EXL-XL Profile Zoom CW 300W

USER MANUAL

CE RoHS

OVERVIEW

Thank you for using our product, this unit is designed for indoor using, it's widely used for stage, building, disco, etc. as high power led effects lighting, this unit can be operated as a single unit or multiple units for large applications. Direct input of DMX512 signal to unit to allow it controlled by any DMX controller, powerful internal programs and friendly and convenient operation interface allows customers to program freely to any different lighting project requirements for installation or showing.

This high power par can has gotten the nice sculpt, efficient, save electricity and durable。

This product complies with the following standards:

EN61000-3-2:2006+A2:2009
EN60598-1:2008+A11:2009

Technical Parameter:

- LED POWER: 300W
- LED Color: CW (300w) COB LED
- IC Chip: Epistar
- LED Life Time: over 10,000 hours
- Color Rendering Index(CRI): Ra≥90
- Voltage :AC90-260V 50-60Hz
- Max.power consumption: 360W
- Beam angle: Zoom from 15°to 38°
- Dimmer :0~100% linearly adjustable
- Strobe: 1-25times/sec
- Refresh Rate: >400 Video Flicker Free
- Focus: Can be adjusted by hand
- Technology: High-quality optical system , Glass reflector
- Control protocol: DMX 512
- Control System: DMX, Auto run and Master/Slave
- DMX Channels: 1/3CH(single color)
- Working Temperature: -30~40℃
- Cooling System:Low noise fan(one fan)
- Thermal Sensor Monitoring: Over-temperature Protection
- IP Grade: IP20
- Net Weight: 10kgs   Gross Weight: 13kgs
- Packing Size: 80x30.5x31cm

1. Product Introduction

1.1. Product Feature

➢ **2 kinds of running model**
- ■ External control mode (Slave model)
  - ◆ DMX 512 controller control(2 kinds channel modes)
  - ◆ Master/salve model control (auto match the signal from controller and the Master light, no need to set by menu)
- ■ static mode (Master model)
  - ◆ It can fix any color without the controller ,also work this color with strobe

➢ **Non-linear dimmer and linear dimmer**
- ■ The speed of dimmer can be set under the controller control

➢ **Screen Protect**
- ■ It will enter blank screen without any operate on the keyboard in 30 seconds . Press any keys then it can quit screen protection.

➢ **Temperature Protection**
- ■ It can be set to temperature protection mode

➢ **Speed of the Fan**
- ■ The fan will start to work when the working temperature reach 40 degree, and the speed will be changed according to the change of temperature.

➢ **Can be Reverse display**

1.2. Multi-light working in the same time

When using controller to control multi lights to work in strobe, the controller just send the channel data . The strobe effect will be depend on each light itself . And please take attention for the follow situation:

1. There will be many situations make the lights are not synchronization in the beginning. (For example: the different time of opening the light , or different time of them connect to the controller) .In this case, you can change value of the controller(for example push 20 to 0, and back to 20), then it can be synchronization.

2. Due to crystal frequency of different lights are not the same exactly, so it may not be synchronization after long time.

3. If need to keep synchronization for long time, there are two ways to do so:
   A. Using the controller to edit program make the strobe, auto run effect,then they must be synchronization.
   B. Using the Maser/Slave model

2. Operation

2.1. Key operation

A.001 (1~512)

d.001 (1~512)

StAt → **r.255** (0~255)
→ **St.00** (0~20)

tEnP → **0**
→ **t.080** (40~120)

dISP

rESt

Menu：
 The first list is the main menu (press MENU to exchange), the second list is submenu (press ENTER to get in or exchange)
 If the menu include the decimal point, that's the data, and it can be set by the Key of Up/Down.

Key operation：

Key of "MENU" (Press it and can save the data)
 If it's the main menu, it will exchange to next main menu.
 If it's the submenu , it will back to main menu.

Key of "ENTER" (Press it and can save the data)
 If it's the main menu and it have submenu, it will enter the submenu.
 If it's the submenu, it will exchange to the next submenu

Key of "UP/DOWN"
 It's no function if the menu not include the decimal point.
 If the menu include the decimal point, it can set the data after the decimal point. And it need to press "ENTER" to save the data.

