



DREAM LIGHT Workshop

User Manual

DREAM 6012C7 WASH
DREAM L6012C7 WASH

Guangzhou Dream Lighting Equipment Co., LTD

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Safety Information






Note: Please check the complete package after received , and please unpack and check if the fixture is damaged during shipping. If the fixture is damaged during shipping, please do not use it and contact the manufacturer/local technicians as soon as possible.

The following identifications are used to identify the product and identify the important safety information in the user manual.

Warning!	Used indoor only!	Warning! See user documentation.	Warning! Hazardous voltage. Risk of lethal or severe electric shock.	Properly grounded	Warning! Intense light emission.	Warning! High surface temperature Don't touch!	Warning! Must wear gloves!
				$t_a \dots ^\circ\text{C}$			
Warning! Fire hazard.	Do not stare at the operating light source	Do not interfere with the track of the operating fixture	Minimum distance of illuminated objects(m)	Rated maximum ambient temperature!	Don't install the fixture on the surfact of combustible materials!	Replace any cracked protective shields	

Notes:

- The fixture is used professionally only, please don't used it for any other purposes.
- Please refer to the latest user manual before using the fixture. The fixture is out of warranty if problems are caused by any incorrect use or negligence of the user manual.
- The fixture is used indoor only; the protection level rate is IP20. Please keep the fixture dry and avoid to use the fixture under the environment of damp, overheating or dusty. Please keep the fixture away from water or any other liquids.
- In order to avoid damage the fixture, it is required more than 1 person when moving the fixture. When hanging the fixture, the hanging device must be tested. The hanging device should be able to bear more than 6 times of weight of the fixture. Please make sure the housing and G-clamp are fixed and do not have damage after installed. Please use the safety chain to keep the fixture fixed on the truss safely.
- The fixture should be installed in a well-ventilated place. Keep the distance of the fixture and the obstacles more than 0.9 meter, and please check the fans and ventilation hole sare not blocked.

- Please don't install the fixture on the surfaces of the inflammable goods directly.
- Please check the voltage before the professional technicians install the fixture.
The voltage must be the same with the voltage which marked on the fixture.
Overloading protection or leakage protection are also required.
- When replacing the fuse of a fixture, please check whether the fuse meets the specified technical requirements. Do not replace or short-circuit it without allowed. Please confirm whether the input voltage meets the specified technical requirements and is correctly grounded before powering on.
- Please cut off the power supply when replacing the fuse. ()
- Rated maximum ambient temperature when the fixture is working: $t_a = 40^{\circ}\text{C}$.
- The safe/shortest distance to the illuminate object: 5m.
- when the fixture working stably, the maximum surface temperature: $t_c = 75^{\circ}\text{C}$.
- The shortest safety distance to combustible material: 0.7m.
- Please don't touch the fixture when it is working stably. It's highest surface temperature can reach 75°C .
- The fixture must be positioned in such a way that it is not subjected to prolonged observation from a distance of less than 3.5 meters.
- Please don't stare at the working fixture directly without any eye protection.
- Please replace the protective cover and lens if any visible damage happened or the damage has reached the malfunction level. ( )
- The fixture must be installed, operated, and maintained by professionals strictly according to the user manual.
- All the information of the user manual is for your reference only. All fixtures should be subject to the actual product, which is subject to change without prior notice.

Package & Transportation

Fixture package

- Please cut off the power supply and cool it down for over 15minutes before packing the fixture.
- Lock the protection lock for pan and tilt well.
- Please place the fixture in the plastic bag, and then carefully put it into the flight case vertically, the accessories are placed at special area in flight case, then close the lid and lock the flight case. Please don't put it upside down.

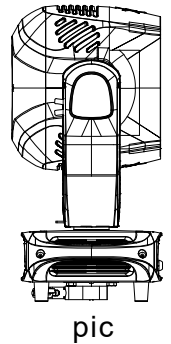
Transport protection lock

- Protective locks for pan and tilt movement are installed in the fixture for safe transportation.

Unpacking

- Open the packing box, and then open the inner packing bag.
- Grasp the handle of the fixture, take it out of the case carefully.
- Unlock the protective lock before power on the fixture.

Notice: Please check the complete package after received the fixture, please check whether the fixture is damaged or not during shipping after opened the packing. If the fixture is damaged during shipping, please don't use it first, and contact the manufacture/local technicians as soon as possible.



Accessories with fixture

Accessories	Qty
User Manual	1
Warranty Card	1
Signal Cable	1
Power Cable	1

Product Technical Specifications

Power Supply& Power

AC100 - 240 V 50 / 60 Hz

Rated current: 7.8A, Rated power input:780W, PF≥0.98.

Light Source

- Light source:12 x 60 watt OSRAM 7-in-1 LED.
- Color: 1Xred、1Xgreen、1Xblue、1Xamber、1Xcyan、2XPC lime.

Effect Configuration

- Independent LED chip&color control.
- Color temperature:continuous adjustment 2500K-8000K.
- Electronic dimmer , 0-100% dimmer,4 choice of many dimming curves, 5 choice of manydimming speed.
- Fast strobe device,speed is 1-25 flash/s .

Fixture Movement

- PAN=540°, 16bit precision adjustment.
- TILT=270°; 16bit precision adjustment.

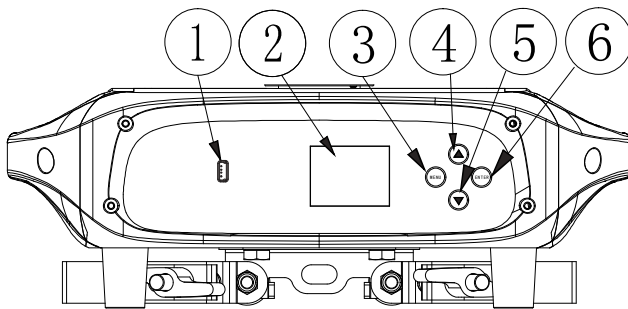
Electronic Control Technology

- Channel : 13Ch(HSIC)/19Ch(PERSON1)/26Ch(PERSON2)/81CH(PIXEL)/16CH(CMY).
- Control Protocols:DMX512,RDM,Art-Net,sACN,wireless function(optional).
- Control Portals: XLR-3+ XLR-5; RJ45 (optional).
- 2.4" LCD color touch screen,Random switch of Chinese and English language, menu available to display 180°reversely.
- Built-in self-recharging battery (optional), edit menu without power supply(optional). ECO mode, auto stand-by and sleep mode.
- Support external power bank to enter the menu to set the address code and other settings.
- Intelligent control, electronic sensors testing, intelligent testing and controlling fan.
- Non-touch magnetic encoder positioning system for pan/tilt.
- Upgrade by signal cable & network cable.
- Bidirectional data transmission, RDM.

