

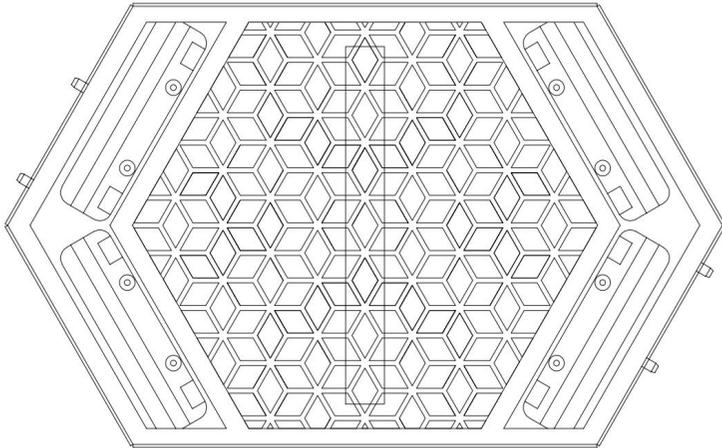
# Exposure light

# P-1

**MIAN:Amber + CW 130W**

**Version : 2.0**

**RGB: 16 X 2 1.5W**



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

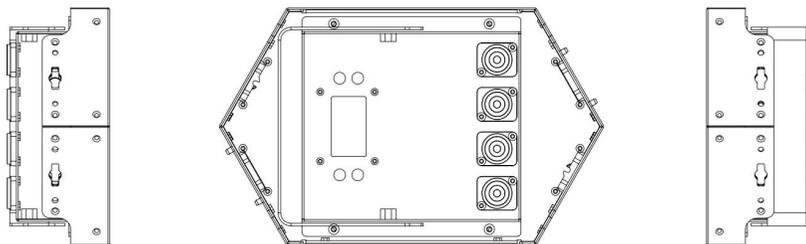
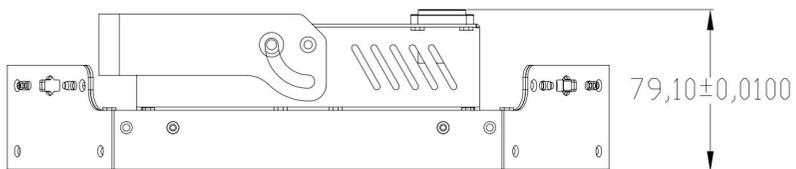
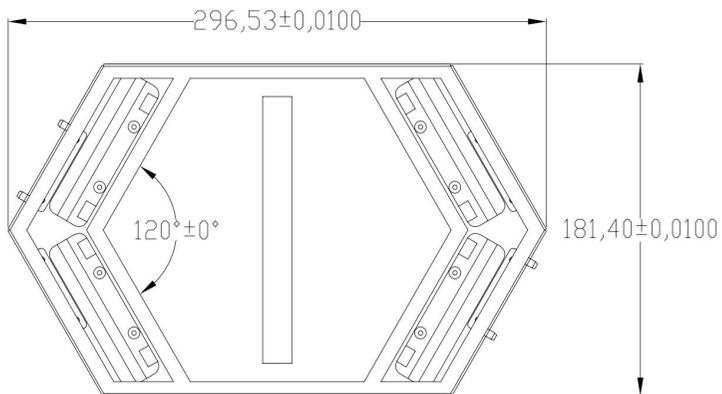
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## Introduction

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 luminaries IP-rating of 20, 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(one fixture)**

- 1 x Exposure light
- 1 x Power Input cable
- 1 x DMX Cable
- 1 x Safety cable
- 1 x This lovely User Manuel

### **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 handle bracket, The fixture is IP20-rated, It cannot be used in humid environments, such as rainy days or snowy days. Do not immerse it in 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.

