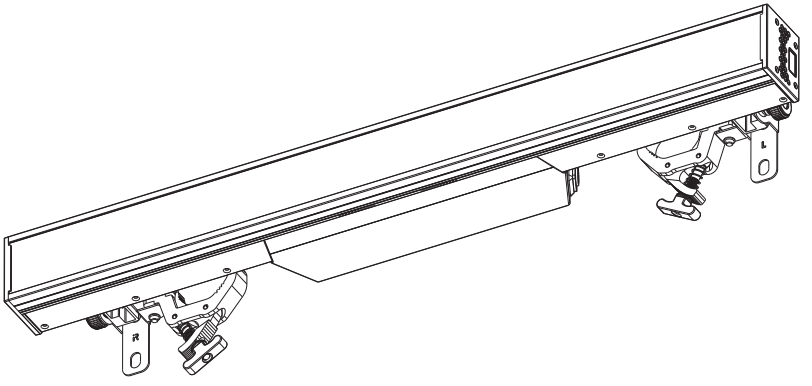
LT-300 PS II

USER MANUAL



CE

Version:1.0

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 teristic 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 because of transportation, and check the following parts:

1.Signal cable-1PC
2. Safty cable-1PC
3.User Manval-1PC
4. Power cable-1PC
5.Service card-1PC
6. Mounting clamp-2PCS

1.1Package

Unpacking the fixture

1.Open the flight case cover.

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

Packing the fixture

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

2.Adjust the rotating support ,place it in the box.

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 condition 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 power-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 0.80 metres from the lens of the projector.

t_a 45°C

➢ Maximum ambient temperature
Do not operate the fixture if the ambient temperatuer(Ta) exceeds 45°C (113°F).

t_c 80°C

➢ Temperature of the external surface
The maximum temperature that can be reached on the external surface of the fitting,in a thermally steadystate, is 80°C (176°F).

IP 65

➢ IP65 protection rating
Completely prevent external intrusion and dust entering. Avoid the damages to devices of water coming from the nozzle from different directions.

➢ Photobiological Safety
CAUTION.Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eyes.

➢ Light collimation system
This product contains internal light collimation system. Avoid intense light from any angle.

➢ The products to which this manual refers comply with the European Directives pursuant to:
- Safety of electrical equipment supplied at low voltage (LVD)
  EN 60598-1:2015
  EN 60598-2-17:1989+A2:1991
- Electromagnetic Compatibility (EMC)
  EN55015:2013/A1:2015
  EN 61000-3-2:2014
  EN 61000-3-3:2013
  EN61547:2019

Protection against electrical shock
Connection must be made to a power supply system fitted with efficient earthing (Class I appliance 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.

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).donot 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 altering 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.

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:

4.4 Power Connection

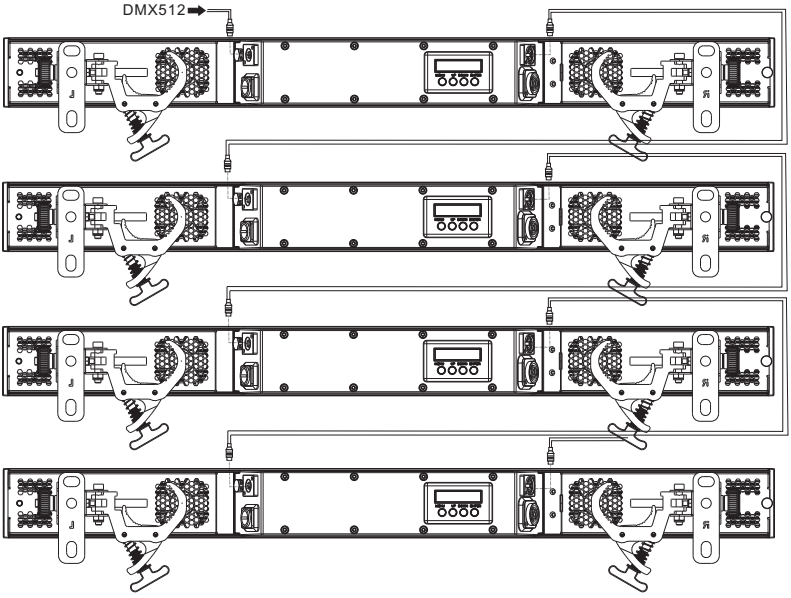
If you wish to change the power supply settings, see the chapter appendix Connect the fixture to the mains with the enclosed power cable and plug.