Size & Weight

- Fixture size: 424X424X603(mm)
- Flight case size:1040X515X805mm (1 flight case 2)
- Net weight:23.2Kg
- Flight case netweight:39Kg
- IP Rate: IP20

Operation Panel Instruction



Pic5

① Display contents



Address



Manual



Specification



Test



Advanced



Information

Pic6

As shown in pic 5:

1.USB

2.LCD screen

3.Left Direction key(Back)

4.Up Direction key



5.Down Direction key



6.Right Direction key(Confirm)


Panel instruction


- Up Direction key:Select Sub-menu cyclically(upward).Circulate downward to adjust data value.
- Down Direction key: Select Sub-menu cyclically (downward). Circulate downward to adjust data value.
- Left Direction key(Back):Back to menu.
- Right Direction key(Confirm):Confirm the selected data value reselect cyclical data window.

Detailed Operation Table of the Display Panel

Specification 	1.PAN INVERT	OFF,ON	
	2.TILT INVERT	OFF,ON	
	3.PAN TILT SWAP	OFF,ON	
	4.PAN TILT SPEED	Fast,Normal, Low	
	5.PERFORM	LIVE,AOTU,POWER	
	6.BLACKOUT	OFF,ON	
	7.CURVE	CV_1,CV_2,CV_3,CV_4	
	8.DIMMER	DIM0,DIM1,DM2,DIM3,DIM4	
	9.LED PWM	1200Hz,2400Hz,4000Hz, 6000Hz,25000Hz	
	10.FULL POWER CCT	3200K,4200K,5600K,6500K,NORMAL	
	11.XY OFFSET	HIDE, SHOW	
	12.DMX ERROR	SAVE, BLACK	
	13.DISPLAY ON	OFF,ON	
	14.LOAD PARA	N0, YES	
	15.LANGUAGE	ENGLISH, CHINESE	
	16.SETTING	RECOVERY	XXXX
		CLEAN EDIT1	XXXX
		CLEAN EDIT2	XXXX
		DESKTOP HIDE	XXXX
		SRTNET HIDE	XXXX
WDMX HIDE		XXXX	
17.NETWORK	NET SWITCH	XXX.XXX.XXX	
	UNIVERS	XXX	
	IP MODE	DEFAULT IP,CUSTOM IP	
18.PT ENCODER	OFF,ON		
Exit			
Manual 	1.AUTO TEST		
	2.Channel	1.PAN	000~255
		2.TILT	000~255
		3.RED	000~255
		4.GREEN	000~255
		5.BLUE	000~255
		6.AMBER	000~255
		7.LIME	000~255
		8.CYAN	000~255
		9.DIMMER	000~255
		10.STROBE	000~255
		11.ZOOM	000~255

	3.RESET	ALL RESET		
		PT RESET		
	4.DEBUG HIDE	NO		
		YES		
	Exit			
Address 	1.ADDRESS	001~512		
	2.PERSON	HSIC(13CH)		
		PERSON1(19CH)		
		PERSON2(26CH)		
		PIXEL(81CH)		
		CMY(16CH)		
	3.RUNMODE	DMX512,ARTNET , ARTNET TO DMX,Sacn,AUTO,CUSTOM1,CUSTOM2(Optional)		
4.USB				
Exit				
Information 	1.FIXTURE HOURS			
	2.LAMP USE HOURS			
	3.VERSION	DISPLAY		XXXX
		XY DRV		XXXX
		LED1 DRV		XXXX
		LED2 DRV		XXXX
		LED3 DRV		XXXX
	4.TEMPERATURE	DISPLAY		XXXX
		XY DRV		XXXX
		LED1 DRV		XXXX
		LED2 DRV		XXXX
		LED3 DRV		XXXX
	5.FAN SPEED	DISPLAY		XXXX
		XY DRV		XXXX
		LED1 DRV		XXXX
		LED2 DRV		XXXX
		LED3 DRV		XXXX
	6.DMX VALUE	PAN		XXX
		TILT		XXX
		RED		XXX
		GREEN		XXX
BLUE			XXX	
AMBER			XXX	

		LIME	XXX	
		CYAN	XXX	
		DIMMER	XXX	
		STROBE	XXX	
		ZOOM	XXX	
	7.NETWORK	IP ADDR	XXX.XXX.XXX.XXX	
		NET MASK	XXX.XXX.XXX.XXX	
		MAC ADDR	XX.XX.XX.XX	
		UNIVERS	XX	
	8.SYSTEM ERROR	MEMORY IC	XX	
		LIS3DH_Angle	XX	
		PAN SENSOR	XX	
		PAN SENCODER	XX	
		PAN DRIVE IC	XX	
		TILY SENSOR	XX	
		TILT SENCODER	XX	
		TILT DRIVE IC	XX	
		TEMPERATURE	XX	
	18.EXIT			
<p>Adcanced</p> 	1.PAN	-127~+127		
	2.TILT	-127~+127		
	3.CCT	1800K		
		2200K		
		2700K		
		3000K		
		3200K		
		3500K		
		4000K		
		4200K		
		4500K		
		5600K		
		6000K		
		6500K		
	7200K			
	8000K			
	4.PRESET COLOR	L106		
		R05		
		L194		

		R54	
		L019	
		R08	
		R89	
		R86	
		L213	
		R377	
		R80	
		L202	
		L328	
		R3314	
		L101	
		L768	
	5.UC SET	RED	000~255
		GREEN	000~255
		BLUE	000~255
		AMBER	000~255
		LIME	000~255
		CYAN	000~255
	6.Rest Fixture Time	XXXX	
	7.Rest LED Time	XXXX	
	8.EXIT		
Test 	1.EDIT1	STEP 1~STEP30	
	1.EDIT2	STEP 1~STEP30	

