X-1000 Spot PF

USER MANUAL
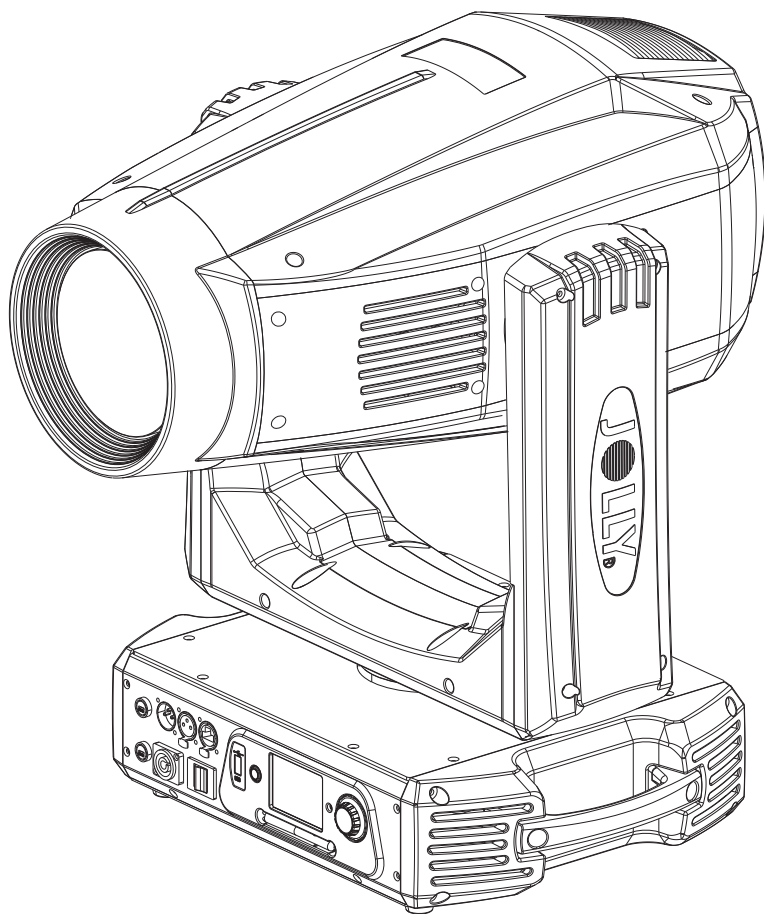
CE

JOLLY®

Table of content

Congratulations on choosing our products! Please carefully read this instruction manual in its entirety and keep it well for using reference. This manual contained about the installation and the relative using information of this products. Plese refere this manual's relative instruction when using this equipment.

1.Open–Package guidelines

This equipment is made of new style,high intensity plastic.It fully shows the modem times light charac teris-tic with teristic with beauty struture. And it is made accord to CE standard. Fully agree with the internation standard of DMX512 agreement.

When receive the product,please be careful to take and put,check if the product has damage or not be-cause of transportation, and check the following parts:

1.Signal cable-1PC   2.Safty cable-1PC
3.User Manval-1PC   4.Omega holder-2PCS
5.Power cable-1PC   5.Service card-1PC

1．1 Package

Unpacking the fixture

1.Open the flight case cover- Fig.1

2.With one person on each side, lift the fixture out of the flight case.

3.Unlock pan and tilt before operating fixture.

Packing the fixture

1.Disconnect the fixture from power and allow it to cool.

2.lock arms and head as figure.- Fig.2(PAN Mechanism Lock and Release (every 45°)
  - Fig.2-1)(Tilt Mechanism Lock and Release (every 45°) - Fig.2-2)

3.Place the fix ture in the bottom of the flight case, and cover the case without forcing.

Aviation box Fig.1

LOCKED   UNLOCKED

Head lock

Arm lock
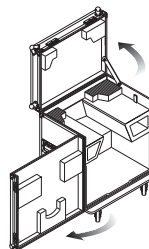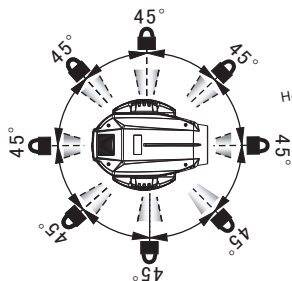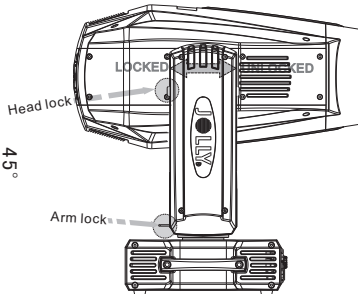
PAN Mechanism Lock Fig.2-1   Level vertical transportation lock Fig.2   Tilt Mechanism Lock   Fig.2−2
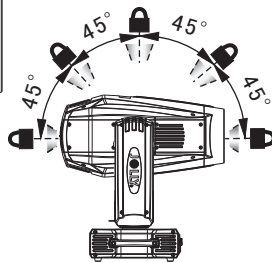
2.Safety instructions

Every person involvd with installation and maintenance of this device to:
-Be qualilfied
-Follow the instructions of this manual.

CAUTION!
Be careful with your operations.
With a high voltage you can suffer
a dangerous electric shock when touching the wires!

This device has been shipped with our premises in absolutely perfect condition.In order to maintain this co-ndition and toensure a safe operation,it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.
Important:
➢ The manufacturer will not accept liability for any resulting damages caused by the nonobservance of this manual or any unauthorized modification to the device.
➢ Please consider that damages caused by manual modifications to the device are not subject to warranty.

➢Never let the power-cord come into contact with other cables! Handle the power cord and all connections with particular caution!
➢Make sure that the available voltage is not higher than stated on the rearpanel.
➢Always plug in the power plug least. Make suer that the power-switch is set to off-position before you con ections with themains with particular caution!
➢Make sure that the power-cord is never crimped or damaged by sharp edges.Check the decice and the p- ower-cord from time to time.
➢ Always disconnect from the mains, when the device is not in use or before cleaning it.
➢Only handle the power-cord by the plug,Never pull out the plug by tugging the powercord.
➢This device falls under protection class I.Therefore it is essential to connect the yellow/green conductor to earth.
➢ The electric connection,repairs and servicing must be carried out by a qualified employee.
➢ Do not connect this device to a dimmer pack.
➢ Do not switch the fixture on and off in short intervals as this would reduce the lamp's life.
➢Do not touch the device's housing bare hands during its operation(housing becomes hot)!
➢For replacement use lamps and fuses of same type and rating only.

