DLW

Product Manual

DLW L600C6P IP

Guangzhou DLW 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!


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!


Warning! Fire hazard.


Do not stare at the operating light source

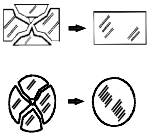

Do not interfere with the track of the operating fixture

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 protection level rate is IP66.
- 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 0.5 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: ta = 40℃.
- The safe/shortest distance to the illuminate object:5m.
- when the fixture working stably, the maximum surface temperature: tc =75°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 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 inflight case,then close the lid and lock the flight case.Please don't put it upside down.

Transport protection lock

- Protective locks for 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 from the case carefully.
- Unlock the protective lock before power on the fixture.

Notice: Please check the complete packge 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
Safety Chain	1
Signal Cable	1
Power Cable	1

Product Introduction Specifications

Electrical parameters

AC100 - 240V 50 / 60 Hz

Input Power:700W rated electrical current:7A, PF≥0.98

Light Source parameters

- Light source: 500W RGBACL Multi-Spectral LED module.
- Color Rendering Index:Ra＞95, R9＞95
- LED life expectancy :20000 hours.

Optics parameters

- Frontal Lens:High definition optical lens with anti-reflection coating.
- Zoom range: 6°~42°

Effect configuration

- 2 prisms(3-facet linear+4 facet circle),with linear zoom and focused,can be overlaying or independent rotating in both directions.
- One frost filter with linear zoom and focused.
- 0-100% electronic dimmer control,4 choice of dimming curves , 4 choise of dimming speeds.
- Electronic strobe 1-25Hz,with multiple strobe options.
- High speed electric iris 5-100% linear adjustable,built-in macro with multiple effect variation.

Fixture movement

- PAN=540°, 16bit.
- TILT=270°, 16 bit.

Electronic Control

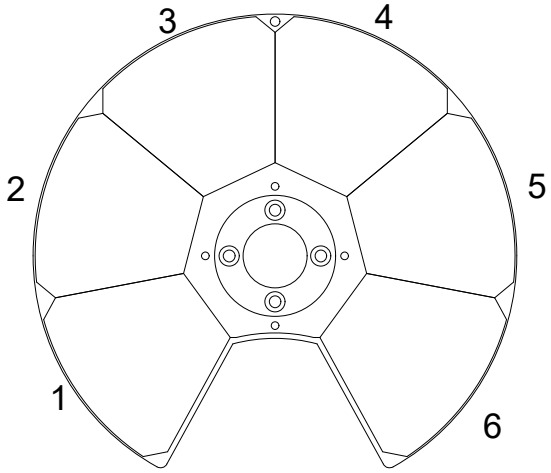
- DMX Channel:43Ch/38Ch/63Ch.
- Control Protocols:DMX512,RDM,(optional:Art-Net,sACN,wireless function).
- Control Portals: XLR-3+ XLR-5; (optional Ethernet port:RJ45 In/Out).
- Menu screen: 2.4'' LCD ; menu display can be 180° reversed.
- Electronic sensing detector&intelligent fans monitor,control temperature.
- Power Portals:Waterproof Lockong Power In/Out.
- Supports energy saving mode(standby hiberbation function).
- Non-touching magenetic encode position system for pan/tilt.

Framing System

- One framing shutters system,4Xindividually controllable blades,the complete framing. graphics can be ±360° infinite rotating and precise positioning,without distortion.

Color System

- RGBACL colour mixing.
- Pre-programmed virtual CMY.
- Pre-programmed virtual CTO,linear adjustable 1800-10000K.
- Pre-programmed color macro.
- One color wheel with 6 color filters+open,rotating in both directions with variable speed.

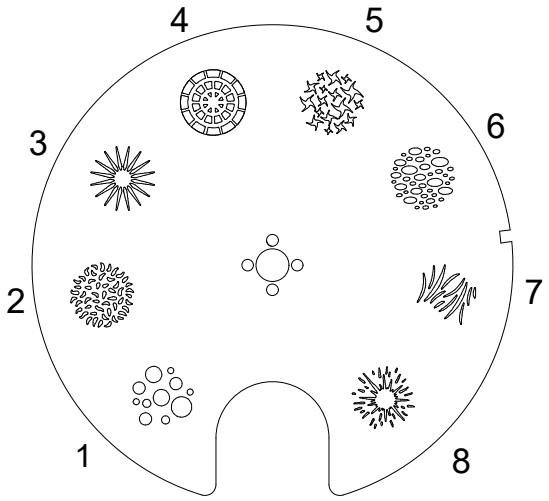


1.Deep Red
2.Green
3.Deep Blue
4.Purple
5.Orange
6.Pink

Pic1

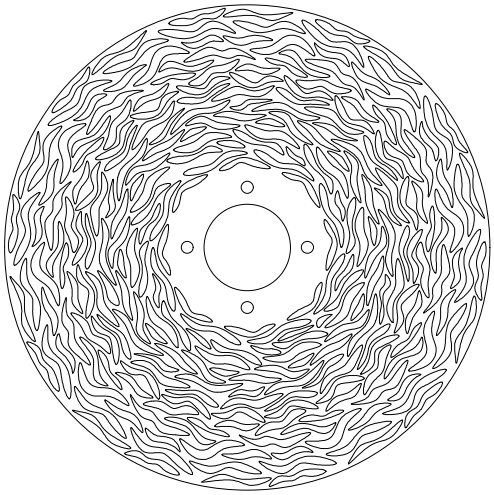
Gobo System

- One static gobo wheel with 8 gobos,can create scrolling,shaking effects.(Pic2)



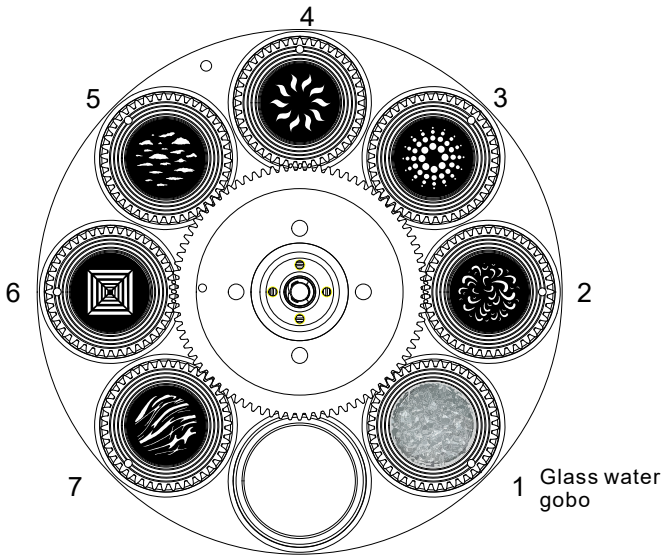
Pic2

- One animation wheel can create dynamic clouds.fire and water flowing effects.



Pic3

- One rotating gobo wheel with 7 gobos, can be indexing and bi-directional rotating, making effects of self-rotation,scrolling and shaking. precise control at 16bit.



Pic4

Gobo Specifications

- The gobo plates are made from glass, it can be customized according to user needs.

