



DREAM LIGHT Workshop

User Manual



DLW L1500 PRO
DLW L1500H PRO
DLW L1200 PRO
DLW L1200H PRO

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!	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 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 0.5 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.
- voltage meets the technical requirements and the ground wire is properly connected.
- 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 should be installed in a position where it will not be stared at for a long time at a distance of less than 3.5M.
- When using the fixture, please pay attention to severe damage caused by the shock from fire, heat, or the UV violation.
- 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 from 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
Safety Chain	1
Signal Cable	1
Power Cable	1

Product Introduction Specifications

Electrical parameters

AC 100 - 240V 50 / 60 Hz

DLW L1500(H) PRO Input Power:1600W rated electrical current: 16A, PF $\geq$ 0.98.

DLW L1200(H) PRO Input Power:1450W rated electrical current: 14.5A, PF $\geq$ 0.98.

Light Source parameters

- DLW L1500 PRO Light source:1500W LED white source module(high brightness).
- DLW L1500H PRO Light source: 1500W LED white source module(high CRI).
- DLW L1200H PRO Light source:1200W LED white source module(high CRI).
- DLW L1200 PRO Light source:1200W LED white source module(high brightness).
- LED module expected lifespan:20000Hrs.

Optics parameters

- Lens:High-definition lens with anti-reflective film.
- Zoom range: 5°~50°

Effect configuration

- 2 frosts, linearity zoom and focused, can be stacked.
- 1 prism, linearity zoom and focused, rotation in two ways.
- 0-100% linear dimmer, choice of many dimming curves. Electric strobe 1-25Hz, multiple strobe effects.
- Fast electric Iris, 5-100% linear adjustment, multi-effects changing with macro function.

Fixture movement

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

Electronic Control

- Channel:34Ch/35Ch/60Ch/43Ch.
- Control Protocols:DMX512, RDM, Art-Net, sACN, wireless function(optional).
- Control Portals: XLR-3+ XLR-5; RJ45 (optional).

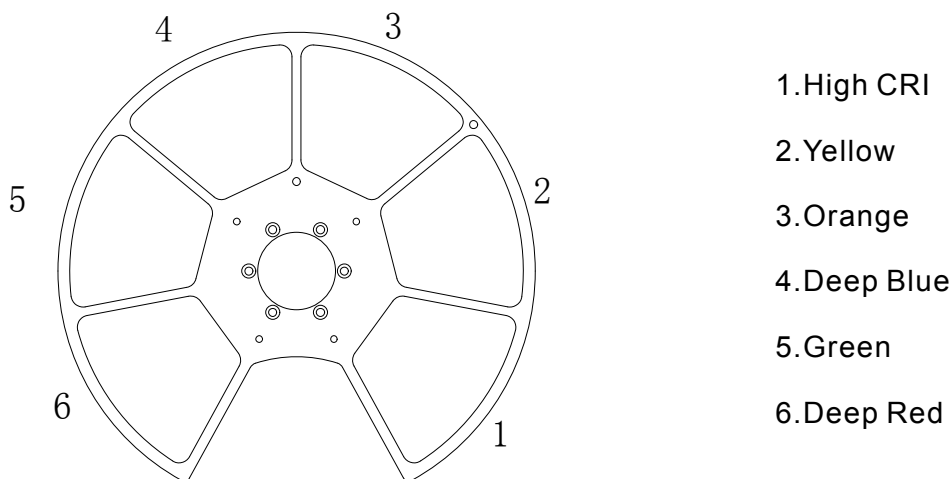
- Menu display: 3.5" LCD screen; choice of Chinese and English language, menu available to be displayed 180° reversely.
- Built-in self-rechargeable battery, menu can be edited without power supply (optional version); Support connecting with power bank to enter the menu and edit address code and other settings.
- Electronic sensors testing, fan intelligent detect and controllable.
- Eco mode(sleep mode when standby)
- Non-touching magnetic encoder positionable system for pan/tilt.

Framing System

- 4 x framing blades with precise positioning and no graphics distortion.
- The framed graph can rotate 360°.

Color System

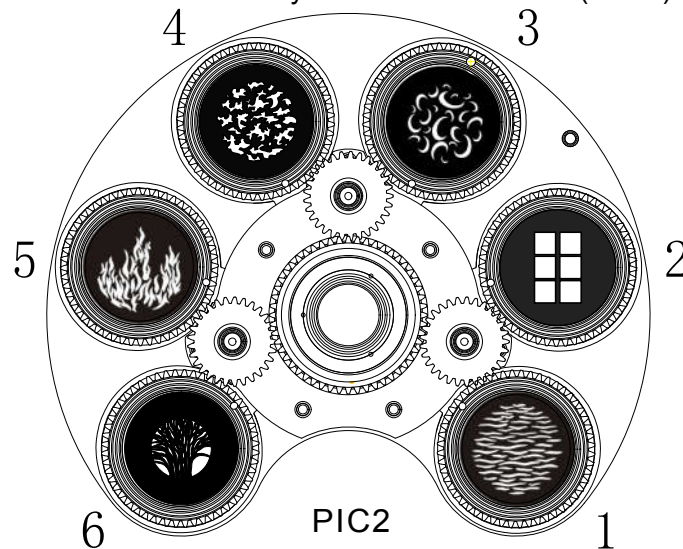
- CMY infinite color mixing, good color saturation, high pureness.
- CTO color temperature, 2700K-6200K linear adjustment.
- Fixed color wheel, 6 colors + open, can realize bidirectional color rainbow, step, sliding gradient, random color mode. (Pic1).



