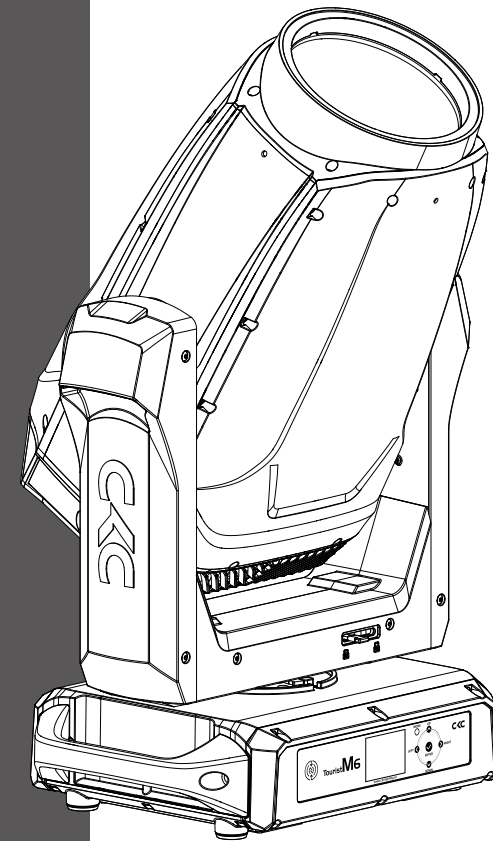


CKC

M6



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WEB: 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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★ 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 can be used both indoors and outdoors;
- 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 3m.



- 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.



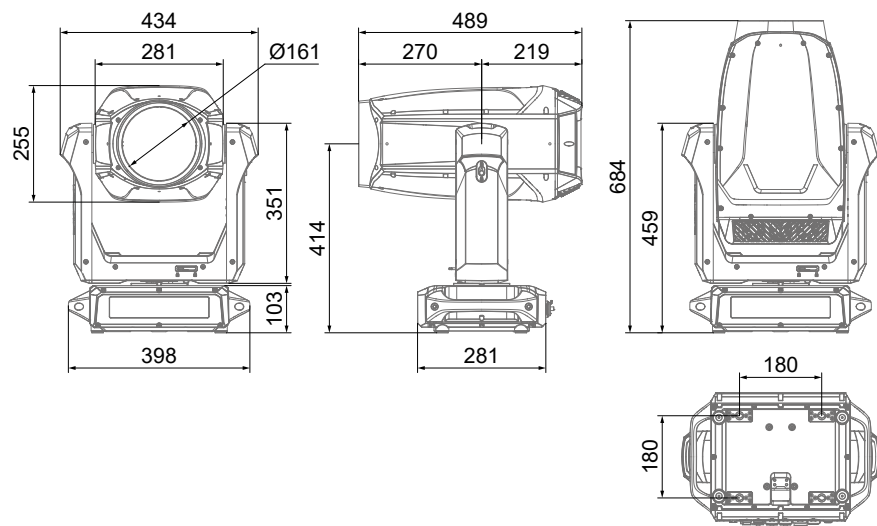
- The lighting fixtures work normally at -20 °C to 45 °C . When replacing any components or accessories in the equipment, ensure that the power is disconnected to prevent electric shock and injury;
- The maximum surface temperature of the lamp during operation can reach 74 °C , please do not touch it with bare hands.



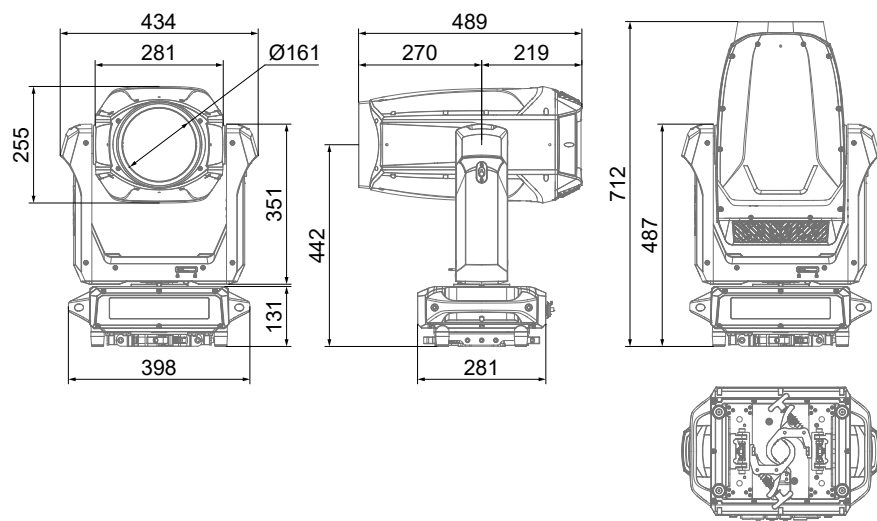
- The lighting fixtures must be installed in a sufficiently ventilated area, at least 0.5m away from adjacent surfaces, to ensure that no ventilation holes are blocked;
- Do not install the lighting fixtures directly on flammable objects;
- The minimum distance between all outer surfaces of the lamp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

2. Product Introduction

2.1 Exterior dimensions of lighting fixtures



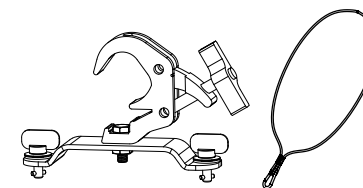
Normal version: 434×281×684mm



Integrated clamp version: 434×281×712mm

2.2 Packaging accessories

Name	QTY
Omega bracket	2 PCS
Clamp	2 PCS
Safety cable	1 PCS



3. Main technical parameters of the equipment

Product execution standards: GB43472-2:2023、GB/T 7000.1-2023、GB/T 7000.217-2023

● Electrical parameter

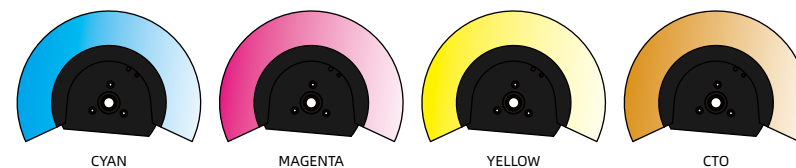
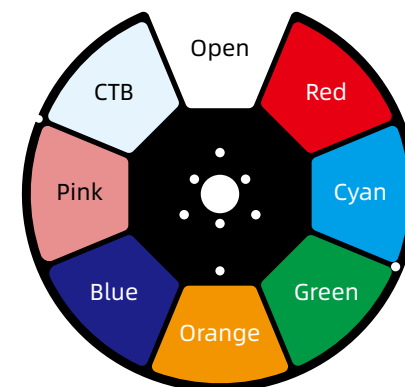
Rated input voltage: AC 100V-240V~ 50Hz/60Hz
 Rated input power: 990W
 Power factor: 0.99F
 Input Current: 4.22A 220V

