255	
		White2	0 - 255	
		Amber2	0 - 255	
		LightGreen2	0 - 255	
		Red3	0 - 255	
		Green3	0 - 255	
		Blue3	0 - 255	
		White3	0 - 255	
		Amber3	0 - 255	
		LightGreen3	0 - 255	
		Red4	0 - 255	
		Green4	0 - 255	
		Blue4	0 - 255	
		White4	0 - 255	
		Amber4	0 - 255	
		LightGreen4	0 - 255	
		Red5	0 - 255	
		Green5	0 - 255	
		Blue5	0 - 255	
		White5	0 - 255	
		Amber5	0 - 255	
		LightGreen5	0 - 255	
		Red6	0 - 255	
		Green6	0 - 255	
		Blue6	0 - 255	
		White6	0 - 255	
		Amber6	0 - 255	
		LightGreen6	0 - 255	
		Red	0 - 255	
		Green	0 - 255	
		Blue	0 - 255	
		White	0 - 255	
		Amber	0 - 255	
		LightGreen	0 - 255	
	Factory	Factory Reset	YES / NO	Password: 1111
		Reset Timers	Reset Power On Timers	YES/ NO
			Reset LED Timers	YES/ NO
			Reset ALL Timers	YES/ NO
		Update	Simple Update	Display
				Pan/Tilt
				Zoom module
				LED DRV
				LED2 DRV
				LED FAN DRV
				BASE FAN DRV
				ALL
			Whole Update	Display
				Pan/Tilt
				Zoom module
				LED DRV
				LED2 DRV
				LED FAN DRV
				BASE FAN DRV
				ALL
		Logo Select		
		Fixture Type		
		iCC Test	OFF	
			ON	

4.2.Address Setting

Enter MENU, select the DMX setting function, select the address code setting, press the OK button to confirm, the current DMX address will be displayed on the display. Use the up/down buttons to select addresses 001~512, and press the OK button to save. Press the OK button to return to the previous menu.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
26 CH	1	27	53	79
44 CH	1	45	89	133
56 CH	1	57	113	169
39 CH	1	40	79	118

4.3.DMX 512 Configuration

26CH	44CH	56CH	39CH	DMX	FUNCTION	Note
1	1	1	18	0-255	Pan	Angle: 0-540°, Maximal Speed: 2.485
2	2	2	19	0-255	Pan Fine	
3	3	3	20	0-255	Tilt	Angle: 0-215°, Maximal Speed: 1.355
4	4	4	21	0-255	Tilt Fine	
5	5	5	22		Special functions	
				0-25	No Function	
				26-30	Zoom Reset(Useless in 39 channel mode)	
				31-40	P/T Reset(Useless in 39 channel mode)	
				41-50	Fixture Reset(Useless in 39 channel mode)	
				51-55	Fan mode: Standard	
				56-60	Fan mode: High Output	
				61-65	Fan mode: Silent	
				66-70	No Function	
				71-75	Zoom invert on	
				76-80	Zoom invert off	
				81-85	Display on	
				86-90	Display off	
				91-95	Pan invert on	
				96-100	Pan invert off	
				101-105	Tilt invert on	
				106-110	Tilt invert off	
				111-115	Dimmer frequency:1800HZ	
				116-120	Dimmer frequency:3600HZ	
				121-125	Dimmer frequency:7200HZ	
				126-130	Dimmer frequency:25000HZ	
				131-135	Dimmer curve: Linear	
				136-140	Dimmer curve: Square	
				141-145	Dimmer curve: Inv-square	
				146-150	Dimmer curve: 5-Curve	
				151-155	Dimmer speed:Normal	
				156-160	Dimmer speed:Smooth 1	
				161-165	Dimmer speed:Smooth 2	
				166-170	Dimmer speed:Smooth 3	
				171-175	XY Normal mode	
				176-180	XY Fast mode	
				181-185	XY Precise mode	
				186-190	Zoom Normal mode	
				191-195	Zoom Fast mode	
				196-200	Zoom Precise mode	
				201-255	No Function	
/	/	/	23		Reset	It's only available under channel 39
				0-25	No Function	
				26-70	Zoom Reset	
				71-127	P/T Reset	
				128-255	Fixture Reset	
6	6	6	24	0-255	Zoom	
7	7	7	25	0-255	Zoom Fine	
8	8	8	16	0-255	Dimmer from 0% to 100% (0=default)	
9	9	9	17	0-255	Dimmer Fine from 0% to 100% (0=default)	
10	10	10	15		Shutter	
				0-9	No Function	
				10-49	Slow closing, Fast opening, slow → fast	1→25 HZ
				50-89	Fast closing, Slow opening, Slow → Fast	1→25 HZ
				90-119	Slow closing, Slow open, Slow → Fast	1→25 HZ
				120-179	Random strobe,Slow → Fast	1→25 HZ
				180-249	Synchronous strobe,slow → fast	1→25 HZ
				250-255	Shutter open	
					Macro	
				0-4	No Function	
				5-19	CCT	
					Foreign Color	
				20-21	Filter 4 (Medium Bastard Amber)	
				22-23	Filter 19 (Fire)	