Pic1

Gobo System

- 1 rotating gobo wheel, 6 bi-directional rotating & positioning gobos, rotation, water flow, shake, the gobos can be accurately controlled at 16bit. (PIC2)



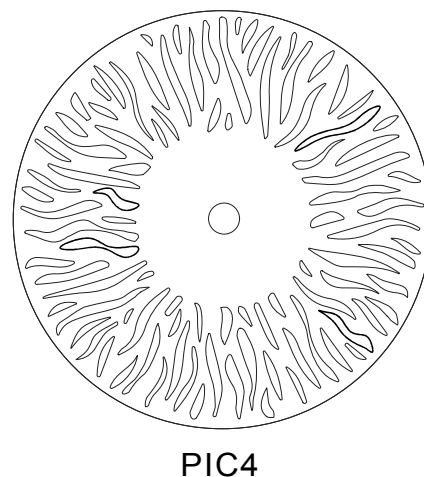
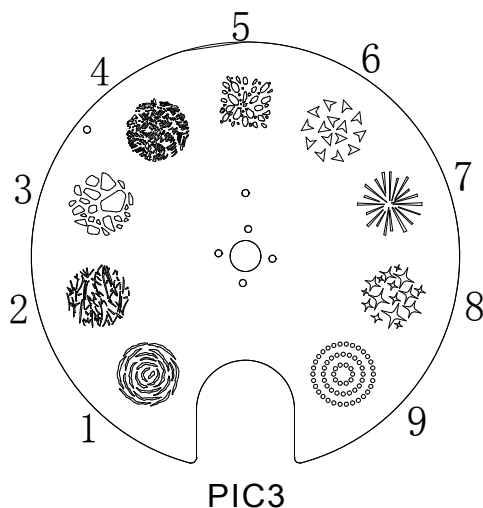
Gobo Specifications

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

The size for customized gobo plates:

Material	Outer diameter	Effective Diameter	Thickness
Metal Gobo	Ø 31.8mm	Ø 23mm	0.5mm
Gobo plates adopt high temperature glass (or high temperature metal)			

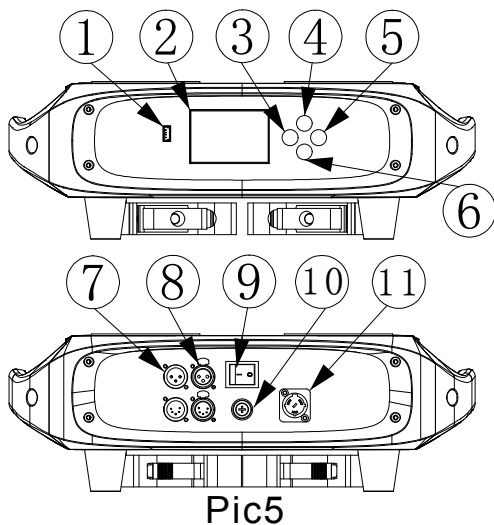
- 1 static gobo wheel, 9 gobos plus open, bi-directional water flow. (Pic3)
- 1 animation wheel, cloud, fire, water flow. (Pic4)



Size & Weight

- Fixture size: 462X462X807(mm)
- Flight case size: 710X550X865mm
- Net weight: 45Kg
- Flightcase net weight: 30Kg
- IP Rate: IP20

Operation Panel Instruction



Pic5

Display contents



Address



Manual



Settings



Test



Advanced



Information

Pic6

As shown in pic 5:

- | | | | |
|--------------------------------|----------------------|----------------------------|--------------------|
| 1.USB | 2.LCD display | 3.Left Direction key(Back) | 4.Up Direction key |
| 5.Right Direction key(Confirm) | 6.Down Direction key | 7.DMX input | |
| 8.DMX output | 9.Switch | 10.Fuse box | 11.Power Supply |

Operation Panel instruction

- Up Direction key: Select Sub-menu cyclically (upward). Circulate upward 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 or select cyclical data window.
- Black screen unlock: back to menu, enter password "up down up down", then press "Enter".

Detailed Operation Table of the Display Panel

Specification 	1. Pan Inverse	Off On	
	2. Tilt Inverse	Off On	
	3. Exchange XY axis	Off On	
	4. XY axis speed	FAST,NORMAL,SLOW	
	5. Dim Curve	Curve CV1,Line CV2,S CV3,SquareCV4	
	6. LED PWM	1. 2KHz, 6KHz,12KHz,24KHz,25KHz	
	7. Dim Speed	Speed1,Speed2,Speed3,Speed4	
	8. Fan mode	Theater,Quiet,AUTO,HIGH	
	9. Display blackout	Off,On	
	10.display inverse	Off,On	
	11.KEY LOCK	Off,On	
	12.Language	English,Chinese	
	13.Sleep Mode	Off,On	
	14.Fixture		
	EXIT		
Manual 	1. Channel		
	1. Pan		000~255
	2. Tilt		000~255
	3. Strobe		000~255
	4. Dimmer		000~255
	5. Tint		000~255
	6. Focus		000~255
	7. Zoom		000~255
	8. Cyan		000~255
	9. Magenta		000~255
	10. Yellow		000~255
	11.CTO		000~255
	12.Color wheel		000~255
	13.Gobo wheel		000~255
	14. R-Gobo		000~255
	15. Fixed gobo wheel		000~255
	16. Iris		000~255
	17. Animation		000~255
	18. Animation Rotate		000~255
	19. FRAME 1A		000~255
	20. FRAME 1B		000~255
	21. FRAME 2A		000~255
	22. FRAME 2B		000~255
	23. FRAME 3A		000~255
	24. FRAME 3B		000~255
	25. FRAME 4A		000~255
	26. FRAME 4B		000~255
	27. FRAME ROT		000~255
	28. Prism		000~255
	29. R-Prism		000~255
	30. Frost1		000~255
	31. Frost2		000~255
	32. CONTROL		000~255
	EXIT		
	2. Fixture Reset	NO,YES	
Address 	EXIT		
	1. DMX Address	001~512	
		EXIT	
	2. Channel Mode	Basic	
		Standard	
		Extend	