Eye damage!
Avoid looking directly into the light source(meant especially for epileptics)!

➢Minimum distance of illuminated objects
  The projector needs to be positioned so that the objects hit by the beam of light are at least 5 metres from the lens of the projector.

t_a 40℃
➢Maximum ambient temperature
  Do not operate the fixture if the ambient temperatuer(Ta) exceeds 40℃ (104℉).

t_c 80℃
➢Temperature of the external surface
  The maximum temperature that can be reached on the external surface of the fitting,in a ther- mally steadystate, is 80°C (176℉).

IP20
➢IP20 protection rating
  The fitting is protected against penetration by solid of over 12mm（0.47"）in diameter（first digit 2), but not against dripping water,rain,splashes or jets of water (second digit 0).

➢Indoor use only

➢Not suitable for household illumination

Risk Group 1
According to 1
En62471
➢Photobiological Safety
  CAUTION. Do not look directly at the light source.Do not look at the light beam with optical de- vices or any other tool that could cause light convergence.
  The fixture must be positioned so that the minimum distance between the front lens and human eye is at least 3metres to prevent personal photobiological risks.

➢Mounting surfaces
  It is permissible to mount the fitting on normally flammable surfaces.

CE
➢The products to which this manual refers comply with the European Directives purs- uant to :
  •2006/95/EC - Safety of electrical equipment supplied at low voltage（LVD）
  •2004/108/EC - Electromagnetic Compatibility (EMC)
  •2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)
  •2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)

➢Protection against electrical shock
  Connection must be made to a power supply system fitted with efficient earthing (Class I app- liance according to standard EN 60598-1).It is, moreover, recommended to protect the supply

lines of the projectors from indirect contact and/orshorting to earth by using appropriately sized residual current devices.

➢Disposing
This product is supplied in compliance with European Directive 2012/19/EU-Waste Electrical and Electronic Equipment (WEEE). To preserve the environment please dispose/recycde this product at the end of its life according to the local regulation.

➢Battery
This product contains a rechargeable lead-acid or lithium iron tetraphosphate battery.To preserve the environment,please dispose the battery at the end of its life according to the regulation in force.

➢Lamp
The fitting mounts a high-pressure lamp that needs an external igniter. This igniter is fitted onto the apparatus. -Carefully read the "operating instructions" provided by the lamp manufacturer.
-Immediately replace the lamp if damaged or deformed by heat.

➢Maintenance
Before starting any maintenance work or cleaning the projector,cut off power from the mains supply. After switching off, do not remove any parts of the fitting for at least 10 minutes. After this time the likelihood of the lamp exploding is virtually small.If it is necessary to replace the lamp,wait for another 15 minutes to avoid getting burnt.The fitting is designed to hold in any splinters produced by a lamp exploding.

3.Operating determinations

➢This device is a moving-head for creating decorative effects and was designed for indoor use only.

➢If the device ha been exposed to drastic temperature fluctuation(e.g.after transportation).do not weitch it on immediately.The arising condensation water might damage your device,Leave the device switched off until it has reached room temperature.

➢Never run the device without lamp!

➢Do not shake the device,Avoid brute force when installing or operating the device.

➢Never life the fixture by holding it at the projectorhead, as the mechanics may be damaged. Always hold the fixture at the transport handles.

➢When choosing the installation-spot,please make sure that the device is not exposed to heat,moisture or dust.There should not be any cables lying around.You endanger your own and the safety of others!

➢The minimum distance between light output and the illuminated surface must be more than 0.2 meters.

➢Make sure that the area below the installation place is blocked when rigging,derigging or servicing the fixture.

➢Always fix the fixture with an appropriate safety rope, Fix the safety rope at the correct holes only.

➢Operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastend.

➢The lamp must never be ignited if the objective-lens or any housing-cover is open, as discharge lamps may explose and emit a hign ultraviolet radiat, which may cause burns.

➢The maximum ambient temperature 40°C must never be exceeded.

➢Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!

➢Please use the original packaging if the device is to be transported.

➢Please consider that unauthorized modifications on the device are forbidden due to safety reasonsl.

➢If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void.Furthermore, any other operation may lead to dangers like short-circuit,burns, electric shict,burns due to ultraviolet radiation,lamp explosion,crash etc.

4.Rigging the fixture

4.1 Mounting

> **Pay attention to the regulations of CE.**
>
> **Installation by qualified staff to complete.**

☞ For the various mounting positions of the FIXTURE(standing on the floor, sideways or hanging different accessories kits are available.

☞ Through this a safe and firm installation is assured.

☞ You'll find special connectors on the bottom side of the system which are put to use here.

4. 2 Installing the Clamps

Please consider the respective national norm s during the Installation!The installation must only be carried out by an authorized dealer！

The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g.an appropriate catch net.This secondary safety attachment must be constructed in a way that no part of the installation can fall if the main attachment fails.

When servicing the fixture staying in the area below the installation place,on bridges,under high working places and other endangered areas is forbidden.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four year in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.

The projector should be installed outside areas where persons m ay walk by or be seated.

Important!Overhead rigging requires extensive expering CE, including（but not limited to）calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodilyinjury and or damage to property.

The projector has to be installed out of the reach of people.

If the projector shall be lowered from the ceiling or high joists, professional trussing system s have to be used. The projector must never be fixed swinging freely in the room .

Caution Projectors may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do not install the projector!

Before rigging make sure that the installation area can hold a minim um point load of 10 times the projector s weight.

The projector can be placed directly on the stage floor or rigged in any orientation on atruss without alte-ring its operation characteristics.

For overhead use,always install a safety-rope that can hold at least 10 times the weight of the fixture.You must only use safety-ropes with screw on carabines.Pull the safety-rope through the two apertures on the bottom of the base and over the trussing system etc.
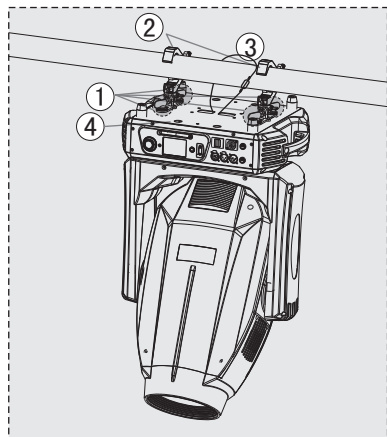
Warning: it is necessary to make sure that the installation location is perfectly appropriate, and the installation location is safe and reliable.

