VG-PL50W 50W Mini LED Fresnel Spot Light User Manual

50W Mini LED Fresnel Spot Light

VG-PL50W(3200K/5600K)



CERoHS

User Manual

📖Please read this user manual before using this product!

Keep it for further reference!

http://www.vangaa.com

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VG-PL50W 50W Mini LED Fresnel Spot Light User Manual

Thank you for using our product! Please read this manual carefully and completely. For technical reference in future, please keep this user manual well. This user manual contains all installation and operation information of this LED Fresnel Spot Light, it's very useful for user to install and operate the light. Please strictly abide by the relevant instruction for the installation and operation.

This light has very beautiful appearance. This is a professional LED Fixed Lens Spot Light. It uses high CRI and high power LED integrated lamp (COB lamp) as the light emitting element. So the light has high light efficiency, good color rendering, low glare value, long lifespan, energy conservation, environmental protection and other advantages. The light has high brightness, uniform light, which is very suitable for meeting room, studio and other places. Using DMX signal to realize the linear dimmer, more convenience. This light is saving energy and protecting environment, pure color temperature, it is a very suitable substitute of the traditional 650W Fresnel Spot Light.

This light meets the following criteria:

GB7000.1-2007/IEC60598-1:2003

GB7000.217-2008/IEC60598-2-17:1984+A2:1990

Ⅰ INTRODUCTION

Thank you for having chosen our 50W LED Fresnel Spot Light. You will see you have acquired a powerful and versatile device.

Unpack your 50W LED Fresnel Spot Light

Delivery includes

50W Mini LED Fresnel Spot Light 1pc

Signal Receiver 1pc

DMX cable 1pc

Power cable 1pc

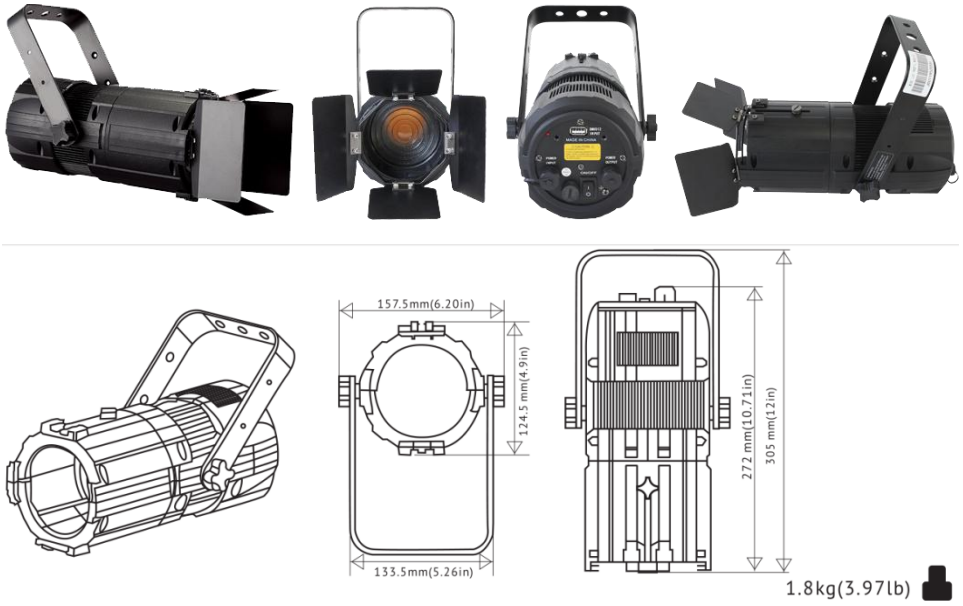
User Manual 1pc

Ⅱ DESCRIPTION OF THE DEVICE

1.Profile

With the idea of energy saving and environment protection, the device use lower power loss with extremely high efficiency led. The device housing cover is made of new high strength heat resistance engineering plastics, with beautiful shape and smooth lines. The design and manufacturing are in compliance with IEC standard. The device is suitable for large-scale theatrical performance, theater, performance hall, bar, night club and so on.