Information 	3. No Mode	DMX hold	
		Black out	
		Exit	
	Exit		
	1. Fixture Hour	Fixture Hour	XXXX
		LED Hour	XXXX
		EXIT	
	2. Version	PANEL Ver:	XXXX
		XY Ver:	XXXX
		Drive board1 Ver:	XXXX
		Drive board2 Ver:	XXXX
		Drive board3 Ver:	XXXX
		Drive board4 Ver:	XXXX
		Exit	
	3. Temperature	PANEL Temperature:	XXX-XXX
		XY Temperature:	XXX-XXX
		Drive board1 Temperature:	XXX-XXX
		Drive board2 Temperature:	XXX-XXX
		Drive board3 Temperature:	XXX-XXX
		Drive board4 Temperature:	XXX-XXX
		EXIT	
	4. Fan speed	PANEL Fan:	XXXX-XXXX
		XY Fan:	XXXX-XXXX
		DRV1 Fan:	XXXX-XXXX
		DRV2 Fan:	XXXX-XXXX
		DRV3 Fan:	XXXX-XXXX
		DRV4 Fan:	XXXX-XXXX
		EXIT	
	5. RDMID	XXXXXXXX	
		EXIT	
	6. System Error	NONE	
		EXIT	
	EXIT		
Advanced 	1. Factory Reset	NO	
		YES	
		EXIT	
	2. Fixture Time Reset	NO	
		YES	
		EXIT	
	3. LED Time Reset	NO	
		YES	
		EXIT	
	4. Calibration		
Test 		EXIT	
	1. Auto test		
		YES	
		NO	
		EXIT	
	EXIT		

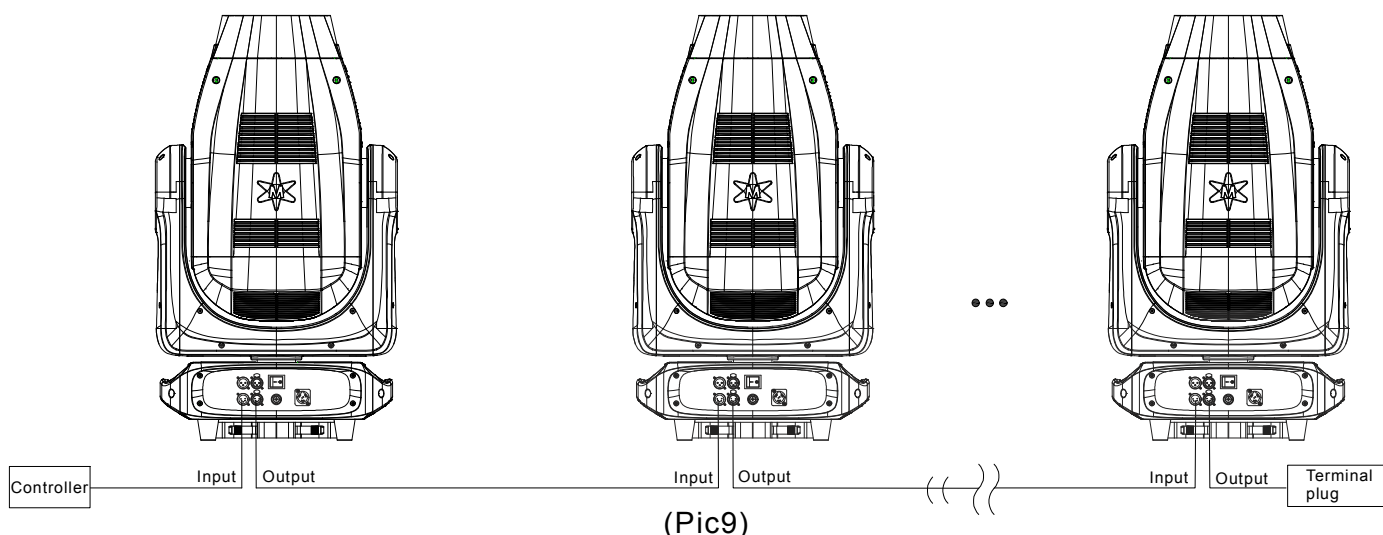
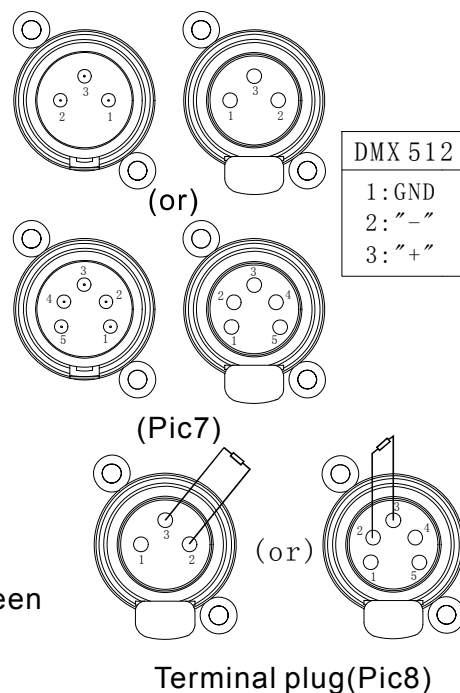
Signal connection

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. (Pic7) The method of connection as show bellow (Pic9).



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.

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 lead 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

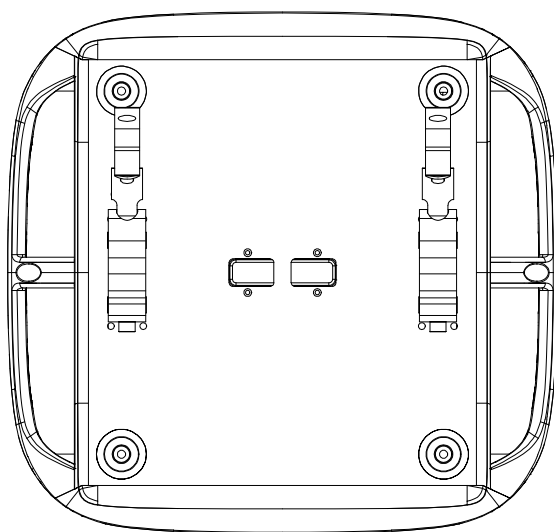
The fixture comes with the G-clamp (Pic10)

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)