1	Lock catch
2	omega holder
3	secure chain
4	mounting plate
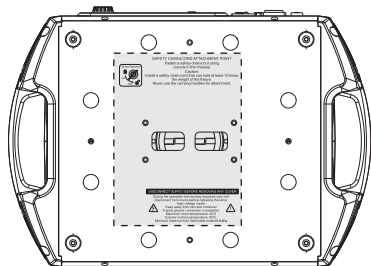
SAFETY CHAIN/CORD ATTACHMENT POINT
1/4 turn fasteners
CW
CCW
Fasten a safety chain/cord using cutouts in the chassis!
Caution:
Install a safety chain/cord that can hold at least 10 times the weight of the fixture.
Never use the carrying handles for attachment.

DISCONNECT SUPPLY BEFORE REMOVING ANY COVER
During the operation the housing becomes very hot!
Disconnect from mains before replacing the lamp.
High voltage inside.
Keep away from rain and moisture!
A good ground connection is essential.
Maximum room temperature: 40℃.
Exterior surface temperature: 80℃.
Minimum distance from flammable material:0.3m.

    According to the four screws broke open the back cover, back cover marked as shown direction turn to change the bulb to corresponding card slot can be removed. According to the chart Three screws rotating back cover,can adjust the bulb location. As shown in figure;
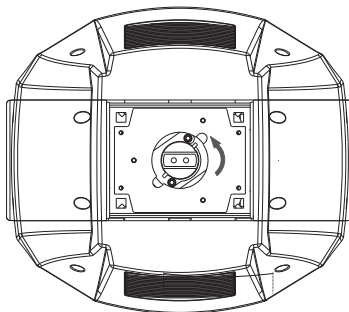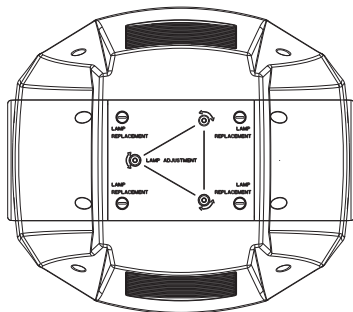
4.3 Power supply connection and cut off

Connect the light source to the main power source with the plug of the power cord, or cut off the power supply:

Connection: according to procedures, the power plug and socket is inserted into the groove one one alignment,rotation.

Cut off:according to procedures,press the button on the rotating plug,pull out.
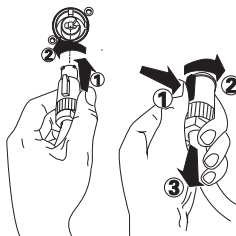
4.4 Power Connection

If you wish to change the power supply settings, see the chapter appendix Connect the fixture to the mains with the enclosed power cable and plug.

⚠ **Warning:** please verify the power of the power supply equipment prior to the connection! Earth wire must be grounded!

CABLE(EU)	CABLE(US)	Pin	INTERNATIONAL
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

4.5 DMX–512 connection/connection between fixtures

Only use stereo shieded cable and 3-pin XLR-plugs and connectors in order to connect.

DMX512
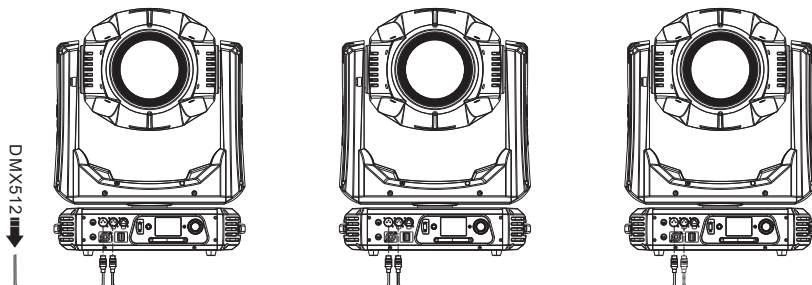
Caution

At the last fixture,the DMX-cable has to be terminated with a terminatou. solder a 120 resistor between signal(-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

DMX output   DMX iutput
3-pin XLR socket   3-pin XLR socket

1 : Ground
2 : Signal (−)
3 : Signal (+)

DMX output   DMX iutput
5-pin XLR socket   5-pin XLR socket

1 : Ground
2 : Signal (−)
3 : Signal (+)
4 : N. A.
5 : N. A.

DMX Terminator Diagram
-For installations where the DMX cable has to run a long distance or is In an electrically noisy environment it is recommended to use a DMX terminator. This help in preventing corruption of the signal by electrical noise. The DMX terminato r is simply an XLR plug witha 120Ω resistor connected between pins 2 and pins3, which is then plugged into a the output XLR socket of the last ifxture in the chain.

2 1
3
120Ω
PIN2 PIN3
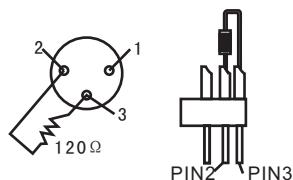
5.Description of the device

1. **Head**
   Tilt270° ,Fixture could auto reset.

2. **Arm**
   Pan630° ,Fixture could auto reset.

3. **Base**
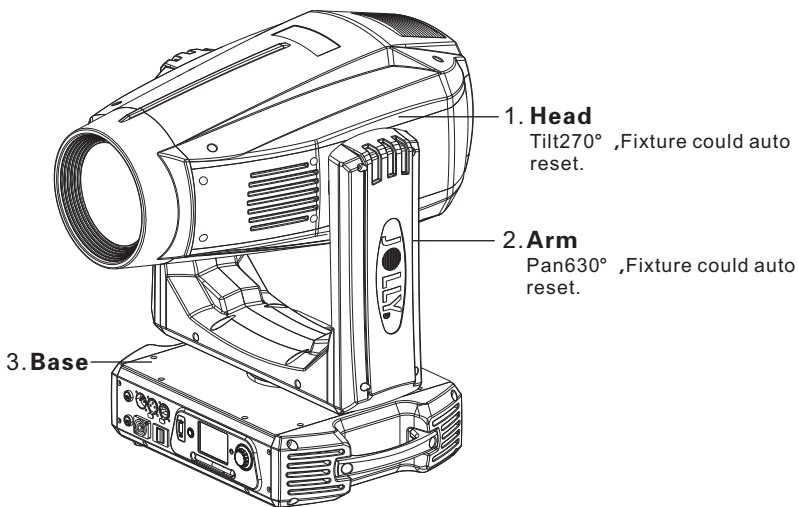
Display panel

4.5‒pin XLR female
5.Network interface
6.Power switch
7.Power‒in
8.Main Fuse
9.5‒pin XLR male
10. Display
11.Small button
12.WDMX wire
13. Knob
14. USB interface
15. Status indicator lamp