● Source lifespan

>20000 hours

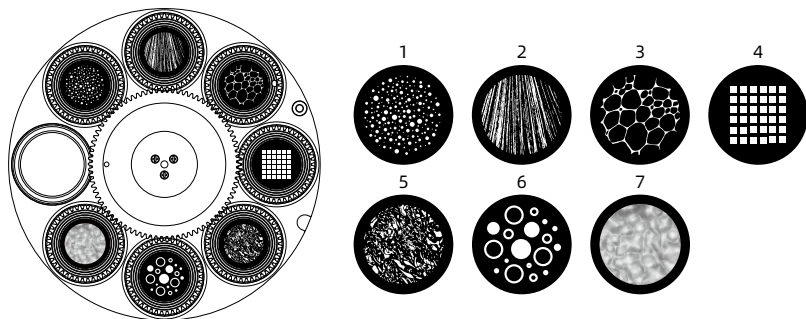
● Color system

CCT: 6500K
 CRI: 72/95
 Color wheel: 7+1
 CMY+CTO



● Gobo system

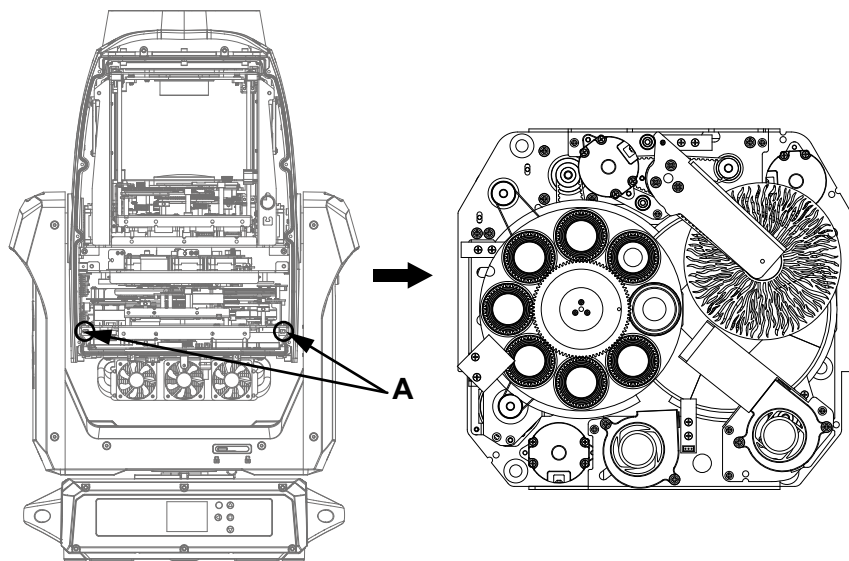
Rotation Gobo: 7+1
 Gobo outer diameter: 23 ± 0.2 mm
 Internal diameter: 11mm
 Thickness: 1.1mm



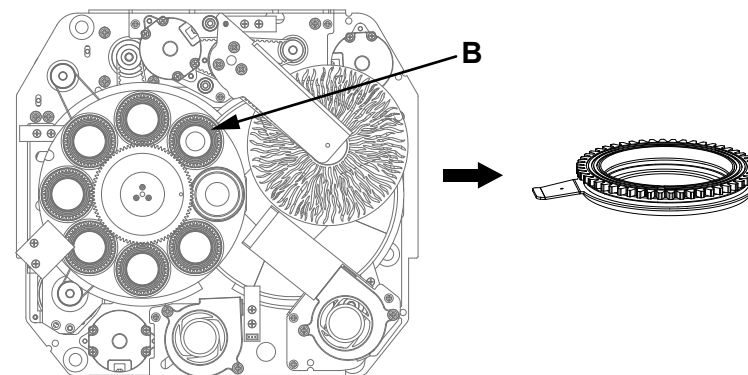
Gobo replace

1) Rotation gobo wheel

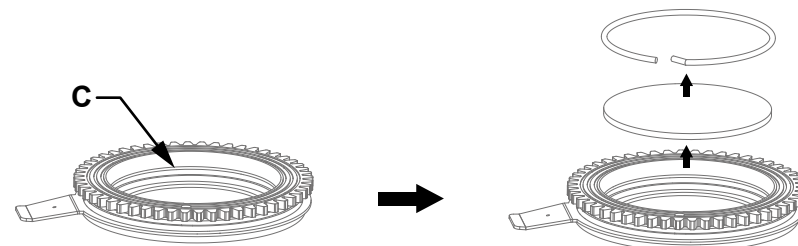
a). Remove the two screws at location **A**, unplug the power and signal adaptercables, and extract the Gobo component;



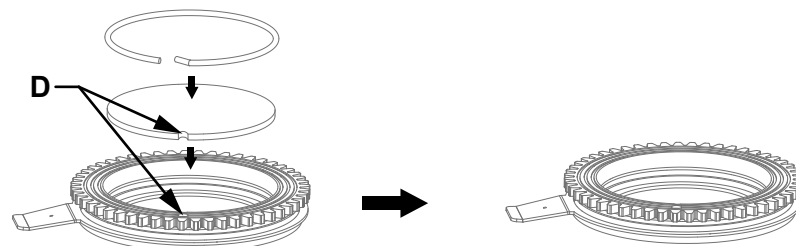
b). As shown in **B**, gently lift the driven wheel from the edge upwards from the front of the pattern plate and slowly pull it out to remove a single pattern seat;



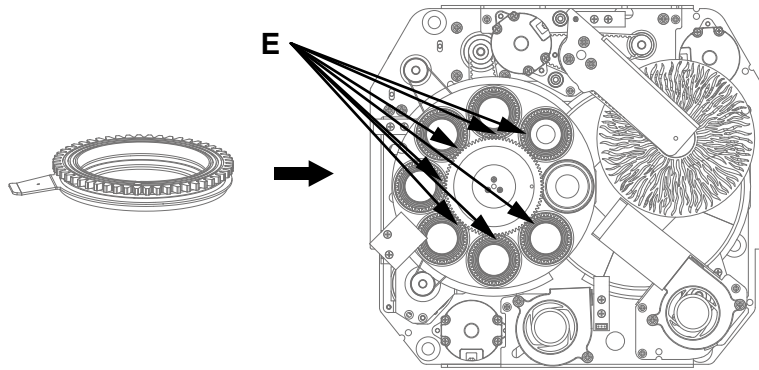
c). Use tweezers or other small grippers to remove the snap spring at point **C** (If the pattern piece is coated with glass glue for fixation, please use a professional cleaning agent to remove the glass glue before removing the snap spring to avoid damaging the gobo);