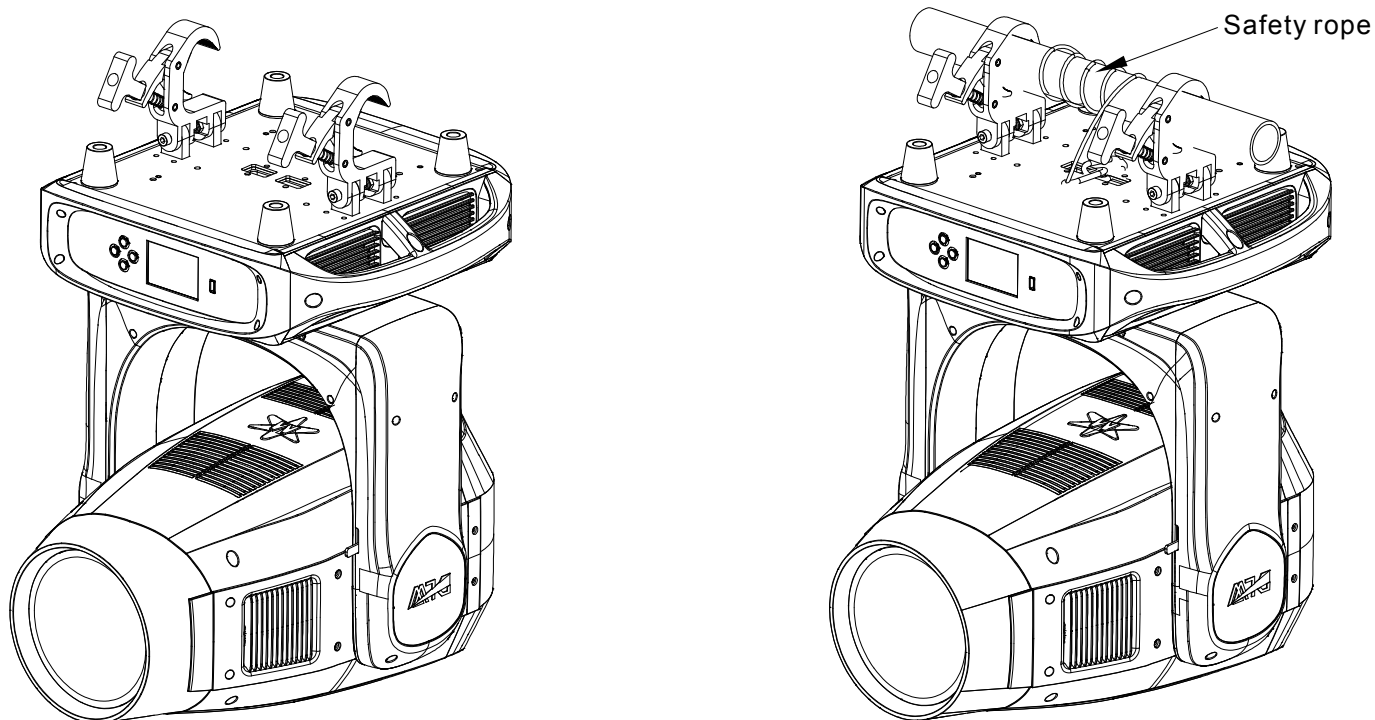
Notice:

- 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.



Pan Angle

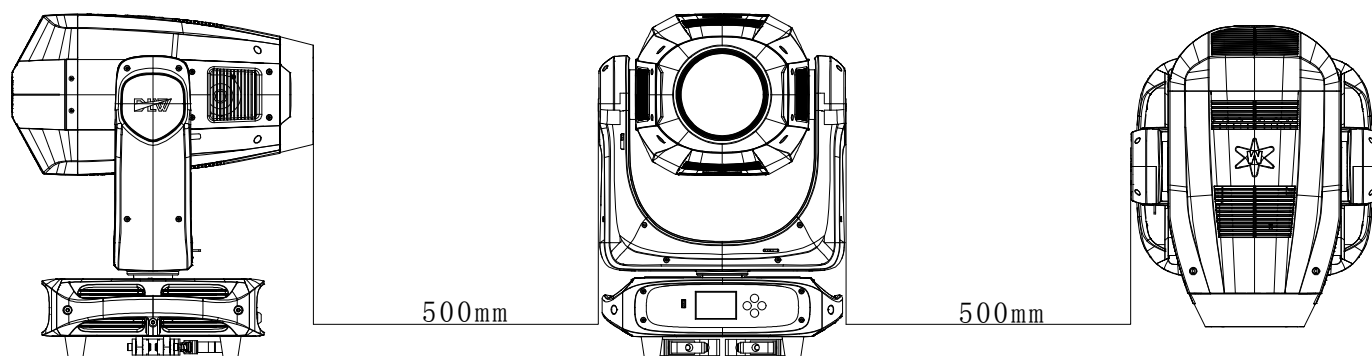
Pic10



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 ≥ 0.5 m when they are working. Fixtures installation show as follow(pic 12).



Pic12

DMX Channel Sheet (Brief)