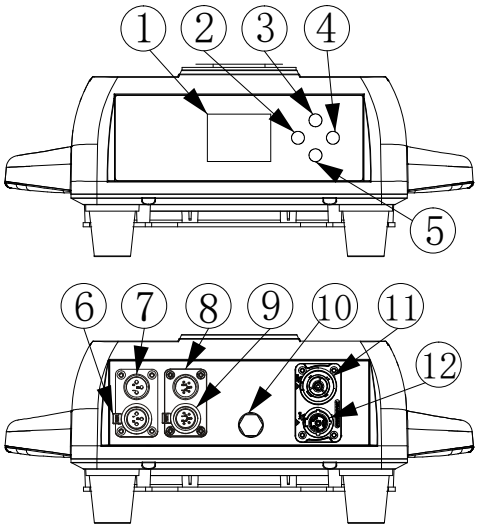
The size for customized gobo plates:

Material	Outer diameter	Effective Diameter	Thickness
Glass Gobo	∅22.8mm	∅ 18mm	1.1mm
Glass water gobo	∅22.5mm	∅ 20mm	3.5mm
Gobo plates adopt high temperature glass(or high temperature metal)			

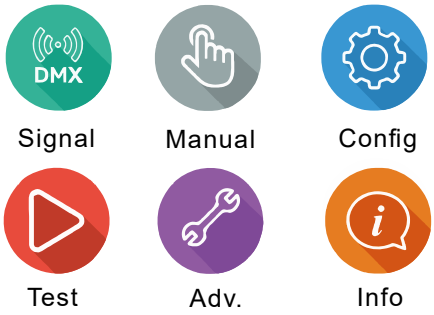
Fixture Size& Weight:

- Fixture size:389X389X697mm
- Net weight:29Kg
- Minimum and maximum ambient temperature:-20℃～40℃
- IP Grade:IP66

Operation Panel Instruction



Pic5



Pic6

As shown in pic 5:

1.LCD display 2.Menu(Return) 3.Up 4.Enter 5.Down

6.3-XLR DMX Output 7.3-XLR DMX Input 8.5-XLR DMX Input 9.5-XLR DMX Output

10.Air valve 11.Power Output 12.Power Input

(Optional 1: 6.5-XLR DMX Output 7.5-XLR DMX Input 8.Ethernet Input 9.Ethernet Output)
(Optional 2: 6.3-XLR DMX Output 7.3-XLR DMX Input 8.Ethernet Input 9.Ethernet Output)
(Optional 3: 6.3-XLR DMX Output 7.3-XLR DMX Input 8.Optional 9.Optional)
(Optional 4: 6.5-XLR DMX Output 7.5-XLR DMX Input 8.Optional 9.Optional)

Panel Instructions

- 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。

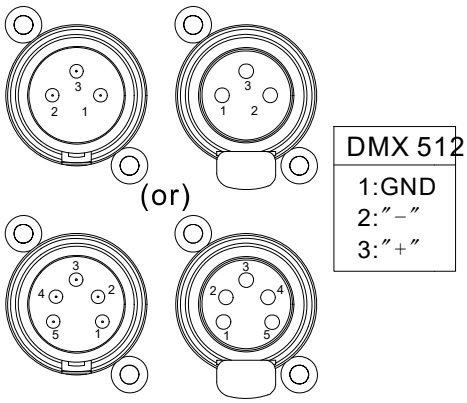
Detailed Operation Table of Display panel

Signal 	Dmx Address	001-512	
	Ch.Mode		XXCH,XXCH, XXCH
	Run Mode		DMX,ArtNet
	Net Setting	IP Address	
		IP Addr0	000-255
		IP Addr1	000-255
		IP Addr2	000-255
		IP Addr3	000-255
		Net Mask	
		Net Mask0	000-255
		Net Mask1	000-255
		Net Mask2	000-255
		Net Mask3	000-255
		Universe	000-255
	No Signal St.		DataHold,BlackOut
Manual 	Ch. Ctrl		
		.....	.....
		.....	.....
		.....	.....
	Fix. Rst		Off/Run
Config 	Pan Reverse		Close/Open
	Tilt Reverse		Close/Open
	Lost Correct		Open/Close
	PT Speed		Fast/Normal
	Dim. Curve		Parabola/S-Curve/Inv.Parab/Linear
	Dim. Freq		1.2KHz，6KHz，12KHz，24KHz
	Dim. Speed		Speed1/Speed2/Speed3/Speed4
	SCN Mode		Theatre/Silent/Auto/Full
	Disp Off		60s/Always
	Disp Flip		Close/Open
	Disp Lang.		ENG
	Sleep Mode		Close/Open
	Key Baklight		000-015
	key Lock		Open/Close
Test 	Fixture Demo		
			Stop
			SingleRun
			CycleRun

Adv. 	MAINT Password		000-255
	Bright Time Rst		Off/Run
	Load Facto		Off/Run
	Calibration		
		.....	.....
	Restore Opt		
		Clear All Offset	Off/Run
		ToT Time Rst	Off/Run
		Panel Inqur.	xxxxxxxx
		XY Drv Comm.	xxxxxxxx
		MotDrv Comm.	xxxxxxxx
		PAN T.	xxxxxxxx
		XY T.	xxxxxxxx
		MT T.	xxxxxxxx
Info 	Time Info		
		PowOn Time	xxxxH
		Bright Time	xxxxH
		Total Time	xxxxH
	Soft Ver.		
		Panel	xxxxxxxxxxx
		XY Drv	xxxxxxxxxxx
		MotDrv	xxxxxxxxxxx
	Temperature		
		Panel	xxx℃
		XY Drv	xxx℃
		MotDrv	xxx℃
		LEDM	xxx℃
	Fan Speed		
		LEDM	xxxx
	Error Info		No Error Message
	Manufacture ID		XXXXX
	RDM UID		xxxxxxh

Signal connection

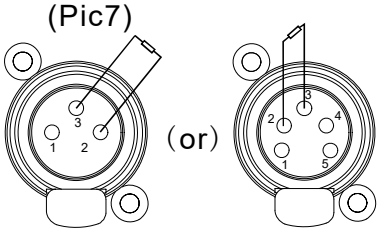
The fixture adopts 3pin/5pin socket to control DMX input and output,Pin1 is connected to grounded, Pin2 is connected to"-", Pin3 is connected to"+"(Pic7).