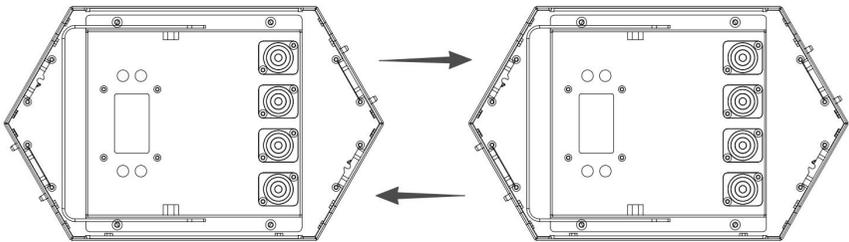
## 5. Installation (lightCON)

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.

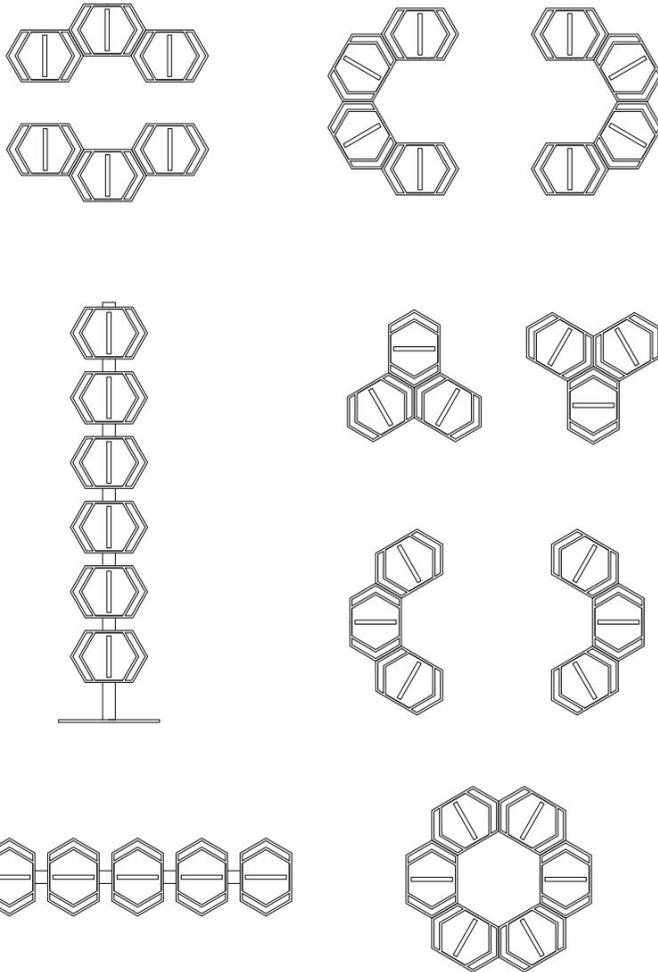
### Structural Connection

Structural Connections: Attach the fixtures using the included quick-lock or fixed mounting holes. Mount the fixtures side-by-side.



Male-Female

(LightCON: The splicing styles are diverse and strong)



(The most common combinations of P1...)

(Note) If using a hanging installation, each device must be secured individually!  
 When using the splicing brackets at both ends of the luminaire for hanging, be sure not to exceed the limit on the number of luminaires and take firm and secure measures. Each device should be mounted individually using the mounting options provided below.

Floor-Level Mounting:

You can either lay the lamp flat or use the lamp's folding bracket to secure it to the floor. Before laying the lamp flat, ensure the floor is level and secure.

### **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.

### **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 lights also needs to wear a safety rope to ensure the safe use of the lamp.

## **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 lights, when the lights are used in series between the lights, each national standard 1.0 square 10A power cord can not be used in series with more than 6 lights. 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.