Channel	34CH	35CH	60CH	43CH
1	Pan	Strobe	Pan	Pan
2	Pan Fine	Dimmer	Pan Fine	Pan Fine
3	Tilt	Dimmer Fine	Tilt	Tilt
4	Tilt Fine	Cyan	Tilt Fine	Tilt Fine
5	Strobe	Magenta	Strobe	Strobe
6	Dimmer	Yellow	Dimmer	Dimmer
7	Dimmer Fine	CTO	Dimmer Fine	Dimmer Fine
8	Focus	Color Wheel	Focus	Tint
9	Zoom	Gobo1	Focus Fine	Focus
10	Cyan	Gobo1 ROT	Zoom	Focus Fine
11	Magenta	Gobo1 ROT Fine	Zoom Fine	Zoom
12	Yellow	Fixed Gobo Wheel	Cyan	Zoom Fine
13	CTO	Animation wheel	Cyan Fine	Cyan
14	Color Wheel	Framing Blade 1A	Magenta	Magenta
15	Gobo1	Framing Blade 1B	Magenta Fine	Yellow
16	Gobo1 ROT	Framing Blade 2A	Yellow	CTO
17	Fixed Gobo Wheel	Framing Blade 2B	Yellow Fine	Color Wheel
18	Iris	Framing Blade 3A	CTO	Gobo1
19	Animation	Framing Blade 3B	CTO Fine	Gobo1 Rotate
20	Animation Rotate	Framing Blade 4A	Color Wheel	Gobo1 Rotate Fine
21	Framing Blade 1A	Framing Blade 4B	Color Wheel Fine	Fixed Gobo Wheel
22	Framing Blade 1B	Framing Blade Rotate	Gobo1	Reserved
23	Framing Blade 2A	Frost	Gobo1 Rotate	Reserved
24	Framing Blade 2B	Prism	Gobo1 Rotate Fine	Iris
25	Framing Blade 3A	Prism Rotate	Fixed Gobo Wheel	Animation
26	Framing Blade 3B	Iris	Reserved	Animation Rotate
27	Framing Blade 4A	Zoom	Reserved	Animation Rotate Fine
28	Framing Blade 4B	Zoom Fine	Iris	Framing Blade 1A
29	Framing Blade Rotate	Focus	Animation	Framing Blade 1B
30	Prism	Focus Fine	Animation Rotate	Framing Blade 2A
31	Prism Rotate	Pan	Animation Rotate Fine	Framing Blade 2B
32	Frost1	Pan Fine	Framing Blade 1A	Framing Blade 3A

33	Frost2	Tilt	Framing Blade 1A Fine	Framing Blade 3B
34	Fixture control	Tilt Fine	Framing Blade 1B	Framing Blade 4A
35		Fixture control	Framing Blade 1B Fine	Framing Blade 4B
36			Framing Blade 2A	Framing Blade Rotate
37			Framing Blade 2A Fine	Prism
38			Framing Blade 2B	Prism Rotate
39			Framing Blade 2B Fine	Null
40			Framing Blade 3A	Null
41			Framing Blade 3A Fine	Frost1
42			Framing Blade 3B	Frost2
43			Framing Blade 3B Fine	Fixture control
44			Framing Blade 4A	
45			Framing Blade 4A Fine	
46			Framing Blade 4B	
47			Framing Blade 4B Fine	
48			Framing Blade Rotate	
49			Framing Blade Rotate Fine	
50			Prism1	
51			Prism1 Rotate	
52			Reserved	
53			Reserved	
54			Frost1	
55			Frost2	
56			Fixture control	
57			Pan/Tilt speed	
58			Color speed	
59			Focus speed	
60			Gobo speed	

DMX Specific Channel Sheet

37CH	35CH	60CH	43CH	Specifications	DMX Value	Function
1	31	1	1	Pan	0-255	0°->540°
2	32	2	2	Pan Fine		
3	33	3	3	Tilt	0-255	0°->270°
4	34	4	4	Tilt Fine		
5	1	5	5	Strobe	0-19	Closed
					20-49	Open
					50-200	Strobe from slow to fast
					201-210	Open
					211-255	Random strobe from slow to fast
6	2	6	6	Dimmer	0-255	Closed-open(0%-100%)
7	3	7	7	Dimmer Fine		
-	-	-	8	Tint	0-255	
8	29	8	9	Focus	0-255	From far to near
-	30	9	10	Focus Fine		
9	27	10	11	Zoom	0-255	From large to small
-	28	11	12	Zoom Fine		
10	4	12	13	Cyan	0-255	Cyan 0-100%
-	-	13	-	Cyan Fine		
11	5	14	14	Magenta	0-255	Magenta 0-100%
-	-	15	-	Magenta Fine		
12	6	16	15	Yellow	0-255	Yellow 0-100%
-	-	17	-	Yellow Fine		
13	7	18	16	CTO	0-255	CTO 0-100%
-	-	19	-	CTO Fine		
14	8	20	17	Color Wheel		
					0-119	Color Linear movement
					120-120	White
						Full color mode
					121-126	Color1
					127-132	Color2
					133-138	Color3
					139-144	Color4
					145-150	Color5
					151-156	Color6
					157-160	White
						Color water running mode
					161-200	Anti-clockwise rotation from fast to slow
					201-203	Stop
					204-243	Clockwise rotation from slow to fast

						Color Water flow effect
					244-247	Slow
					248-251	Medium
					252-255	Fast
-	-	21		Color Wheel Fine		Positioning mode
15	9	22	18	Gobo1	0-10	Open
					11-20	Gobo 1
					21-31	Gobo 2
					32-41	Gobo 3
					42-51	Gobo 4
					52-61	Gobo 5
					62-71	Gobo 6
					72-80	Gobo1 shake from slow to fast
					81-89	Gobo2 shake from slow to fast
					90-98	Gobo3 shake from slow to fast
					99-108	Gobo4 shake from slow to fast
					109-118	Gobo5 shake from slow to fast
					119-127	Gobo6 shake from slow to fast
						Rotate mode
					128-189	Anti-clockwise rotation from fast to slow
					190-255	Clockwise rotation from slow to fast
						Positioning mode
16	10	23	19	Gobo1 Rotate	0-127	Indexing(0-360Degree)
						Rotate mode
					128-190	Anti-clockwise rotation from fast to slow
					191-192	Stop
					193-255	Clockwise rotation from slow to fast
-	11	24	20	Gboo1 Rotate Fine		Step mode
					0-10	Open
					11-15	Gobo 1
					16-20	Gobo 2
					21-25	Gobo 3
					26-30	Gobo 4
					31-35	Gobo 5
					36-40	Gobo 6
					41-45	Gobo 7
					46-50	Gobo 8
					51-55	Gobo 9