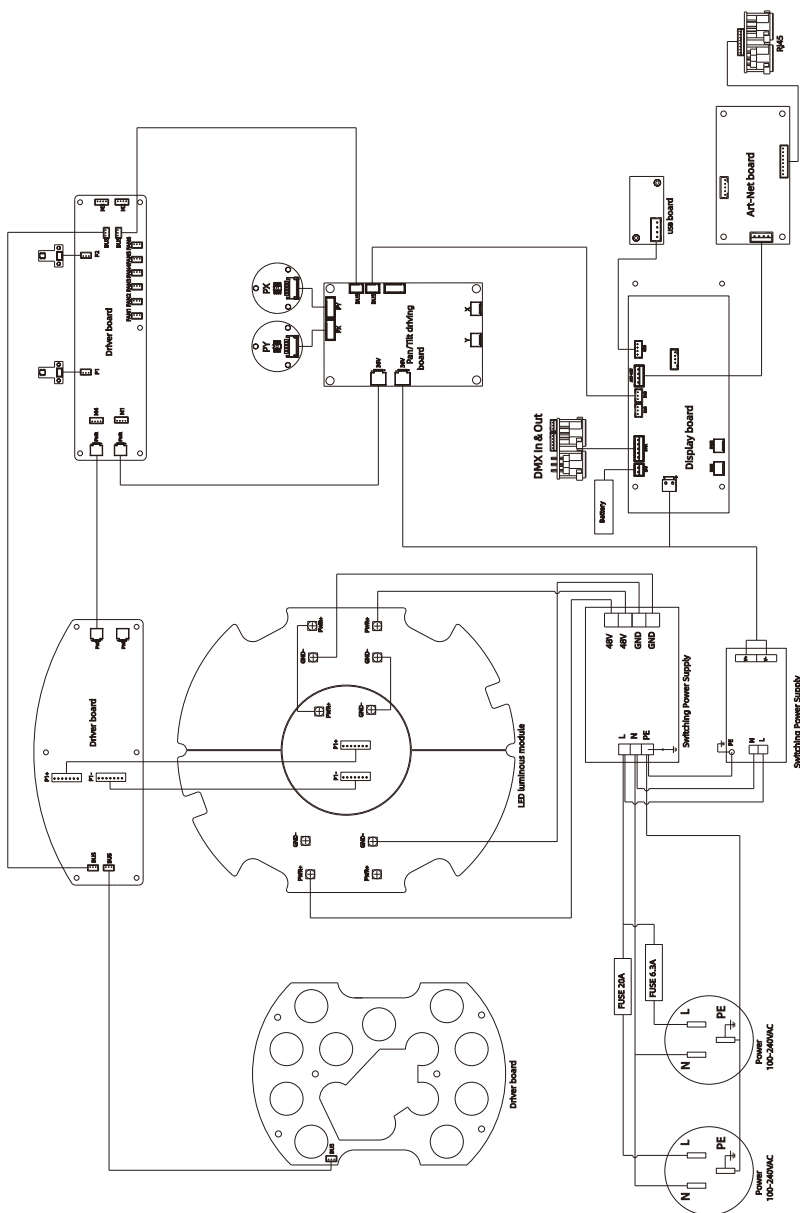
26CH	44CH	56CH	39CH	DMX	FUNCTION	Note
				24-25	Filter 58 (Lavender)	
				26-27	Filter 68 (Sky Blue)	
				28-29	Filter 71 (Tokyo Blue)	
				30-31	Filter 79 (Just Blue)	
				32-33	Filter 90 (Dark Yellow Green)	
				34-35	Filter 103 (Straw)	
				36-37	Filter 111 (Dark Pink)	
				38-39	Filter 115 (Peacock Blue)	
				40-41	Filter 116 (Medium Blue-Green)	
				42-43	Filter 117 (Steel Blue)	
				44-45	Filter 118 (Light Blue)	
				46-47	Filter 119 (Dark Blue)	
				48-49	Filter 128 (Bright Pink)	
				50-51	Filter 131 (Marine Blue)	
				52-53	Filter 132 (Medium Blue)	
				54-55	Filter 137 (Special Lavender)	
				56-57	Filter 138 (Pale Green)	
				58-59	Filter 139 (Primary Green)	
				60-61	Filter 141 (Bright Blue)	
				62-63	Filter 148 (Bright Rose)	
				64-65	Filter 152 (Pale Gold)	
				66-67	Filter 154 (Pale Rose)	
				68-69	Filter 157 (Pink)	
				70-71	Filter 162 (Bastard Amber)	
				72-73	Filter 165 (Daylight Blue)	
				74-75	Filter 169 (Lilac Tint)	
				76-77	Filter 170 (Deep Lavender)	
				78-79	Filter 172 (Lagoon Blue)	
				80-81	Filter 180 (Dark Lavender)	
				82-83	Filter 181 (Congo Blue)	
				84-85	Filter 197 (Alice Blue)	
11	11	11	14	86-87	Filter 201 (Full C.T. Blue)	
				88-89	Filter 202 (Half C.T. Blue)	
				90-91	Filter 203 (Quarter C.T. Blue)	
				92-93	Filter 205 (Half C.T. Orange)	
				94-95	Filter 206 (Quarter C.T. Orange)	
				96-97	Filter 247 (Filter Minus Green)	
				98-99	Filter 248 (Half Minus Green)	
				100-101	Filter 281 (Three Quarter C.T. Blue)	
				102-103	Filter 285 (Three Quarter C.T. Orange)	
				104-105	Filter 352 (Glacier Blue)	
				106-107	Filter 353 (Lighter Blue)	
				108-109	Filter 715 (Cabana Blue)	
				110-111	Filter 793 (Vanity Fair)	
					Local Color	
				112-113	120 Begonia Red	
				114-115	212 Light Wheat Yellow	
				116-117	308 Light Yellow	
				118-119	311 Moon White	
				120-121	410 Pale Cyan	
				122-123	508 Grass Green	
				124-125	517 Cold Blue	
				126-127	608 Light Green	
				128-129	715 Cyan Cloud	
				130-131	803 Dark lavender	
				132-133	808 Dusk Purple	
				134-135	812 Light Wind Chime	
				136-137	909 Plum Sauce Purple	
				138-139	916 Kao Mauve	
				140-141	1013 Wild Rose Pink	
				142-143	1022 Sakura Pink	
				144-192	Reserved	
					Color Effect	