(Pic7)

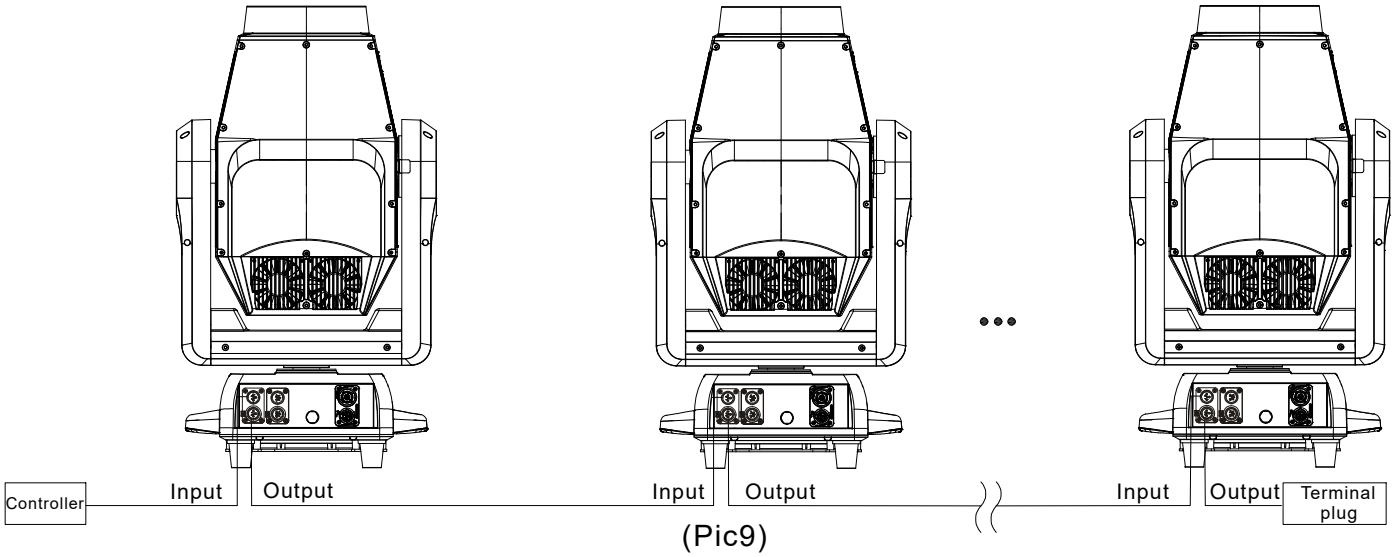
Please adopt professional DMX512 STP signal cable, usually its effective range is within 150m. When long distance signal transmission is required, please add DMX 512 signal amplifier.

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)



Terminal plug(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)



(Pic9)

Notice:
- Don't use multi- output connecter 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 date 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 4 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 areconnected 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

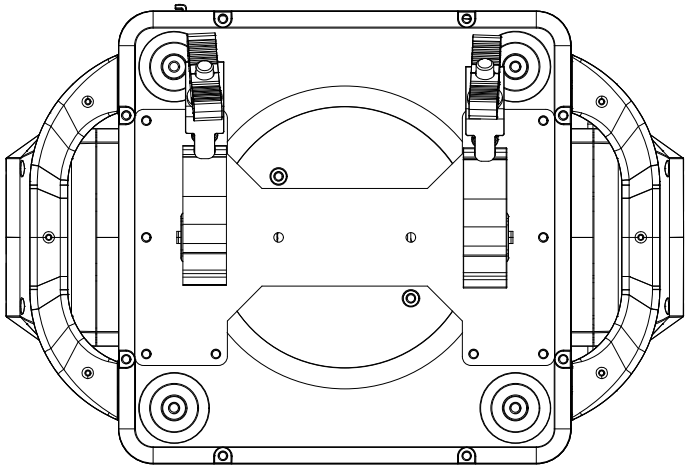
The G-clamp is integrated with the fixture.（Pic10）

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)

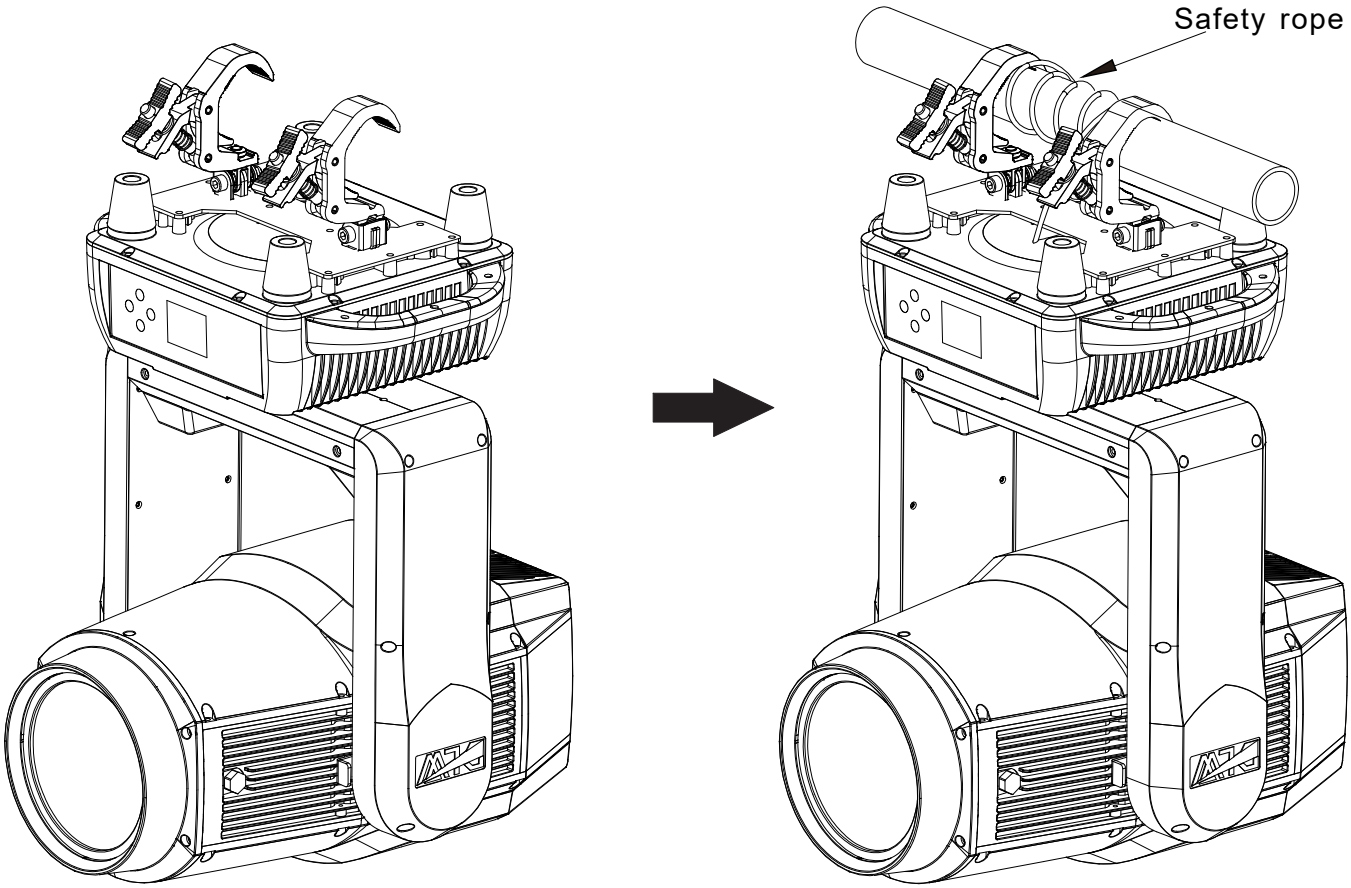
Notice:

- User must check if the G-clamp and safety chain are damaged or not.
- When hanging a fixture, the safety rope must pass through the handle.
- Please unlock the lock of tilt before power on.
- Side hanging for long time is not recommended.