8 9 4 5 11 10 15 13
8 7 6 14 12

6.Dimension

240mm
(9.45″)

787.5mm
(31.00″)

470mm
(18.50″)

470mm
(18.50″)

336mm
(13.23″)

600mm
(23.62″)

610mm
(24. 01″)

470mm
(18.50″)
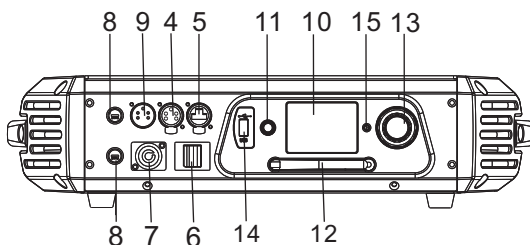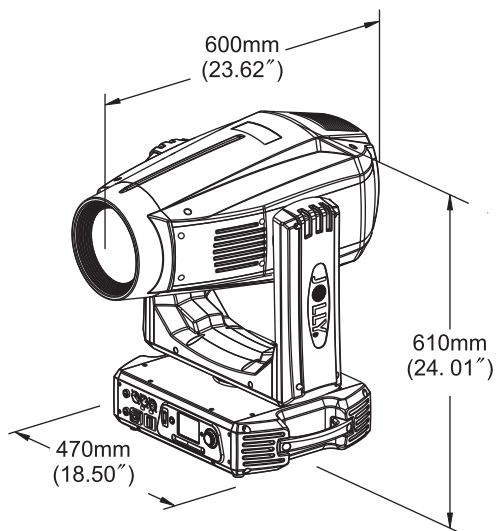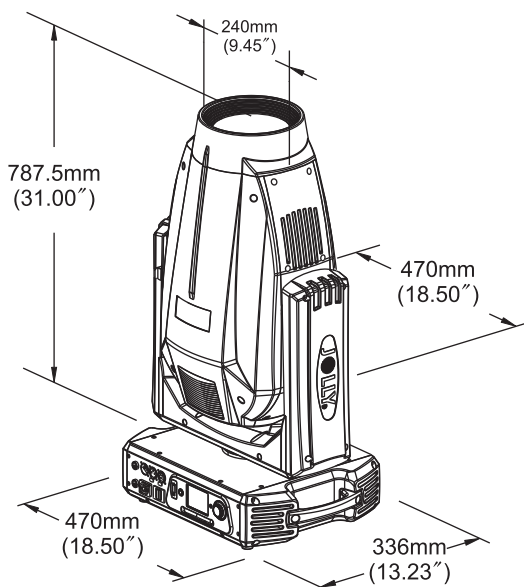
7.Display control

7.1 Navigation in the Menu

Using the buttons or touch screen, and this can be simply and easily set the address code and functions code.

If you view or modify the lighting feature set, then press ENTER button, the display will enter the menu interface. Both there is sub menu corresponding to the functional operation of the main menu. Each of the menus is representative of the specific features of the lamp. The specific contents shows as the table menu below.

Set or browse lighting function, press UP or DOWN button.

Press ENTER to save your changes or enter the submenu.Press the UP or DOWN can change the numerical (increase or decrease in value).

Press the MODE button to return to menu. Set a time 0 to 10 minutes automatically exit menu interface and close the screen.

7.2 Display Operation

Put through power supply, open the power switch of lamps and lanterns, display show the company LOGO website. According to the main interface, as shown in figure:

In the main interface, press "MODE" button to view the software version, press the "UP" "DOWN" can modify the DMX address.

If the screen " ⊙ " icon is green,said DMX signal connection is normal, this state can be used to check thelamps and lanterns and connection between the control table is normal.
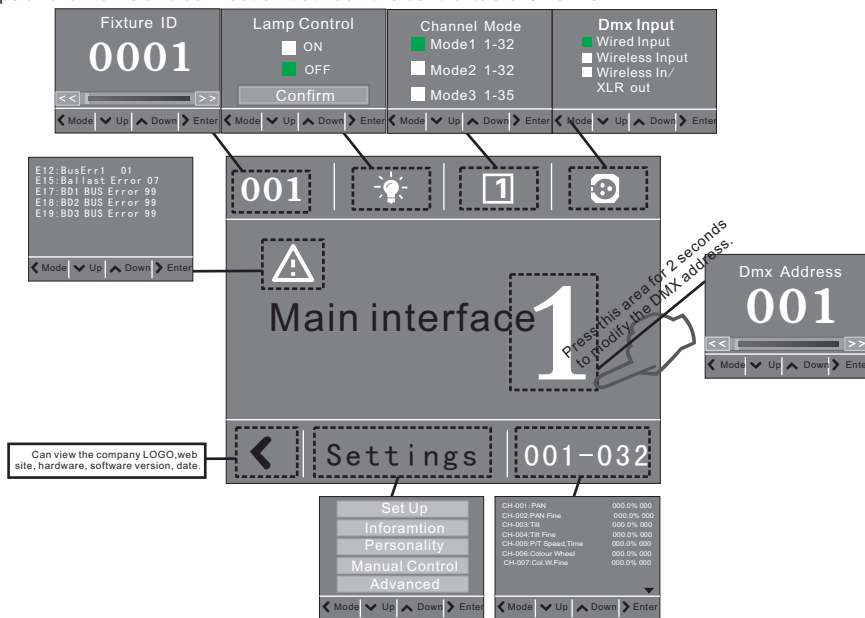
menu interface

This lamp can be set to turn off the automatic flip screen function, touch this " ↻ " icon can be manually flip screen.

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Click on the main interface of the icon, numerical to view view Settings related information of lamps and lanterns.Symbols such as the main interface appear "⚠ ",the following error message indicates that there might be a lamps and lanterns,can click to view and control information content to modify the lamps and lanterns.