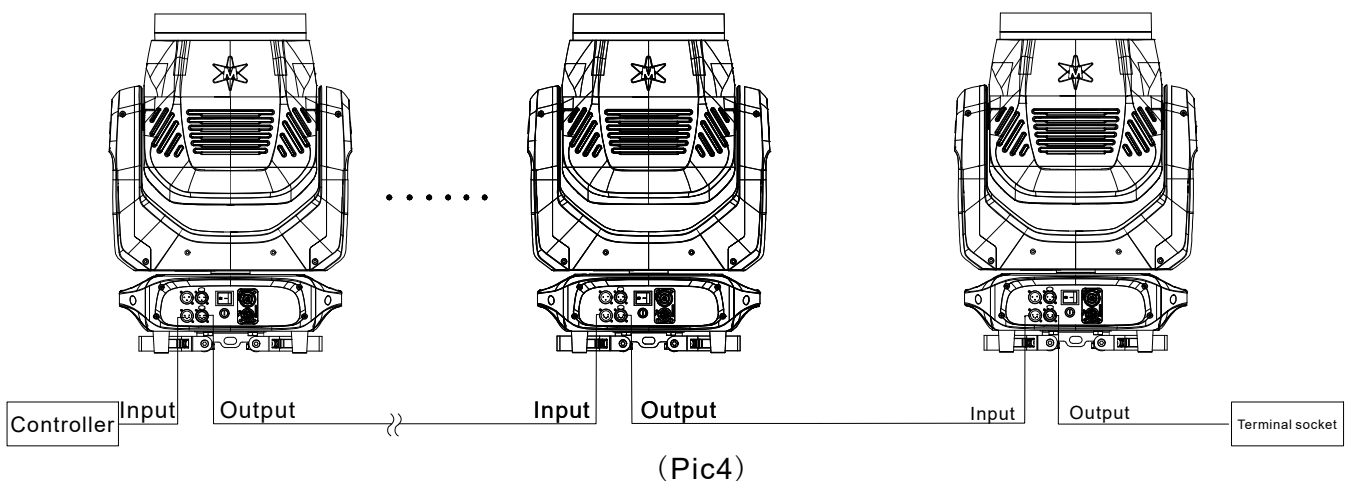
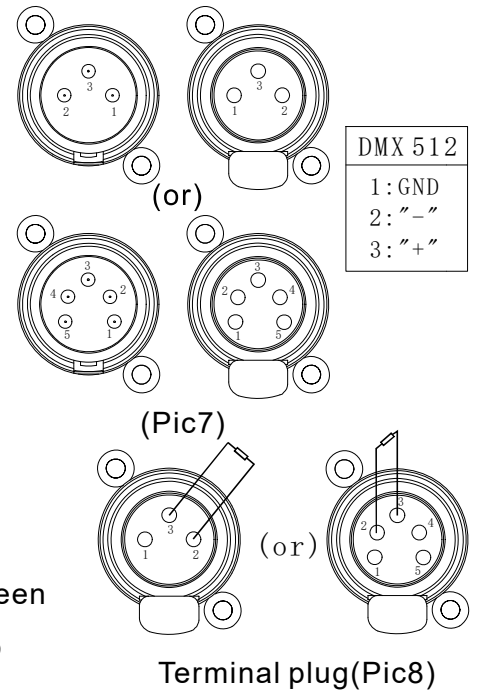
Signal connection

The fixture adopts 3pin/5pin socket to control DMX input and output, Pin1 is connected to grounded, Pin2 is connected to"-", Pin3 is connected to"+"(Pic7).

Please adopt professional DMX512 STP signal cable, usually its effective range is within 150m. When long distance signal transmission is required, please add DMX 512 signal amplifier.

To avoid the signal reflection during the transmission, please add a terminal which is 120Ω 1/4W resistance between DMX output pin2 and pin 3 of the last fixture. Plug the pin to the DMX output connector of the last fixture. (Pic8)

Connect the fixture from the DMX output of controller to DMX input of the first fixture, and then connect the first fixture's DMX output to the second fixture's DMX input and so on, until all fixtures are being connected. Then please install a terminal plug in DMX output of the last fixture. (Pic 8) The method of connection as show bellow. (Pic 9)



- Notice:
- Don't use multi- output connector for connecting separately, It must connect the branch with DMX512 signal amplifier to separate them if it is required.
 - Standard amplifier cable is not reliable for long-distance data transmission; Please adopt professional DMX 512 STP signal cable.
 - The signal of the fixture only has one input and one output. Two input/output for each fixture are not available.

Power connection

Input voltage and frequency must be identical to the voltage and frequency marked on the fixture. When many fixtures are working at the same time, it is strongly recommended to control each fixture on/off individually.

Connection type

	Live or L	Neutral or N	Earth, Ground or ⊕
US system	Black	White	Green
EU system	Brown	Blue	Yellow/green

Notice:

- When connect power supply, please make sure the E line (yellow & green.) is properly connected. And it is corresponded with the relative electrical installation standards.
- Insulation class between LV power supply and controlling conductor: I
- Please confirm the voltage of the power supply is corresponded to the voltage on the fixture's identifications before professionals install it. Please also make sure it has overload or leakage protection.
- If the external cable is damaged, don't change it by yourself, please contact the manufacture/local as soon as possible.
- AC220V: Lighting fixture connection not surpass 3 units(2.5mm²).
- AC110V: Lighting fixture connection not surpass 2 units(12AWG).

Installation instruction & requirement

The user need to arrange regular safety inspection for the fixtures and parts that are connected to the fixture. Please have professionals to operate if operating conditions and professional instructions are insufficient. Incorrect installation by non-professionals may leading to property loss or life danger.

Make sure there is no damage to rigging and clamps and they can bear at least 6 times weight of the fixture. Check if the truss or pipe construction can bear at least 6 times total weight of all equipment, like clamps, cables and other accessories.

G-clamp Installation

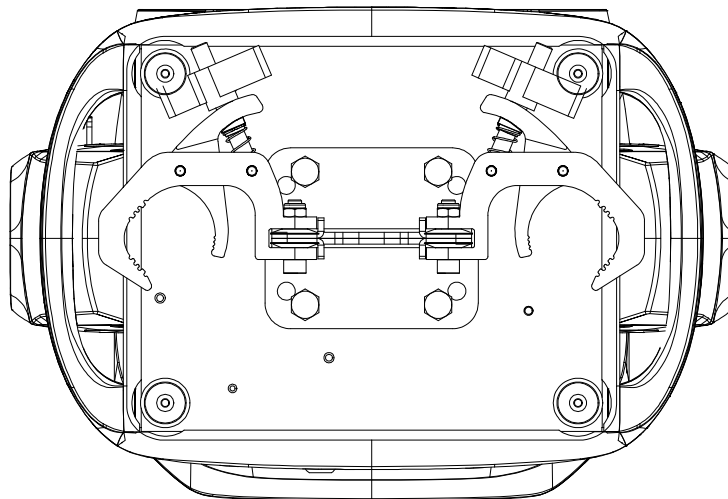
The fixture comes with the G-clamp(Pic10)

