Radiant 3240
Wall Washer RGBW

4in1 LED Light
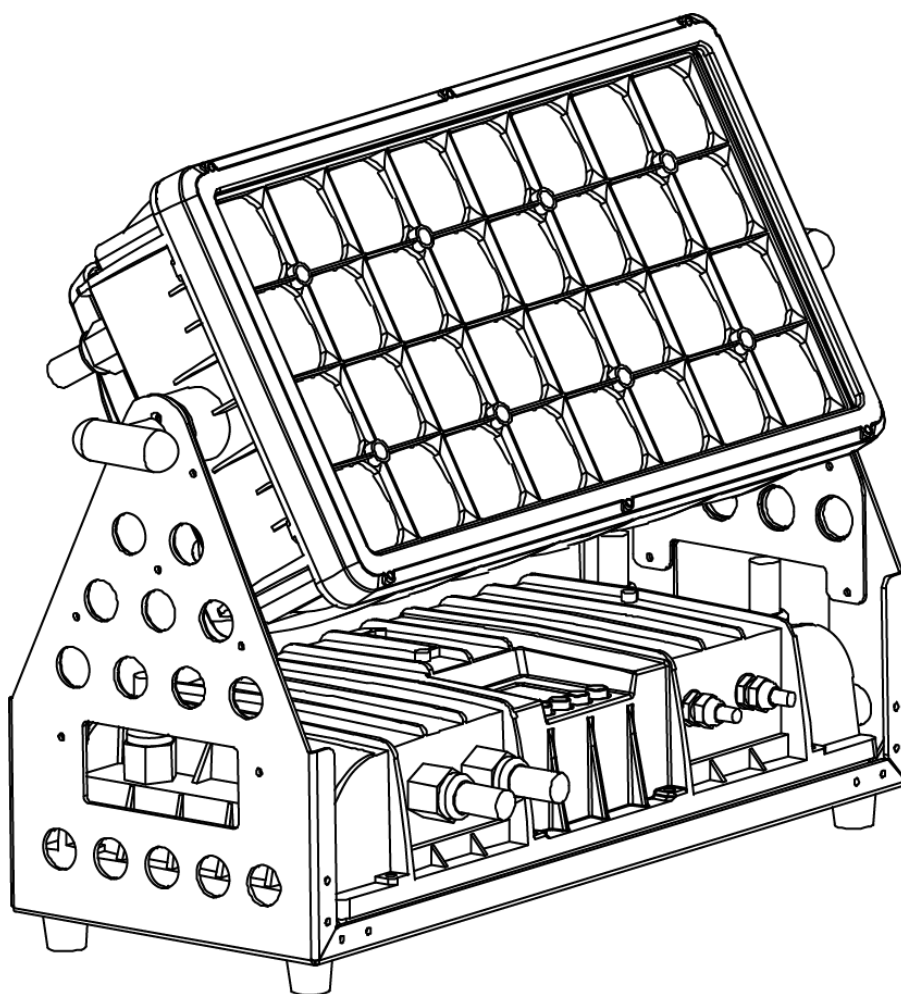
USER MANUAL

FXLIGHTING
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Statement

Fixtures should be fastened on the hooks/ bracket with screws. Make sure the installation is secure to prevent chattering and slipping during operation. Also make sure that the structure of the connected luminaire can support the luminaire 10 times the weight. At the same time, when installing the lamps, they also use a safety rope to support the weight of the lamps by 12 times.

The installation of the equipment should be carried out by professionals, and it should also be installed in places where people can't reach them casually or where no one is free to pass by.

1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

➢ Unpack and check carefully there is no transportation damage before using the unit.

➢ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

➢ It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

➢ The unit is for outdoor use.

➢ The unit must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

➢ Disconnect main power before replacement or servicing.

➢ Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

➢ Use safety cable when fixes this unit. Do not handle the unit by taking its head only, but always by taking its base.

➢ Maximum ambient temperature is : 40℃. Do not operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. Do not touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

➢ The event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact us for the technical support.

➢ Do not touch any wire during operation as high voltage might be causing electric shock.

1.1 Warning

➢ To prevent or reduce the risk of electrical shock or fire,Do not submerge the waterproof light under water.

➢ Do not open the unit within five minutes after switching off.

➢ The housing, the lenses, must be replaced if they are visibly damaged.