CODE	ERROR MESSAGE	MEANS
E001	SpiFlashError	
E002	Program Err 1	Look for virtual communication signal lines or the main chip welding or short circuit
E003	Program Err 2	
E004	MBDInit Error	Change the main control chip or replace the display board
E005	BD1Init Error	Look for virtual communication signal lines,communication chip welding or short circuit
E006	BD2Init Error	
E007	BD3Init Error	
E008	BD4Init Error	
E012	BusErr1	
E013	BusErr2	Check whether the communication line is connected well or dial the code is wrong
E014	SPDError	
E016	MFpga Error	
E017	BD1 BUS Error	
E018	BD2 BUS Error	
E019	BD3 BUS Error	
E020	BD4 BUS Error	
E021	Pan FB. Err	Check the horizontal and vertical feedback line connection good or feedback IC do you have any empty welding, short circuit
E023	Tilt FB. Err	Check the horizontal and vertical origin line connection good or magnetic susceptibility do you have any empty welding, short circuit
E022	Pan Zero Err	Check the horizontal and vertical feedback line connection good or feedback IC do you have any empty welding, short circuit
E024	Tilt Zero Err	Check the horizontal and vertical origin line connection good or magnetic susceptibility do you have any empty welding, short circuit
E025	Prism Err1	
E026	Prism Err2	
E027	R.Gobo1 Err1	
E028	R.Gobo1 Err2	
E031	Zoom Err	
E032	Focus Err	
E033	St.Gobo Err	Check line magnetic susceptibility,magnets and magnetic susceptibility of distance and location, have the magnet.
E034	ColourW. Err	
E035	Iris Error	
E036	Cyan Err	
E037	Magenta Err	
E038	Yellow Err	
E039	Cto Err	
E040	Frost2 Err	
E042	B.Fan1Error	
E044	B.Fan2Error	
E046	B.Fan3Error	
E048	H.Fan1Error	
E050	H.Fan2Error	
E052	A.Fan Error	Check the fan cables, signal lines, fan
E054	L.Fan1Error	
E056	L.Fan2Error	
E058	L.Fan3Error	
E060	L.Fan4Error	
E061	Q.Fan Error	
E062	BD5 BUS Error	check Profile Module Calbes,Signal lines

7.3 Menu Maps

			Remark
Set up	**Dmx Address**	**001~XXX**	**Dmx Address**
	Channel Mode	**Mode1 1~32**	**default Mode1**
		Mode2 1~32	
		Mode3 1~35	
	Fixture Id	**0001~9999**	**Lamps address**
Information	**Fixture Times**	**XXXXX h XX m**	**Total working hours**
	Lamp Times	**Lamp On Times XXXXh XXm**	**Lamp On working hours**
		Lamp Strike XXXX	**Lamp Strike**
		Reset Lamp Time	**Reset Lamp Time**
	Error List		**Error details**
	Diagnosis	**BOARD 1: XX.XX%**	**Diagnosis**
		BOARD 2: XX.XX%	
		BOARD 3: XX.XX%	
		BOARD 4: XX.XX%	
		BOARD 5: XX.XX%	
	Fans Monitor		**Fans Monitor**
	DMX Values		**DMX Values**
	Error Logs		**Error Logs**
Personality	**Lamp**	**Power ON Light ON/OFF**	**Power ON Light (default OFF)**
		Lamp On By DMX ON/OFF	**Lamp On By DMX (default ON)**
		Lamp ON Delay 0~60m	**Lamp ON Delay (defaul 0m)**
	Pan/Tilt	**Pan Reverse ON/OFF**	**Pan Reverse (defaul OFF)**
		Tilt Reverse ON/OFF	**Tilt Reverse (defaul OFF)**
		Feedback ON/OFF	**Pan/Tilt Auto Switch (defaul ON)**
	Dmx Input	**Wired Input**	**Wired Input (defaul)**
		Wireless Input	**Wireless Input**
		Wireless In/XLR out	**Wireless In/XLR out**
	BlackOut	**P/T Moving**	**defaul OFF**
		Colour Moving	**defaul OFF**
		Gobo Moving	**defaul OFF**
	Screen	**Brightness**	**Brightness**
		Screen Time out 0~10m	**Screen Time out**
		Touch Screen ON/OFF	**Touch Screen (defaul OFF)**
		Auto Screen ON/OFF	**Auto Screen (defaul ON)**
Manual Control	**Lamp**	**Lamp Control ON/OFF**	**Lamp Control (defaul OFF)**
		Confirm	**Confirm**
	Reset	**Reset ALL**	
		Reset Pan/Tilt	
		Reset Colour	
		Reset Gobo	
		Reset Other	
	Channel		**Chanel Testing**
Advanced	**Calibration**	**Input Password XXXX**	**Chanel Adgusting**
	Factory Default	**ON/OFF**	**Reset to orignal parameters**
	Touch Calibration		**Touch screen adjusting**

8.DMX protocol

Mode1	Mode2	Mode3	Function	DMX Value
1	28	31	Pan,16–bit(MSB and LSB)	0–65535
2	29	32	Left→right(32768 = neutral)	
3	30	33	Tilt,16–bit(MSB and LSB)	0–65536
4	31	34	Up→down(32768 = neutral)	
5	7	8	**Colour Wheel**	
			Continuous Scroll	
			Open	0
			Open→Slot	1–14
			Slot1	15
			Slot1→Slot2	16–29
			Slot2	30
			Slot2→Slot3	31–44
			Slot3	45
			Slot3→Slot4	46–59
			Slot4	60
			Slot4→Slot5	61–74
			Slot5	75
			Slot5→Slot6	76–89
			Slot6	90
			Slot6→Slot7	91–104
			Slot7	105
			Slot7→Slot8	106–119
			Slot8	120
			Slot8→Open	121–127
			Open	128–140
			Stepped Scroll(snap to full color pisitions)	
			Slot1	141–145
			Slot2	146–150
			Slot3	151–155
			Slot4	156–160
			Slot5	161–165
			Slot6	166–170
			Slot7	171–175
			Slot8	176–180
			Open	181–185
			Continuous Rotation	
			CW, Fast→Slow CW	186–211
			Stop(This will stop the color wheel wherever it is at the	212–217
			CCW,Slow→Fast CCW	218–243
			Random color	
			Fast(1S)	244–247
			Medium(5S)	248–251
			Slow(10S)	252–255
6	3	4	**Cyan**	
			White →full cyan	0–255
7	4	5	**Magenta**	
			White →full magenta	0–255
8	5	6	**Yellow**	
			White →full yellow	0–255
9	6	7	**CTO**	
			Open (6000 K) →warm (3200 K)	0–255
10	8	9	**Breakup wheel**	
			Open	0–9
			Gobo 1	10–14
			Gobo 2	15–19
			Gobo 3	20–24
			Gobo 4	25–29
			Gobo 5	30–34
			Continuous gobo rotation:set gobo rotation speed on channels 11/12(Mode 1),9/10(Mode 2)or10/11(Mode 3)	
			Gobo 1	35–39
			Gobo 2	40–44