2.Overview



All dimensions are in millimeters

3. Specification

Power supply: AC100V-240V, 50/60Hz

Power consumption: 65W

DMC Chanel: 2CH

Color temperature: 3200K/5600K

CRI:≥92Ra/90Ra

LED life:＞50000 hours

Strobe: 1-20 flash per second

Protection grade: IP20

Use environment temperature:-20~45℃

Small volume, lightweight

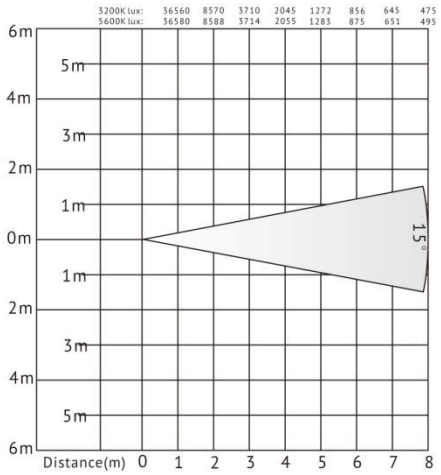
Adjustable Beam Angle:15° ~45°

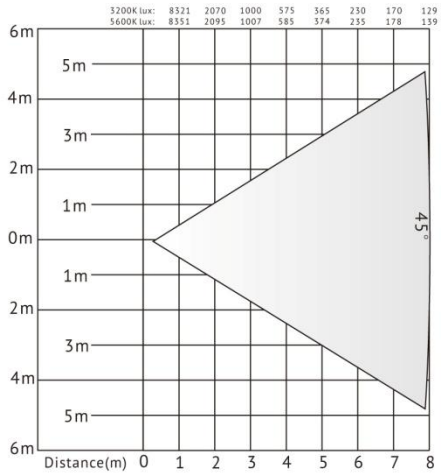
Dimmer: 0~100% dimmer intensity

N.W.:1.8kg

Dimensions:380*195*195mm

4.Photographic chart





5.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 cannot open the housing cover and operate the device,or the dealer will not accept liability for any result defects or problems.
- Use and store the device against rain and moisture

② **Warning note**

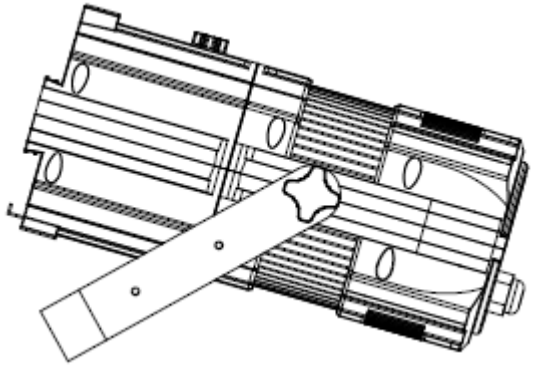
- Power Supply AC100V-240V,50HZ/60HZ
- Make sure the power switch is off, the power plug, outlet and the earth connection are in well condition before connecting the device with the mains.
- Please use qualified power plug and outlet. Never connect the power cord of this device with other electrical equipment.
- When moved and installed, make sure the device would not crash with metal parts or any other materials.
- Always disconnect from the mains, when the device is on installation and dismantling.
- 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 50 cm of free space around the device. Please note that heat-sensitive objects may be deformed or damaged by the emitted heat.
- During operation, the housing becomes very hot! Do not operate the device for15 minutes after switching off.
- The maximum ambient temperature Ta-45℃. Never exceed it. The maximum housing temperature Tb-80℃. Never exceed it.
- For indoor use only.
- Replace any visible cracked protective shield, filter and lens.

- The protective shield, filters and lens require weekly cleaning as smoke "fluid tends to building up to residues, reducing the light".

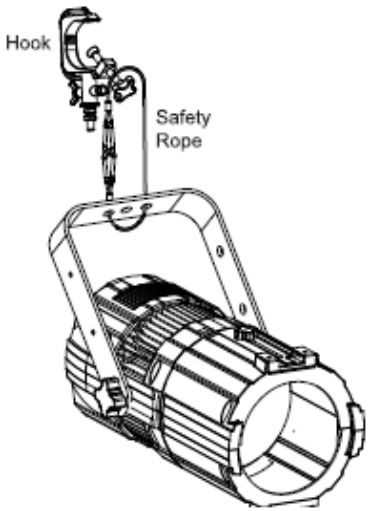
Ⅲ INSTALLATION

1. Installation

- When installed, keep the device far away from the heat sensitive objects and explosives sensitive objects, leave at least 50cm of free space around the device.