1.2 Caution

There are no user serviceable parts inside the unit.   If the service breaks down, you can contact us directly to

teach you how to repair it, or send it back to us and we will send it back to you after it is repaired.

1.3 Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Light Source:	32 x 40W 4in1 RGBW LED
Beam Angle:	38°
Power Consumption:	1050W
Power Voltage:	AC 100-240V, 50/60Hz
Dimension:	514*222*324 mm
Net Weight:	15 KG
Package	
Carton	**1in1**
Dimension:	620*430*345mm
Gross Weight:	20 KG
Flight Case	**3in1**
Dimension:	800*685*530mm
Gross Weight:	76 KG

2.1 Maximum number of connections

Voltage	Powerlink Cable	Fixture Quantity
230V, 50Hz	2.5mm²	4
110V, 60Hz	2.5mm²	2

2.2 Control

DMX Channel: 9/ 14 Channels
Control Modes: DMX512/ Master-Slave/ Auto Run/ Music/ RDM

2.4 Construction

Display: 1.8 TFT colorful Display
Data In/Out socket: 3-pin XLR sockets
Power Socket: Power-Con in/ out
Protection Rating: IP65

3. Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and unit. If you lack these qualifications, do not attempt the installation yourself.
These installation should be checked by a skilled person once a year.
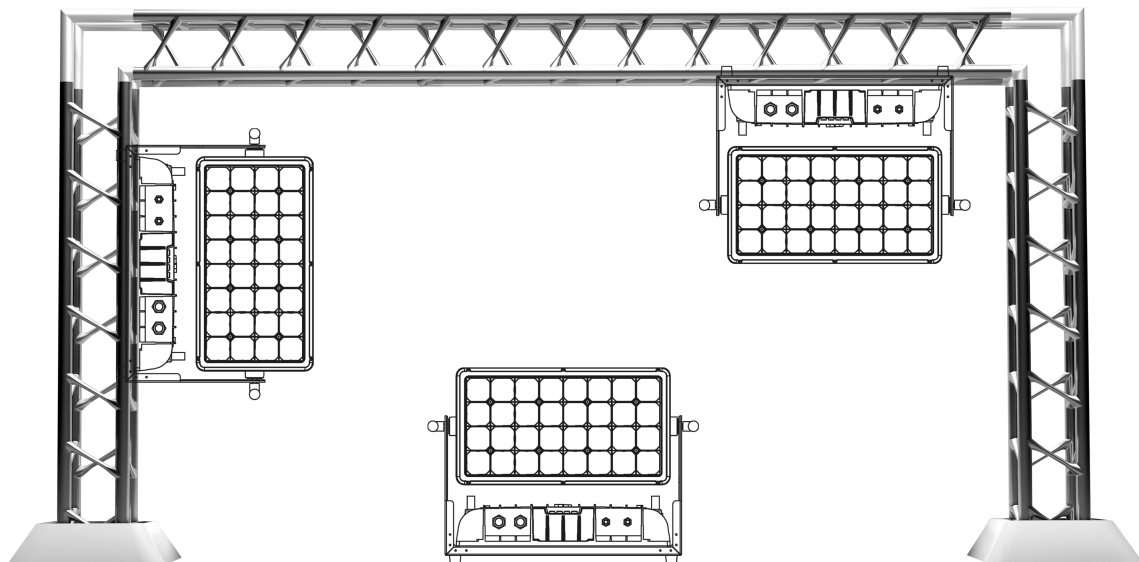
3240W-G4 is fully operational in three different mounting positions, hanging upside-down from a ceiling, sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 12m (40ft) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event because of clamp fails (see next page). Never use the carrying handles for secondary attachment.