Pan position

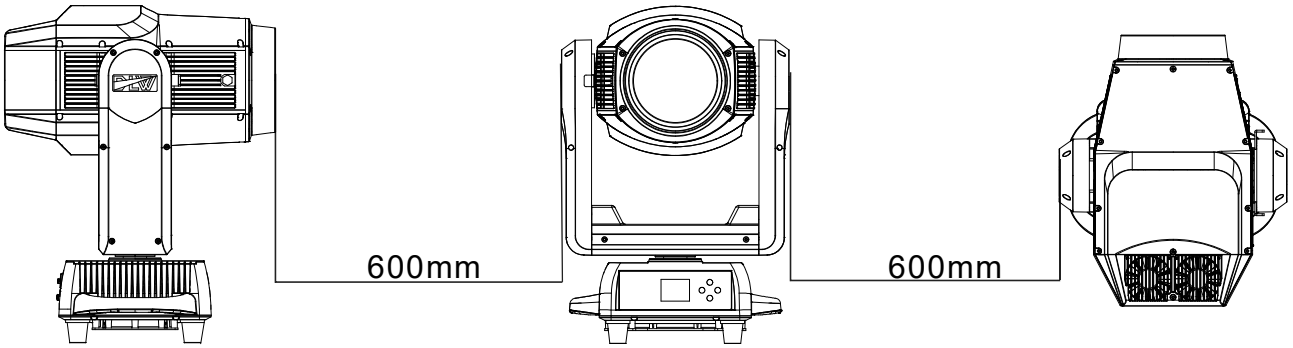
Pic10



Pic11

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 ≥0.6 m when they are working.Fixtures installation show as follow(pic 12).



Pic12

DMX Channel Sheet (Brief)

Channel	43CH	38CH	63CH
1	Pan	Pan	Pan
2	Pan Fine	Pan Fine	Pan Fine
3	Tilt	Tilt	Tilt
4	Tilt Fine	Tilt Fine	Tilt Fine
5	Strobe	Strobe	Strobe
6	Dimmer	Dimmer	Dimmer
7	Dimmer Fine	Dimmer Fine	Dimmer Fine
8	Focus	Focus	Focus
9	Zoom	Zoom	Focus Fine
10	Red	Cyan	Zoom
11	Green	Magneta	Zoom Fine
12	Blue	Yellow	Red
13	Amber	CTC	Red Fine
14	Cyan	Color Wheel	Green
15	Lime	Tint	Green Fine
16	CTC	Crossfade	Blue
17	Tint	Macro Color	Blue Fine
18	Crossfade	Gobo1	Amber
19	Color Wheel	Gobo1 Rot	Amber Fine
20	Macro Color	Fixed Gobo	Cyan
21	Gobo1	Iris	Cyan Fine
22	Gobo1 Rot	Animation	Lime
23	Fixed Gobo	Animation Rot	Lime Fine
24	Reserved	Framing Blade 1A	CTC
25	Iris	Framing Blade 1B	Tint
26	Animation	Framing Blade 2A	Crossfade
27	Animation Rot	Framing Blade 2B	Color Wheel
28	Framing Blade 1A	Framing Blade 3A	Macro Color
29	Framing Blade 1B	Framing Blade 3B	Gobo1
30	Framing Blade 2A	Framing Blade 4A	Gobo1 Rot
31	Framing Blade 2B	Framing Blade 4B	Gobo1 Rot Fine
32	Framing Blade 3A	Frame Rot	Fixed Gobo
33	Framing Blade 3B	Prism1	Iris
34	Framing Blade 4A	Prism1 Rot	Animation
35	Framing Blade 4B	Prism2	Animation Rot
36	Frame Rot	Prism2 Rot	Framing Blade 1A
37	Prism1	Frost	Framing Blade 1A Fine
38	Prism1 Rot	Control	Framing Blade 1B
39	Prism2		Framing Blade 1B Fine

40	Prism2 Rot		Framing Blade 2A
41	Frost		Framing Blade 2A Fine
42	Reserved		Framing Blade 2B
43	Control		Framing Blade 2B Fine
44			Framing Blade 3A
45			Framing Blade 3A Fine
46			Framing Blade 3B
47			Framing Blade 3B Fine
48			Framing Blade 4A
49			Framing Blade 4A Fine
50			Framing Blade 4B
51			Framing Blade 4B Fine
52			Frame Rot
53			Frame Rot Fine
54			Prism1
55			Prism1 Rot
56			Prism2
57			Prism2 Rot
58			Frost
59			Control
60			P&Time
61			Color Time
62			BEAM Time
63			Gobo Time

DMX Specific Channel Sheet

43CH	38 CH	63 CH	Specific	Value	Function
1	1	1	Pan	0-255	0°->540°
2	2	2	Pan Fine		
3	3	3	Tilt	0-255	0°->270°
4	4	4	Tilt Fine		
5	5	5	Strobe	0-19	Close
				20-49	Open
				50-200	Strobe From slow to fast
				201-210	Open
				211-255	Random Strobe From slow to fast
6	6	6	Dimmer	0-255	0%->100%
7	7	7	Dimmer Fine		
8	8	8	Focus	0-255	Infinity -> Near
	-	9	Focus Fine		
9	9	10	Zoom	0-255	Narrow beam -> Wide beam
	-	11	Zoom Fine		
10	-	12	Red	0-255	0%->100%
-	-	13	Red Fine		
11	-	14	Green	0-255	0%->100%
-	-	15	Green Fine		
12	-	16	Blue	0-255	0%->100%
-	-	17	Blue Fine		
13	-	18	Amber	0-255	0%->100%
-	-	19	Amber Fine		
14	-	20	Cyan		0%->100%
-	-	21	Cyan Fine		
15	-	22	Lime	0-255	0%->100%
-	-	23	Lime Fine		
-	10	-	Cyan	0-255	0%->100% Linear Cyan movement
-	11	-	Magneta	0-255	0%->100% Linear Magenta movement
-	12	-	Yellow	0-255	0%->100% Linear Yellow movement
16	13	24	CCT	0	10000K
				1-255	10000K->1800K(Page 22)
17	15	25	Tint	0	No correction
				1-127	Linear Minus Green correction
				128	No correction
				127-255	Linear Plus Green correction
18	16	26	Crossfade	0-255	Blend CCT → Color Mix
				0-120	Linear Color movement
				121-125	Color 1
				126-130	Color 2
				130-135	Color 3
				136-140	Color 4
				141-145	Color 5