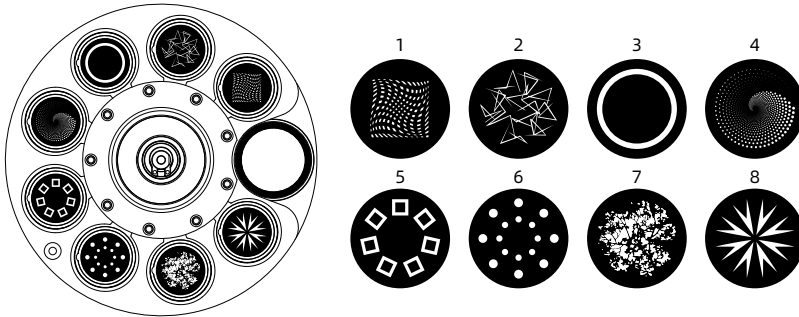
d). When assembling the gobo, avoid touching it directly with your hands. As shown in **D**, align the notch of the gobo with the recess of the driven wheel component (the coating surface of the gobo should face the light source);



e). Insert the gobo holder into the drive wheel assembly, as shown in **E**, and reinstall the gobo holder in the order it was removed; The positioning point of the gobo holder should be aligned with the positioning point of the driving wheel; After installation, simply reinstall the gobo wheel component onto the light fixture.

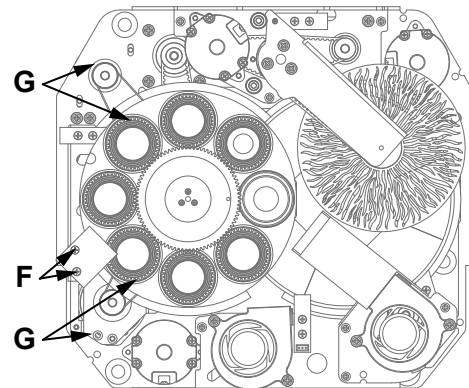


Fixed Gobo: 8+1
 Gobo outer diameter: 23mm ± 0.2 mm Internal diameter: 11mm
 Thickness: 1.1mm

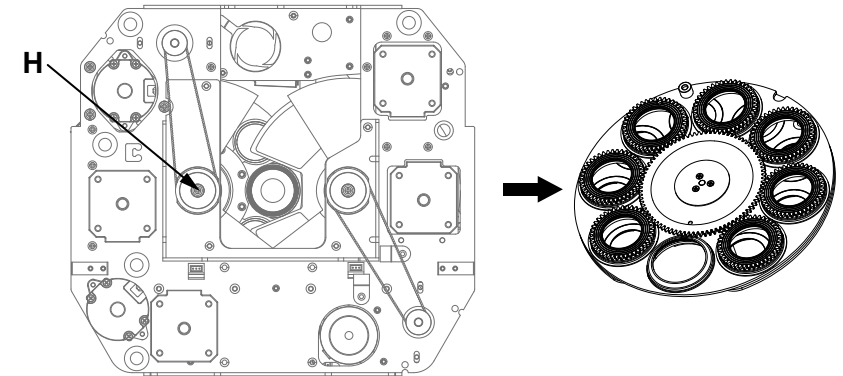


Gobo replace

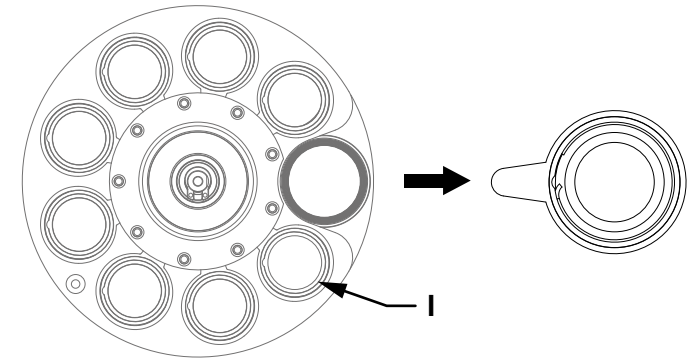
a). Unscrew the 2 screws on the front **F** of the gobo wheel component and remove the magnetic sensing plate; Loosen the 6 screws at point **G** and loosen the Gobo self rotating belt (to facilitate the next step of removing the Gobo wheel component);



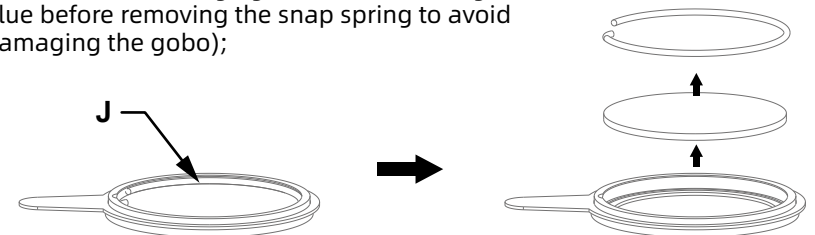
b). Reverse the components, unscrew the 3 screws on the top and sides of the pulley at **H**, remove the pulley, and then take out the Gobo wheel component;



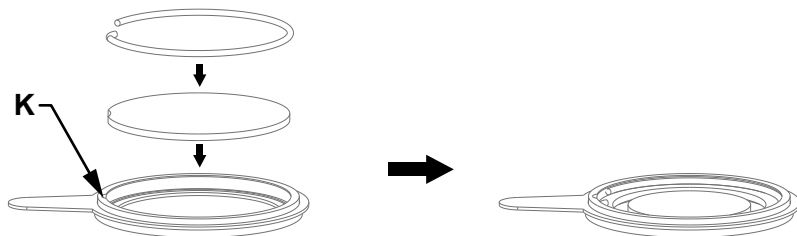
c). As shown in **I**, gently lift the gobo holder from the edge of the fixed gobo wheel and slowly pull it out to remove a single gobo holder;