Fixture Installation

Fixture is installed on the stage or truss, and the G-clamp can be locked on the truss tightly and quickly. (Pic 11)

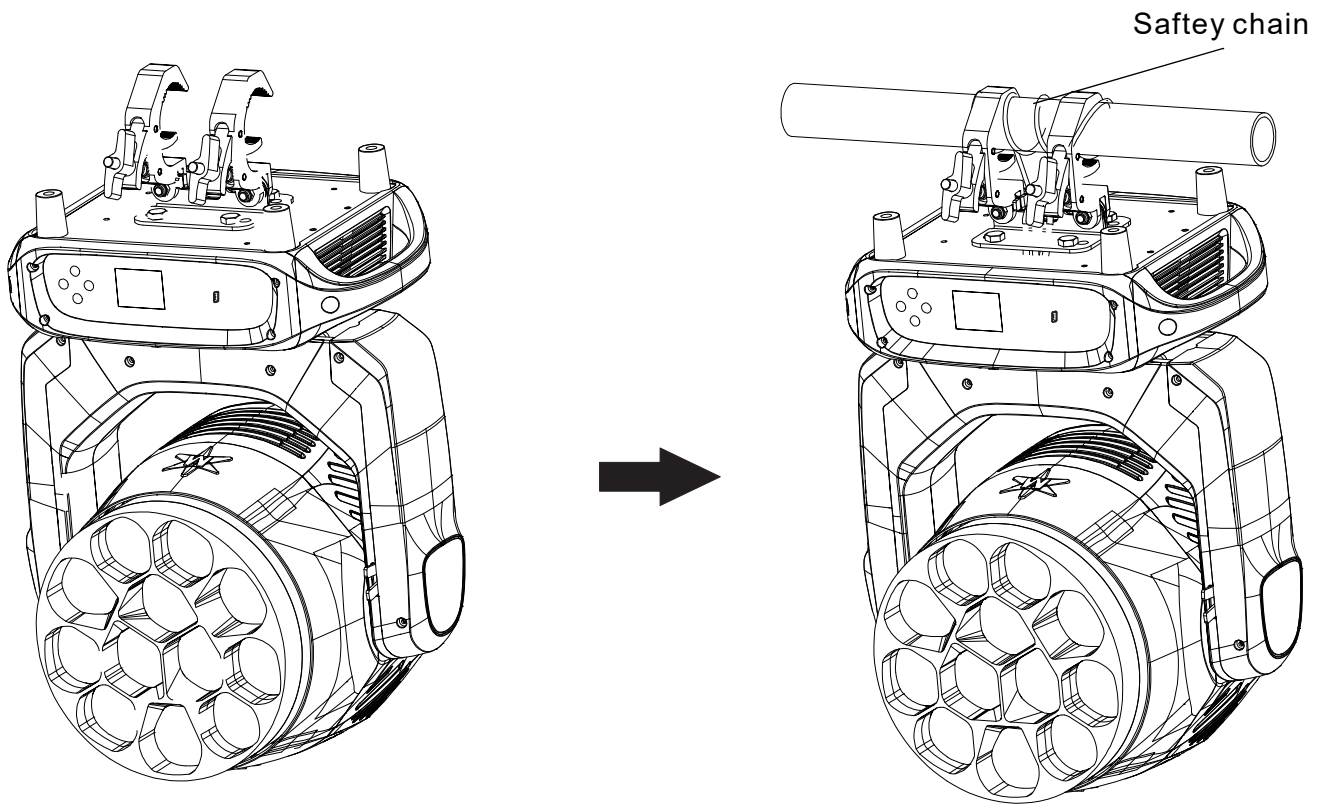
Notice:

- User must check if the G-clamp and safety chain are damaged or not.
- The fixture must be fixed by 2 G-clamps, clockwise turning them to fast-lock tightly, and adding a safety chain to connect the hole in the base, don't connect it to the handle.
- Please unlock the lock of pan/tilt before power on.
- Side hanging for long time is not recommended.



Horizontal direction

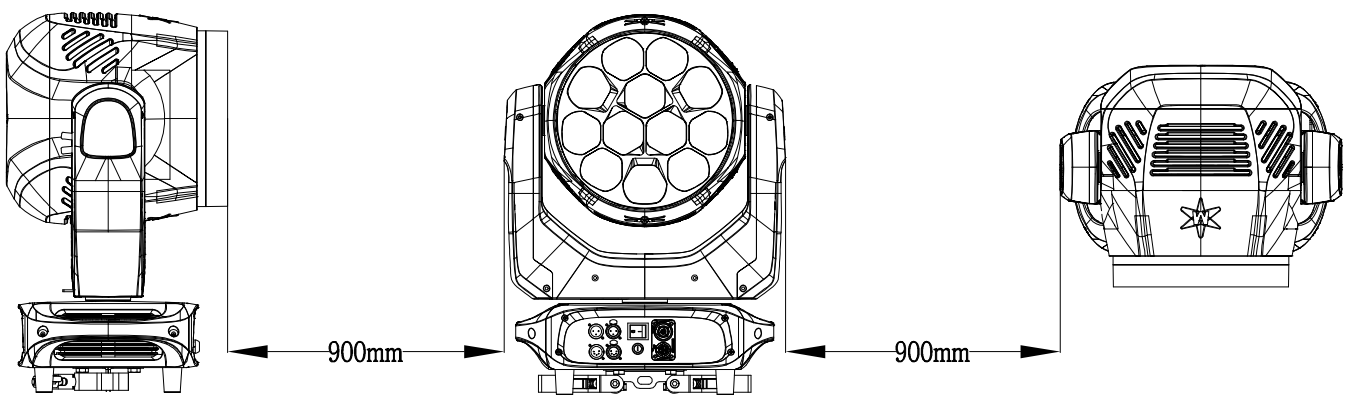
Pic5



Pic6

Fixture Placement

When place the fixture, please check there is no inflammable object or inflammable material around the fixture. Then place the fixture vertically upward. The shortest safety distance for adjacent fixtures is ≥ 0.9 m when they are working. Fixtures installation show as follow(pic 12).