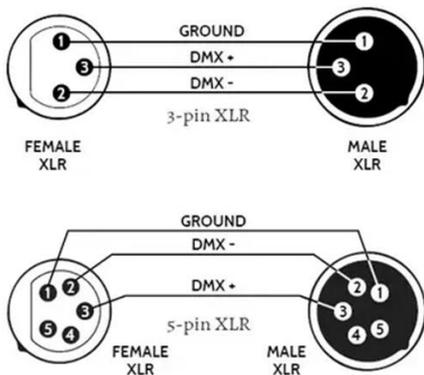
## 8. Connecting to a DMX control device

The connection between lights and controllers and between lights and lights 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 3/5-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 3/5 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 3/5-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:



### DESCRIBE

DMX PIN CONFIGURATION
PIN 1: GROUND
PIN 2: DATA COMPLIMENT
PIN 3: DATA TRUE
PIN 4: -
PIN 5: -

## 9. Configuring the fixture for DMX control

When using the controller to control multiple lights, 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 14CH, pixel mode 8&16 CH, and extended mode 20CH. Here take 14CH as an example: the product has 14 channels in total, then the DMX start address of the first lamp is set to 001, the second to 015, the third to 029, the fourth to 043..., 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 16 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.

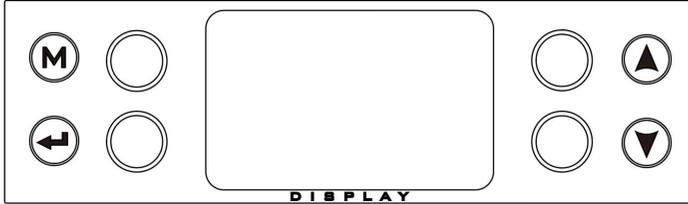
Channel				Value	Function
14CH	20CH	16CH	8CH		
1	1			0-255	Amber ( 0-100% )
2	2			0-255	Amber strobe ( 0-100% )
3	3			0-255	White ( 0-100% )
4	4			0-255	White strobe ( 0-100% )
5	5			0-255	RGB Dimmer ( 0-100% )
6	6			0-255	R ( 0-100% )
7	7			0-255	G ( 0-100% )
8	8			0-255	B ( 0-100% )
9	9			0-255	RGB strobe ( 0-100% )
10	10			0-5	<b>User color:</b> ( off )
				8-15	Color 1 R:88 G:0 B:0
				16-23	Color 2 R:88 G:0 B:31
				24-30	Color 3 R:76 G:0 B:29
				31-38	Color 4 R:80 G:0 B:17
				39-46	Color 5 R:38 G:25 B:75
				47-54	Color 6 R:5 G:2 B:44
				55-61	Color 7 R:14 G:11 B:46
				62-69	Color 8 R:4 G:4 B:60
				70-77	Color 9 R:0 G:0 B:75
				78-84	Color 10 R:14 G:0 B:79
				85-92	Color 11 R:6 G:19 B:56
				93-100	Color 12 R:0 G:50 B:100
				101-108	Color 13 R:0 G:50 B:75
				109-115	Color 14 R:0 G:87 B:100
				116-123	Color 15 R:11 G:53 B:86
				124-131	Color 16 R:7 G:46 B:100
				132-139	Color 17 R:0 G:31 B:13
140-146	Color 18 R:0 G:64 B:0				

			147-154	Color 19	R:0	G:31	B:0
			155-162	Color 20	R:0	G:62	B:0
			163-169	Color 21	R:0	G:91	B:0
			170-177	Color 22	R:98	G:64	B:13
			178-185	Color 23	R:100	G:49	B:18
			186-193	Color 24	R:99	G:47	B:1
			194-200	Color 25	R:99	G:36	B:6
			201-208	Color 26	R:62	G:13	B:13
			209-216	Color 27	R:89	G:0	B:0
			217-224	Color 28	R:255	G:169	B:87
			225-231	Color 29	R:255	G:187	B:120
			232-239	Color 30	R:255	G:213	B:173
			240-247	Color 31	R:255	G:238	B:227
			248-254	Color 32	R:240	G:241	B:255
			255	Color 33	R:227	G:233	B:255
11	11		000-005	<b>RGB Marco:</b>	none		
		006-014	Effect	1			
		015-023	Effect	2			
		024-032	Effect	3			
		033-041	Effect	4			
		042-050	Effect	5			
		051-059	Effect	6			
		060-068	Effect	7			
		069-077	Effect	8			
		078-086	Effect	9			
		087-095	Effect	10			
		096-104	Effect	11			
		105-113	Effect	12			
		114-122	Effect	13			
		123-131	Effect	14			
132-140	Effect	15					