26CH	44CH	56CH	39CH	DMX	FUNCTION	Note
				193-202	Color wheel change speed from fast to slow	
				203-212	Color wheel change speed from fast to slow	
				213-222	Color wheel change speed from fast to slow	
				223-232	Color wheel change speed from fast to slow	
				233-242	Rainbow color speed from slow to fast	
				243-252	Rainbow color speed from slow to fast	
				253-255	Rainbow color speed from slow to fast	
12	12	12	13		CCT	
				0-2	No Function	
				3-255	CCT color 10000K-2500K	
				3	10000K	
				23	9500K	
				43	9000K	
				63	8500K	
				83	8000K	
				103	7500K	
				120	7000K	
				135	6500K	
				150	6000K	
				162	5600K	
				180	5000K	
				195	4500K	
				210	4000K	
				219	3700K	
				225	3500K	
				234	3200K	
				240	3000K	
				249	2700K	
				255	2500K	
13	13	13	/		CRI selection	
				0-255	CRI selection from Standard(CRI90+/R9:95+) to High light (CRI90+/R9:80) (0=default)	
14	14	14	/		Green correction	
				0	Uncorrected white	
				1-127	Minus green --> uncorrected white	
				128	Uncorrected white (128=default)	
				129-254	Uncorrected white --> Plus green	
15	15	15	/	255	Uncorrected white	
					Static LED Effect	
				0-7	No Function	
				8-149	Static Scene1-71 (2 dmx for every scene)	71 scenes
16	16	16	/	150-255	No Function	
					Move LED Effect	
				0-7	No Function	
				8-111	Dynamic scene 1-51(2 dmx for every scene)	51 scenes
				112-127	Random scene	
17	17	17	/	128-255	No Function	
					Move LED Effect Speed	
				0-126	Forwards move led effect speed from fast to slow	
				127-128	Stop	
18	18	18	/	129-255	Backwards move led effect speed from slow to fast	
					Move LED Effect Delay	
				0-255	Move LED effect delay from fast to slow	
19	19	19	/		Background Color	
				0-1	No Function	
				2-255	Color for background	
20	20	20	/		Background Dimmer	
				0-255	Background dimmer from 0% to 100% (0=default)	
21	/	/	/	1	0-255 Red (0%-100%)	
/	/	/	/	2	0-255 Red Fine (0%-100%)	
22	/	/	/	3	0-255 Green (0%-100%)	
/	/	/	/	4	0-255 Green Fine(0%-100%)	
23	/	/	/	5	0-255 Blue (0%-100%)	

