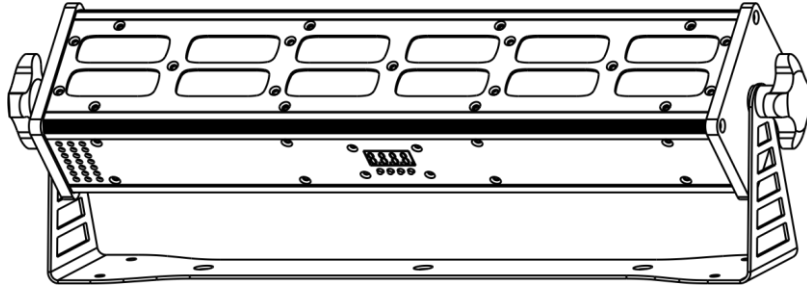# USER's MANUAL

C-Warm Sky Row Light

Cool White + Amber + Warm White

Model: LD102F-A2W

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

CE RoHS COMPLIANT ♻

V1. 0

1 Understanding of Product

1.1 Safety Warning

❖ When unpacking and before disposing of the carton, check if there is any transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

❖ This product is suitable for indoor and outdoor, its protection grade is IP65.

❖ Do not install the product or project the beam onto inflammable surfaces. Minimum distance is 5 M
▷ 5M ◁

❖ The product is only intended for installation, operation and maintenance by qualified personnel. And read the user manual and labels on the lighting carefully before use.

❖ Product should install in a cool place. Keep away from the wall 50cm.

❖ Do not look directly at the lamp light (especially for epilepsy), so as not to cause damage to the eyes.

❖ Keep the optical system clean. Do not touch the LED lens with bare hands. Do not use any alcohol liquid or any other liquid to clean the optical system. Use medicinal absorbent cotton to clean it.

❖ Please do not attempt to dismantle and/or modify the product inner structure. Otherwise, would not provide 1 year of free warranty.

❖ Electrical connection must only be carried out by qualified personnel.

❖ Before installation, ensure that the voltage and frequency of power supply match the power requirement of the product.

❖ It is essential that each product is correctly earthed and that electrical installation conforms to all relevant standards.

❖ Do not connect this device to any other types of dimmer apparatus.

❖ Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

❖ There is no user serviceable parts inside the product, do not open the housing and never operate the product with the cover removed.

❖ Place the unit where kids can't reach.

If you have any questions, don't hesitate to consult our dealer or manufacturer.

Important: Before any installation, maintenance and cleaning, please ensure that the power cut off!

1.2 Main Technical Parameters

Power supply

➢ Rated Voltage: AC90~240V

➢ Rated Frequency: 50~60Hz   ± 10%

➢ Rated Power: MAX.150W

LED

➢ LED Type: 12 x 6000K(Cool White) + 12 x Amber + 12 x 3200K(Warm White)

➢ Drive Current: 700mA

➢ Lifespan: About 50000 hours

Control

➢ Control Protocol: Standard DMX-512 signal

➢ DMX-512 Channels: 3 Channels

➢ Control Mode: DMX-512, auto-program mode, master-slave mode.

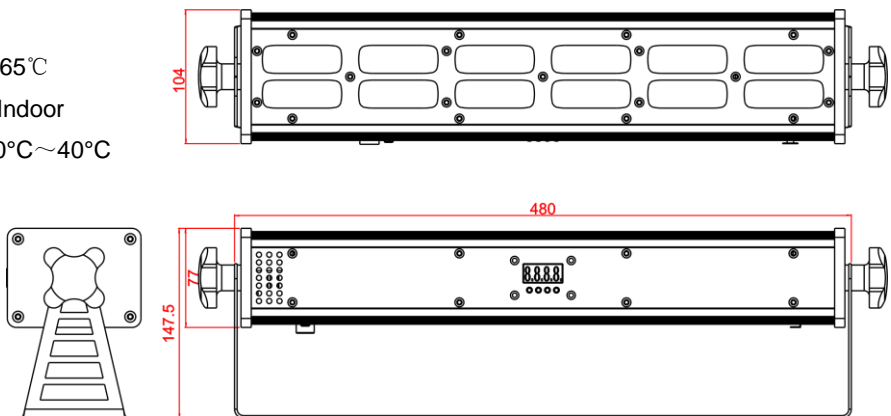➢ Auto effects: 4 kinds of dynamic effects

Optical System

➢ Dimmer: From 0~100 linear dimming.

➢ Flashing rate: 1~20Hz

➢ Beam angle: 60°

Physical

➢ Dimensions: 480 x 104 x 147.5mm

➢ Weight: 3.2kg

➢ Surface Treatment: Aluminum, powder coating

➢ Housing color: Black

➢ Connection: Signal cable IN/OUT, power cable IN/OUT.

Security

➢ Cooling System: Fans

➢ Temperature Protection: 65℃

➢ Operating Environment: Indoor

➢ Working Temperature:-20°C～40°C

1.3 Product Features

Using the latest LED control technique of Company, newest intelligent LED Par light can realize intelligent operation and control through its special menu at the back. It's more convenient and easy to operate. This product is designed for building large area spread light, large concerts, outdoor landscape lighting, wedding scene, small performances, slow club KTV and various performance occasion. Its main features include:

1) Static color Settings (STATIC).
2) The static power consumption of the control panel only 0.3W, efficiency will reach up to 97%
3) 4K refresh frequency for video camera.
4) 0-100% Linear Dimming.
5) Overheating protection function
6) LED display screen.
7) Master-slave control, multi-units for synchronous control.