Pic7

DMX Channel Sheet (Brief)

HSI (CH13)	Channel properties	CMY (CH16)	Channel properties	Personalized Mode1 (CH19)	Channel properties	Personalized Mode1 (CH26)	Channel properties	Point Control Mode (CH26)	Channel properties
CH.1	Pan	CH.1	Pan	CH.1	Pan	CH.1	Pan	CH.1	Pan
CH.2	Pan fine	CH.2	Pan fine	CH.2	Pan fine	CH.2	Pan fine	CH.2	Pan fine
CH.3	Tilt	CH.3	Tilt	CH.3	Tilt	CH.3	Tilt	CH.3	Tilt
CH.4	Tilt fine	CH.4	Tilt fine	CH.4	Tilt fine	CH.4	Tilt fine	CH.4	Tilt fine
CH.5	Pan Tilt speed	CH.5	Pan Tilt speed	CH.5	Pan Tilt speed	CH.5	Pan Tilt speed	CH.5	Pan Tilt speed
CH.6	Brightness	CH.6	Cyan	CH.6	Red	CH.6	Red	CH.6	Zooming
CH.7	Color tone	CH.7	Magenta	CH.7	Green	CH.7	Red fine	CH.7	Control
CH.8	Color tone fine	CH.8	Yellow	CH.8	Blue	CH.8	Green	CH.8	Dimmer
CH.9	Saturation	CH.9	Dimmer	CH.9	Amber	CH.9	Green fine	CH.9	Strobe
CH.10	Color macro	CH.10	Strobe	CH.10	Cyan	CH.10	Blue	CH.10	Red 1
CH.11	Strobe	CH.11	Color macro	CH.11	Green-Yellow	CH.11	Blue fine	CH.11	Green 1
CH.12	Zooming	CH.12	Color Temperature	CH.12	Dimmer	CH.12	Amber	CH.12	Blue 1
CH.13	Control	CH.13	Macro effect	CH.13	Strobe	CH.13	Amber fine	CH.13	Amber 1
		CH.14	Macro effect speed	CH.14	Color macro	CH.14	Cyan	CH.14	Cyan1
		CH.15	Zooming	CH.15	Color Temperature	CH.15	Cyan fine	CH.15	Green-Yellow 1
		CH.16	Control	CH.16	Macro effect	CH.16	Green-Yellow	.	.
				CH.17	Macro effect speed	CH.17	Green-Yellow fine	.	.
				CH.18	Zooming	CH.18	Dimmer	.	.
				CH.19	Control	CH.19	Dimmer fine	CH.76	Red12
						CH.20	Strobe	CH.77	Green12
						CH.21	Color macro	CH.78	Bule12
						CH.22	Color Temperature	CH.79	Amber12
						CH.23	Macro effect	CH.80	Cyan12
						CH.24	Macro effect speed	CH.81	Green-Yellow12
						CH.25	Zooming		
						CH.26	Control		

DMX Specific Channel Sheet

HSI (Ch13)	CMY (Ch19)	Persona lized Mode (Ch26)	Persona lized Mode (Ch16)	Point Control Mode (Ch81)	Channel properties	Channel Value	
CH.1	CH.1	CH.1	CH.1	CH.1	Pan	0-255	
CH.2	CH.2	CH.2	CH.2	CH.2	Pan fine	0-65535	
CH.3	CH.3	CH.3	CH.3	CH.3	Tilt	0-255	
CH.4	CH.4	CH.4	CH.4	CH.4	Tilt fine	0-65535	
CH.5	CH.5	CH.5	CH.5	CH.5	Pan Tilt speed	0-255	
CH.6	—	—	—	—	Brightness	0-255	
CH.7	—	—	—	—	Color Tone	0-255	
CH.8	—	—	—	—	Color Tone fine	0-65535	
CH.9	—	—	—	—	Saturation	0-255	
—	—	—	CH.6	—	Cyan	0-255	
—	—	—	CH.7	—	Magenta	0-255	
—	—	—	CH.8	—	Yellow	0-255	
—	CH.6	CH.6	—	—	Red	0-255	
—	—	CH.7	—	—	Red fine	0-65535	
—	CH.7	CH.8	—	—	Green	0-255	
—	—	CH.9	—	—	Green fine	0-65535	
—	CH.8	CH.10	—	—	Blue	0-255	
—	—	CH.11	—	—	Blue fine	0-65535	
—	CH.9	CH.12	—	—	Amber	0-255	
—	—	CH.13	—	—	Amber fine	0-65535	
—	CH.10	CH.14	—	—	Cyan	0-255	
—	—	CH.15	—	—	Cyan fine	0-65535	
—	CH.11	CH.16	—	—	Green-yellow	0-255	
—	—	CH.17	—	—	Green-yellow fine	0-65535	
—	CH.12	CH.18	CH.9	CH.8	Dimmer	0-255	
—	—	CH.19	—	—	Dimmer fine	0-65535	
CH.11	CH.13	CH.20	CH.10	CH.9	Strobe	0-9	Null
						10-99	Strobe from slow to fast (0-25HZ)
						100-109	Null
						110-179	Flashing strobe from slow to fast
						180-189	Null
190-255	Random strobe from slow to fast						
CH.12	CH.18	CH.25	CH.15	CH.6	Zooming	0-255	
—	—	—	CH.9	—	Zooming fine	0-65535	
CH.10	CH.11	CH.14	CH.19	—	Color Macro	0-10	Null
						11-17	red 100%/ green go up / blue 0%
						18-24	red up / green 100%/ blue 0%
						25-31	red 0%/ green 100%/ blue go up
						32-38	red 0%/ green go down/ blue 100%
						39-45	red go up / green 0%/ blue 100%

						46-52	red 100%/green 0%/blue go down
						53-59	red 100%/green go up/blue go up
						60-66	red go down/green go down/blue 100%
						67-79	LED full output
						80-86	2500K
						87-93	2700K
						94-100	3200K
						101-107	4200K
						108-114	5600K
						115-121	6500K
						122-128	8000K
						129-135	L106
						136-142	R05
						143-149	L194
						150-156	R54
						157-163	L019
						164-170	R08
						171-177	R89
						178-184	R86
						185-191	L213
						192-198	R377
						199-205	R80
						206-212	L202
						213-219	L328
						220-216	R3314
						227-233	L101
						234-240	L768
						241-255	full light
						0-9	null
—	CH.15	CH.22	CH.12	—	Color Temperature	10-219	2500K-8000K linearity control movement/change
						220-255	full light
						0-9	null
						10-12	1
						13-15	2
						16-18	3
						19-21	4
						20-24	5
						25-27	6
						28-30	7
						31-33	8
						34-36	9
						37-39	10
						40-42	11
						43-45	12
—	CH.16	CH.23	CH.13	—	Macro effects		