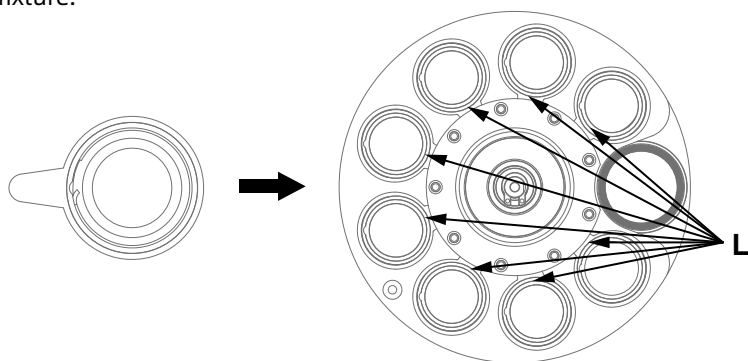
d). Use tweezers or other small grippers to remove the snap spring at point **J** (If the pattern piece is coated with glass glue for fixation, please use a professional cleaning agent to remove the glass glue before removing the snap spring to avoid damaging the gobo);



e). When assembling the gobo, avoid touching it directly with your hands. As shown in **K**, align the notch of the gobo with the recess of the driven wheel component (the coating surface of the gobo should face the light source);

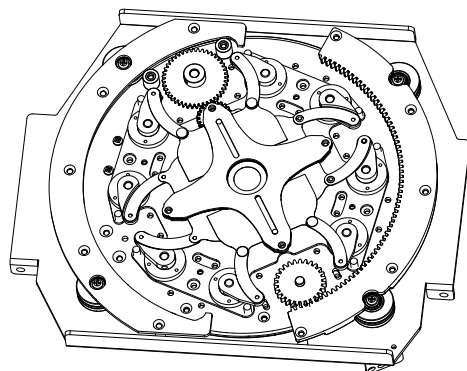


f). Insert the gobo wheel into the drive wheel assembly, as shown in **L**, and reinstall the gobo holder in the order it was removed. After installation, simply reinstall the gobo wheel component onto the light fixture.

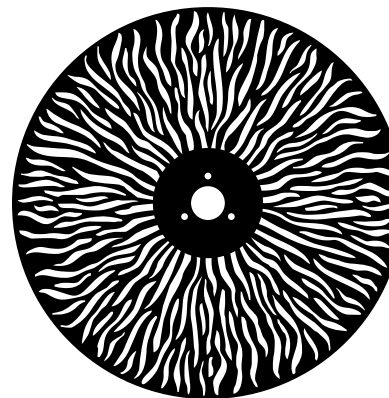


● Framing system

4 gratings achieve fast and smooth cutting, and the cutting direction and angle of each grating can be controlled separately. The single grating can achieve complete light closure, and the entire frame module can rotate $\pm 60^\circ$

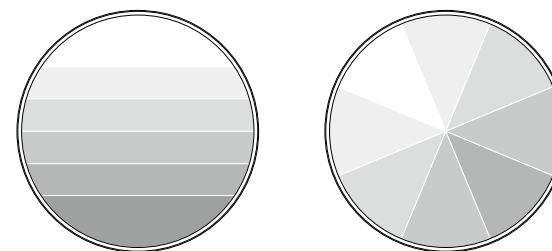


● Animation



● Prism system

6 linear + 8 prism



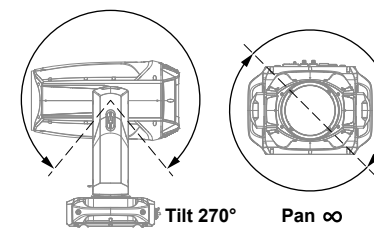
● Pan/Tilt

Pan scan:

Infinite rotation (∞)

Tilt scan:

270° 8-bit/16bit precision scanning



● Optical system

Source: 600W CW LED

Beam angel: 2 ~ 52°

Output luminous flux: 29000 Lm (High brightness)
20000 Lm (High CRI)

● Control and programming

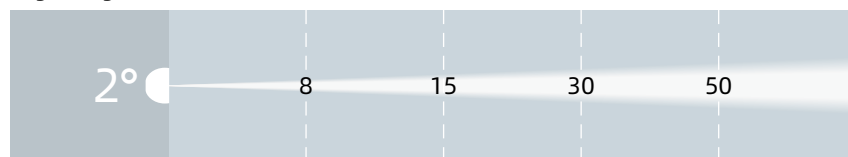
Control channel: 43CH/58CH

Protocol: DMX512, RDM, ArtNet/sACN

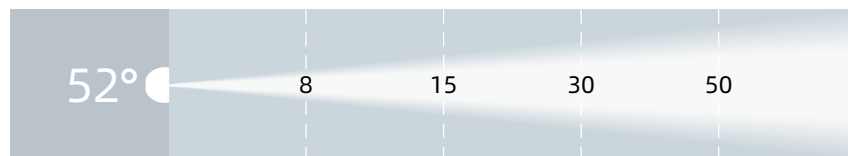
Data connect: 3 or 5 pin signal in/out, RJ45 in/out

● Illumination draw

High brightness

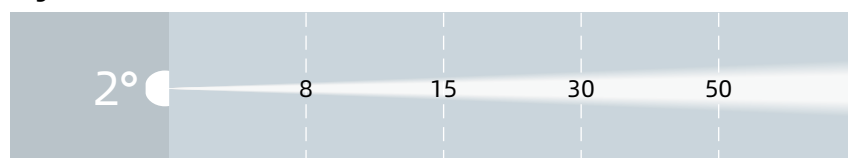


Lux	82300	23300	5825	2097
Distance(m)	0.28	0.52	1.05	1.75

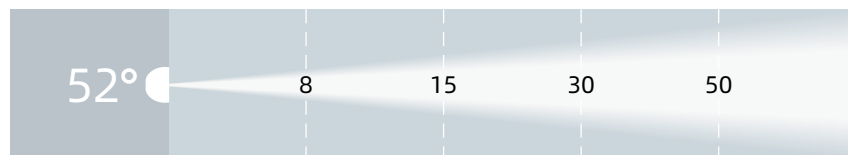


Lux	692	207	51	29.26
Distance(m)	7.80	14.63	29.26	

High CRI



Lux	51300	14600	3650	1314
Distance(m)	0.28	0.52	1.05	1.75



Lux	429	129	32	29.26
Distance(m)	7.80	14.63	29.26	

● Other effect function

Fast electronic strobe: 1~25Hz
Iris

Frost: Light frost + Heavy frost

● Other features and functions

Weight: 31.7 KG (Normal version)
33.3 KG (Integrated light hook version)

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.