17	12	25	21	Fixed Gobo		Shake mode
					56-63	Gobo1 shake from slow to fast
					64-71	Gobo2 shake from slow to fast
					72-79	Gobo3 shake from slow to fast
					80-87	Gobo4 shake from slow to fast
					88-95	Gobo5 shake from slow to fast
					96-103	Gobo6 shake from slow to fast
					104-111	Gobo7 shake from slow to fast
					112-119	Gobo8 shake from slow to fast
					120-127	Gobo9 shake from slow to fast
						water running mode
					128-189	Anti-clockwise rotation from fast to slow
					190-255	Clockwise rotation from slow to fast
–	–	26	22	Reserved	Null	
–	–	27	23	Reserved	Null	
18	26	28	24	Iris	0-255	Iris large to small
19	–	29	25	Animation	0-10	Open
					11-255	Animation insert
20	13	30	26	Animation Rotate	0-10	Rotate mode
						insert (35CH mode)
					11-130	Anti-clockwise rotation from slow to fast
					131-133	Stop
					134-255	clockwise rotation from slow to fast
–	–	31	27	Animation Rotate Fine		
21	14	32	28	Framing Blade 1A	0-255	Framing blade rotate from outside->inside
–	–	33		Framing Blade 1A Fine		
22	15	34	29	Framing Blade 1B	0-255	Framing blade rotate $\pm 30^\circ$
–	–	35		Framing Blade 1B Fine		
23	16	36	30	Framing Blade 2A	0-255	Framing blade rotate from outside->inside
–	–	37		Framing Blade 2A Fine		
24	17	38	31	Framing Blade 2B	0-255	Framing blade rotate $\pm 30^\circ$
–	–	39		Framing Blade 2B Fine		
25	18	40	32	Framing Blade 3A	0-255	Framing blade rotate from outside->inside
–	–	41		Framing Blade 3A Fine		
26	19	42	33	Framing Blade 3B	0-255	Framing blade rotate $\pm 30^\circ$
–	–	43		Framing Blade 3B Fine		
27	20	44	34	Framing Blade 4A	0-255	Framing blade rotate from outside->inside
–	–	45		Framing Blade 4A Fine		
28	21	46	35	Framing Blade 4B	0-255	Framing blade rotate $\pm 30^\circ$
–	–	47		Framing Blade 4B Fine		

29	22	48	36	Framing Blade Rotate	0-160	Framing rotate from 0->360°
					161-202	Framing Anti-clockwise rotation from fast to slow
					203-243	Framing clockwise rotation slow to fast
					244-255	Null
–	–	49		Framing Blade Rotate Fine		
–	23	–	–	Frost	0-63	Open(35CH mode)
					64-127	Frost1
					128-191	Frost2
					192-255	Frost1&2
30	24	50	37	Prism	0-127	Open
					128-255	Prism1 insert
31	–	51	38	Prism Rotate		Positioning mode
					0-127	0->360°
						Rotate mode
					128-191	Anti-clockwise rotation from fast to slow
					192-255	clockwise rotation slow to fast
–	–	52	39	Null		
–	–	53	40	Null		
32	–	54	41	Frost1	0-255	Frost Animation Linear Movement insert
33	–	55	42	Frost2	0-255	Frost Animation Linear Movement insert
34	35	56	43	Fixture control	0-9	Null
					10-14	Fixture reset
					15-29	Specification reset
					30-34	Pan-tilt reset
					35-49	Reserved
					50-54	1.2KHz
					55-59	6KHz
					60-64	12KHz
					65-69	24KHz
					70-74	25KHz
					75-79	Reserved
					80-84	Tint off
					85-89	Tint on
					90-255	Reserved
–	–	57	–	Pan/Tilt speed	0-255	Stepping time from fast to slow
–	–	58	–	Color speed	0-255	Stepping time from fast to slow
–	–	59	–	Focus speed	0-255	Focus time from fast to slow
–	–	60	–	Gobo speed	0-255	Stepping time from fast to slow

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:

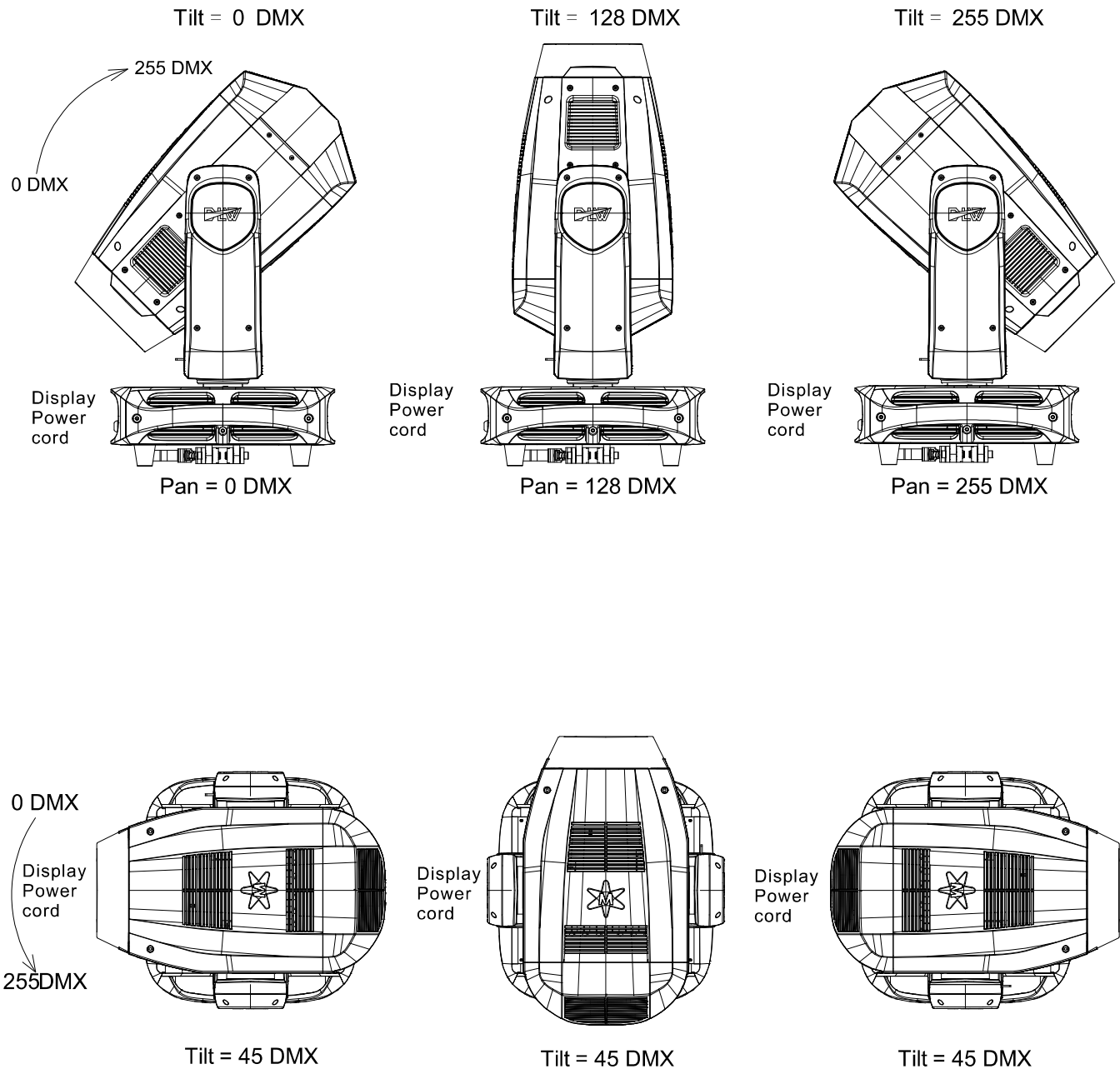
- Step motor or motor leading wire Maybe damaged.
- Drive circuit of motor may be damaged.

