DREAMLIGHT

DREAM LIGHT Workshop

User Manual

DLW L300ZM IMAG

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Technicalspecification

Electrical parameter
Input voltage: AC100-240V 50/60Hz
Input power: 400W
Maximum input current: 4A
Light source parameter
Light source type: LED 350W COB
LED life: 50,000 hours
Optical parameter
Beam Angle: 15°-32°
Explicit reference: Ra⩾90
Color temperature: 3200K/5600K(conventional)/ dual color temperature /RGBW 4 color (custom) effect configuration
Focus: Electric focus
Stroboscopic: 0-30Hz
Dimming: Linear dimming
Body structure
Shell material: aluminum profile
Heat dissipation: no fan (completely silent)
Electronic control technology
Control mode: (3200K/5600K) 4CH/ (RGBW) 8CH
Control protocol: DMX, RDM
Control interface: XLR-3
Menu display: 1.8-inch TFT LCD with 5 buttons
Size and weight
Product size: 907X282X315 (mm)
Package size: 980X450X390 (mm) (carton)
Net weight: 19.5Kg
Gross weight: 22.5Kg
Conditions of use
Operating temperature: -20°C~40°C
Maximum surface temperature: 55°C
Protection level: IP20

Preface

This Manual contains important information about the installation and use of the product.Please strictly follow these related instructions during installation and use.Before turning on the product or performing repairs, etc., make sure that the power is off.
1. Please read the entire contents of this Manual carefully.(Please keep this Manual with the imaging light for future reference).
2. In order to ensure the correct and safe installation, use and maintenance of this product, you must understand and follow the instructions in this Manual.
3. The manufacturer will not undertake any responsibility for the damage to the imaging light, property loss or personal harm caused by the failure to install, use and maintain this product in accordance with this Manual.
Note: The data contained in this Manual may be changed in the future with any further notice.

Safety Warning

Warning: When using the imaging light, please keep away from fire and water sources, and avoid splashing the fire or water source into the body.

Accessories Attached

(Accessories)
1. User Manual (1 pcs)

Unpacking Instructions

After unpacking, check if all the items in the package are complete. Secondly, please check if the entire imaging light is damaged. If it is damaged, keep the original imaging light and return it to the factory.

Product Description

This product is a non-domestic product and is for professional use only. Without wearing protective glasses, please do not look directly at the light source of this lamp to avoid damaging human eyes. Please read the safety precautions in this section carefully before installing, using, operating, and maintaining this product.

Statement

When this product is shipped from the factory, its performance is intact and its package is complete. All users shall strictly observe the warnings and operating instructions stated below. Any damage caused by misuse is out of our warranty, and any failure or problem caused by negligence by the user is out of our warranty as well.
The Manual is subject to change without further notice.

Precautions for the Product

1. In order to ensure the safety of the product, do not place the product in a humid or leaky place, and do not use it in an environment with temperature above 40 °C or below -20 °C.
2. Do not put this product in a place where it is easy to be loosened or vibrated.
3. The imaging light contains professional components such as microcomputer circuit board, high-voltage power supply, etc. For your safety and product life, non-professionals must not disassemble the imaging light and related accessories without authorization.
4. When using the imaging light, please make sure that the power supply voltage does not exceed 100 V-240 V. If the voltage is too high, it will shorten the life of the lamp beads. If the voltage is too low, it will affect the light color of the bulb.

Installation of imaging light

1. The imaging light can be placed horizontally, mounted laterally and upside-down.Pay attention to the installation method when the imaging light is mounted laterally and upside-down.
2. Before positioning the imaging light, ensure the stability of the installation site. When install the imaging light upside-down, ensure that the imaging light does not fall on the support frame to ensure safety and prevent the imaging light from falling and sliding.
3. When the imaging light is installed and debugged, pedestrians are not allowed to pass under it. Regularly check whether the hook screws are loose.
Warning: We will not bear any responsibility for all the consequences caused by the falling of the imaging light due to the unstable installation of the hung imaging light.
4. During the installation and positioning of the imaging light, please do not install the imaging light directly on the surface of combustible materials; the imaging light must be installed away from flammable, combustible and explosive materials, and the minimum distance between two imaging lights shall be no less than 1.2 m, and the distance from the target object shall not be less than 3 m.
5. Be sure to install the imaging light in a well-ventilated place, and keep the ventilation holes unobstructed to avoid overheating when the imaging light is running.
6. Be sure to install the imaging light in a dry place, avoid installing it in a place with flammable liquid, water or strong corrosion, and avoid fire caused by short circuit of the circuit board components due to excessive humidity in the environment and corrosion of electronic components inside the imaging light.
7. The product must be provided with ground wire connection. Please ground the conductor to prevent electric shock.
8. Make sure that the power supply system is in line with the electrical specifications of the product during installation. At the same time, make sure it is equipped with overload and fault leakage protection, over-current protection, etc.
9. Do not use the power cord with damaged insulation. Do not connect the power cord to other wires.
10. The same series of products can be installed and used in series. The products of different series cannot be used in series. The number of the imaging lights of the same series connected in series shall not be more than 8.