NOTICE: The suitable environmental temperature for this lighting fixture is between -25˚ C to 45˚ C. Do not place this lighting fixture in an environment where the temperatures are under or above the temperatures stated . This will allow the fixture to run at its best and help prolong the fixture life.
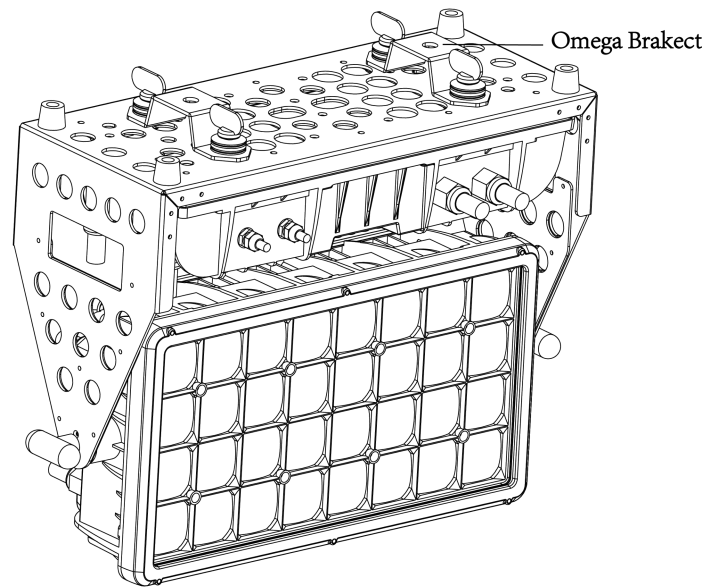
4. Display and Menu
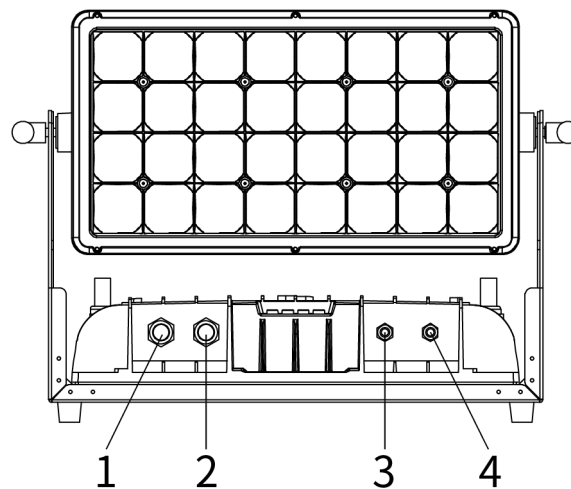
Display

1. 16A Industrial Plug Rear Panel - POWER IN

2. 16A Industrial Plug Rear Panel- POWER OUT

3. 116A Industrial Plug Rear Panel- DMX IN (3-pin socket).

4. 16A Industrial Plug Rear Panel- DMX OUT (3-pin socket).

Set DMX Address Code

➢ Press "**UP**" or "**DOWN**" to select "**Addr**" to set DMX address, press "**ENTER**" to enter.

➢ Set DMX Address: show "**001**", press the "**UP**" or "**DOWN**" to amended.

➢ Press "**ENTER**" to save and exit, pressing the "**MENU**" will not save but exit.

Menu	1.Mic Sense	001-100		Sound control adjust sensitiveness
	2.Language	1.English		
		2.Chinese		
	3.No Signal	1.Black Out		
		2.Hold		
	4. Fan Set	1. Auto		
		2. Low		
		3. High		
	5.Default	1.Yes		
		2.No		
	6.Adjust	Pass Word	****	
		1.Pure white：0-255	Changing the value of Pure white /Warm White can adjust the white balance, but the value can't be set to zero	
		2.Warm white：0-255		
Address		Set address code 001-512		
Reverse	2..Display	1.Yes		
		2.No		
Inform	1.CH Value	Display all channel values		
	2.Temp/℃	Display led board temperature		
	3.Soft v.xxx	Software version number		
Mode		1.DMX512		
	2.Auto	1.Master		
		2.Alone		
	3.Sound	1.Master		
		2.Alone		
	4.Manual	Master	1.Pure white：0-255	
			2.Warm white：0-255	
		Alone	3. Strobe：0-255	
Channel		1.9Channels		
		2.14Channels		

5. LUX Data

R+G+B+W+4in1

R lux	24200	3710	1350	572	356	152
G lux	3710	9160	3320	1360	869	367
B lux	10000	1610	581	238	152	64
W lux	88000	13000	4600	1920	1240	523
4in1 lux	166000	25600	9260	3790	2440	1040