19	14	27	Color Wheel	146-150	Color 6
				151-160	Open
				161-200	Continuous Color wheel clockwise rotation from fast to slow
				202-203	Stop
				204-243	Continuous Color wheel counter-clockwise rotation from slow to fast
				244-247	Random slow
				248-251	Random Normal
				252-255	Random Fast
20	17	28	Macro Color	0	None
				1-181	Detail In Macro Color Table(Page23-25)
				182-255	Reserved
21	18	29	Gobo1		Step
				0-10	Open
				11-18	Gobo1
				19-27	Gobo2
				28-35	Gobo3
				36-44	Gobo4
				45-52	Gobo5
				53-61	Gobo6
				62-71	Gobo7
				72-79	Gobo 1 Shake from slow to fast
				80-87	Gobo 2 Shake from slow to fast
				88-95	Gobo 3 Shake from slow to fast
				96-103	Gobo 4 Shake from slow to fast
				104-111	Gobo 5 Shake from slow to fast
				112-119	Gobo 6 Shake from slow to fast
				120-127	Gobo 7 Shake from slow to fast
					Continuous Rotation
				128-189	Continuous gobo wheel clockwise rotation from fast to slow
				190-255	Continuous gobo wheel counter-clockwise rotation from slow to fast
22	19	30	Gobo1 Rot	0-127	Movement positioning from 0° to 360
				128-190	Continuous prism rotation from fast to slow
				191-192	Stop
				193-255	Continuous prism rotation from slow to fast
-	-	31	Gobo1 Rot Fine		
				0-10	Open
				11-16	Gobo1
				17-21	Gobo2
				22-27	Gobo3
				28-32	Gobo4
				33-38	Gobo5
				39-44	Gobo6
				45-49	Gobo7
				50-55	Gobo8

23	20	32	Fixed Gobo	56-64	Gobo 1 Shake from slow to fast
				65-73	Gobo 2 Shake from slow to fast
				74-82	Gobo 3 Shake from slow to fast
				83-91	Gobo 4 Shake from slow to fast
				92-100	Gobo 5 Shake from slow to fast
				101-109	Gobo 6 Shake from slow to fast
				110-118	Gobo 7 Shake from slow to fast
				119-127	Gobo 8 Shake from slow to fast
				128-189	Continuous gobo wheel clockwise rotation from fast to slow
				190-255	Continuous gobo wheel counter-clockwise rotation from slow to fast
24	–	–	Reserved		
25	21	33	Iris	0-255	Linear Movement from Open to Closed
26	22	34	Animation	0-10	Open
				11-255	Animation linear movement from 0 to 100%
27	23	35	Animation Rot	1-10	None
				11-131	Continuous prism rotation from fast to slow
				132-134	Stop
				135-255	Continuous anime rotation from slow to fast
28	24	36	Framing Blade 1A	0-255	Out -> In
–	–	37	Framing Blade 1A Fine		
29	25	38	Framing Blade 1B	0-255	Angle- --> Parallel --> Angle+
–	–	39	Framing Blade 1B Fine		
30	26	40	Framing Blade 2A	0-255	Out -> In
–	–	41	Framing Blade 2A Fine		
31	27	42	Framing Blade 2B	0-255	Angle- --> Parallel --> Angle+
–	–	43	Framing Blade 2B Fine		
32	28	44	Framing Blade 3A	0-255	Out -> In
–	–	45	Framing Blade 3A Fine		
33	29	46	Framing Blade 3B	0-255	Angle- --> Parallel --> Angle+
–	–	47	Framing Blade 3B Fine		
34	30	48	Framing Blade 4A	0-255	Out -> In
–	–	49	Framing Blade 4A Fine		
35	31	50	Framing Blade 4B	0-255	Angle- --> Parallel --> Angle+
–	–	51	Framing Blade 4B Fine		
36	32	52	Frame Rot	0-160	Movement positioning from 0 °to 360°
				161-202	Continuous frame clockwise rotation from fast to slow
				203-243	Continuous frame counter-clockwise rotation from slow to fast
				244-255	None
–	–	53	Frame Rot Fine		
37	33	54	Prism1	0-127	Open
				128-255	Insert
38	34	55	Prism1 Rot	0-127	Movement positioning from 0° to 360°
				128-190	Continuous prism rotation from fast to slow
				191-192	Stop

				193-255	Continuous prism rotation from slow to fast
39	35	56	Prism2	0-127	Open
				128-255	Insert
40	36	57	Prism2 Rot	0-127	Movement positioning from 0°to 360°
				128-190	Continuous prism rotation from fast to slow
				191-192	Stop
				193-255	Continuous prism rotation from slow to fast
41	37	58	Frost	0-255	Linear Movement Insert
42	-	-	Reserved		
43	38	59	Control	0-9	None
				10-14	Fixture Reset
				15-29	Specific Reset
				30-34	Pan/Tilt Reset
				35-49	Reserved
				50-54	1.2KHz
				55-59	6 KHz
				60-64	12KHz
				65-69	24KHz
				70-74	25KHz
				75-79	Reserved
				80-84	Dimmer Curve1
				85-89	Dimmer Curve2
				90-94	Dimmer Curve3
				95-99	Dimmer Curve4
				100-104	Theatre Mode
				105-109	Silent Mode
				110-114	Auto Mode
				115-119	Full Mode
				120-129	Reserved
				130-134	CCI On
				135-139	CCI Off
				140-144	High CRI
				145-149	High BRT
				150-255	Reserved
-	-	60	P&T Time	0-255	Slope Time from Fast to Slow
-	-	61	Color Time	0-255	Slope Time from Fast to Slow
-	-	62	BEAM Time	0-255	Slope Time from Fast to Slow
-	-	63	Gobo Time	0-255	Slope Time from Fast to Slow

CTC10000-1800K

CCT Table	
Value	CCT
000-000	10000K
001-003	10000K
004-006	9900K
007-009	9800K
010-012	9700K
013-015	9600K
016-018	9500K
019-021	9400K
022-024	9300K
025-027	9200K
028-030	9100K
031-033	9000K
034-036	8900K
037-039	8800K
040-042	8700K
043-045	8600K
046-048	8500K
049-051	8400K
052-054	8300K
055-057	8200K
058-060	8100K
061-063	8000K
064-066	7900K
067-069	7800K
070-072	7700K
073-075	7600K
076-078	7500K
079-081	7400K
082-084	7300K
085-087	7200K
088-090	7100K
091-093	7000K
094-096	6900K
097-099	6800K
100-102	6700K
103-105	6600K
106-108	6500K
109-111	6400K
112-114	6300K
115-117	6200K
118-120	6100K
121-123	6000K
124-126	5900K
127-129	5800K
130-132	5700K
133-135	5600K
136-138	5500K
139-141	5400K
142-144	5300K
145-147	5200K
148-150	5100K
151-153	5000K
154-156	4900K
157-159	4800K
160-162	4700K
163-165	4600K
166-168	4500K
169-171	4400K
172-174	4300K
175-177	4200K
178-180	4100K
181-183	4000K
184-186	3900K
187-189	3800K
190-192	3700K
193-195	3600K
196-198	3500K
199-201	3400K
202-204	3300K
205-207	3200K
208-210	3100K
211-213	3000K
214-216	2900K
217-219	2800K
220-222	2700K
223-225	2600K
226-228	2500K
229-231	2400K
232-234	2300K
235-237	2200K
238-240	2100K
241-243	2000K
244-246	1900K
247-255	1800K