2.2. Menu Data

Menu		State	Operation		Remark
Main Menu	Vice Menu				
A.001	No vice menu	A: advance	UP/DOWN	adjust ID adress	disconnect the controller and connect the master light, then it will follow the master light. It will flicker if no signal.
		External control mode (standard channel model)	ENTER	save the ID address	
d.001	No vice menu	d: dmx	UP/DOWN	adjust ID address	
		External control mode (Basic channel model)	ENTER	Save the ID address	
StAt	two vice menu	StAt: static	ENTER	enter vice menu	
		Static model			
	r.255	C: Color	UP/DOWN	change value of color	
		Set the color	ENTER	save the data change to the vice menu	
	St.00	St: strobe	UP/DOWN	change value of strobe	
		strobe and its speed	ENTER	save and exchange	
tEMP	two vice menu	tEMp: temperature	ENTER	enter the vice menu	
		temperature control			
	0	current temperature	ENTER	change to vice menu	
	t.080	t: top	UP/DOWN	change the data of temperature protect	
		set the protect temperature	ENTER	save and change	
diSP	No vice menu	diSP: display	ENTER	reverse the display	
		set to show reverse display			
rESt	No vice menu	rESt: reset	ENTER	enter the interface of key	the password is "UP DONW UP DOWN"
		return Initial State			

2.3. Channel data

2.3.1. Standard channel model

channel	data	function	Mark
1	0~255	dimmer	
2	0~10	default delay of dimmer	
	11~15	no dimmer	
	16~255	Choose delay of dimmer	16 is the shortest delay time, increase gradually.... 255 is the longest delay time
3	0~10	no strobe	
	11~255	speed of strobe (255 is fastest)	

2.3.2. Basic channel model

channel	data	function
1	0~255	dimmer

3.Photographic Chart

3.1 Spectrogram

3.2 CRI

3.3 Lumen

15°

	Center Beam LUX(lux)	Field Width(m)
1M	91141	0.3
2M	22770	0.5
3M	10059	0.8
4M	6129	1.0
5M	3976	1.3
6M	2927	1.6
7M	2286	1.8
8M	1873	2.1
9M	1698	2.4
10M	1631	2.6
15M	757	4.0