						46-49	1,2,3
						50-53	5,8,11
						54-57	6,7,8,9,4,12
						58-61	4,5,6
						62-65	7,8,9
						66-69	10,11,12
						70-73	4,5,6,7,8,9,10,11,12
						74-77	1,2,3,6,7,10,12
						78-81	1,2,3,4,6,8,10
						82-85	1,2,3,4,7,9,12
						89	1-2-3
						93	1-3-2
						97	4-5-6-7-8-9-10-11-12
						101	12-11-10-9-8-7-6-5-4
						105	1-2-3-4-5-6-7-8-9-10-11-12
						109	12-11-10-9-8-7-6-5-4-3-2-1
						113	(1-2-3)+(12-11-10-9-8-7-6-5-4)
						117	(1-3-2)+(4-5-6-7-8-9-10-11-12)
						121	4,5-6,7-8,9-10,11-12,4-5,6-7,8-9,10-11,12
						125	1,2,3-4,5,6,7,8,9,10,11,12
						129	1,6,7-2,9,10-3,4,12-8-11-5
						133	Redas the basecolor for the inner ring , 2700K Color temperature point running in sequence of 1-2-3
						137	Orangeas the base color for the inner ring , 2700K Color temperature point running in sequenceof 1-2-3
						141	Yellow as the base color for the inner ring , 2700K Color temperature point running in sequenceof 1-2-3
						145	Green as the base color for the inner ring , 2700K Color temperature point running in sequenceof 1-2-3
						149	Cyanas the basecolor for the inner ring , 2700K Color temperature point running in sequence of 1-2-3
						153	Blue as the basecolor for the inner ring ,2700K Color temperature point running in sequence of 1-2-3
						157	Purple as the base color for the inner ring , 2700K Color temperature point running in sequenceof 1-2-3
						161	Redas the basecolor for the inner ring , 5600K Color temperature point running in sequence of 1-2-3
						165	Orangeas the base color for the inner ring , 5600K Color temperature point running in sequenceof 1-2-3
						169	Yellow as the base color for the inner ring , 5600K Color temperature point running in sequenceof 1-2-3
						173	Green as the base color for the inner ring , 5600K Color temperature point running in sequenceof 1-2-3

						177	Cyan as the base color for the inner ring , 5600K Color temperature point running in sequence of 1-2-3
						181	Blue as the base color for the inner ring , 5600K Color temperature point running in sequence of 1-2-3
						185	Purple as the base color for the inner ring , 5600K Color temperature point running in sequence of 1-2-3
						189	Red as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						193	Orange as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						197	Yellow as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						201	Green as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						205	Cyan as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						209	Blue as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						213	Purple as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						217	Red as the base color for the inner ring , 5600K Color temperature point running in sequence of 4-12
						221	Orange as the base color for the inner ring , 5600K Color temperature point running in sequence of 4-12
						225	Yellow as the base color for the inner ring , 5600K Color temperature point running in sequence of 4-12
						229	Green as the base color for the inner ring , 5600K Color temperature point running in sequence of 4-12
						233	Cyan as the base color for the inner ring , 5600K Color temperature point running in sequence of 4-12
						237	Blue as the base color for the inner ring , 5600K Color temperature point running in sequence of 4-12
						241	Purple as the base color for the inner ring , 2700K Color temperature point running in sequence of 4-12
						245	Red as the base color for the inner ring , Blue as the base color of the outer ring , 5600K Color temperature point running in sequence of 1-12
						249	Green as the base color for the inner ring , Red as the base color of the outer ring , 5600K Color temperature point running in sequence of 1-12
						255	Blue as the base color for the inner ring , Yellow as the base color of the outer ring , 5600K Color temperature point running in sequence of 1-12

—	CH.17	CH.24	CH.14	—	Macro effects Speed	0-255	Macro effects Speedfrom slow to fast
CH.13	CH.19	CH.26	CH.16	CH.7	Control	0-9	Null
						10-19	Pan/tilt moving shutter on
						20-29	Pan/tilt moving shutter off
						30-39	Pan reverse
						40-49	Tilt reverse
						50-59	Pan/tilt reverse off
						60-69	Mute
						70-79	Full power
						80-89	Auto
						90-99	Pan Tilt reset
						100-109	Reset all
						110-119	Null
						120-129	Off
						130-139	Dimmingcurve 1
						140-149	Dimmingcurve 2
						150-159	Dimmingcurve 3
160-169	Dimmingcurve 4						
170-255	Null						
—	—	—	—	CH.10	Red 1	0-255	Red 1
—	—	—	—	CH.11	Green 1	0-255	Green 1
—	—	—	—	CH.12	Blue 1	0-255	Blue 1
—	—	—	—	CH.13	Amber1	0-255	Amber 1
—	—	—	—	CH.14	Cyan1	.	.
—	—	—	—	CH.15	Green -yellow1	.	.
—	—	—	—	—	.	.	.
—	—	—	—	—	.	.	.
—	—	—	—	—	.	.	.
—	—	—	—	CH.76	Red 12	0-255	Red 12
—	—	—	—	CH.77	Green 12	0-255	Green 12
—	—	—	—	CH.78	Blue 12	0-255	Blue 12
—	—	—	—	CH.79	Amber12	0-255	Amber12
—	—	—	—	CH.80	Cyan12	0-255	Cyan12
—	—	—	—	CH.81	Green -yellow12	0-255	Green -yellow12

Maintenance & cleaning of the fixture

The fixture needs to be maintained and cleaned daily, because its lifespan depends on working environment and daily maintenance. Please contact our company engineer for any questions and feedback which are out of this user manual to our professional engineer.

Notes as bellow: 

- The power supply must be cut off before open the shell.
- Please open the shell after the fixture cooled completely
- Cleaning the optics components gently to avoid scratching the surface coating, To avoid damaging plastic and scratching the surface coating, Please don't use any harmful liquid or hard objects.
- Wiping the particulate Matter with tasteless tissue-paper or cotton cloth with clean, distilled water. Don't wipe the surface, but blow away floating things with pressure gas, any residues must be cleaned with distilled water from center to edge, and then dry it with soft cotton cloth.
- Please change the lens in time when it cracks or has other damages
- It is out of warranty any damage caused by fan with overmuch dust, smoke fluidity and abnormal using fixture.
- There is temperature protection device of the fixture, when the temperature is too high the LED module will be off automatically. When this happens, please check if the fan is working well or not. Plus, checking if the fan filter is blocked by dust. Please only reset the fixture after the qualified professional technicians finish troubleshooting.
- Weekly cleaning and maintenance for the fan filters and lens is recommended. Please do a complete maintenance half a year.

Troubleshooting

The following are some problems in process of operation, and there are some suggestions for troubleshooting:

Fixture doesn't response, when power on

- Check if power input is normal.
- Check if power switch is on.
- Check if fuse is burned.

