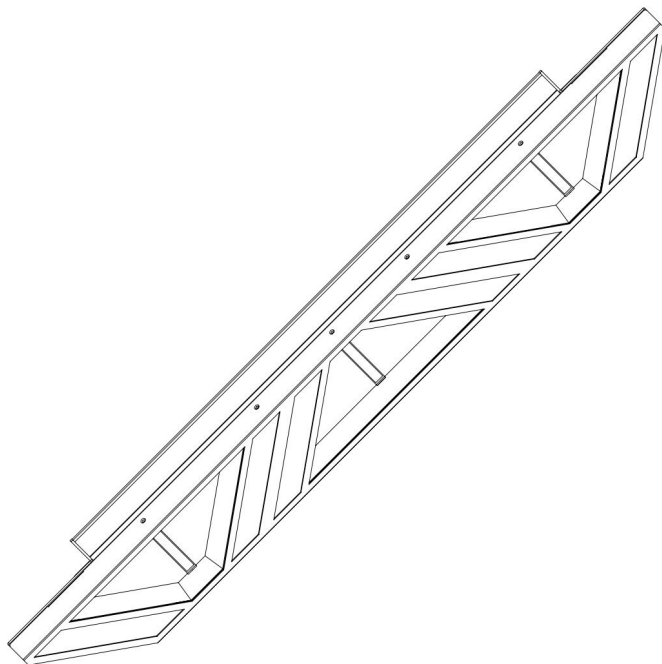


Retro-creeen

3 x 60W Amber
6 x 5W RGB

Version : 2.0



This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

User manual

Please read the instructions carefully before use

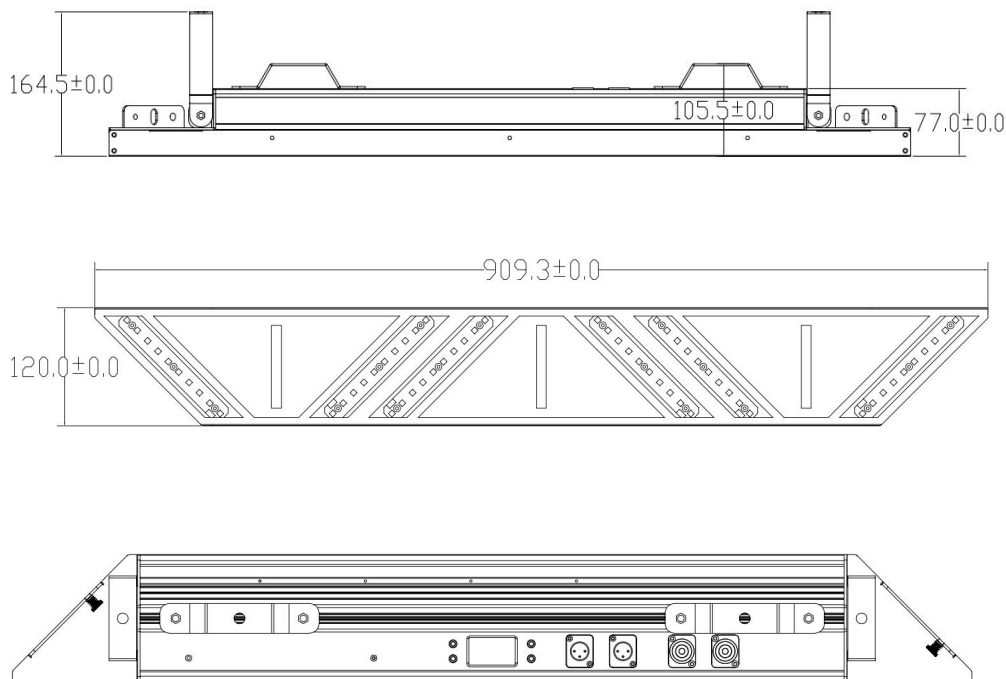
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Introduction

Thank you for your purchase and usage of the light. You have chosen a reliable product with outstanding features. The device is easy to use and is made of high quality components. Every Product is checked before shipping to secure you are able to receive a great product without compromise. This is not a toy. Our ambitious aim is to get you a reliable working tool

1. Dimension(mm)



2. Safety Information



WARNING! Read the safety precautions in this section before unpacking, installing, powering or operating this product.