38°

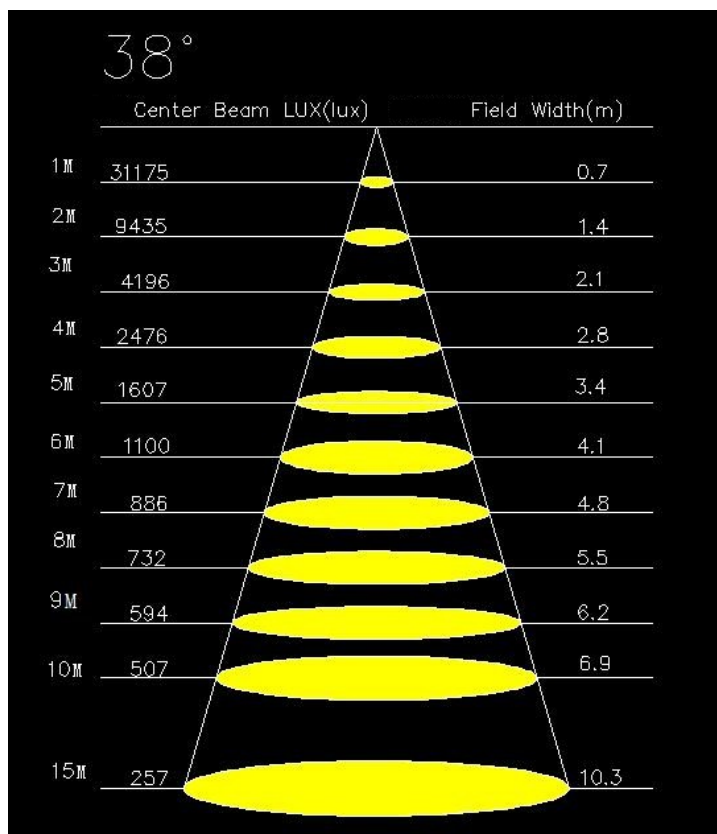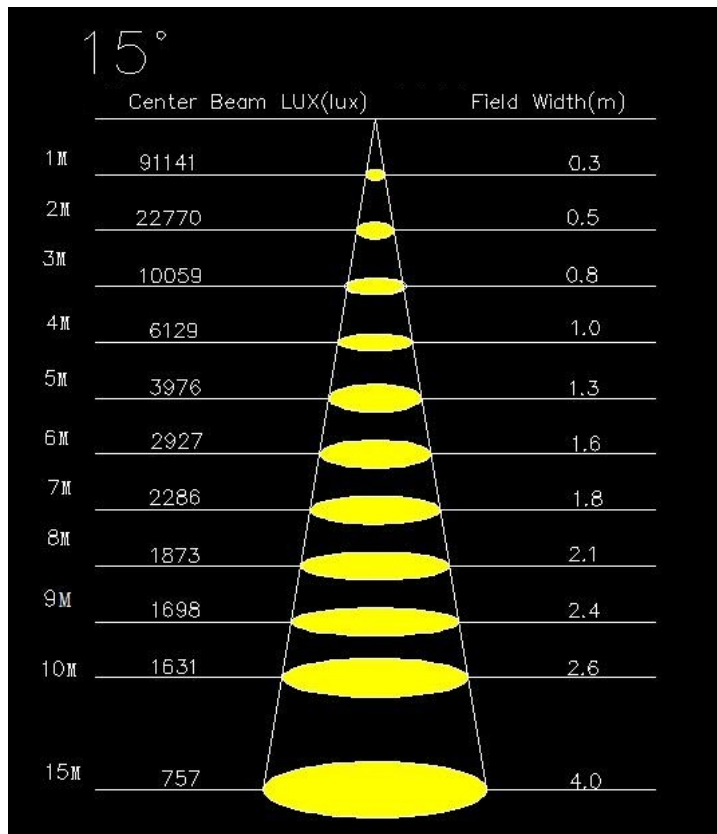|	Center Beam LUX(lux)	Field Width(m)
1M	31175	0.7
2M	9435	1.4
3M	4196	2.1
4M	2476	2.8
5M	1607	3.4
6M	1100	4.1
7M	886	4.8
8M	732	5.5
9M	594	6.2
10M	507	6.9
15M	257	10.3
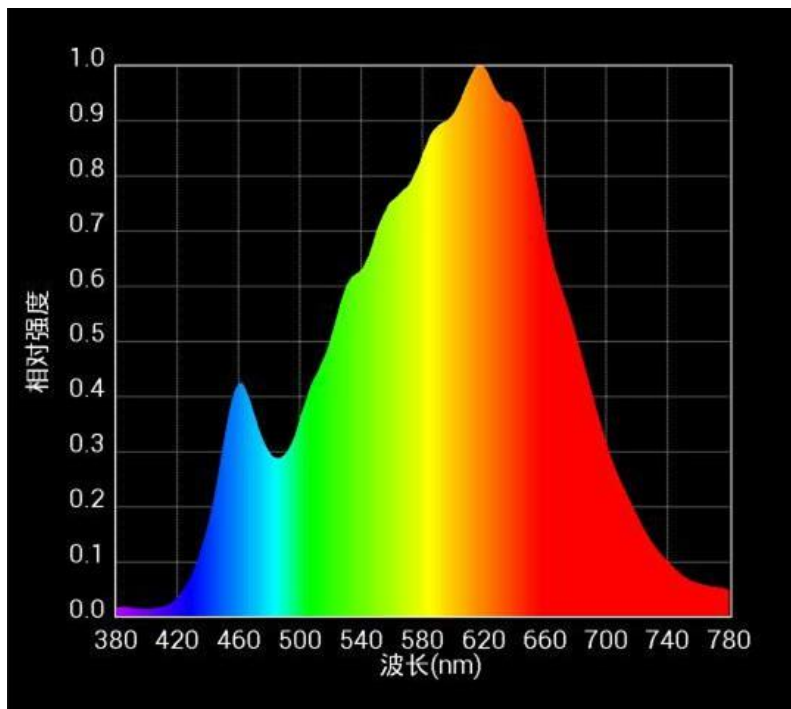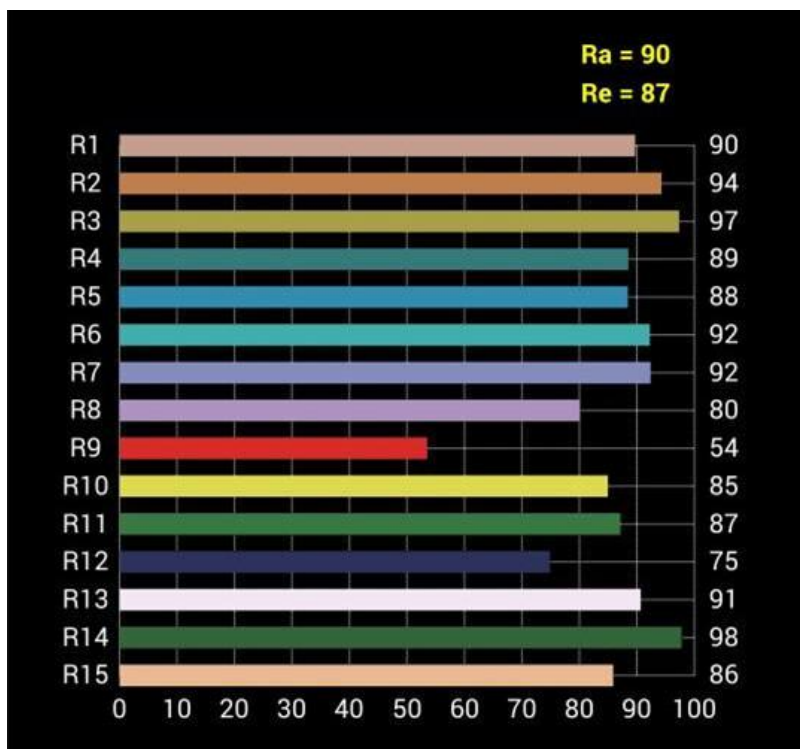
SAFETY WARNING