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.



Max loop 3 fixture at 110V, Max loop 6 fixture at 240V.

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.

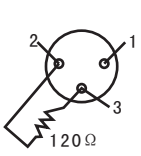
DMX output
3-pin XLR socket

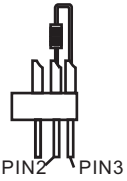
DMX iutput
3-pin XLR socket

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

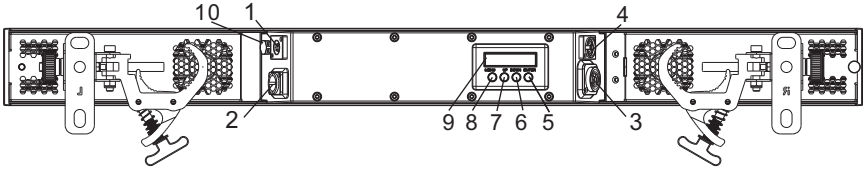
DMX Terminator Diagram

-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.



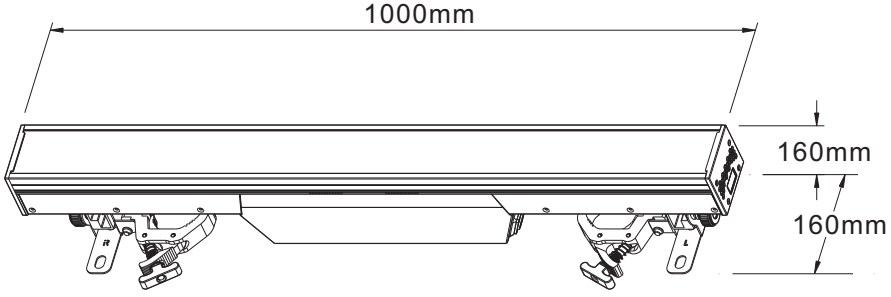


5.Description of the device



1.Power-In
2.3-pin XLR male
3.3-pin XLR female
4.Power-Out
5.ENTER button
6.DOWN button
7.UP button
8.MODE button
9.LED display
10.Respirator

6.Dimension



7.Display control

7.1 Navigation in the Menu

Using the buttons, and this can be simply and easily set the address code and function 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.

7.2 Menu Maps

Setup	DMX Adress	1–XXX	
	DMX Mode	Mode 1	Note: once turn ON or OFF reduce 1 Smart Glass DMX–Channels auomatically.
		Mode 2	
		Mode 3	
		Mode 4	
		Mode 5	
		Mode 6	
	No DMX	Shutter/Closed*	
		Hold	
		Static Mode	
Personality	Dimmer Curve	Linear *	
		Theatrical	
		Square Law	
		Inverse Square	
	Dimmer Speed	Fast*	
		Smooth	
	PWM	1200 Hz*	
		2400 Hz	
		4800 Hz	
		9600 Hz	
		25000 Hz	
	Display	On*/Off	
	RDM	On*/Off	
	Reverse LED	Off*/ON	
	Smart Glass	DMX*	
		OFF	Note: once turn ON or OFF reduce 1 Smart Glass DMX–Channels auomatically.
		ON	
	Boot Animation	Disable	
		Enable*	