Macro Color Table

Macro Color Table			
Serial number	Color number	name	Value 0-255
1	R101	Deep Red	1
2	R102	Red	2
3	R103	Red Rose	3
4	R104	China Red	4
5	R105	Burnt Orange	5
6	R106	Canna Red	6
7	R107	Qiao Red	7
8	R108	Dawn Red	8
9	R109	Vermilion	9
10	R110	Bright Rose	10
11	R111	Carmine Red	11
12	R112	Sunset Red	12
13	R113	Light Peach Pink	13
14	R114	Ling Xiao	14
15	R115	Light Crimson	15
16	R116	Cherry Red	16
17	R117	Madder Red	17
18	R118	Orange Pink	18
19	R119	Hibiscus Pink	19
20	R120	Begonia Red	20
21	R121	Yang Fei Red	21
22	R122	Apricot White	22
23	YR201	Orange red	23
24	YR202	Red Orange	24
25	YR203	Golden Orange	25
26	YR204	Golden Amber	26
27	YR205	Amber	27
28	YR206	Marigold Yellow	28
29	YR207	Chinese Imperial Yellow	29
30	YR208	Realgar	30
31	YR209	Sea Breeze Pink	31
32	YR210	Peach Satin	32
33	YR211	Light Vermilion	33
34	YR212	Light Wheat Yellow	34
35	YR213	Tea White	35
36	Y301	Orange	36
37	Y302	Imperial Yellow	37
38	Y303	Lemon Yellow	38
39	Y304	Medium Yellow	39
40	Y305	Bright Amber	40
41	Y306	Wheat Yellow	41
42	Y307	Tangerine Yellow	42
43	Y308	Light Yellow	43
44	Y309	Pear Yellow	44
45	Y310	Bright Yellow	45
46	Y311	Moon White	46
47	Y312	Ivory White	47
48	GY401	Willow Green	48
49	GY402	Mung Bean Green	49
50	GY403	Vivid Green	50
51	GY404	Vivid Yellow	51
52	GY405	Green Mustard	52
53	GY406	Chive Yellow	53
54	GY407	Bright Yellow Green	54
55	GY408	Pine Pollen Yellow	55
56	GY409	Pale White	56
57	GY410	Pale Cyan	57
58	G501	Emerald Green	58
59	G502	Parrot Green	59
60	G503	Medium Green	60
61	G504	Fresh Bamboo	61
62	G505	Peacock Green	62
63	G506	Verdigris	63
64	G507	Verdant Green	64
65	G508	Grass Green	65
66	G509	Lime Green	66
67	G510	Light Emerald Blue	67
68	G511	Jade Green	68
69	G512	lotus Green	69
70	G513	Apple Green	70

71	G514	Emerald-Tinted Green	71
72	G515	Cerulean Blue	72
73	G516	Mint Green	73
74	G517	Cold Blue	74
75	BG601	Azure	75
76	BG602	Sparkling Cove	76
77	BG603	Turquoise Blue	77
78	BG604	Lake Green	78
79	BG605	South China Sea	79
80	BG606	Crystal Blue	80
81	BG607	Indigo Blue	81
82	BG608	Light Green	82
83	BG609	Lake Blue	83
84	BG610	Turquoise Green	84
85	BG611	Sinomenium Acutum	85
86	BG612	Lake Cyan	86
87	BG613	Blue Green	87
88	BG614	Sky Blue	88
89	BG615	Cloudy Water Blue	89
90	BG616	Light Ink Blue	90
91	BG617	Light Blue	91
92	BG618	Light Pale Cyan	92
93	BG619	Celadon	93
94	BG620	Smoke Cyan	94
95	BG621	Cyan Grey	95
96	B701	Deep Blue	96
97	B702	Peacock Blue	97
98	B703	Ultramarine Blue	98
99	B704	Breton Top	99
100	B705	Muted Indigo	100
101	B706	Deep Ocean Blue	101
102	B707	Cerulean	102
103	B708	Ink Blue	103
104	B709	Emerald Blue	104
105	B710	Medium Blue	105
106	B711	Moonlight Blue	106
107	B712	Cobalt Blue	107

108	B713	Light Ink Blue	108
109	B714	Bright Blue	109
110	B715	Cyan Cloud	110
111	B716	Grey Blue	111
112	PB801	Purple Blue	112
113	PB802	Space Purple	113
114	PB803	Dark Lavender	114
115	PB804	Violet	115
116	PB805	Green Lotus	116
117	PB806	February orchid	117
118	PB807	Lapis Lazuli Blue	118
119	PB808	Dusk Purple	119
120	PB809	Foggy Slate	120
121	PB810	Light Purple	121
122	PB811	Lavender	122
123	PB812	Light Lavender	123
124	PB813	Light Wind Chime	124
125	P901	Ravishing Purple	125
126	P902	Impatiens Purple	126
127	P903	Dusky Violet	127
128	P904	Datura Purple	128
129	P905	Cherry Blossom Purple	129
130	P906	Luxury Purple	130
131	P907	Imperial Purple	131
132	P908	Light Cherry Blossom Purple	132
133	P909	Plum Sauce Purple	133
134	P910	Bellflower Purple	134
135	P911	Lotus Purple	135
136	P912	Ni Chang Purple	136
137	P913	Strong Purple	137
138	P914	Wind Chime Purple	138
139	P915	Fei Purple	139
140	P916	Kao Mauve	140
141	P917	Silver Pink	141
142	RP1001	Purple Red	142

143	RP1002	Dark Redbud	143
144	RP1003	Wisteria	144
145	RP1004	Magenta	145
146	RP1005	Peach Pink	146
147	RP1006	Purple rose	147
148	RP1007	Bright Crape Myrtle	148
149	RP1008	Deep pink	149
150	RP1009	Cherry Purple	150
151	RP1010	Azalea Purple	151
152	RP1011	Pomegranate Skirt	152
153	RP1012	Lotus Red	153
154	RP1013	Wild Rose Pink	154
155	RP1014	Ravishing Red	155
156	RP1015	Pink Coral	156
157	RP1016	Crape Myrtle	157
158	RP1017	Lilac	158
159	RP1018	Redbud Purple	159
160	RP1019	Light Pink	160
161	RP1020	Elegant Pink	161
162	RP1021	Light Lilac	162
163	RP1022	Sakura Pink	163
164	RP1023	Light Hibiscus	164
165	RP1024	Root White	165
166	1101	2000K	166
167	1102	2200K	167
168	1103	2600K	168
169	1104	2700K	169
170	1105	2856K	170
171	1106	3000K	171
172	1107	3200K	172
173	1108	3500K	173
174	1109	4000K	174
175	1110	4847K	175
176	1111	5700K	176
177	1112	6500K	177
178	1113	6774K	178
179	1114	8000K	179
180	1115	10000K	180
181	1116	20000K	181

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:

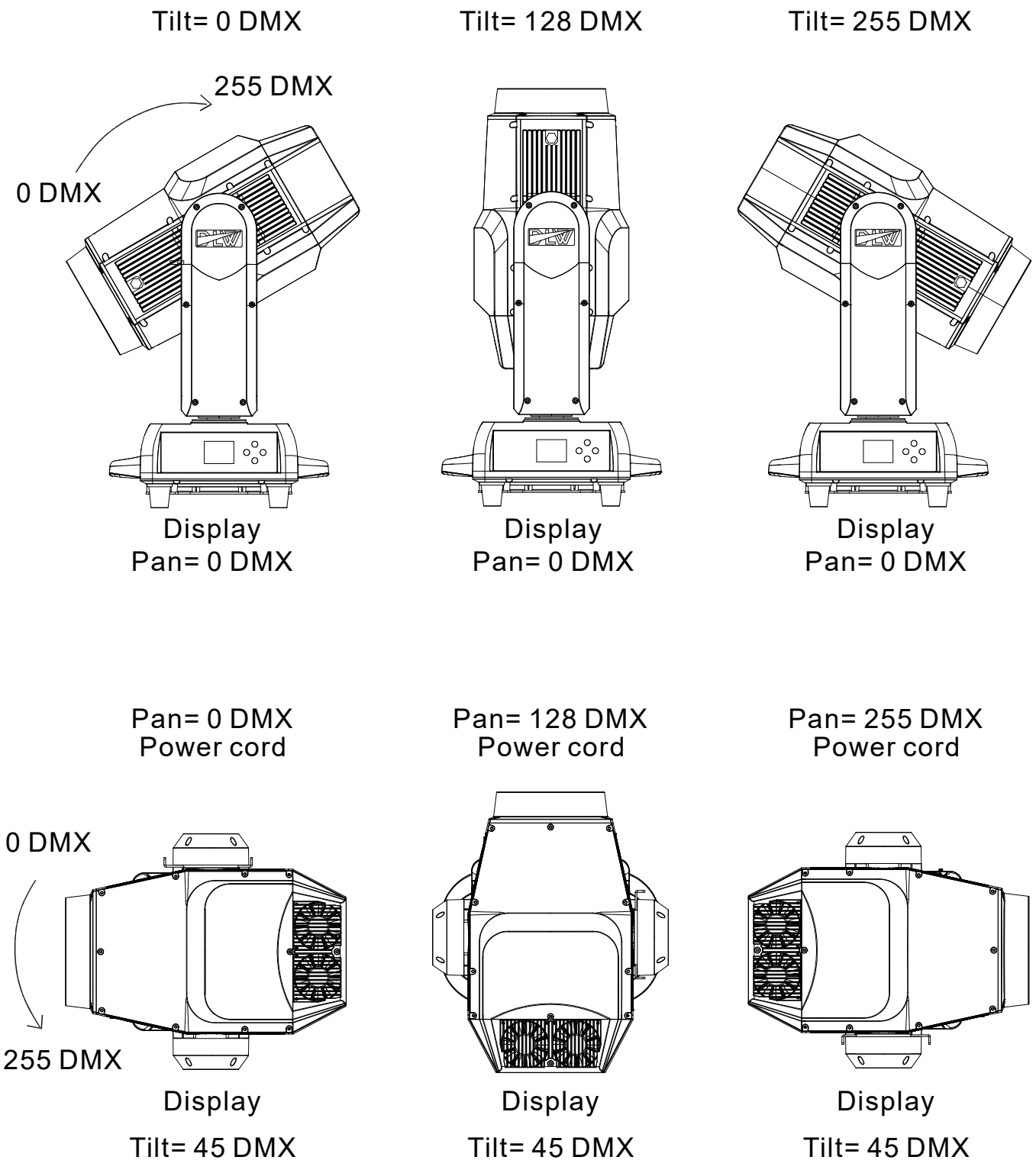
- Step motor or motor leading wire Maybe damaged.
- Drive circuit of motor may be damaged.

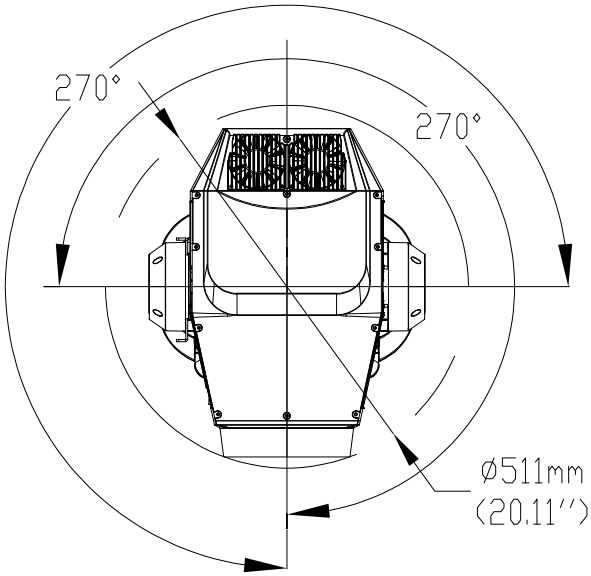
Lamp blinking:

- 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.

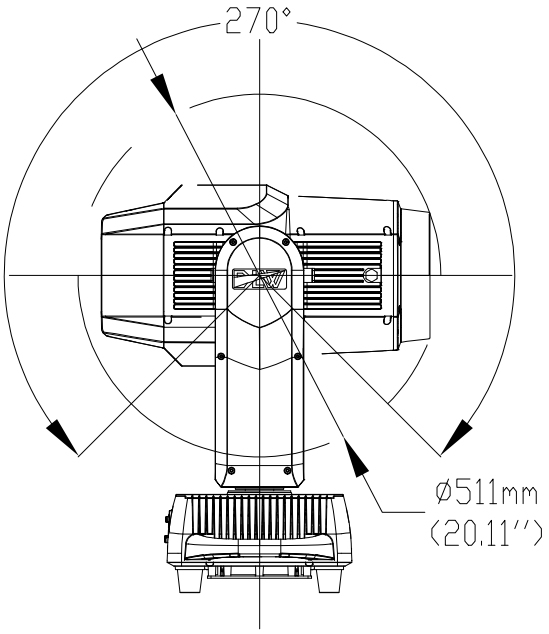
Attachment 1 Angle range and the measurement figure of the fixture