2 Product Installation

2.1 Power Connection Method

Please connect power as following ：

L（live wire）=brown wire　　E（earth wire）=yellow/green double color wire　　N（null line）=blue wire
When connecting power, ensure that the voltage and frequency of power supply match the power requirement of the product.

This equipment belong to class 1 protection equipment, therefore, the yellow-green double colors wire must be earthed correctly by qualified personnel. Before installation, ensure that the voltage and frequency of power supply match the power requirements of product. In power supply and voltage fluctuation large areas, we suggest you to use 110V or 230V or use voltage regulator to supply power. After electrical connection, this product will have a few seconds self-check action, self-check finished can be used.
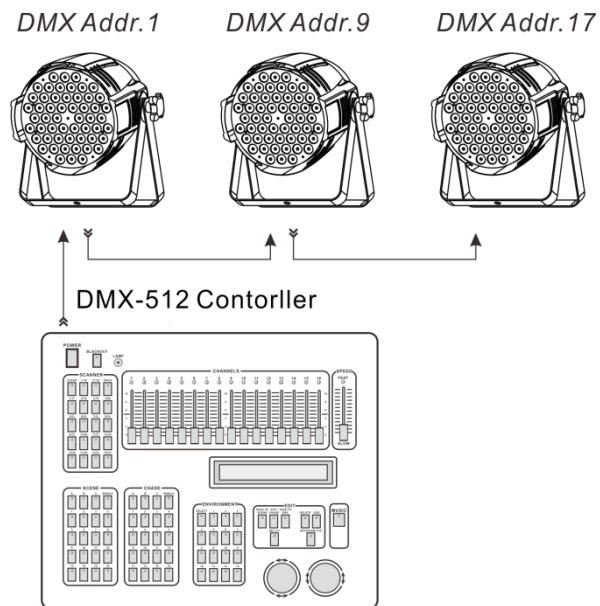
Input / output power cable should be >2.5 square millimeter copper core.
220V: 15 units may be connected in series.
110V: 7 units may be connected in series.

Important: It is essential that Yellow/green double color wire is correctly earthed and that electrical installation conforms to all relevant standards.

2.2 DMX Connection Method

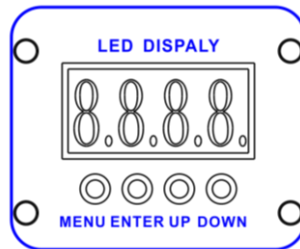DMX Addr.1   DMX Addr.9   DMX Addr.17

DMX-512 Contorller

- If the lighting working on DMX mode it needs be connected to the DMX controller
- For example: if using DMX 8 channels mode, the first DMX address value must be 1st, next device should be plugs 8 (e.g., 1,9,17,25...).
- Every DMX address can be reused as needed.
- DMX address can be any data between 001 and 512.

Note: 1. As this fixture's DMX signal cable connection is Parallel connection, please don't more than 32 units.
2. If the signal cable is over 300m between the DMX512 controller And fixture or between two fixtures, then a DMX signal amplifier is needed.

3 Operation Method

3.1 LED Panel functions introduction

❖ MENU：Menu button/return button, enter the menu selection interface or previous menu.

❖ ENTER：Confirmation button, used to confirm the selected function.

❖ UP/DOWN：Upward/downward select function or Parameter increment / decrement.

3.2 LED Panel Menu

Main Menu	Function	Value	Note
STAT	C(Cool White 6000K)	0-255	Static Brightness, Control by
	A(Amber)	0-255	Manual
	W(Warm White 3200K)	0-255	Run Alone.
AUTO	AU01	N/A	Automatic Mode Function 1st
	AU02	N/A	Automatic Mode Function 2nd
	AU03	N/A	Automatic Mode Function 3rd
	AU04	N/A	Automatic Mode Function 4th
DMX	Address	1-512	Setup DMX-512 Address

3.3 DMX Channels

DMX-512 Channels:

Channel 1	0-255	Brightness For Cool White 6000K
Channel 2	0-255	Brightness For Amber
Channel 3	0-255	Brightness For Warm White 3200K

4 Maintenance

4.1 Product Maintenance

To prolong the life of the product, it is very important to do maintenance work. The environment is hash outdoors, or if the product is idle for a long time, damp, smoke or particularly dirty surroundings can cause greater accumulation of dirt on its LED lens cover, fan vents and housing. So it should be cleaned to maintain an optimum light output and at the same time to prevent it from corrupted by acid gas.

Cleaning frequency depends on the environment in which the fixture operates. Soft cloth and typical glass cleaning products should be used for cleaning. It is recommended to clean product at least one every 20 days.

Friendly notice: Please do not use any organic solvent alcohol to clean housing of the apparatus, lest cause damage.

4.2 Problem fix

Problems	Action
The product doesn't switch on	Power connection is not correct--Re-connect it.
	Power supply is damaged or abnormal. Call a qualified personnel to fix it.
	Control section is damaged. Call a qualified personnel to fix it.
	Connection of internal circuitry is not correct. Call a qualified personnel to fix it.
The product can turn on, but LEDs do not emit light and are out of control	DMX address is wrongly setting up. Resetting it according to instruction book.
	DMX Signal wrongly connected. Connect it correctly according to instruction book.
	Control section is damaged. Call a qualified personnel to fix it.
The beam appears Dim	The product is too hot. Take ventilation measures to make it cool.

Remark: This product warranty for one year. We provide pay-needed maintenance service after the warranty. But because of natural and man-made disasters or improper operation caused damage not under warranty range!

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