This luminaires are multi-environmental fixtures with an IP-rating of 40, intended for professional use only. They are not suitable for household use. Review the following safety precautions carefully before installing or operating the fixture. This fixture must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the fixture and the

hazards involved.



WARNING! *Risk of electric shock.*

- Always power off/unplug the fixture before removing any covers.
- Ensure that the power is turned off when connecting the fixture to the AC mains supply.
- Ensure that the fixture is electrically connected to earth (ground).
- Do not apply power if the fixture is in any way damaged.
- Do not immerse the fixture in water or liquid.



WARNING! *Take measures to prevent burns and fire.*

- Install in a location that prevents accidental contact with the fixture.
- Install only in a well-ventilated space.
- Install at least 0.3 m (12 in.) away from objects to be illuminated.
- Install only in accordance with applicable building codes.
- Ensure a minimum clearance of 0.1 m (4 in.) around the cooling fans.
- Do not paint, cover or modify the fixture.
- Keep all flammable materials away from the fixture.
- Allow the fixture to cool for 15 minutes after operation, before touching it.
- CAUTION: Exterior surface temperature after 5 min. operation = 45 °C (113 °F).
Steady state = 60 °C (140 °F).



WARNING! *Take measure to prevent personal injury.*

- Do not look directly at the light source from close range.
- Take precautions to prevent injury due to falls when working at height.
- Both ends of the luminaire are equipped with safety rope connection holes. For safety reasons, please pass the safety rope equipped with the luminaire through the safety rope connection holes for auxiliary hoisting. For specific installation methods, please refer to the relevant parts of this manual.

- When the lamp is temporarily installed, please ensure that the two quick fasteners are fully tightened and fixed with a suitable safety rope. The safety rope must be able to carry 5 times the weight of the lamp body and all installation accessories.

3. Delivery Contents(Only one fixture)

- 1 x Retro green light
- 1 x Power Input cable
- 1 x DMX Cable
- 2 x Brackets
- 2 x Folding stands
- 1 x Safety cable
- 1 x This lovely User Manual

4. Preparing for installation

Unpack the fixture and inspect it to ensure that it has not been damaged during transport. The luminaire is equipped with 2 quick-install brackets, as well as movable stands at both ends for standing or hanging

The fixture is IP40-rated, and is designed for use in wet locations, for example, raining, snowing, BUT DO NOT SINK UNDER WATER!!!

This means that it is protected from:

- Dust, to the degree that dust cannot enter the fixture in sufficient quantities as to interfere with its operation.
- Don't sink under water

When selecting a location for the fixture, ensure that:

- It is situated away from public thoroughfares and protected from contact with people.
- It is not immersed in water or exposed to high-pressure water jets.
- It has adequate ventilation.

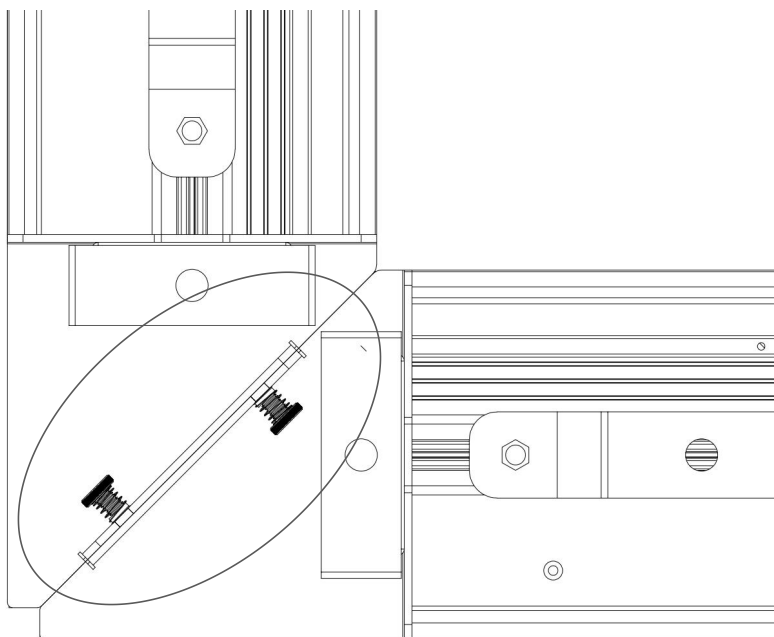
5. Installation (lightCON)

Your light can be installed in every kind of following positions.