Mode1	Mode2	Mode3	Function	DMX Value
10	8	9	Gobo 3	45–49
			Gobo 4	50–54
			Gobo 5	55–59
			Gobo shake	
			Gobo 1, 360° slow →10° fast	60–89
			Gobo 2, 360° slow →10° fast	90–119
			Gobo 3, 360° slow →10° fast	120–149
			Gobo 4, 360° slow →10° fast	150–179
			Gobo 5, 360° slow →10° fast	180–209
			Continuous gobo wheel scroll with continuous gobo rotation: set gobo rotation speed on channels 11/12(Mode1)or9/10(Mode2),10/11(Mode3)	
			CW gobo wheel scroll, fast → slow	210–232
			CCW gobo wheel scroll, slow → fast	233–255
11	9	10	Breakup wheel: gobo indexing, rotation (16–bit fine, MSB and LSB) If indexed gobo is selected on channel 10 (Mode1) or 8 (Mode2) , 9(Mode3) Gobo indexing, 0° →360°	0–65535
12	10	11	If continuous gobo rotation is selected on channel 10 (Mode1) or 8 (Mode2) , 9(Mode3) No gobo rotation, gobo indexed at 0° CW, fast→slow No gobo rotation, gobo stops at current position CCW, slow→fast No gobo rotation, gobo indexed at 90°	0–600 601–32130 32131–32895 32896–64515 64516–65535
13	11	12	**FX wheel static gobos and animation effect**	
			Continuous FX wheel scrolling	
			Open	0
			Open → Gobo1	1–9
			Gobo 1	10
			Gobo 1 → Gobo 2	11–19
			Gobo 2	20
			Gobo 2 → Gobo 3	21–29
			Gobo 3	30
			Gobo 3 → Gobo 4	31–39
			Gobo 4	40
			Gobo 4 → Position 5	41–49
			Position 5	50
			Position 5 → Position 6	51–59
			Position 6	60
			Position 6 → Position 7	61–69
			Position 7	70
			Position 7 → Position 8	71–79
			Position 8	80
			Position 8 → Position 9	81–89
			Position 9	90
			Position 9 → Open	91–99
			Open	100–110
			Stepped FX wheel scrolling	
			Gobo 1	111–115
			Gobo 2	116–120
			Gobo 3	121–125
			Gobo 4	126–130
			Position 5	131–135
			Position 6	136–140
			Position 7	141–145
			Position 8	146–150
			Position 9	151–155
			Open	156–160
			Continuous FX wheel rotation: set rotation speed on channel 14 (Mode1)or 12 (Mode2),13(Mode3)	
			CW FX wheel rotation, fast →slow	161–189
			FX wheel stops at its current position	190

Mode1	Mode2	Mode3	Function	DMX Value
13	11	12	CCW FX wheel rotation, slow* →fast	191–219
			No function	220–226
			Animation movement functions: set speed on channel 14 (Mode1)or 12(Mode2),13(Mode3)	
			Smooth	227–229
			Organic	230–232
			Metronome	233–235
			Run forwards, fast rewind	236–238
			Run backwards, fast rewind	239–241
			Random gobo functions:set time on channel 14(Mode1)or 12(Mode2),14(Mode3)	
			Random animation range position	242–249
			Random gobo position	250–252
			Random FX wheel position	253–255
14	12	13	FX wheel animation speed	
			Stop	0–10
			Animation speed slow → fast	11–255
15	13	14	BLADE UP1	
			Blade Out→Blade In	0–255
16	14	15	BLADE UP2	
			Blade Out→Blade In	0–255
17	15	16	BLADE DW1	
			Blade Out→Blade In	0–255
18	16	17	BLADE DW2	
			Blade Out→Blade In	0–255
19	17	18	BLADE RG1	
			Blade Out→Blade In	0–255
20	18	19	BLADE RG2	
			Blade Out→Blade In	0–255
21	19	20	BLADE LF1	
			Blade Out→Blade In	0–255
22	20	21	BLADE LF2	
			Blade Out→Blade In	0–255
23	21	22	Framing Rotation	
			0~270	0–255
24	23	24	Prism	
			Prism off	0–10
			Prism indexing: set angle on ch. 24(Mode2) or 25(Mode1 or Mode3)	11–138
			Prism rotation: set direction and speed on channel. 24(Mode2) or 25 (Mode1 or Mode3)	139–255
25	24	25	Prism indexing angle, rotation speed and direction	
			If prism indexing is selected :Indexed angle 0° – maximum	0–255
			If prism rotation is selected :	
			Prism stop,indexed at 0°	0–2
			CW rotation, fast → slow	3–126
			Prism stop at its current position	127–129
			CCW rotation, slow → fast	130–253
			Prism stop, indexed at 45°	254–255
26	22	23	Frost	
			No frost → full fros	0–255
27	25	26	Iris	
			Close	252–255
			Slow open,fast close –fast open,fast close	212–251
			Fast open,slow close– fast open,fast close	172–211
			Slow pulsation fast pulsation	132–171
			Open →closed	0–131
28	26	27	Zoom, 16–bit (MSB and LSB)	0–65535
		28	Flood→spot	
23	21	29	Focus, 16–bit (MSB and LSB)	0–65535
		30	Infinity →near	
30	1	1	Strobe/shutter	
			Shutter closed (Lamp switches to 800 watt mode after shutter is closed for 3 seconds)	0–19
			Shutter open	20–49