Static Mode	Red	0–255	
	Green	0–255	
	Blue	0–255	
	White	0–255	
	Preset CCTs	0–255	
	Shutter	0–255	
	Dimmer	0–255	
	Shape Selection	0–255	
	Shape Speed	0–255	
	Shape Fade	0–255	
	Shape R	0–255	
	Shape G	0–255	
	Shape B	0–255	
	Shape W	0–255	
	Shape Shutter	0–255	
	Shape Dimmer	0–255	
	Reset All	0–255	
Service	LED Calibration (Password:xxxx)	Red Min.	0–255 (0*)
		Green Min.	0–255 (0*)
		Blue Min.	0–255 (0*)
		White Min.	0–255 (0*)
		Red Max.	0–255 (255*)
		Green Max.	0–255 (255*)
		Blue Max.	0–255 (255*)
		White Max.	0–255 (255*)
	Factory Default	NO/Yes	
Information	Fixture time	Resettable	xxx H xxM
		Total	xxx H xxM
		Clear Resettable	Clear/Cancel
	Fixture Temp.	Actual	xxx C/F
		Max	xxx C/F
		Reset Max	Cancel/Confirm
	DMX Monitor		
	Firmware version	x.x.x.x	
	UID	xxxxxx	

8.DMX protocol

Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Fade Type	Function	Dmx Value
1	1	1	1	1	*	Red	0→100%	0 – 255
*	2	*	*	*	*	Red fine	0→100%	0 – 255
2	3	2	2	2	*	Green	0→100%	0 – 255
*	4	*	*	*	*	Green fine	0→100%	0 – 255
3	5	3	3	3	*	Blue	0→100%	0 – 255
*	6	*	*	*	*	Blue fine	0→100%	0 – 255
4	7	4	4	4	*	White	0→100%	0 – 255
*	8	*	*	*	*	White fine	0→100%	0 – 255
5	9	5	5	*	*	Preset CCTs	NO Function	0 – 5
							2800K–2900K	6 – 13
							2900K–3000K	13 – 20
							3000K–3100K	20 – 27
							3100K–3200K	27 – 34
							3200K–3300K	34 – 41
							3300K–3400K	41 – 48
							3400K–3500K	48 – 55
							3500K–3600K	55 – 62
							3600K–3700K	62 – 69
							3700K–3800K	69 – 76
							3800K–3900K	76 – 83
							3900K–4000K	83 – 90
							4000K–4100K	90 – 97
							4100K–4200K	97 – 104
							4200K–4300K	104 – 111
							4300K–4400K	111 – 118
							4400K–4500K	118 – 125
							4500K–4600K	125 – 132
							4600K–4700K	132 – 139
							4700K–4800K	139 – 146
							4800K–4900K	146 – 153
							4900K–5000K	153 – 160
							5000K–5100K	160 – 167
							5100K–5200K	167 – 174
							5200K–5300K	174 – 181
							5300K–5400K	181 – 188
							5400K–5500K	188 – 195
							5500K–5600K	195 – 202
							5600K–5700K	202 – 209
							5700K–6000K	209 – 216
							6000K–6500K	216 – 223
							6500K–7000K	223 – 230
							7000K–7500K	230 – 237
							7500K–8000K	237 – 244
							8000K	244 – 255
6	10	6	6	*	*	Shutter	Open	0 – 10
							Close	11 – 15
							Random Strobe	16 – 47

Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Fade Type	Function	Dmx Value
6	10	6	6	*	*	Shutter	Ramp Up	48 – 79
							Ramp Down	80 – 111
							Ramp Up & Ramp Down	112 – 143
							Strobe (Slow1hz–>Fast25hz)	144 – 239
							Close	240 – 249
							Open	250 – 255
7	11	7	7	*	*	Dimmer	Dimmer 0–100%	0 – 255
8	12	8	8	*	*	Dimmer fine	Dimmer fine 0–100%	0 – 255
9	13	9	9	*	*	Function	Reserved	0 – 55
							Dimmer Speed: Smooth	56 – 60
							Dimmer Speed: Fast	61 – 65
							Reserved	66 – 70
							Dimmer Curve: Linear	71 – 75
							Dimmer Curve: Threatrical	76 – 80
							Dimmer Curve: Sqaure Law	81 – 85
							Dimmer Curve: Inverse Sqaure Law	86 – 90
							Reserved	91 – 95
							No DMX: Shutter Closed	96 – 100
							No DMX: Hold	101 – 105
							No DMX: Static Mode	106 – 110
							Reserved	111 – 200
							PWM Rate: 1200 Hz	201 – 205
							PWM Rate: 2400 Hz	206 – 210
							PWM Rate: 4800 Hz	211 – 215
							PWM Rate: 9600 Hz	216 – 220
							PWM Rate: 25000 Hz	221 – 225
							Reserved	226 – 255
*	*	*	10	*	*	Shape Red 1	0→100%	0 – 255
*	*	*	11	*	*	Shape Green 1	0→100%	0 – 255
*	*	*	12	*	*	Shape Blue 1	0→100%	0 – 255
*	*	*	13	*	*	Shape White 1	0→100%	0 – 255
*	*	*	14	*	*	Shape Red 2	0→100%	0 – 255
*	*	*	15	*	*	Shape Green 2	0→100%	0 – 255
*	*	*	16	*	*	Shape Blue 2	0→100%	0 – 255
*	*	*	17	*	*	Shape White 2	0→100%	0 – 255
*	*	*	18	*	*	Shape Red 3	0→100%	0 – 255
*	*	*	19	*	*	Shape Green 3	0→100%	0 – 255
*	*	*	20	*	*	Shape Blue 3	0→100%	0 – 255
*	*	*	21	*	*	Shape White 3	0→100%	0 – 255
…	…	…	…	…	…	…	…	…
*	*	*	66	*	*	Shape Red 15	0→100%	0 – 255
*	*	*	67	*	*	Shape Green 15	0→100%	0 – 255
*	*	*	68	*	*	Shape Blue 15	0→100%	0 – 255
*	*	*	69	*	*	Shape White 15	0→100%	0 – 255
*	*	10	70	*	*	Shape Selection	No Effect	0 – 5
							Static Pattern	6 – 63
							No Effect	64 – 79
							Animated Pattern	80 – 159
							Random Pixel	160 – 169
							No Effect	170 – 255

Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Fade Type	Function	Dmx Value
*	*	11	71	*	*	Shape Speed	Pattern 1 Speed 0–100%	0 – 255
*	*	12	72	*	*	Shape Fade	Pattern 1 Fade 0–100%	0 – 255
*	*	13	*	*	*	Shape Red	Pattern 1 Red 0–100%	0 – 255
*	*	14	*	*	*	Shape Green	Pattern 1 Green 0–100%	0 – 255
*	*	15	*	*	*	Shape Blue	Pattern 1 Blue 0–100%	0 – 255
*	*	16	*	*	*	Shape White	Pattern 1 White 0–100%	0 – 255
*	*	17	73	*	*	Shape Strobe	Open	0 – 10
							Strobe (Slow3hz–>Fast25hz)	11–200
							Close	200–240
							Open	241–255
*	*	18	74	*	*	Shape Dimmer	Shape Dimmer 0–100%	0 – 255
*	*	*	*	*	1	Red 1	0→100%	0 – 255
*	*	*	*	*	2	Green 1	0→100%	0 – 255
*	*	*	*	*	3	Blue 1	0→100%	0 – 255
*	*	*	*	*	4	White 1	0→100%	0 – 255
*	*	*	*	*	5	Red 2	0→100%	0 – 255
*	*	*	*	*	6	Green 2	0→100%	0 – 255
*	*	*	*	*	7	Blue 2	0→100%	0 – 255
*	*	*	*	*	8	White 2	0→100%	0 – 255
*	*	*	*	*	9	Red 3	0→100%	0 – 255
*	*	*	*	*	10	Green 3	0→100%	0 – 255
*	*	*	*	*	11	Blue 3	0→100%	0 – 255
*	*	*	*	*	12	White 3	0→100%	0 – 255
…	…	…	…	…	…	…	…	…
*	*	*	*	*	57	Red 15	0→100%	0 – 255
*	*	*	*	*	58	Green 15	0→100%	0 – 255
*	*	*	*	*	59	Blue 15	0→100%	0 – 255
*	*	*	*	*	60	White 15	0→100%	0 – 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:R 240 LED 1W+G 240 LED 1W+B 240 LED 1W+W 240 LED 1W
Max POWER:800W
VOLTAGE:AC100-240V 50/60HZ
Color temperature：6500K(W)