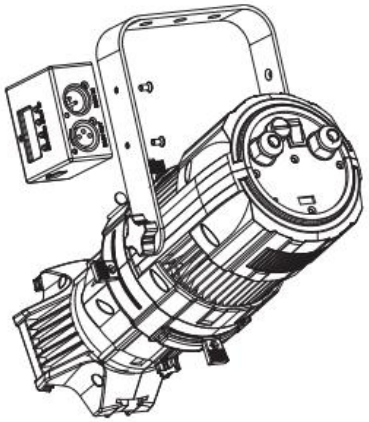
- When rigging the device to the truss with its head facing the floor, insert the quick-lock fasteners of the first mounting holder into the respective hole at the bottom of the device. Tighten the quick-lock fasteners fully clockwise. Install the second mounting holder. And the safety rope must be used at the same time.



- Please use qualified safety-rope, which can hold at least 10times the weight of the fixture. You must only use safety-ropes with quick links with screw cap.

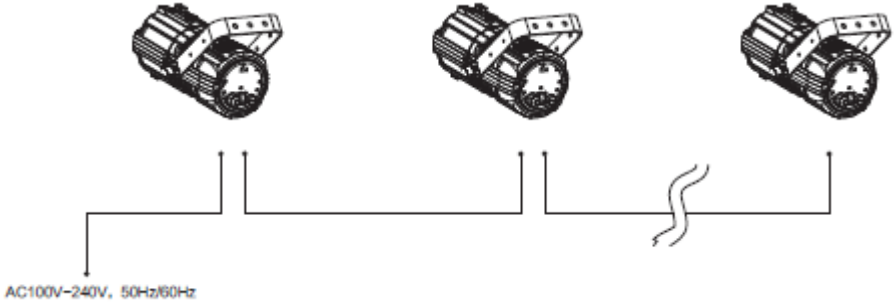
  Pull the safety-rope through the hole at the bottom of the base and over the trussing system etc. Insert the end in the quick link and tighten the fixation screw. A safety rope which already hold the strain of a crash or which already hold the strain of a crash or which is defective must not be used again.

- When firstly used, please fasten the signal receiver on the mounting bracket as the following drawing, then connect the device through USB cable and signal cable.



2. Connection with mains

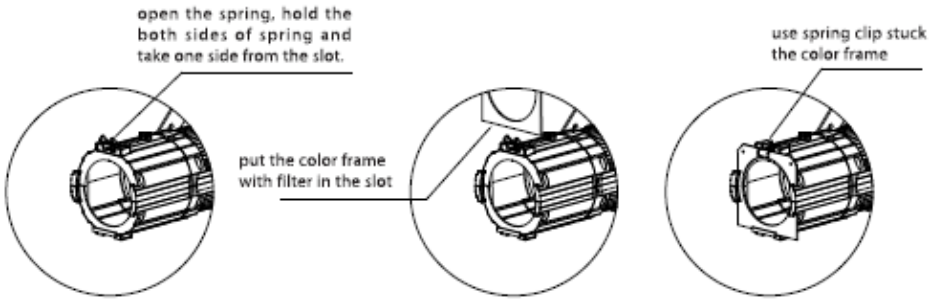
- The person involved with the power connection must be qualified, and has the electrical engineering certificate.
- Connect the device to the mains with the power plug.
- The earth has to be connected.
- Power consumption: 65W, input power supply: AC100V-240V, 50/60HZ.