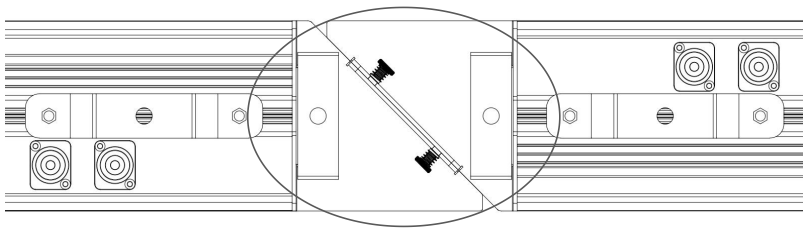
Please see the explanations and rely to the instructions for a safe operation and secure handling.

Structural Connection

The light can be connected using the included quick-release pins. Place the devices next to each other.



(LightCON 1: 90° Docking)



(LightCON 2: 180° Docking)

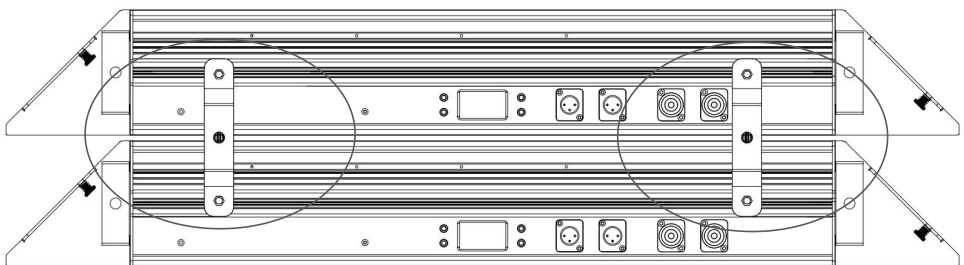
The installation of light must first fix with hooks, and then connect the light and lights. This structure is only used for the connection of lights or the hanging after the lights are vertically fixed. It cannot be used as a lever to lift other lights, nor can it be lifted horizontally. The end aluminum shell will be damaged!

Important:

When standing upright for use, the number of lights connected is 2

Hanging vertically for use, the number of connections for lights is 3

To prevent accidents, a matching safety rope should be connected between the two lights.



(LightCON 3: Stacking 1+2+3...)

(Caution) In the case of a hang mount, each device needs to be secured individually! It is not recommended to use thumb bolts for horizontal installation. When using the folding brackets at both ends of the luminaire for hoisting, care should be taken not to make the number of luminaires exceed the limit, and take firm and safe measures. Each device should use the installation given below Options are installed separately.



Horizontal installation on the floor:

You can lay the luminaire flat or fix it to the floor with the fold-out brackets at both ends of the luminaire. Please make sure the surface is flat and the floor is reliable enough before laying the luminaire flat.

About truss installation instructions:

You can fix the luminaire to the truss or pipe. At this time, the light hook can choose to fix the bracket or the folding stand, which provides more options for installing the luminaire. No matter which method is used for installation, the luminaire should be hung and fixed. Or the horizontal surface of the truss can be used for fixed installation on the vertical surface.

Horizontal Hanging Installation

Use the vertical adapter kit (including folding stand and interlocking thumbscrews

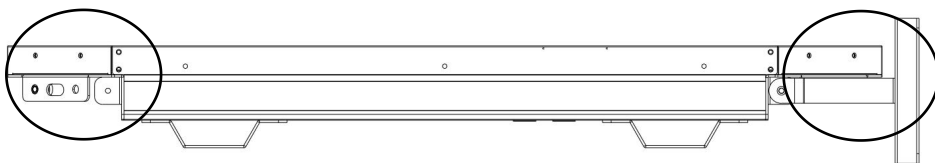
of the luminaire) to hang the luminaire vertically from the truss structure. There is another situation that requires special attention. outside), please note that the quantity must not exceed the limit (as shown in the picture above), and at the same time ensure that the mounting parts are strong, and the safety rope must be installed at this time. In the future, we will release a detailed instruction manual on how to use vertical hoisting, which is suitable for the options that users may use in different performance environments. For details, please pay attention to the introduction of related accessories and detailed descriptions that we will release later.