1. Warning

* Every person involved with the installation , operation and maintenance of this device has to be qualified .

* User must follow the instructions of this manual

* Unqualified person can not open the housing cover and operate the device , or the dealer will not accept liability for any resulting defects or problems.

* The device against rain and moisture

2. Waring notes :

* Power supply : AC 100V-240V , 50/60Hz

* Make sure the power switch is off , the power plug , outlet and the earth connection is in well condition before connecting the device with the mains.

* Please use qualified power plug and the outlet. Never connect the power cord of this device with other electrical equipment.

* During move and installation , make sure the device not crashed with metal parts and other tough materials.

* Always disconnect from the mains, when the device is on the installation and dismantled

* The minimum distance between light-output and the illuminated surface must be more than 50cm

* The device must only be installed on a non-flammable surface . In order to safeguard sufficient ventilation , leave 50cm of free space around the device . Please note that heat-sensitive objects may be   deformed or damaged by the emitted heat .

* During the operation the housing becomes very hot ! Do not operate the device for 15 minutes after switching off .

* The maximum ambient temperature Ta = 45℃ must never be exceeded , The maximum housing temperature Tb = 80℃ must never be exceeded .

* For indoor use

* Replace any visible cracked protective shield , filters and lens .

* The protective shiel, filters and lens will require weekly cleaning as smoke "Cfluid tends to building up residues , reducing the light "Coutput very quickly.

APPENDIX

Problem and solution

Problem	Reason	Resolution
Device not work	No power	AC100V-250V,50HZ/60HZ Check the power connection, and make sure device connect the mains in well condition. Check if switch is on Check if the fuse is good
Led bulb is off	led bulb damaged	Replacing led bulb
	Led driver board damaged	Replacing led driver board
	temperature swtich damaged	Replacing temperature switch
Fans not work	Fans damaged	replacing fans

Caution :

 * Unqualified person involved with installation , operation and maintenance of this device is prohibited .

 * If any above mentioned problem happened , or unknown problem happened , please contact manufactory or distributor or distributor for assistance

DISCLAIMER

1. The device is with one year warranty . The warranty period appear non-artificial quality problem, this company is responsible for free maintenance

2. User violate operation caused the machine failure, this is user responsibility.

3. If due to the wrong operation or intense impact caused product destroy even safety accidents, the manufacturer does not undertake any responsibility

4. Prohibit replaced product components by any person, therefore caused any consequences will be whose responsible

Please contact us freely when you need our related products or informations...