				141-149	Effect 16
				150-158	Effect 17
				159-167	Effect 18
				168-176	Effect 19
				177-185	Effect 20
				186-194	Effect 21
				195-203	Effect 22
				204-212	Effect 23
				213-221	Effect 24
				222-255	-
12	12			0-255	RGB Marco Rate ( 0-100% )
13	13			0-255	<b>Dimmer mode :</b> Can be used for intensity, strobe, colormixing trailing and Dim-mode, From slow to fast (default 8bit, 16bit:005- 255)
14	14			0-255	<b>Light invert :</b> (default: <b>off</b> , on at 128-255)
		1	1	0-255	Amber
		2		0-255	Amber fine
		3	2	0-255	White
		4		0-255	White fine
	15	5	3	0-255	R 1
		6		0-255	R 1 fine
	16	7	4	0-255	G 1
		8		0-255	G 1 fine
	17	9	5	0-255	B 1
		10		0-255	B 1 fine
	18	11	6	0-255	R 2
		12		0-255	R 2 fine
	19	13	7	0-255	G 2

		14		0-255	G 2 fine
	20	15	8	0-255	B 2
		16		0-255	B 2 fine

## 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	<b>DMX-CH14</b>	Address
	<b>Addr=001</b>	DMX 001-512 1-512
2	Ctrl Mode	DMX_CH <b>14</b> /20/8/16 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)
		white	000-255	White (000-255)
		amber	000-255	amber (000-255)
		User Color	000-33	User Color (1-33)
		Marco	000-25	Marco (1-25)
		Marco Speed	000-255	Marco Speed (slow-fast)
4	Adjust	D-Curve	<b>1-4</b>	Dimmer curve 1-4 1 linear 2 square 3 anti-square 4 S-line
		D-Freq	1-6 <b>(4)</b>	1:1kHz 2:2kHz 3:4kHz <b>4:12kHz</b> 5:16kHz 6:25kHz
		D-Mode	08- <b>16</b>	Dimmer mode 8/16Bit
		TEMP	25	Current temp
		NO_DMX	<b>Closed/</b> Hold	DMX signal will be lost
		Invert Lights	<b>Off</b> /On	Lighting control invert Display cannot be inverted
		Factory	<b>NO/YES</b>	Reset Factory setting

## **12. Specification**

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

Power consumption: 150W

LED source: 45W 1600K amber, 90W 6000K CW, 32 x 1.5W RGB

Segment: 8-way constant current point control

Optic: High efficiency optic system

Optional: DMX module with isolation

Effect: 8.Pixel Control RGB+amber+white

Luminous flux: >4000lm

Field angle: 100°

Dimmer mode: 8 & 16 Bit

Dimmer curve: Linear, curve

DMX mode: 14、20、8、16CH

Control mode: DMX, Auto, Master-slave

Protocol: DMX, RDM

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

### **Structure**

IP rating: 20

Free light CON: Yes

Working Condition: -30° ~ 70°C

## **Connection**

Power: Power con in & out

DMX: 3/5 pin DMX in & out

Power cable: CCC 1.0mm<sup>2</sup>, 10 power link Max

## **Box Info**

- Safety cable

- Power & DMX cables

Carton: 2 in 1, Case: 4 in 1 or 8 in 1

Light: L297 x W182 x H80 mm

Carton size(2in1): Case size(8in1):

Light Net Weight: 2.3 KG

## **Optional Accessories**

- Clamp

- Flight case