| Distance (m)	1	3	5	8	10	15
Spot diameter (m)	0.65	1.94	3.27			
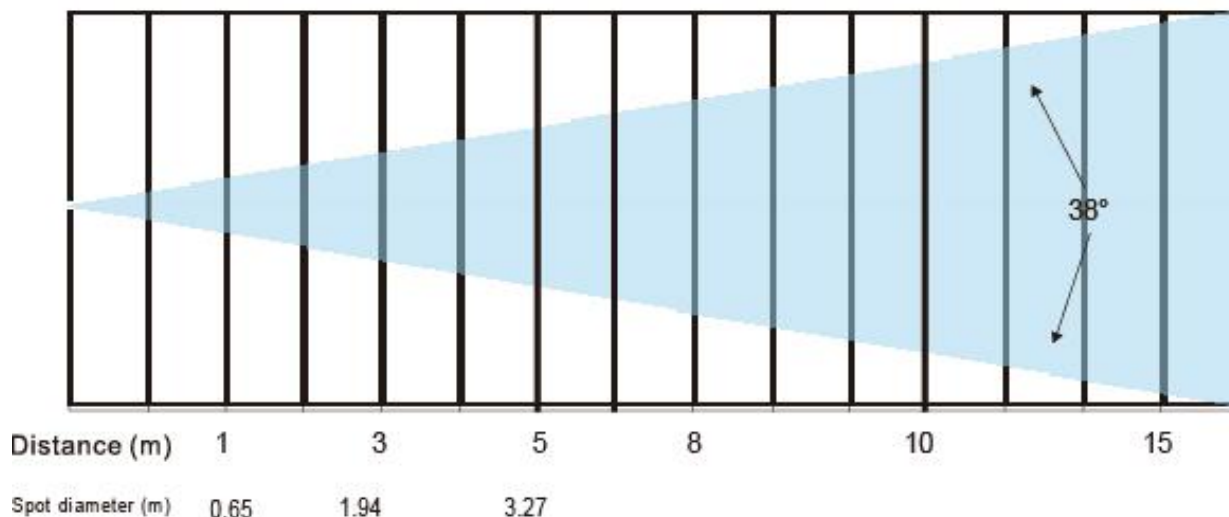
6. DMX Set Up

Power Supply: The 3240W-G4 contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage, this unit can be plugged in anywhere.

Data Cable (DMX Cable) Requirements (For DMX Operation): The 3240W-G4 can be controlled via DMX-512 protocol. The 3240W-G4 has 2 DMX channel modes. Your unit and your DMX controller require a standard 3-pin or 5-pin XLR connector for data input and data output (Figure 1). If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.

Notice: When making your own cable, be sure to carefully observe and follow the instructions shown in the diagram. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.
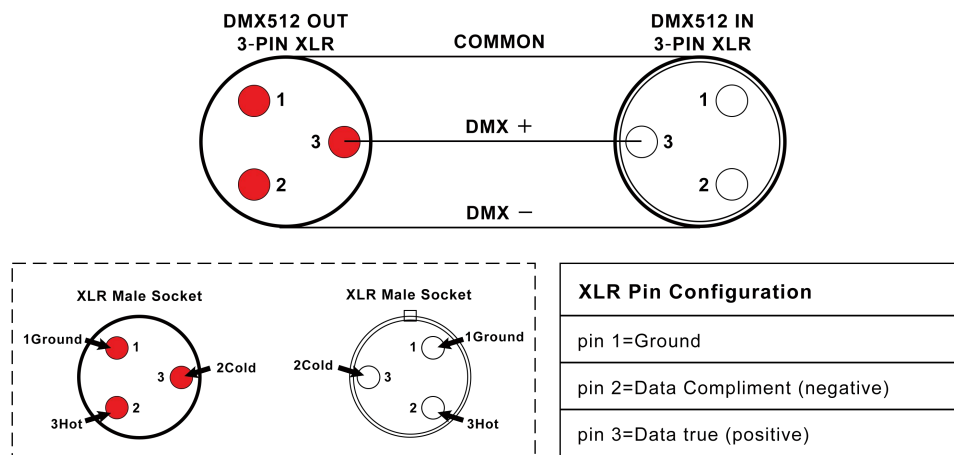
The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, DMX in and DMX out,3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+).