10.2 Weight and dimensions

Dimensions：1000X160X160mm
NET WEIGHT:10Kg

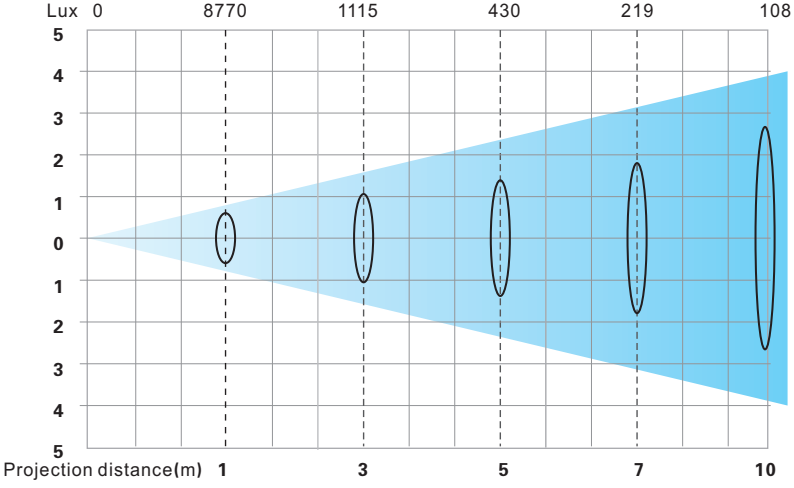
10.3 Channel Characteristics

1.Channel:10、14、19、75、5、61 DMX-512.
2.Dimmer: limear dimmer.
3.Shutter: electronic shutter, random strobe.
4.LED individual control, preseting automatical temperature control system.

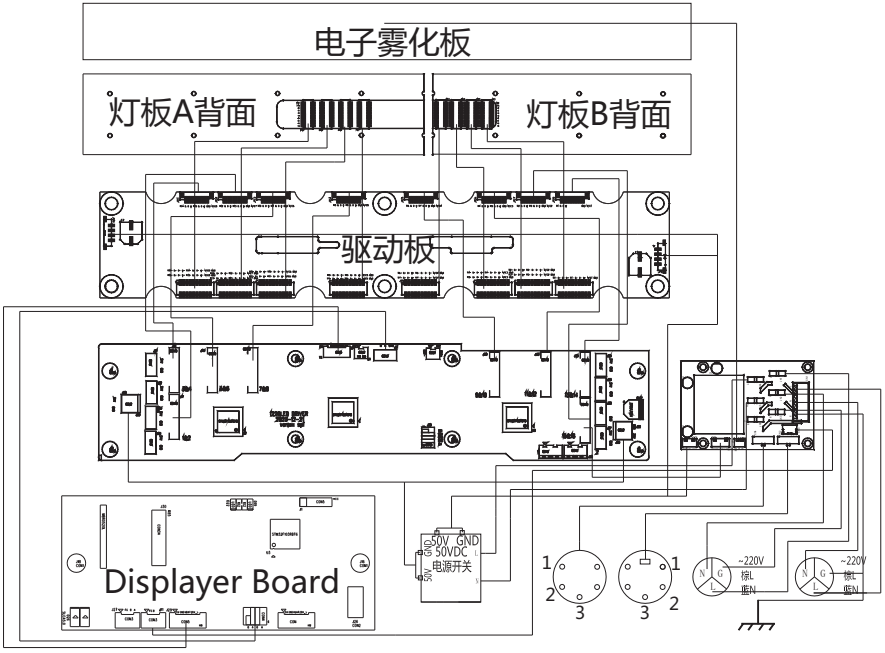
10.4 Menu Function

1.OLED display.
2.Display the time using of lighting feature and lamp as well as the times of turning on for lamp.
3.After the DMX signal is disconnected, the display will be bright and dark.
4.Software upgrade function.

10.5 light table



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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