Horizontal installation on the floor

Use the standing pendant (optional accessory) in combination with the base plate (optional accessory). Use the small stand plate (optional accessory) in the following cases to install only one luminaire. If you want to install multiple devices or use two lamps seamlessly spliced vertically, you need to connect the small standing pendant to the standing base. We have two types of standing plates, standing pendant (dual use) and standing base plate (large size), for you to choose from. Please note that we will be publishing detailed installation and usage instructions for the different options shortly.

Safety attachment

Under any installation conditions, the user must connect the safety rope to the reserved installation rope hole of the lamp and the suspended truss bracket, or the connection between the two lamps also needs to wear a safety rope to ensure the safe use of the lamp.



(Length of docking & Safety cable position)

6. Connecting AC Power

The fixture can operate on any 100–240 V, 50/60 Hz AC mains power supply. For permanent installation, have a qualified electrician wire the mains cable directly to a suitable branch circuit.

The junction's ingress protection (IP) rating must be suitable for the location.

For temporary installation, the mains cable may be fitted with a grounded connector intended for exterior use.

For the safety of the lamps, when the lamps are used in series between the lamps, each national standard 1.5 square 10A power cord can not be used in series with more than 6 lamps. Luminaires must be grounded and capable of being isolated from AC power. AC power supplies must contain fuses or circuit breakers for fault protection. With the light fixture connected to power, use the "Mode→Auto" menu to run the onboard test to make sure the light fixture and each LED are working properly. See "Control Menu" on page 16.

Connect the power cord as follows:

L (live wire) = brown wire N (neutral wire) = blue wire G (ground wire) = yellow/green two-color wire

When connecting the power supply, please note that the voltage and frequency of the power supply must match the voltage and frequency marked on the lamp.

Important:

When connecting the power supply, the ground wire (yellow/green double-colored wire) must be safely grounded, and the electrical installation must comply with all relevant standards.

7. Functions Setup

Use the control panel and the LCD display on the bottom of the light fixture to set up the light fixture.

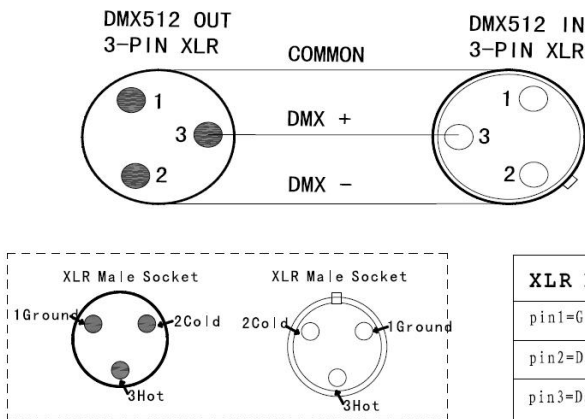
Use the arrow buttons to select menus and options, and the Enter button to select items. Available options are listed in “Control Menu” on page 16.

After power-up, the display shows the currently selected operating mode and other information. By default, the fixture is set to DMX mode.

8. Connecting to a DMX control device

The connection between lamps and controllers and between lamps and lamps must use 2-core shielded wires with a diameter of not less than 0.5 mm. Please connect the DMX-512 output/input of the lamp with a 3-core (included) XLR plug/seat. The connection between the XLR plug/socket and the wire is shown in the figure above. It must be noted that when connecting, the 3 cores of the XLR plug/socket cannot be in contact with the inner shell and the cores cannot be in contact with each other. Except for the connection methods shown in the list above, the XLR plug/socket and the XLR control cable cannot be connected in any other way. This product accepts the international standard DMX-512 (1990) control signal.

Use a 3-core XLR-XLR control cable to connect the DMX output port of the controller to the DMX input port of the first slave machine, and connect the DMX output port of the first slave machine to the DMX input port of the second slave machine, And so on, until all the slaves are connected, then connect the circuit plug to the signal output port of the last lamp to complete the connection of the controller mode. As shown below:



9. Configuring the fixture for DMX control

When using the controller to control multiple lamps, each lamp must set the DMX start address to receive the signal from the controller and respond correctly. There are 4 control modes in this product, which are simplified mode 18CH, pixel mode 21CH, and extended mode 33CH. Here take 18CH as an example: the product has 18 channels in total, then the DMX start address of the first lamp is set to 001, the second to 019, the third to 037, the fourth to 055..., and so on.