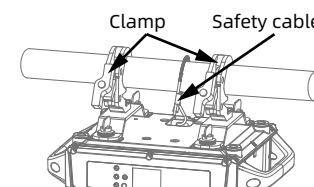
4.2 Equipment packaging

- 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

5.1 Clamp install

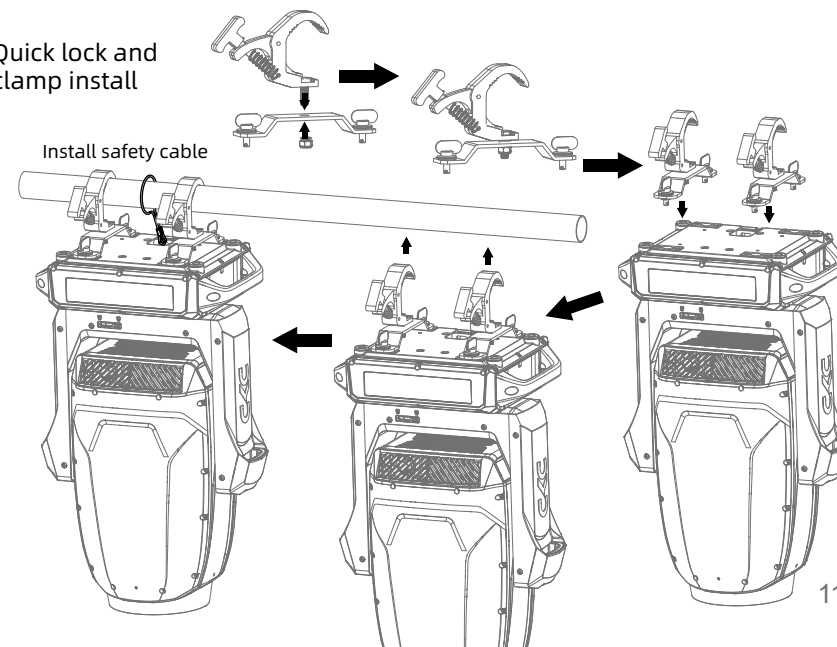
The lighting fixtures can be installed on the stage or on any direction of the truss, and the clamp can be quickly and easily locked onto the truss.

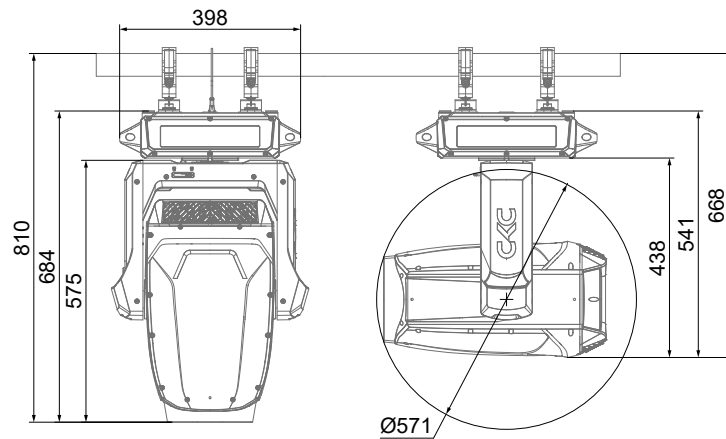


Warning !

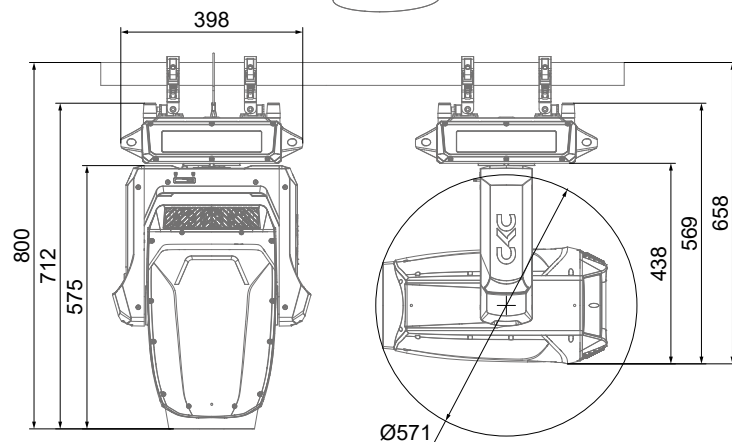
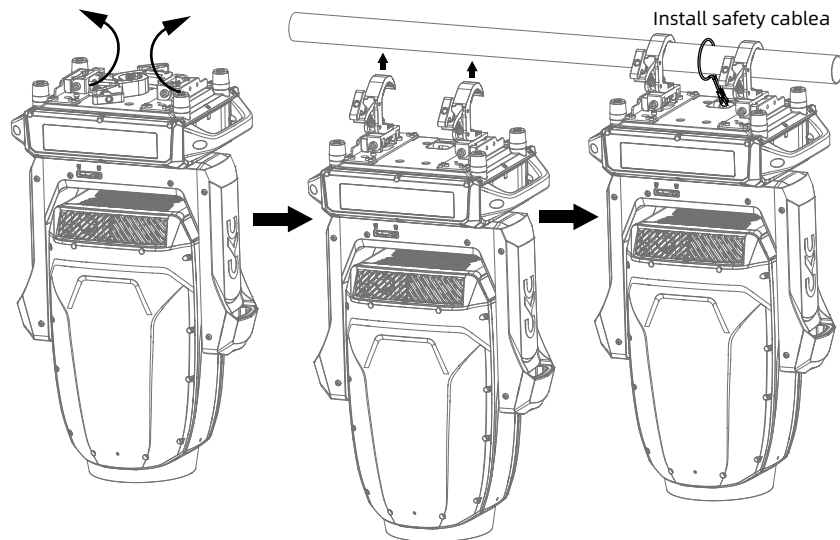
The lighting fixtures are divided into two versions: integrated light hook and normal. When using the integrated light hook version, the clamp is broken up and locked onto the truss. The normal version must use 2 clamps to secure the device and fasten it with a 1/4 rotation. Regardless of the version, one safety rope must be added and connected to the base hole, but be careful not to connect it to the handling handle.