Mode1	Mode2	Mode3	Function	DMX Value
30	1	1	Strobe, slow →fast	50–200
			Shutter open	201–210
			Random strobe, slow → fast	211–255
31	2	2	Dimmer fade (MSB)	0–255
		3	Dimmer fade, fine (LSB)	0–255
32	32	35	No function	0–9
			Reset entire fixture –3 sec.	10–14
			Reset dimmer and shutter only –3 sec.	15–19
			Reset CMY, CTO and color wheel only –3 sec.	20–24
			Reset effects(breakup,FX wheels,iris,prism,frost,zoom, focus) only –3 sec.	25–29
			Reset pan and tilt only –3 sec.	30–34
			No function	35–39
			Lamp on –3 sec	40–44
			Lamp off –3 sec.	45–49
			No function	50–104
			Disable zoom/focuslinking –1 sec.	105–109
			Enable zoom/focus linking, near distance(5 meters) –1 sec.	110–114
			Enable zoom/focus linking, mediumdistance(8 meters)(default setting) –1 sec.	115–119
			Enable zoom/focus linking, far distance(12 meters) –1 sec.	120–124
			Ballast output full, set to 100% (default setting) –1 sec	125–126
			Ballast output reduced to 90%	127–128
			Ballast output reduced to 80%	129–130
			Ballast output reduced to 70%	131–132
			Ballast output reduced to 60%	133–134
			Beam smoothing=ON –1sec.	135–139
			Beam smoothing=OFF –1sec.(default setting)	140–144
			Pan/Tilt Moving blackout=ON–1sec.	145–149
			Pan/Tilt Moving blackout=OFF–1sec.(default setting)	150–154
			Colour Moving blackout=ON–1sec.	155–159
			Colour Moving blackout=OFF–1sec.(default setting)	160–164
			Gobo Moving blackout=ON–1sec.	165–169
			Gobo Moving blackout=OFF–1sec.(default setting)	170–174
			No function	175–224
			autofocus priority BLADE	225–229
			autofocus priority rotation gobo	230–234
			autofocus priority FX wheel	235–239
			autofocus priority Iris	240–244
			No function	245–255

9.Maintance and cleaning

DANGER:Disconnect from the mains before starting any maintenance work.

It is absolutely essential that the fixture is kept clean and that dust,dirt and smoke fluid residues must not buildup on or within the fixture. Otherwise, the fixtures light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably through out its life. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circum stances should alcohol or solvents be used!

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues,reducing the light-output very quickly.The cooling-fans should be cleaned monthly.

The gobos may be cleaned with a soft brush,The interior of the fixture should be cleaned at least annually usinga vacuum-cleaner or an air-jet.

There are no serviceable parts inside the device except for the lamp and the fuse.

Replacing the fuse: If the lamp burns out,the fine-wire fuse of the device might fuse,too.Only replace the fuse by a fuse of same type and rating.Before replacing the fuse,unplug mains lead.

Maintenance and maintenance of the operation, please contact the manufacturer or distributor.

10.Electric equipment specification

10.1 Electrical paramters

SOURCE:OSRAM 1000W/PS Lok-it! /PHILIPS MSR GOLD 1000 MiniFastfit

POWER:1203W

VOLTAGE:AC120-240V 50/60HZ

Color temperature：6000K

10.2 Weight and dimensions

Dimensions：600X470X610mm

NET WEIGHT:42.67Kg

Dimensions（Carton package）：746X596X751mm

WEIGHT（Carton package）：52.2Kg

Dimensions（Air boxes -1 lights):690X530X855mm
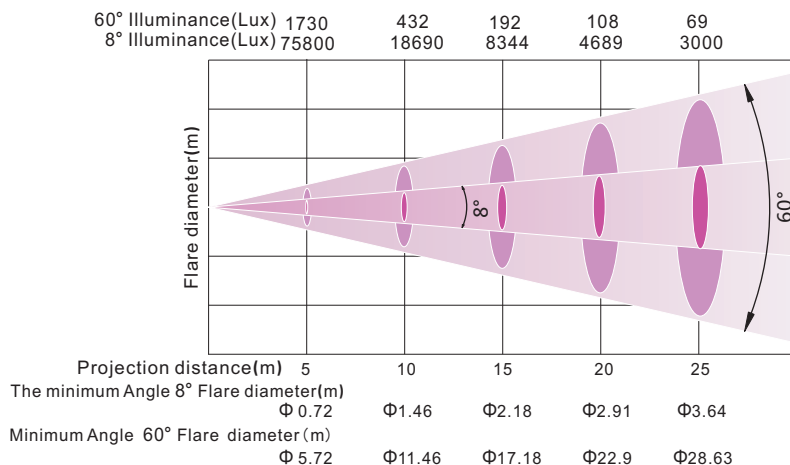
NET WEIGHT/WEIGHT（Air boxes -1 lights）：38.75Kg/82.75Kg

10.3 Channel Characteristics

1.Channel:32、32、35DMX-512**.**

2.Scan: Pan630°,Tilt270°,Fixture could auto reset.

3.Colour wheel:One open+8colors.

4.RGobo wheel :one open+5 gobos.

5.GoboR wheel: one open **+ 4** gobos+FX

6.Frost：linear frost

7.Focus**:** linear focus.

8.Shutter**:** electronic shutter**,** random strobe.

9.Demmer**:** limear dimmer.

10. Prism system**:** prism effect**,** with rotating.

11. Zoom:linear amplifier.

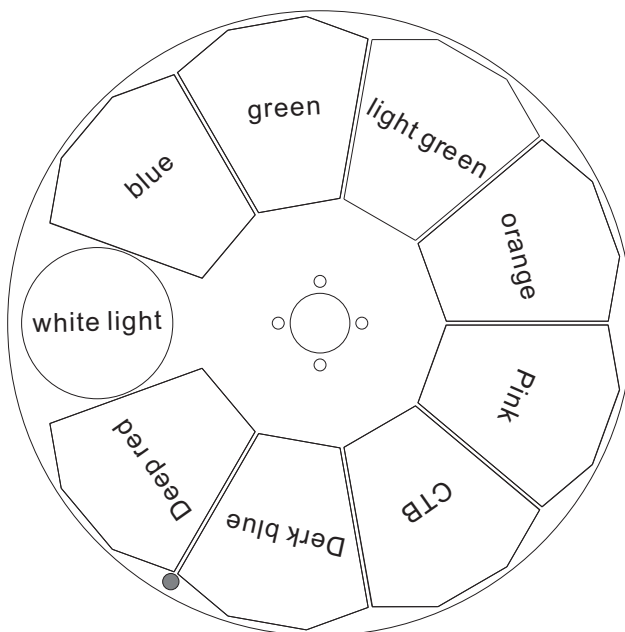**12.**Four edges cut design modelling system.