Console losing control:

- Check if the display is flicker, if yes, check if DMX signal connector and signal cable are connected well.
- If the display is not flickering, but the fixture is still have no response to the control channel instructions, please check if IP address is correctly set.
- If DMX signal is not stable, please check XLR socket and signal cable are connected well.
- Change another console for testing.

channel failure:

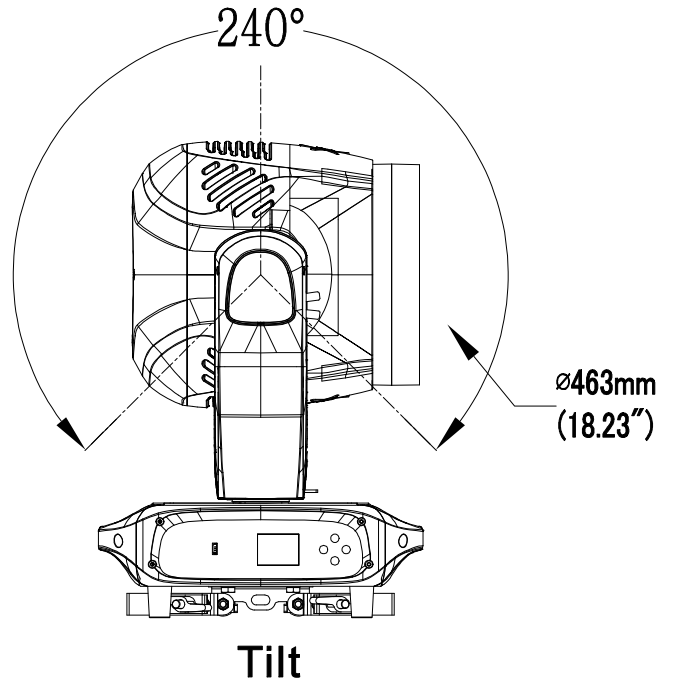
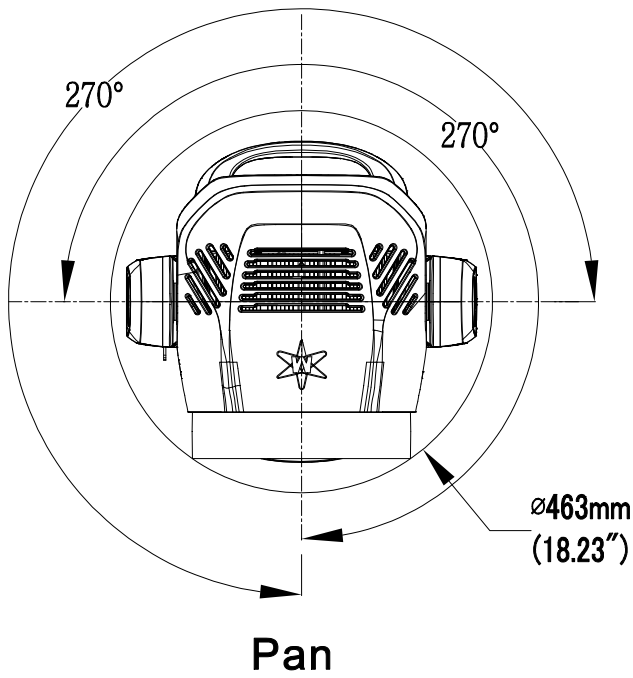
- Step motor or motor leading wire Maybe damaged.
- Drive circuit of motor may be damaged.

Lamp blinking:

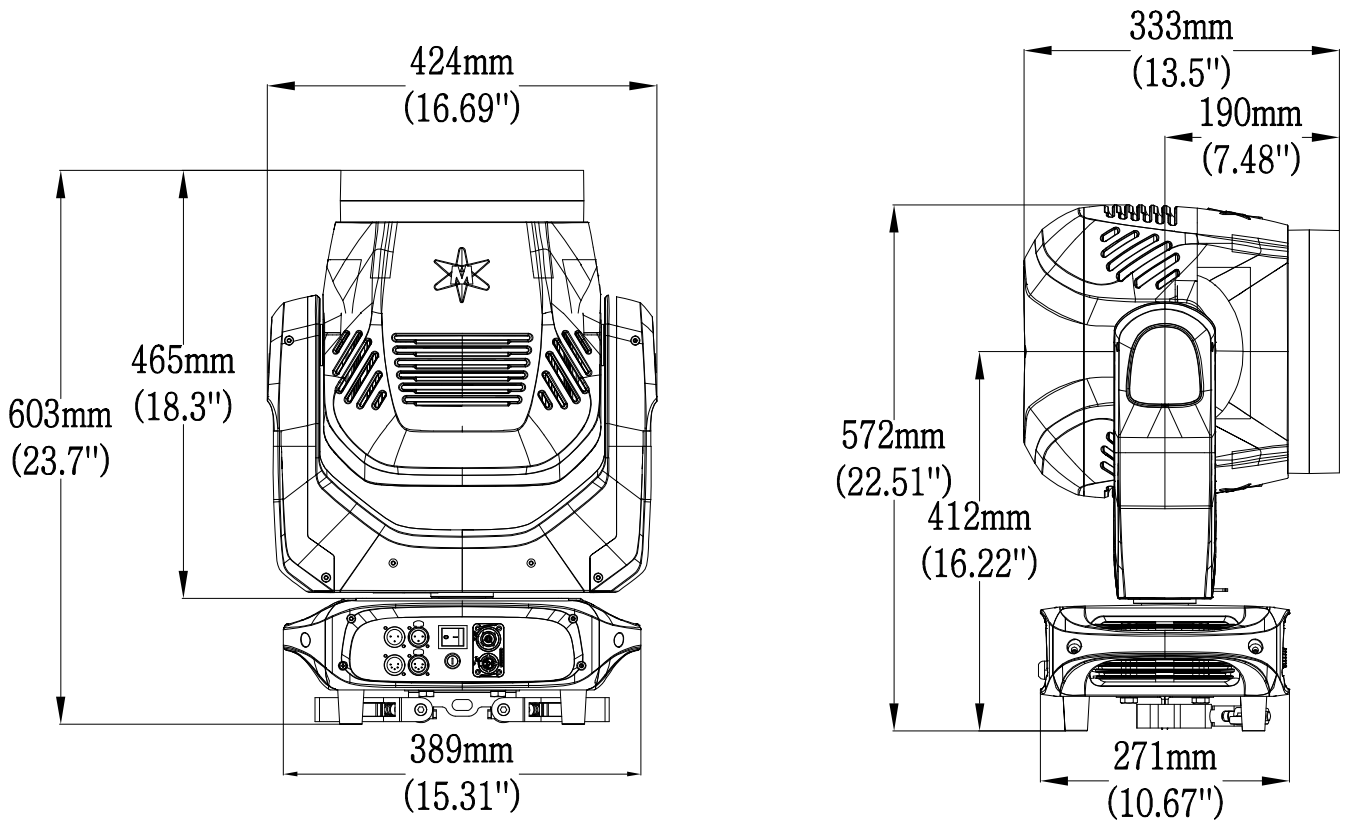
- Check if the voltage is too high or too low, when the lamp is abnormal lighting.
- It is necessary to change the fan if the inner temperature is too high.