Quick lock and clamp install





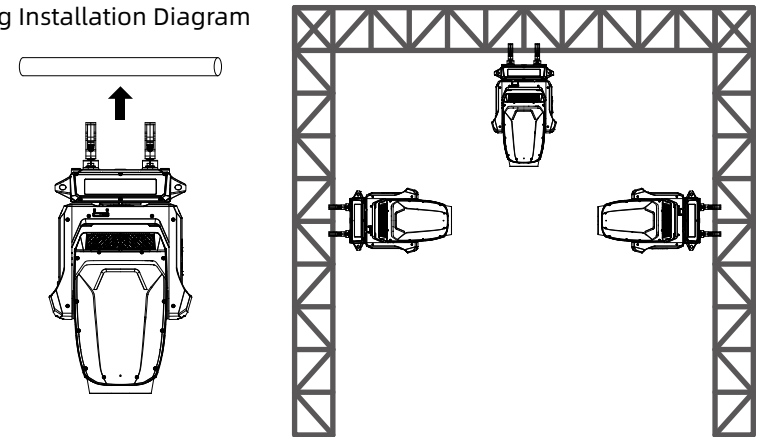
Integrated clamp installation



5.2 Equipment installation

- 1). Before installation, it is necessary to verify that the lamp hook and safety rope are not damaged, and that the installation object can withstand 6 times the total weight of the lamp and cable accessories;
- 2). Install the quick lock clamp on the base of the lamp body. Insert the clamp horizontally into the mounting hole of the base, rotate it clockwise 1/4 turn to lock it, and install the second clamp using the same method (the shape of the clamp should be based on the actual product).

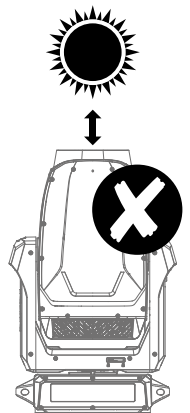
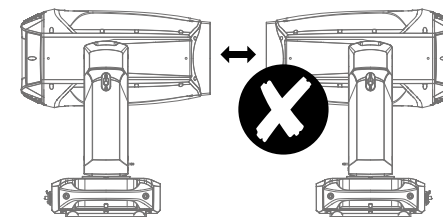
5.3 Hanging Installation Diagram



Reminder: External beam source may damage internal lighting fixtures

External beams from direct sunlight, lighting fixtures, and lasers that are directly focused onto the casing or penetrate the lens to illuminate the interior of the fixture may cause damage to the components. This is a common issue with all lighting fixtures and does not occur alone with CKC products. Although there is no way to completely prevent this problem from occurring, following the following guidelines can prevent potential damage.

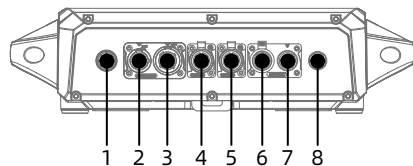
When unpacking, installing, using, and stopping the operation of the lighting fixtures, please do not expose the transparency of the fixtures the mirror is exposed to direct sunlight, other lighting fixtures, or laser beams, Do not directly focus the beam of this device onto another lighting fixture.



6. Power、Signal connect

6.1 Power and signal socket

- | | |
|----------------|---------------------|
| 1.Fuse holder | 2.Power input |
| 3.Power output | 4.RJ45 output |
| 5.RJ45 input | 6.DMX output |
| 7. DMX input | 8. Breathable valve |



6.2 Power connect

Connection method:

L(live wire) - brown wire

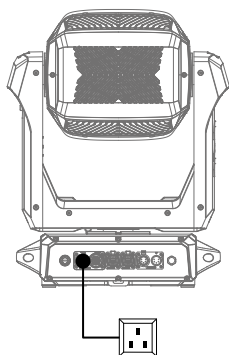
E(Ground wire) - yellow/green dual color line

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.



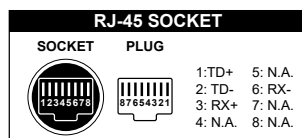
Power In

This product uses Powercon In/Out to connect power cords. Due to power limitations, a 2-square 220V power cord can carry up to 1 products.

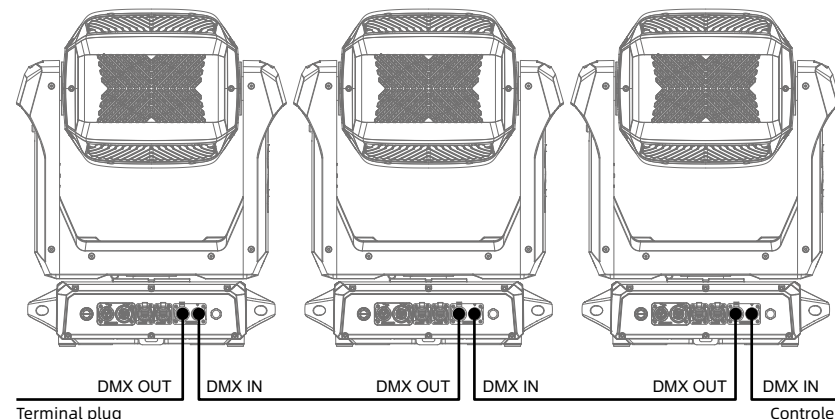
Warning !

- 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.

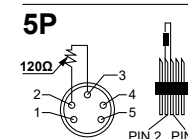
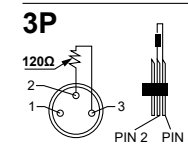
6.3 Signal connect



The lighting fixtures are equipped with standard DMX XLR and RJ-45 input and output sockets. Please use DMX512 shielded twisted pair signal cables or Category 5 or above network twisted pair cables for connection. The typical connection distance for DMX signal lines is 150 meters. When transmitting signals over long distances, 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 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



- **NFC:** The lighting fixtures do not require power on and can be directly set up, diagnosed, and perform other functions through the CKC app;
- Adopts a 2.4-inch LCD display and a touch-sensitive keypad operation panel;
- 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

Software Update Please Wait... CKC Ethernet Reset Fixture Check Temp Check LedTemp: xxx°C HeadTemp: xxx°C Tourist M6 Motor Reset Please Wait...			
SET	Dmx Presets	A001~AXXX	
	User Mode	Standard 43CH	
	Network	Net Protocol	ArtNet/sACN
Status	No DMX Mode	Black/Hold/Sun	
	P.Reverse	ON/OFF	
	T.Reverse	ON/OFF	
	Pan Degree	630/540	
	Feedback	ON/OFF	
Fixture ID	Move.Speed	Speed 1~4	
	Hibernation	OFF, 01M~99M	
	Service PIN	Password=050	
	Universe	0-32767 (ArtNet)	
Net Switch	IP Address	1-63999 (sACN)	
	Mask Address	2.XXX.XXX.XXX	
Dim Mode	Net Switch	ON/OFF	
		Standard	
	Stage		
	TV		
Temp. C/F	Architectural		
	Theatre		
		Celsius	
		Fahrenheit	