Product Use

1. The installation and operation of the imaging light must be performed by professionals. It is strictly forbidden to operate related equipment by non-professionals or untrained personnel.
2. Before running the imaging light, make sure that the power voltage of the power supply system matches the power voltage required by the equipment.
3. Please carefully check the power cord for damage before turning on the imaging light, and replace it immediately if damaged.
4. Before the imaging light is turned on, check whether the wiring is proper and avoid the power cord from being tangled with other wires. Do not touch the wires when the imaging light is running to avoid electric

Manual Mode

option	Description	
dimming	0-255	0 to 255 Press OK to enter the editing mode. Press the Up and Down keys to change the value. And DMX console 2 channels are the same, enter here do not receive DMX512 signal.
amplification	0-255	
focusing	0-255	
macroefficiency	0-255	

Channel Mode

channel	control function	numeric value	explain
1	aiming	0~255	All beads total dimming, 0-255 dark to bright
2	amplify	0~255	Motor schedule adjustment
3	focus	0~255	Motor schedule adjustment
4	macro	0~10	all-or-none
		11~20	Beam angle / 32 degrees
		21~30	Beam angle / 26 degrees
		31~40	Beam angle / 19 degrees
		41~50	Beam angle / 15 degrees
		51~250	Beam angle / 15 to 32 degrees linear variation (small to large)
		251~255	all-or-none

Advanced menu

option	Description	
Amplification calibration	-127~128	Motor reset calibration value adjustment
Focusing calibration	-127~128	
Restore default settings	Select and press Confirm	Restore the function under the setting interface to factory Settings, press the "OK" key to restore the default Settings.
Hall state	111	Close to the magnet pair strain 0, away from the change to 1

Language Switching

option	explain
English / Chinese	Press the "OK" key twice to switch in Both Chinese and English

Screen Rotation

option	explain
Rotation by 180°	Press OK twice and rotate the screen 180 degrees

System Information

option	explain
Software Version Number (Ver)	Displays the software version number currently used
This time of use	Displays the total usage time information
Total use time	Displays the usage time information
Current temperature is (°C)	Displays the current detected temperature

Settings

Option	Description	
Mode of operation	DMX	Slave status: Receive DMX signal from the console or the master
DMX address	1~512	Press the "OK" key in order to enter the editing state.Press the "Up" and "Down" keys to change the address code.Press the "OK" key again to save the address code.
Channel Mode	4CH	4 Channel mode; see (Channel Form) for channels.
No DMX signal	Keep	Continue to run as before
	Clear	Stop running
Screen saver	Black screen	Turn off the backlight after idle for 30 seconds
	DMX address	Display DMX address after idle for 30 seconds, in default
	Off	Backligt on forever
Over-temperature protection	095	When the temperature exceeds the set temperature, the power of the lamp beads will slowly drop to a half power state. When the temperature is lower than the set temperature, the power of the lamp beads will slowly return to the normal state.

5. Before operating the imaging light, please check whether all the housings (covers) are installed and whether the screws are tight. It is forbidden to use the imaging light with housings (covers) uninstalled.
6. When the imaging light is turned on, do not place flammable articles next to it to avoid fire.
7. In the process of using the product, you cannot move it at will; within the travel range of the product, ensure that it has enough space to prevent the product from colliding with other objects during operation.
8. The surface temperature can reach 65℃ when the imaging light is running. Do not touch it with bare hand to avoid burns.
9. When the imaging light fails, please cut off the power first, do not check it with power on.In particular, you must disconnect the power supply before replacing fuses or lamp beads.
10. A small amount of smoke or odor may appear during the first operation of a new imaging light, and will disappear after 15 minutes.This is a normal condition.
11. The imaging light will be very hot when it is running. Do not touch the bulb with bare hand.Please replace the lamp beads when they are damaged, deformed by heat or exceed the service life.
12. It is recommended that the continuous working time of the imaging light should not exceed 10 hours, and the interval between continuous startups of the imaging light shall not be less than 10 minutes.
13. When the imaging light has a problem or fault, please stop using it immediately.Without authorization, do not open the imaging light housing and repair it by operating a machine.Operation by non-professional personnel will cause secondary damage to the equipment or deepen functional malfunction.If a repair is required, contact the nearest authorized service center.If you need to return the imaging light to the factory for repair, please use the original packaging material for the imaging light to be returned to the factory for after-sales service.