7. DMX Channel List

7.1 9CH Mode

Channel	Parameter	Function	Value
1	Dimming	From dark to bright	0-255
2	Strobe	Light up	0-3
		From slow to fast（1Hz-25Hz）	4-203
		Random strobe	204-255
3	Red	From dark to bright	0-255
4	Green	From dark to bright	0-255
5	Blue	From dark to bright	0-255
6	White	From dark to bright	0-255
7	Linear Color Temperature	No effect	0-4
		Color temperature from warm to cool	5-255
8	Macro Color	No effect	0-9
		Macro Color-1	10-14
		Macro Color-2	15-19
		....	......5 numbers 1 effect
		Macro Color-14	75-79
		Macro Color-15	80-255
9	Dimming Model	Model -1	0-49
		Model -2	50-99
		Model -3	100- 149
		Model -4	150- 255

7.2 14CH Mode

Channel	Parameter	Function	Value
1	Red	From dark to bright	0 - 255
2	Red adjustment	Red adjustment	0 - 255
3	Green	From dark to bright	0 - 255
4	Green adjustment	Green adjustment	0 - 255
5	Blue	From dark to bright	0 - 255
6	Blue adjustment	Blue adjustment	0 - 255
7	White	From dark to bright	0 - 255
8	White adjustment	White adjustment	0 - 255
9	Dimming	From dark to bright	0 - 255
10	Dimming adjustment	Dimming adjustment	0 - 255
11	Strobe	Light up	0 - 3
		From slow to fast（1HZ-25HZ）	4 - 203
		Random strobe	204 - 255
12	Linear Color Temperature	No effect	0 - 4
		Color temperature from warm to cool	5 -255
13	Macro Color	No effect	0 - 9
		Macro Color-1	10- 14
		Macro Color-2	15-19
		....	5 numbers 1 effect
		Macro Color -14	75 - 79
		Macro Color-15	80- 255
14	Dimming Model	Model -1	0 - 49
		Model -2	50 - 99
		Model -3	100 - 149
		Model -4	150 - 255

8. Attention

- When the lamp is powered on and lit, try to avoid looking directly at the light emitted by the lamp beads.
- When loading or unloading the lamp, be sure to cut off the main power supply connected to the device before you can open the cover on which the lamp bead is installed.

9. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work
1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller
1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well
1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

10. Products Size
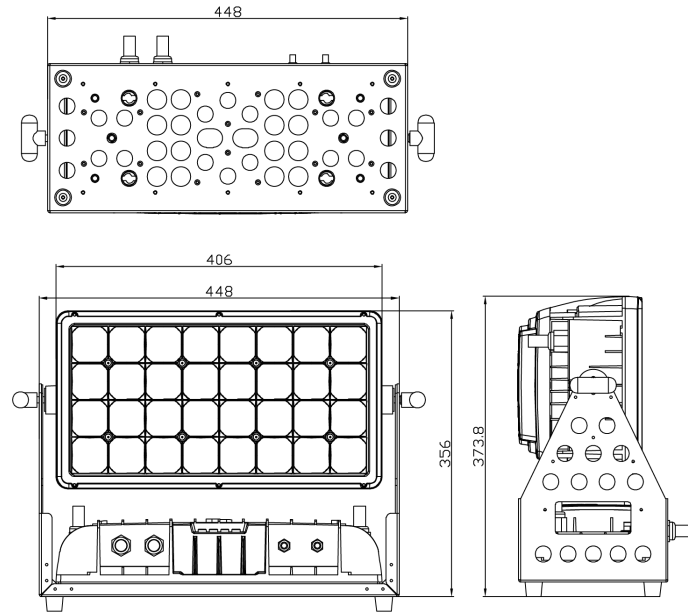
11. Fixture Cleaning

The outside of the lens must always be wiped so that the lighting effect is better. Wipe frequency according to the environment. Humidity, excessive smoke, and a particularly dirty environment can make the lens dusty.

➢ Use a soft cloth and special glass cleaner.
➢ Wipe the exterior of the lens at least every 30 days.
➢ Use vacuum cleaners or air guns inside the luminaire and clean it at least twice a year.
➢ Always be sure to dry all parts completely before plugging the unit back in.

12. Multiple Unit Power Linking

With this feature you can connect the fixtures to one another using the power-con input and output sockets. The maximum that can be connected is 2 fixtures @ 110V and 4 fixtures @ 230V(2.5mm² powerlink cable). After the maximum connected fixtures you will need to use a new power outlet.

NOTE: USE WITH CAUTION WHEN POWER LINKING OTHER FIXTURES TO THE 3240W-G4 AS THE POWER CONSUMPTION OF OTHER LIGHTING FIXTURES WILL VARY!

13. Fuse Replacement

Unplug the unit from any power source it may be connected to. Once the power has been disconnected, use a Phillips head screw driver to unscrew the fuse holder located next to the power-con input.
Remove the bad fuse and replace with a new one, and screw the fuse holder back in.