Turn on the lamp, press the ENTER key to unlock the operation panel;

Press ENTER to display the DMX address code;

Press the UP or DOWN key to get the set value;

Then press ENTER to confirm, and the lamp has automatically stored the starting address, and the latest setting value you saved will be displayed when the power is turned on next time.

Press the MENU key to return to the previous menu.

Setting the DMX address

The DMX address can be seen on the main screen. To change the address setting, press the up arrow to increase the address, or the down arrow to decrease the setting. When the desired address is displayed, press Enter to save the setting.

Note that channel spacing is determined by the DMX mode.
See the “DMX protocols” on page 14 for specific DMX control values.

Setting the DMX mode

Using the “DMX mode” menu available from the control panel, specify the DMX mode that provides the fixture controls that you require, confirm chosen mode by pressing ‘Enter’.

10. Cleaning

To maintain optimal performance, regular cleaning is essential. Cleaning schedules will vary depending on the operating environment, and the installation should therefore be checked at frequent intervals within the first few weeks of operation to see whether cleaning is necessary. This procedure will allow you to assess cleaning requirements in your particular situation. Clean the fixture using a soft cloth dampened with a solution of water and a mild detergent. Do not use products that contain solvents, abrasives or caustic agents for cleaning, as they can cause damage to both hardware, cables and connectors.

11. DMX channel list

Configuring DMX is described “Setting the DMX mode” on page 17.

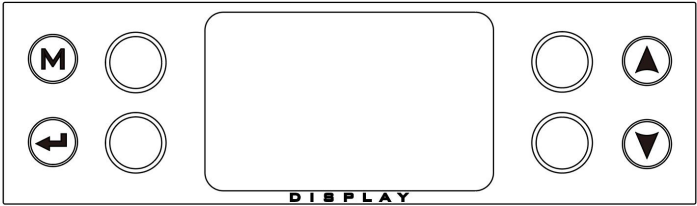
Channel			Value	Function
18CH	33CH	21CH		
1	1		0-255	Amber 1 (0-100%)
2	2		0-255	Amber 2 (0-100%)
3	3		0-255	Amber 3 (0-100%)
4	4		0-255	Amber Dimmer (0-100%)
5	5		0-5	Amber Strobe (off)
			4-50	Strobe mode 1 (linear)
			51-100	Strobe mode 2 (random)

			101-150	Strobe mode 3 (fast-slow)
			151-200	Strobe mode 4 (slow-fast)
			201-255	Strobe mode 5 (pluse)
6	6		000-005	Amber Marco: none
			006-023	Effect 1
			024-046	Effect 2
			047-069	Effect 3
			070-092	Effect 4
			093-115	Effect 5
			116-138	Effect 6
			139-161	Effect 7
			162-184	Effect 8
			185-207	Effect 9
			208-230	Effect 10
			231-255	Effect 11
7	7		0-255	Marco rate (0-100%)
8	8		0-255	RGB user color (0-100%)
9	9		0-255	RGB Dimmer (0-100%)
10	10		0-5	RGB Strobe: (off)
			4-50	RGB Strobe mode 1 (linear)
			51-100	RGB Strobe mode 2 (random)
			101-150	RGB Strobe mode 3 (fast-slow)
			151-200	RGB Strobe mode 4 (slow-fast)
			201-255	RGB Strobe mode 5 (pluse)
11	11		000-005	RGB Marco: none
			006-012	Effect 1
			013-024	Effect 2
			025-036	Effect 3
			037-048	Effect 4
			049-060	Effect 5
			061-072	Effect 6