26CH	44CH	56CH	39CH	DMX	FUNCTION	Note
/	/	/	6	0-255	Blue Fine (0%-100%)	
24	/	/	7	0-255	White (0%-100%)	
/	/	/	8	0-255	White Fine (0%-100%)	
25	/	/	9	0-255	Amber (0%-100%)	
/	/	/	10	0-255	Amber Fine (0%-100%)	
26	/	/	11	0-255	Light Green (0%-100%)	
/	/	/	12	0-255	Light Green Fine (0%-100%)	
/	21	/	/	0-255	Ring Red1 (0%-100%)	
/	22	/	/	0-255	Ring Green1 (0%-100%)	
/	23	/	/	0-255	Ring Blue1 (0%-100%)	
/	24	/	/	0-255	Ring White1 (0%-100%)	
/	25	/	/	0-255	Ring Amber1 (0%-100%)	
/	26	/	/	0-255	Ring Light Green1 (0%-100%)	
/	27	/	/	0-255	Ring Red2 (0%-100%)	
/	28	/	/	0-255	Ring Green2 (0%-100%)	
/	29	/	/	0-255	Ring Blue2 (0%-100%)	
/	30	/	/	0-255	Ring White2 (0%-100%)	
/	31	/	/	0-255	Ring Amber2 (0%-100%)	
/	32	/	/	0-255	Ring Light Green2 (0%-100%)	
/	33	/	/	0-255	Ring Red3 (0%-100%)	
/	34	/	/	0-255	Ring Green3 (0%-100%)	
/	35	/	/	0-255	Ring Blue3 (0%-100%)	
/	36	/	/	0-255	Ring White3 (0%-100%)	
/	37	/	/	0-255	Ring Amber3 (0%-100%)	
/	38	/	/	0-255	Ring Light Green3 (0%-100%)	
/	39	/	/	0-255	Ring Red4 (0%-100%)	
/	40	/	/	0-255	Ring Green4 (0%-100%)	
/	41	/	/	0-255	Ring Blue4 (0%-100%)	
/	42	/	/	0-255	Ring White4 (0%-100%)	
/	43	/	/	0-255	Ring Amber4 (0%-100%)	
/	44	/	/	0-255	Ring Light Green4 (0%-100%)	
/	/	21	/	0-255	Red1 (0%-100%)	
/	/	22	/	0-255	Green1 (0%-100%)	
/	/	23	/	0-255	Blue1 (0%-100%)	
/	/	24	/	0-255	White1 (0%-100%)	
/	/	25	/	0-255	Amber1 (0%-100%)	
/	/	26	/	0-255	Light Green1 (0%-100%)	
/	/	27	/	0-255	Red2 (0%-100%)	
/	/	28	/	0-255	Green2 (0%-100%)	
/	/	29	/	0-255	Blue2 (0%-100%)	
/	/	30	/	0-255	White2 (0%-100%)	
/	/	31	/	0-255	Amber2 (0%-100%)	
/	/	32	/	0-255	Light Green2 (0%-100%)	
/	/	33	/	0-255	Red3 (0%-100%)	
/	/	34	/	0-255	Green3 (0%-100%)	
/	/	35	/	0-255	Blue3 (0%-100%)	
/	/	36	/	0-255	White3 (0%-100%)	
/	/	37	/	0-255	Amber3 (0%-100%)	
/	/	38	/	0-255	Light Green3 (0%-100%)	
/	/	39	/	0-255	Red4 (0%-100%)	
/	/	40	/	0-255	Green4 (0%-100%)	
/	/	41	/	0-255	Blue4 (0%-100%)	
/	/	42	/	0-255	White4 (0%-100%)	
/	/	43	/	0-255	Amber4 (0%-100%)	
/	/	44	/	0-255	Light Green4 (0%-100%)	
/	/	45	/	0-255	Red5 (0%-100%)	
/	/	46	/	0-255	Green5 (0%-100%)	
/	/	47	/	0-255	Blue5 (0%-100%)	
/	/	48	/	0-255	White5 (0%-100%)	
/	/	49	/	0-255	Amber5 (0%-100%)	
/	/	50	/	0-255	Light Green5 (0%-100%)	
/	/	51	/	0-255	Red6 (0%-100%)	
/	/	52	/	0-255	Green6 (0%-100%)	