Function	Dim Curve	Linear Square Inv-Square S-Curve	
	Frequency	1200Hz/3600Hz/5000Hz/10KHz/15KHz/20KHz/25KHz	
	CRI Mode	Standard /High CRI	
	CTB Mode	ON/OFF	
	Framing Control	Left & Right Pos. & Angle	
	Fan Set	Head Fan Base Fan	Auto/High/Low Auto/High/Low
	LCD.Set	Backlight Flip Display Key Lock DispFlash Language	01~60m OFF/ON/AUTO OFF/ON/ON1 OFF/ON English/Chinese
Test	Disp.Set	Channel Value Slave Set Auto.Prog	PAN..... Slave1,Slave2,Slave3 Master / Alone
	DFSE	OFF/ON	
	Reset.M	All Pan&Tilt Other	
	Test.Chan	PAN	
	Panel.Ctrl.	PAN =XXX :	
	Calibrate	-Password=050- PAN :	
Info	Time.Info	Current (Hours) Total Time (Hours) Last Time (Hours) Timer PIN (Password=50) Clear Last (ON/OFF)	
	Temp. Info	LED Temp: xxx°C Head Temp: xxx°C Base Temp: xxx°C	
	Fan Speed	Cool Fan1: xxxx RPM Cool Fan2: xxxx RPM Cool Fan3: xxxx RPM Cool Fan4: xxxx RPM Cool Fan5: xxxx RPM Cool Fan6: xxxx RPM Head Fan1: xxxx RPM Head Fan2: xxxx RPM Gobo Fan: xxxx RPM Blade Fan: xxxx RPM Base Fan1: xxxx RPM Base Fan2: xxxx RPM	

Humi.Info	HeadHumi BaseHumi	XXX % XXX %
Error. Info	Pan,Tilt.....	
Model. Info	Tourist M6	
Software. V	1U V1.0.X 2U V1.0.X 3U V1.0.X 4U V1.0.X 5U V1.0.X 6U V1.0.X 7U V1.0.X 8U V1.0.X	

8. DMX channel table:

ST.	EX.	Values	Function
1	1	0~255	PAN Movement 8it: Pan Movement By 630/540
2	2	0~255	Pan Fine 16bt: Fine control of Pan movement
3	3	0~255	TILT Movement 8bi: Tilt Movement
4	4	0~255	Tilt Fine 16bit Tilt Fine
5	5		PAN Continuous Rotation:
		0~127	No function
		128~189	Pan clockwise from fast to slow
		190~193	stop
		194~255	Pan counter-clockwise from slow to fast
6	6	0~255	Dimmer (intensity): Intensity 0 to 100%
7	7	0~255	Dimmer Fine 16-bit: Intensity 0 to 100%
8	8		Shutter, strobe:
		0~31	No function (shutter closed)
		32~63	shutter open
		64~95	Strobe slow to fast
		96~127	No action, shutter open
		128~159	Slow to fast pulse effect
		160~191	No action, shutter open
		192~223	Slow to fast random strobe
		224~255	No action, shutter open
9	9	0~255	Cyan: Cyan (0-100%)

	10	0~255	Cyan Fine: Cyan Fine
10	11	0~255	Magenta: Magenta (0-100%)
	12	0~255	Magenta Fine: Magenta Fine
11	13	0~255	Yellow: Yellow (0-100%)
	14	0~255	Yellow Fine: Yellow Fine
12	15	0~255	CTO: CTO (0-100%)
	16	0~255	CTO Fine: CTO Fine
13	17	0~255	Tint
	18	0~255	Tint Fine
14	19		Color Wheel:
		0~5	Color off (open)
		6~115	Open → Color1..Color7 → Open
		116~120	Open
		121~130	Color 1
		131~140	Color 2
		141~150	Color 3
		151~160	Color 4
		161~170	Color 5
		171~180	Color 6
		181~190	Color 7
		191~192	Open
		193~223	Color Wheel rot. Fast -> Slow, CW
		224~224	Color Wheel rot. Stop
		225~255	Color Wheel rot. Slow -> Fast, CCW
15	20		Rotating gobos:
		0~6	Open
		7~13	Gobo 1
		14~20	Gobo 2
		21~27	Gobo 3
		28~34	Gobo 4
		35~41	Gobo 5
		42~48	Gobo 6
		49~55	Gobo 7
		56~62	Gobo 1 shake (slow-fast)
		63~69	Gobo 2 shake (slow-fast)
		70~76	Gobo 3 shake (slow-fast)

		77~83	Gobo 4 shake (slow-fast)
		84~90	Gobo 5 shake (slow-fast)
		91~97	Gobo 6 shake (slow-fast)
		98~104	Gobo 7 shake (slow-fast)
		105~178	Gobo Wheel rot. Fast -> Slow, CW
		179~181	Gobo Wheel rot. Stop
		182~255	Gobo Wheel rot. Slow -> Fast, CCW
			Gobo rotation:
16	21	0~5	Gobo1 Rot. Off
		6~128	Gobo Position 0° ... 540°
		129~191	GoboRot clockwise from fast to slow
		192~192	Gobo Rotation Stop
		193~255	GoboRot counter-clockwise from slow to fast
17	22	0~255	Gobo rotation Fine: Gobo indexing fine
18	23		Fixed gobos:
		0~6	Open
		7~13	Gobo 1
		14~20	Gobo 2
		21~27	Gobo 3
		28~34	Gobo 4
		35~41	Gobo 5
		42~48	Gobo 6
		49~55	Gobo 7
		56~62	Gobo 8
		63~69	Gobo 1 shake (slow-fast)
		70~76	Gobo 2 shake (slow-fast)
		77~83	Gobo 3 shake (slow-fast)
		84~90	Gobo 4 shake (slow-fast)
		91~97	Gobo 5 shake (slow-fast)
		98~104	Gobo 6 shake (slow-fast)
		105~111	Gobo 7 shake (slow-fast)
		112~118	Gobo 8 shake (slow-fast)
		119~185	Fixed Gobo Wheel rot. Fast -> Slow, CW
		186~188	Fixed Gobo Wheel rot. Stop
		189~255	Fixed Gobo Wheel rot. Slow -> Fast, CCW
19	24	0~255	Zoom: Zoom from min. to max.beam angle
20	25	0~255	Zoom fine 16-bit: Zoom fine
21	26	0~255	Focus: Continuous adjustment from far to near