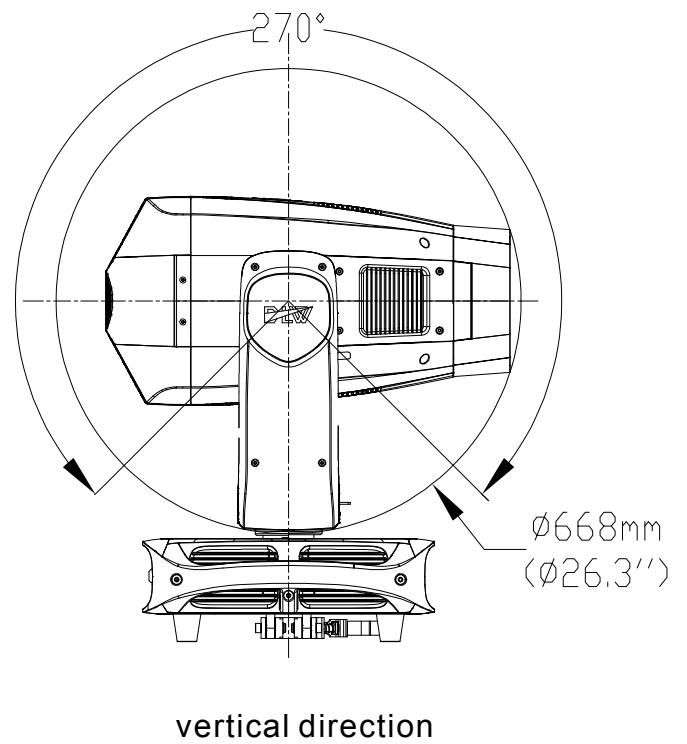
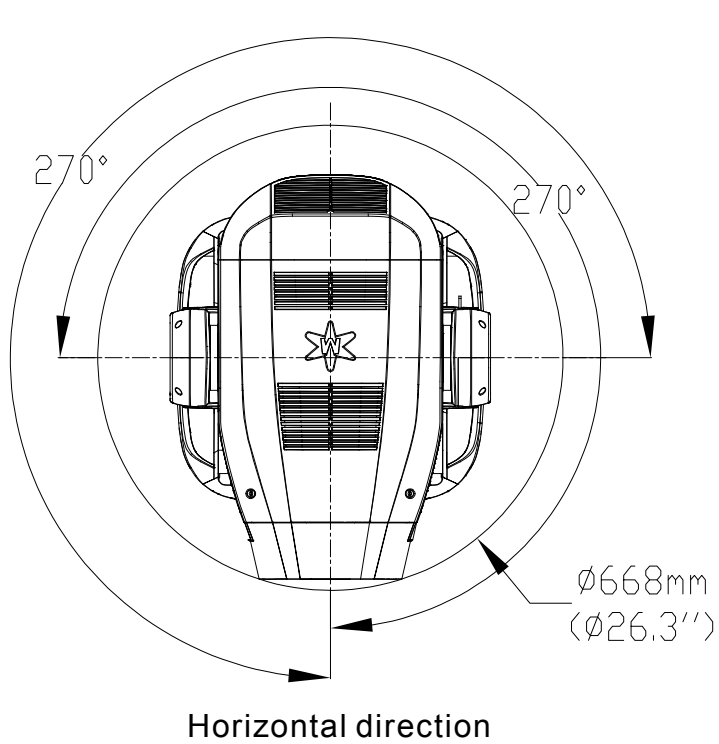
Lamp blinking:

- 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.