● **Angle range of the fixture**



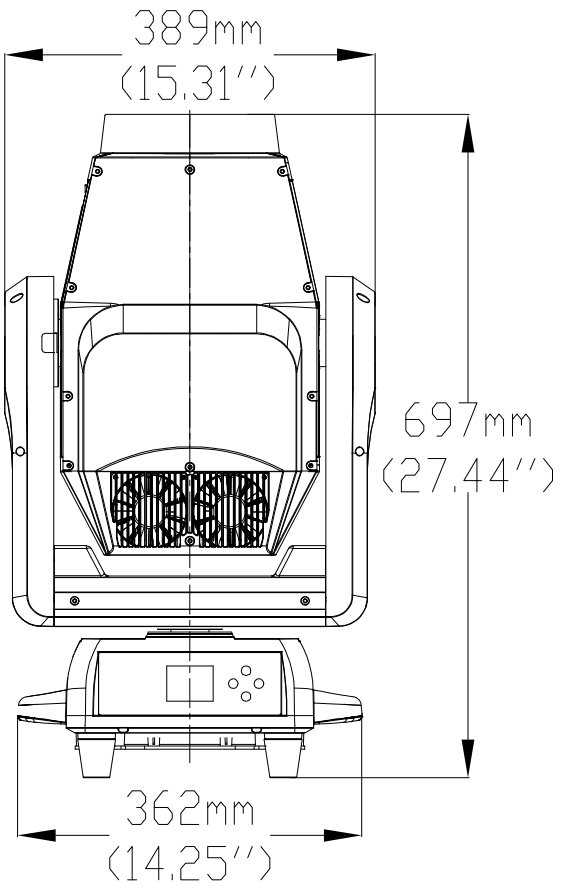


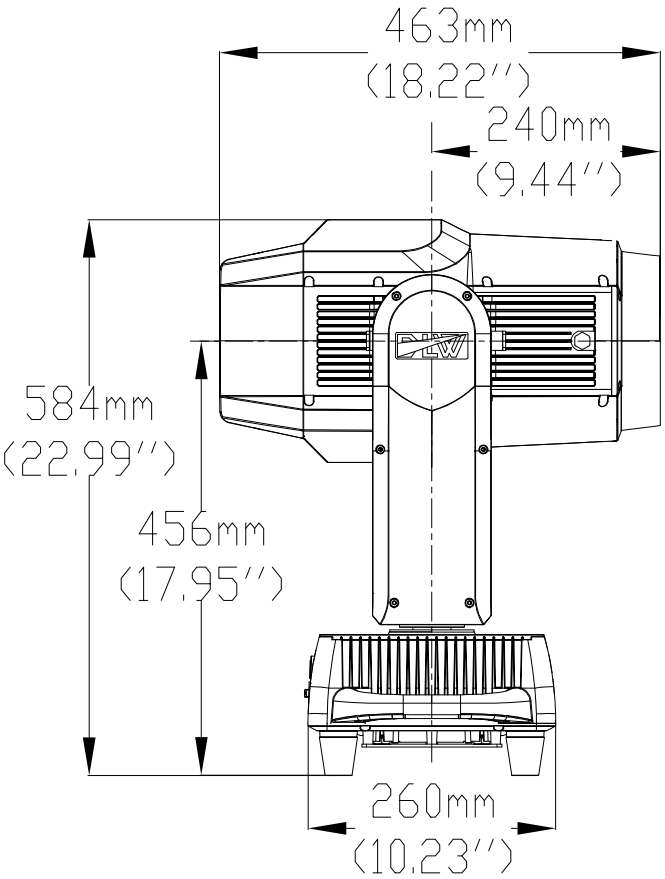
Horizontal direction



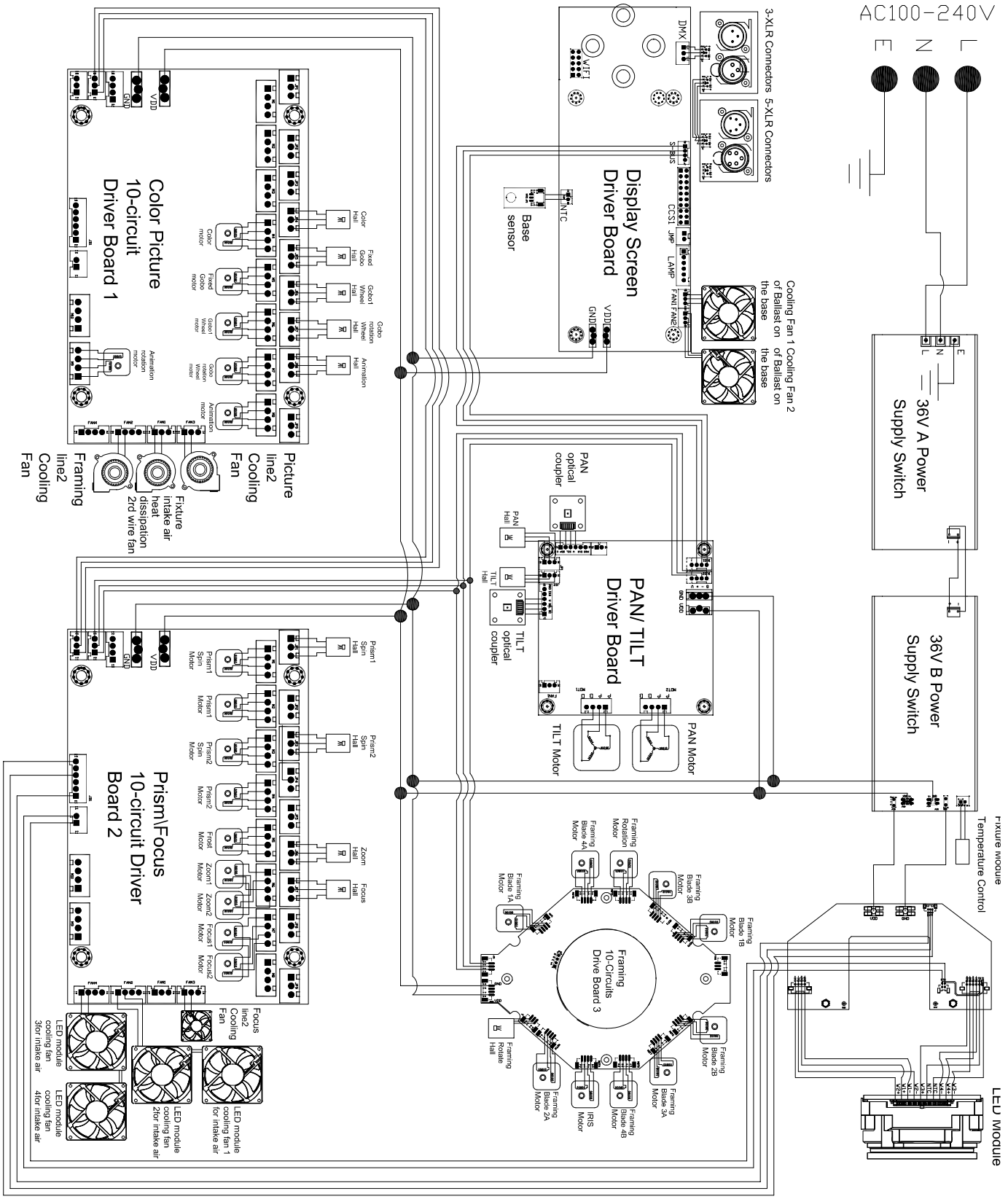
Vertical direction

● **The measurement figure of the fixture**





Attachment 2:Electrical Diagram



ADD. No.21,Ruixiang Road,Xinhua Industrial Zone.Huadu District,Guangzhou
Tel. 020 - 8161 2345
Fax. 020 - 3686 6631
Website：www.dlw-lighting.com