Attachment 1: Angle range and the measurement figure of the fixture

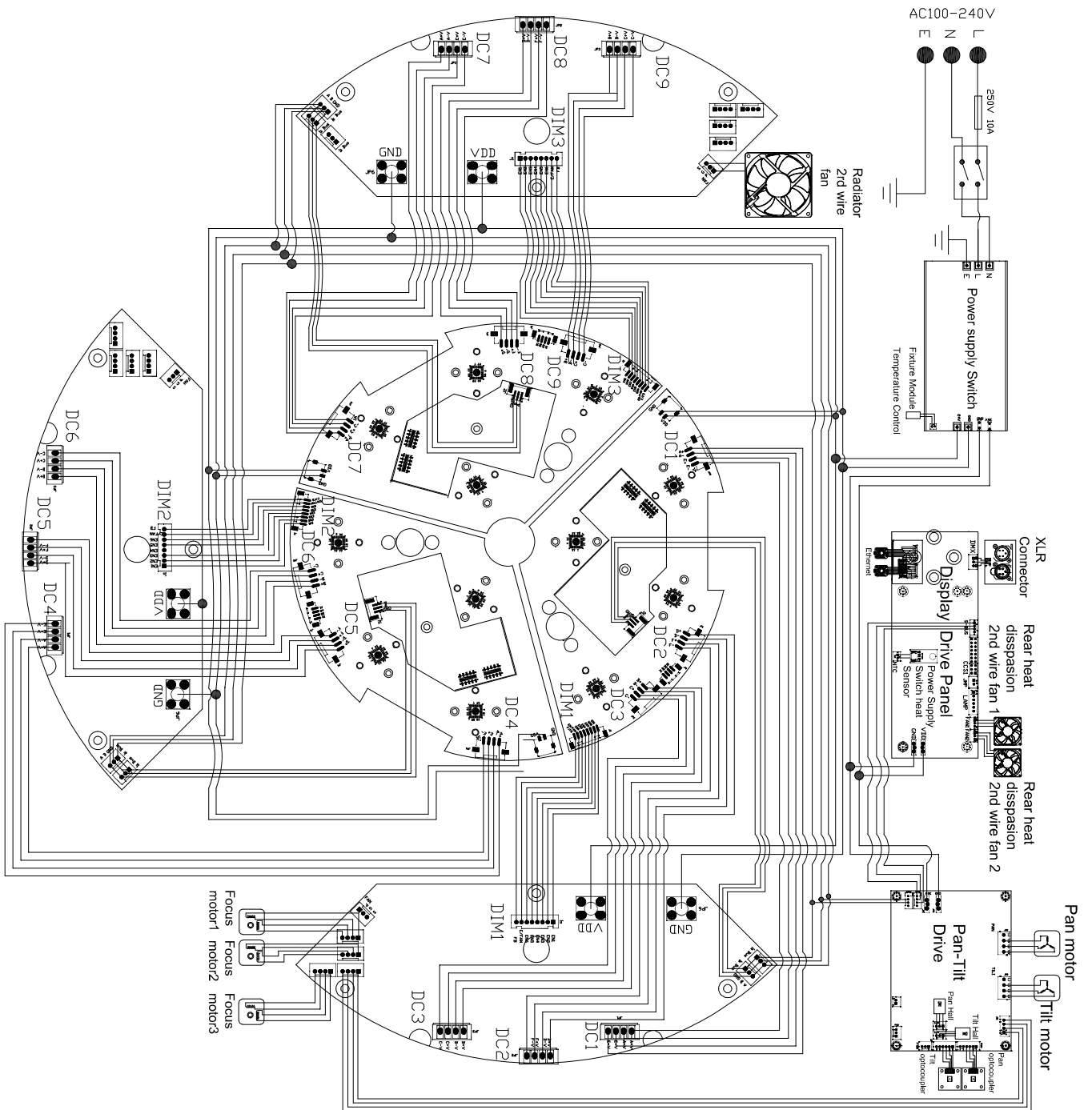
● **Angle range of the fixture**



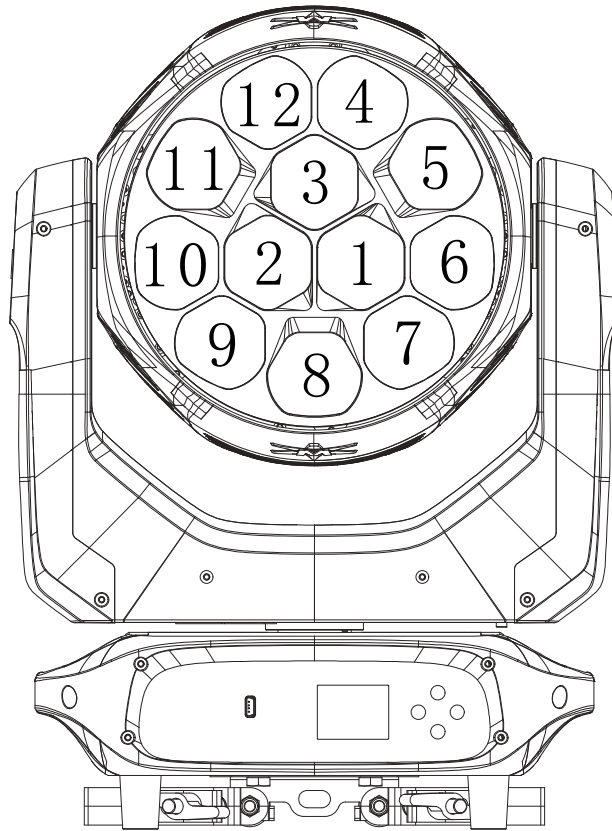
● **Outline and Installation Size**



Attachment 2: Electrical Diagram



Attachment 3: LED Chips Arrange



Pan = 128 DMX Tilt = 225 DMX



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