			073-084	Effect 7
			085-096	Effect 8
			097-108	Effect 9
			109-120	Effect 10
			121-132	Effect 11
			133-144	Effect 12
			145-156	Effect 13
			157-168	Effect 14
			169-180	Effect 15
			181-192	Effect 16
			193-204	Effect 17
			205-216	Effect 18
			217-228	Effect 19
			229-240	Effect 20
			241-255	Effect 21
12	12		0-255	RGB Marco Rate (0-100%)
13	13		0-255	Dimmer mode : Can be used for intensity, strobe, color mixing trailing and Dim-mode, From slow to fast (default 16bit, 8bit at 255)
14	14		0-255	Marco fade : Can be used for macro fade, From slow to fast (default 16bit, 8bit at 255)
15	15		0-255	Light invert (default: off, on at 255)
		1	0-255	Amber 1 (0-100%)
		2	0-255	Amber 2 (0-100%)
		3	0-255	Amber 3 (0-100%)
16	16	4	0-255	Red 1 (All) (0-100%)
17	17	5	0-255	Green 1 (All) (0-100%)
18	18	6	0-255	Blue 1 (All) (0-100%)
	19	7	0-255	Red 2 (0-100%)

	20	8	0-255	Green 2 (0-100%)
	21	9	0-255	Blue 2 (0-100%)
	
	31	19	0-255	Red 6 (0-100%)
	32	20	0-255	Green 6 (0-100%)
	33	21	0-255	Blue 6 (0-100%)

12. Control menu



Display:

- MENU** To select the programming functions
- DOWN** To go backward in the selected functions
- UP** To go forward in the selected functions
- ENTER** To confirm the selected functions (**unlock screen**)

Operations:

Press "**MENU**" to unlock screen, then press "**Menu**" to select 7 different functions, Press the "**UP** or **DOWN**"keys to increase or decrease the value,Press "**ENTER**" to save and Exit.

User Menu function chart

No.	Display		Description	
1	DMX-CH18 Addr=001	Address 001-512	DMX 1-512	Current ctrl mode Current DMX address
2	Ctrl	DMX_CH	18 /21/33	3 ch mode 18/21/33

	Mode	Alone	000-255	Alone
		Master slave	000-255	Master slave
3	Static Mode	red	000-255	Red (000-255)
		green	000-255	Green (000-255)
		blue	000-255	Blue (000-255)
		amber	000-255	amber (000-255)
		User Color	000-33	User Color (1-33)
		Marco	000-23	Marco
		Marco Speed	000-255	Marco Speed (slow-fast)
4	Adjust	D-Curve	1-4	Dimmer curve 1-4
		D-Mode	08-16	Dimmer mode 8/16Bit
		TEMP	25	Current temp
		NO_DMXX	Closed/Hold	DMX signal will be lost
		Invert Lights	Off /On	Lighting control invert Display cannot be inverted
		Factory	NO/YES	Reset Factory setting

12. Specification

Power supply: 100-240V - 50/60Hz

Power consumption: 200W

LED source: 3 x 60W 1800K LED amber, 6 x 5W RGB

Segment: 21-way constant current point control

Optic: High efficiency optic system

Optional: DMX module with isolation

Effect: 21.Pixel Control RGB+amber

Luminous flux: >7500lm

Field angle: 100°

Dimmer mode: 8 & 16 Bit

Dimmer curve: Linear, curve

DMX mode: 18、21、33CH

Control mode: DMX, Auto, Master-slave

Protocol: DMX, RDM

Light style: Pixel-mapping, sim-tungsten, dynamic patterns

Structure

IP rating: 40

Body: Black metal

Free light CON: Yes

Right-angle CON: Yes (interlocking at both ends)

Straight line CON: Yes(positive and negative interlocking)

Hang Drop CON: Yes (up to 5 units at most)

Standing CON: Yes (maximum no more than 2 units)

Working Condition: -30° ~ 70°C

Connection

Power: Power con in & out

DMX: 3/5 pin DMX in & out

Power cable: CCC 1.5mm², 6 power link Max

Box Info

- Omega brackets (mounted on light)
- Safety cable
- Floor stand part 1(mounted on light)
- Power & DMX cables

Light size: 930 x 120 x 77 mm

Carton size(2in1): 1230 x 255 x 185 mm,

Light Net Weight: 5.2 KG

Gross Weight(2in1): 11 KG

Flight case(8in1):980x660x500(mm)

Gross weight(8in1):75KG

Optional Accessories

- Floor stand part 2
- Stand plate
- Clamp
- Flight case