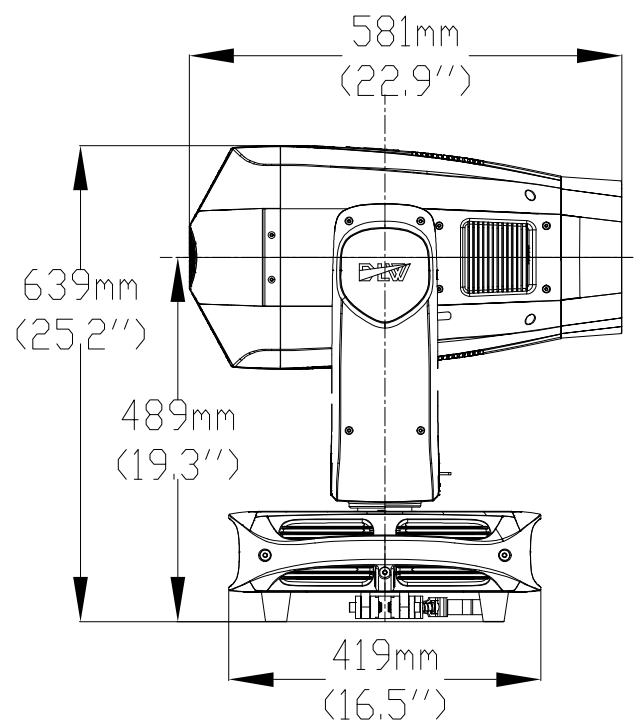
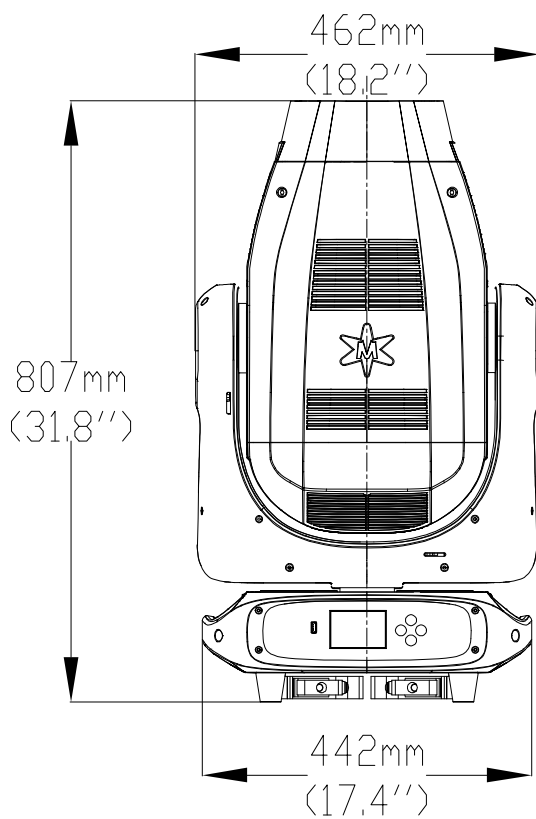
Attachment 1: Angle range and the measurement figure of the fixture

● Angle range of the fixture

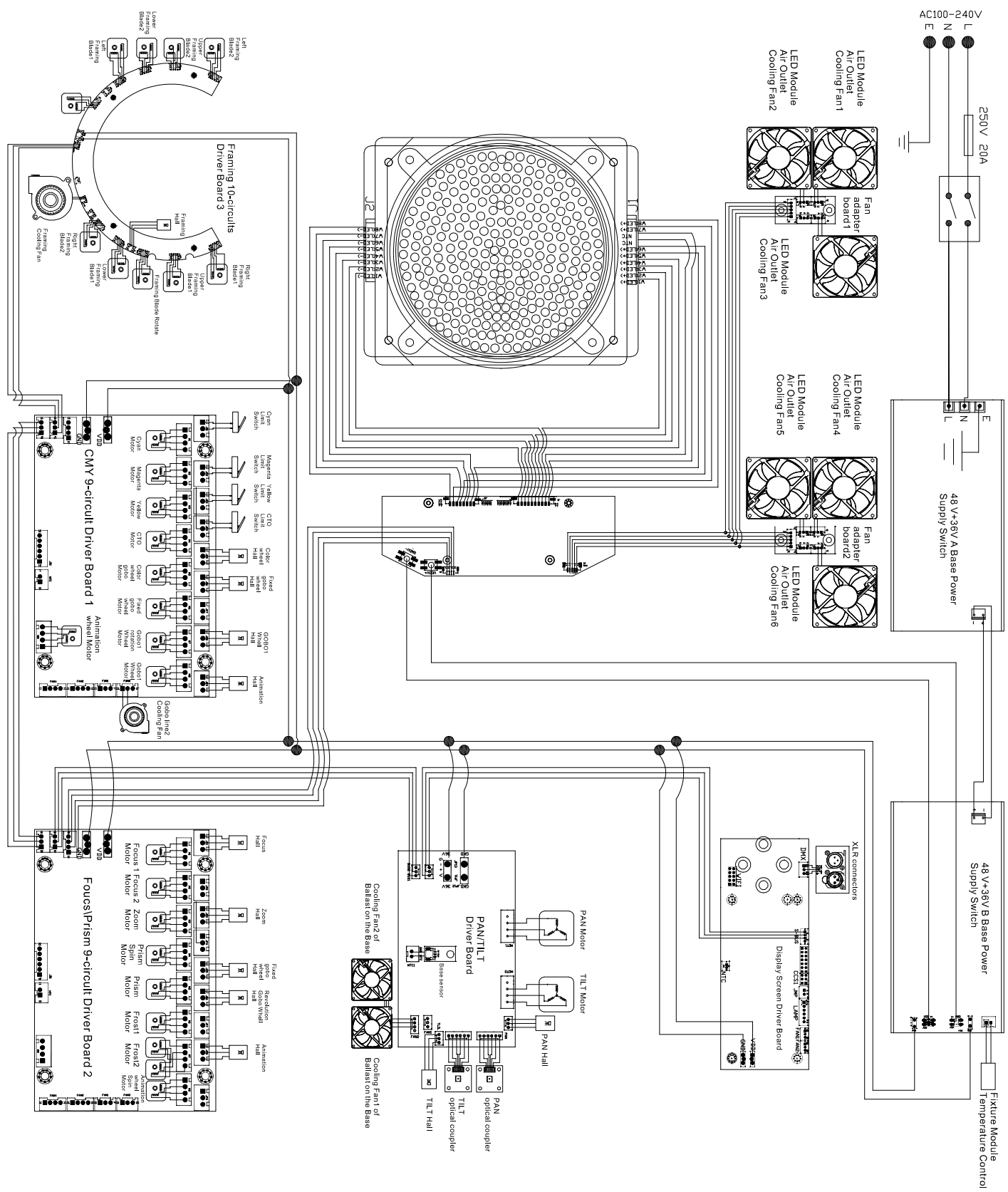




● The measurement figure of the fixture



Attachment 2:Electrical Diagram





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