26CH	44CH	56CH	39CH	DMX	FUNCTION	Note
/	/	53	/	0-255	Blue6 (0%-100%)	
/	/	54	/	0-255	White6 (0%-100%)	
/	/	55	/	0-255	Amber6 (0%-100%)	
/	/	56	/	0-255	Light Green6 (0%-100%)	
/	/	/	26	0-255	Shape Selection	
/	/	/	27	0-255	Shape Speed	
/	/	/	28	0-255	Shape Fade	
/	/	/	29	0-255	Shape R	
/	/	/	30	0-255	Shape G	
/	/	/	31	0-255	Shape B	
/	/	/	32	0-255	Shape W	
/	/	/	33	0-255	Shape Dimmer	Channel compatibility, currently without functionality
/	/	/	34	0-255	Background Dimmer	
/	/	/	35	0-255	Shape Transition	
/	/	/	36	0-255	Shape Offset	
/	/	/	37	0-255	Foreground Strobe	
/	/	/	38	0-255	Background Strobe	
/	/	/	39	0-255	Background Select	

5. Electrical Connection Diagram



6. Troubleshooting

The following are common faults of lamps and corresponding solutions. Faults that cannot be repaired by yourself should be handled by professionally qualified personnel. Disconnect the power supply to the lamp during maintenance!