22	27	0~255	Focus fine 16-bit: Focus fine
23	28		Iris:
		0~191	Open - Close
		192~207	Pulse up, slow -> fast
		208~223	Pulse down, slow -> fast
		224~239	Random effect, slow -> fast
24	29	240~255	Fast Up-Fast Down slow -> fast
			Prism 1(6 Linear):
		0~5	No Effect
25	30	6~255	Prism1(6 Linear)
			Rotating prism 1 index, prism 1 rotation:
		0~5	Prism Rot. Off
		6~128	Prism Position 0 ... 540°
		129~191	Clockwise rotation from fast to slow
26	31	192~192	Stop
		193~255	Counter-Clockwise rotation from slow to fast
			Prism 1 Index fine 16-bit: Prism 1 Index fine
27	32	0~5	Prism 2 (8 Face) : No Effect
		6~255	Prism2 (8 Face)
28	33		Rotating prism 2 index, prism 2 rotation:
		0~5	Prism Rot. Off
		6~128	Prism Position 0 ... 540°
		129~191	Clockwise rotation from fast to slow
		192~192	Stop
29	34	193~255	Counter-Clockwise rotation from slow to fast
			Prism 2 Index fine 16-bit: Prism 2 Index fine
			Frost1: Open to Full Frost
30	35	0~255	Frost2: Open to Full Frost
31	36	0~255	Animation index, animation rotation:
		0~5	Open
		6~127	Animation indexing
		128~189	Clockwise animation rotation from fast to slow
		190~193	No rotation
32	37	194~255	Counter-clockwise animation rotation from slow to fast
			Blade 1A:
		0~255	0% - 100%
33	38	0~255	

	39	0~255	Blade 1A Fine: 0% - 100%
34	40	0~255	Blade 1B: 0% - 100%
	41	0~255	Blade 1B Fine: 0% - 100%
35	42	0~255	Blade 2A: 0% - 100%
	43	0~255	Blade 2A Fine: 0% - 100%
36	44	0~255	Blade 2B: 0% - 100%
	45	0~255	Blade 2B Fine: 0% - 100%
37	46	0~255	Blade 3A: 0% - 100%
	47	0~255	Blade 3A Fine: 0% - 100%
38	48	0~255	Blade 3B: 0% - 100%
	49	0~255	Blade 3B Fine: 0% - 100%
39	50	0~255	Blade 4A: 0% - 100%
	51	0~255	Blade 4A Fine: 0% - 100%
40	52	0~255	Blade 4B: 0% - 100%
	53	0~255	Blade 4B Fine: 0% - 100%
41	54		Frame Rotation:
		0~126	Min (-60 degrees)
		127~128	Parallel (0 degrees)
		129~255	Max (+60 degrees)
	55	0~255	Frame Rotation Fine: 0% - 100%
	56	0~255	Pan/Tilt Speed: Max to min speed
42	57		Dim Modes:
		0~20	Standard
		21~40	Stage
		41~60	TV
		61~80	Architectural

		81~100	Theatre
		101~255	Default to Unit Setting
43	58		Device settings: <i>To trigger the control channel, the shutter needs to be adjusted to 0-31 in order to take effect, except for the reset function, highlight switching, sun protection mode, and Factory Reset</i>
		000~005	No function
		006~010	Invert Pan on (Hold 3s)
		011~015	Invert Pan off (Hold 5s)
		016~020	Invert Tilt on (Hold 3s)
		021~025	Invert Tilt off (Hold 5s)
		026~030	Fan Auto (Hold 3s)
		031~035	Fan Silent (Hold 3s)
		036~040	Fan high (Hold 3s)
		041~045	Linear Dimmer Curve (hold 3s)
		046~050	Square Dimmer Curve (hold 3s)
		051~055	Inv-Square Dimmer Curve (hold 3s)
		056~060	S- Dimmer Curve (hold 3s)
		061~065	Led Freq. 1200 Hz (hold 3s)
		066~070	Led Freq. 3600 Hz (hold 3s)
		071~075	Led Freq. 5000 Hz (hold 3s)
		076~080	Led Freq. 10.000 Hz (hold 3s)
		081~085	Led Freq. 15.000 Hz (hold 3s)
		086~090	Led Freq. 20.000 Hz (hold 3s)
		091~095	Led Freq. 25.000 Hz (hold 3s)
		096~100	Reset Pan/Tilt (Hold 3s)
		101~105	Reset only Head (Hold 3s)
		106~110	Reset All Functions (Hold 3s)
		111~115	Standard Mode (default)
		116~120	High CRI
		121~125	Gobo CTB auto On(Hold 3s)
		126~130	Gobo CTB auto Off(Hold 3s) default
		131~135	Framing Control Left & Right(Hold 3s)default
		136~140	Framing Control Position & Angle(Hold 3s)
		141~145	Sun Protection ON(Hold 3s) <i>Execute after losing DMX signal for more than 10 seconds</i>
		146~150	Sun Protection OFF(Hold 3s) default
		151~155	Factory Reset <i>Recovery content: LED refresh rate, dimming curve, P/T anti axis, fan mode, CTB gobo automatic compensation, CRI mode, framing control mode</i>
		156~255	No function

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
	Damaged cooling fan or abnormal wind speed	Replace
	Check the power output of the fan	Check/ Replace
	The temperature control switch is damaged	Replace
Gobo wheel misalignment or abnormal control	Poor contact of motor wire	Reconnect
	Corresponding motor drive board malfunction	Refixed
	Misalignment or magnetic damage between the magnetic tube and the positioning magnet	Adjust/Replace
	Motor malfunction	Replace
Weak light efficiency and uneven light spot	LED aging	Replace
	LED not centered with the lens	Adjust LED
	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
Gobo is unclear	The optical mirror has accumulated dust or stains	Clean
	The optical mirror is damaged	Replace
Head or base fan stops rotating	Check if the fan leads are installed properly or disconnected	Re connect
	Check if the fan is damaged	Replace
	Check if there are any other interfering objects within the operating range of the fan	Adjust
 Attention! The above analysis is for abnormal reference only. Non professionals are not allowed to disassemble and repair the machine		