Check and Maintenance

1. The following items must be checked when maintaining the imaging light:

- Be sure to securely tighten all the screws used to install the imaging light, and inspect and replace the corroded screws.
- Make sure that the body, lens, and mounting bracket (including ceiling and hanger) of the imaging light are not deformed.
- Check if there is any wear on the rotating head of the imaging light, keep the imaging light rotating in balance.
- Check whether the power cord is damaged or the insulation layer is worn.
- Further maintenance must be performed by relevant professionals.Further resolve any safety problem

Warning: Before the maintenance and cleaning of the imaging light, be sure to cut off the power supply.

2. Be sure to perform preliminary maintenance on the product every month and check whether the screws and circuit board terminals of the external and internal parts of the imaging light are locked and tightened.If the terminals on the circuit board are yellow or corroded, please replace them in time.
3. Be sure to perform maintenance inspection on the imaging light every one month to ensure that each cooling fan runs normally, and that no dust or debris blocks the fan's heat dissipation port of the imaging light and thus affects the heat dissipation of the imaging light.
4. Be sure to clean the optical lens of the imaging light once every month to ensure the effective output of light effect.(PS: Please use soft linen and special glass cleaner for cleaning. It is strictly forbidden to use cleaners with corrosive ingredients, such as thinner or alcohol).

5. Be sure to conduct a detailed electrical inspection of the imaging light by an approved electrical engineer every three months to ensure that the circuit contact of each part is good and avoid overheating caused by poor circuit contact and unnecessary accidents.

PS: The damage caused by ignoring the specific instructions in this Manual is not covered by the warranty, and the dealer or the manufacturer will not undertake any liability for any defect or problem arising therefrom.

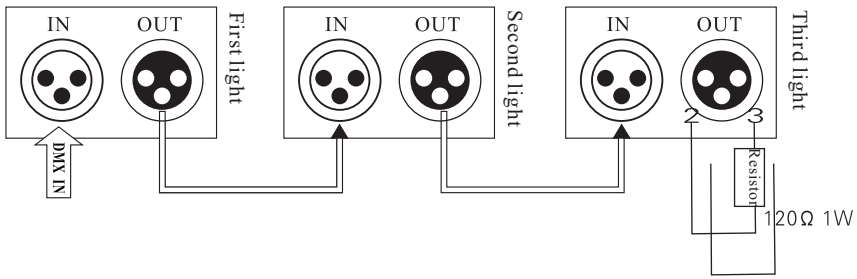
Common Troubleshooting

1. After the lamp is reset normally, it does not accept the control by the console.
1) Possible cause: The signal cable is faulty or the parameter settings of the imaging light are abnormal. The troubleshooting is as follows: check the starting address code and check the connection of the DMX signal cable (whether the signal cable is intact and the Cannon connector is loose); if the DMX indicator light is on, but there is no response to the channel control, check whether the address code is set correctly; if the DMX signal is intermittent, check whether the connection between the Cannon connector and the signal cable is good.
2) Add a signal amplifier, and add a 120Ω terminating resistor to the Cannon connector of the last imaging light.
3) Replace the console and have a test.

2. The imaging light cannot be started.
1) Probable cause: Poor contact of the power cord. The troubleshooting is as follows: check whether the fuse on the power input socket is blown, and replace the fuse if necessary;
2) In the case of long-distance transportation, the imaging light has poor wire touch due to vibration. Check whether the power at the input terminal is normal.
3) Check whether the switching power supply has voltage output.

Connection of imaging light

There are self-contained power supply and signal connection cables between imaging lights. This product can accept the digital control signal in DMX5 12 format. Connect the control signal to the "DMX In" end of the imaging light, and then connect it from the cable marked with "DMX OUT" to the "DMX In" end of the next moving light. For the connection of the signals of the imaging light, it is recommended to use the DMX signal terminal to avoid the digital control signal being damaged by electric noise. Connect a 120Ω 1W resistor between Pin 2 and Pin 3 of the XLR plug and connect it to the DMX OUT line connector of the last imaging light.As shown in the figure:



Menu Structure

Main menu	Level-2 menu	Function and Description
Settings	Mode of operation	Basic function setup
	DMX address	
	Channel Mode	
	Screen saver	
	No DMX signal	
	Over-temperature protection	
Manual		Manually controlled imaging light
System	Version	System Information
	Current use time	
	Total use time	
	Current temperature (°C)	
Advanced	Reset to default	The functions under the "Restore Settings" interface are the factory settings.
.081#		Rotating the screen
EN/CN		Switching between Chinese and English