- The light source is not bright
 - Check that a suitable light source is installed for the luminaire.
 - Check whether the power supply connection of the lamp or the control switch is in poor contact.
 - Check whether the light source has reached the end of its service life or is damaged, and replace it with a high-quality light source of the same specification.
 - Measure whether the power supply is insufficient.
 - Check whether the light source has not cooled down completely due to abnormal operation. Let the lamp cool down for more than 15 minutes to allow the light source to cool down. After returning to the normal start-up range, turn the power on again and it can be used normally.
 - Check whether the DMX512 controller sends a command to turn on the light source.
 - Check whether the light source and trigger circuit are disconnected or defective.
 - Check whether the wiring terminals on the internal trigger are in poor contact and tighten the plug.
 - Check the "Fan Speed and Voltage" in the "Basic Information" menu to see if the speed of FAN1/FAN2/FAN3 is above 500RPN. If it is below 500RPM, the light source will not light up. Replace the fan with the same specification.
 - Check whether the over-temperature protection temperature switch inside the lamp is damaged. Go to the menu "Basic Information" and select "Equipment Temperature" to check - whether the temperature measuring plate shows that the temperature is too high or there is no temperature display.
- The beam appears dim and uneven
 - The light source may have reached the end of its service life and does not emit enough light. Replace it with a light source of the same specification.
 - Check whether there is dust accumulated in the optical part and clean it.
 - Measure whether the power supply is insufficient.
 - Finely adjust the screw device used to change the height of the lamp until the ideal light is achieved. Enter the menu "Service Options" and select "Calibration" to enter color and pattern adjustment, which can be adjusted to the center.
- The projected image is blurry
 - Check whether the DMX512 controller channel value corresponding to the electronic focus system is suitable for the current projection distance.
 - Check whether the mechanical part of the focusing system is stuck, remove the dust and add antifreeze and temperature-resistant lubricating oil.
- The light source of the lamp works intermittently
 - Check whether the fan is running normally or is blocked by dust and paper debris.
 - Check whether the inlet and outlet cooling air vents are blocked by dust.
 - Check whether the lamp has reached the end of its service life.

- Check whether the power supply is insufficient, and whether the power switch and wiring are in poor contact or aging.
- Check whether the over-temperature protection temperature switch inside the lamp is damaged.
- Although it emits light, the lamp does not accept instructions from the controller
- Check whether the digital start address value and function options of the lamp are correct.
- Check whether the connection of the communication control line is correct. The communication line is too long or has been interrupted.
- Check whether the control equipment fails and whether the signal amplifier connected in series fails.
- Check whether the communication line is too long or if other devices interfere with each other.
- Optimize wiring, shorten the length of control signal lines, and route high-voltage and low-voltage lines separately
- Add signal amplifier isolator.
- The signal line is made of high-quality shielded twisted pair (impedance characteristic is 75Ω), and the signal terminal resistor is connected at the end of the lamp.
- Check that the circuit board communication IC or CPU is burned out because the bulb performs an abnormal operation when it is not completely cooled, causing the instantaneous ultra-high voltage leakage generated by the trigger, and replace the PCB board.
- The lamp cannot be started
- Check whether the power supply parameters match the lamps.
- Check whether the fuse at the light fixture's power input is blown.
- Check that the lamp has poor contact or falls off due to extrusion deformation, vibration of internal parts, moisture, etc. during long-distance transportation.
- Check whether the internal wires and connectors of the lamp are desoldered or loose.
- Check whether the electrical components of the lamp (such as power switch, transformer, ballast, capacitor, varistor, filter, power supply PCB board, motor control PCB board, etc.) are loose, short-circuited, burned out, etc.
- Some functions of the lamp cannot accept controller instructions
- Check whether the control device sends correct action instructions for these functions.
- Check whether the mechanical parts corresponding to these functions are loose or deformed.
- Check whether the motor sockets corresponding to these functions are loose or the corresponding driver chips are burned out.
- Check whether the motor wires corresponding to these functions are broken at the corners.
- Check whether the motors corresponding to these functions are damaged.
- During operation, the x or Y direction of the lamp does not move normally
- Click the previous step to check one by one.
- Check whether the corresponding drive belts in the X and Y directions of the lamp are detached or broken.
- Check whether the data feedback receiver corresponding to the X and Y directions in the lamp is damaged.
- Restart the computer and reset it once.

7. Fixture Cleaning

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust.

- A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.
- Always dry the parts carefully.
- Clean the external optical lens at least every 20 days .



CAUTION ! ! !

Disconnect from mains before starting maintenance operation.

8. Duty exonerative and copyright protection

- Light source belongs to consumption products, not within the scope of warranty.
- The manufacturer shall not bear any responsibility for any damage caused by failure to operate in accordance with this instruction.
- The manufacturer reserves the right of final interpretation for all information in this manual.
For any questions, please refer to the official website.
- All the information in this manual shall not be copied without permission.
- The data contained in this statement are subject to change in the future without prior notice.