10.4 Menu Function

1.Touch screen，English menu.

2.Each DMX Value displayable.

3.Monitor could ON**/**OFF automatically**.**

4.Show fixture**,** lamp use time**.**

5.Lamp on/ff when power on**.**

6.Auto error detection.

7.Wireless input,wired input,wirelss in/xlr out.

8.When dimmer is closed,It supports energy saving mode,power consumption of the bulb will be 80% less, which will prolong lifetime of the bulb and make. It more stable

9.Remote ON by DMX**.**

10. You can switch on and off the lamp via the control panel or via your DMX controller. It must be noted that it has to be cold before re-stricking.

11. Software upgrade function.

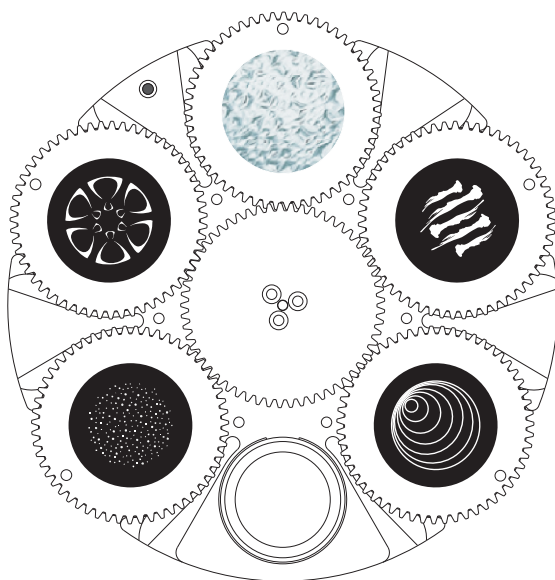**12**.DMX signal after disconnecting display brightness alternately.

10.5 light table

| 60° Illuminance(Lux) | 1730 | 432 | 192 | 108 | 69 |
| 8° Illuminance(Lux) | 75800 | 18690 | 8344 | 4689 | 3000 |

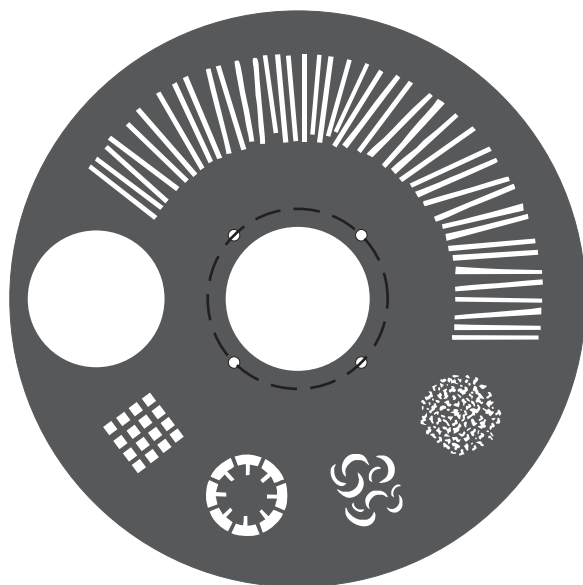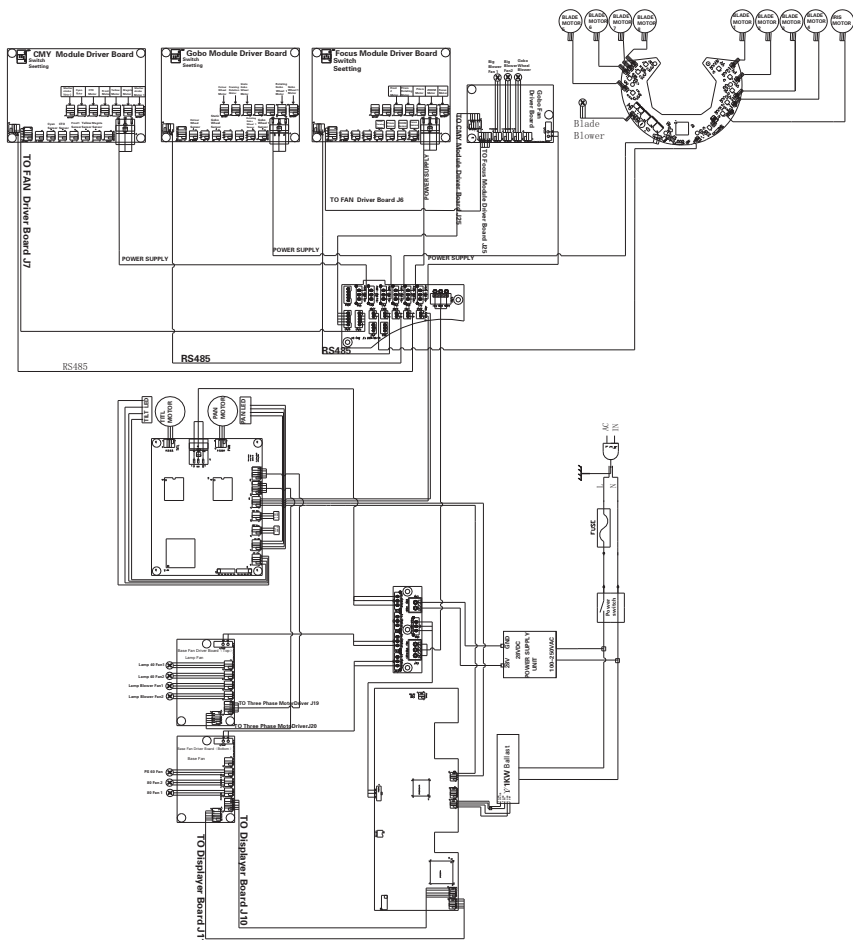| Projection distance(m) | 5 | 10 | 15 | 20 | 25 |
| The minimum Angle 8° Flare diameter(m) | Φ 0.72 | Φ1.46 | Φ2.18 | Φ2.91 | Φ3.64 |
| Minimum Angle 60° Flare diameter（m） | Φ 5.72 | Φ11.46 | Φ17.18 | Φ22.9 | Φ28.63 |

10.6 Color wheel

10.7 Gobo wheel

RGOBO WHEEL

GOBOR WHEEL

11.Electronic drawing

Note: The above contents for reference only and is subject to change without prior notice, please take specification you have on hand and our company reserves the final right of interpretation.

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