- **The use of color frame**

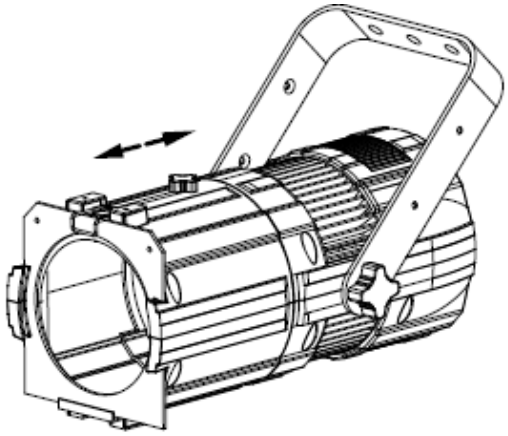
  Take out the color frame. Loose the screws, insert the color and lock the screws again

- Insert the color in the slot.



3. Zoom

- Shown in the figure, loosen the handle, move it forward or backward to get needed spot size, then tighten the handle.



4. Replacing fuse

- Before replacing the fuse, unplug the main lead.
- Procedure:

Step1:Unscrew the fuse holder on the rear panel with a fitting screwdriver from housing(anti-clockwise).

Step2: Remove the old fuse in the fuse holder.

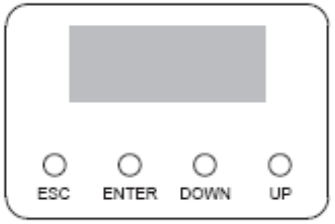
Step3: Install the new fuse in the fuse holder.

Step4: Replace the fuse holder in the housing and fix it.

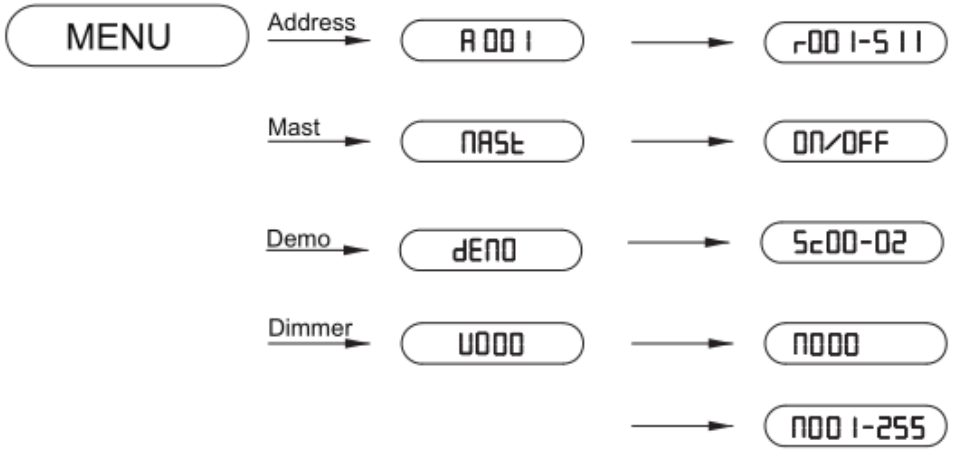
Ⅳ OPERATION

1. Description of the keys

- **ESC.**
- **ENTER.**
- **DOWN.**
- **UP.**



2. Menu



Important notice:
This equipment is dimming DMX512 signal priority, when the input signal, the menu dimming is invalid; as in the menu by light, please cut off the input DMX512 signal!

3. Basic setting

- [Address 001] is the default setting, then switch on the device, the device display with show the message [R 001]

- Press [ENTER] key into and select [R 001]. Use the [UP] and [DOWN] keys to select required address [r001-511] and press to confirm or to cancel and return to the main menu. press [ENTER] key to return and confirm;
- Press [UP] key to select [NASt, press [ENTER] key into and use the [UP] and [DOWN]keys to select [On/ OFF] , press [ENTER] to return and confirm ;
- Press [UP] key to select [dENO], press [ENTER] key into [ScOO] , Use the [UP] and [DOWN] keys to select [Sc 00-02], press [ENTER] to return and confirm ;
- Press [UP] key to select [UOOO], press [ENTER] key into and use the [UP] key to select[nOO1-255], press [ENTER] to return and confirm. The function is only valid in the absence of DMX512 Signal.

4. DMX channel chart

CHANNEL	DMX VALUE	FUNCTION
CH1	000←→255	Linear dimmer, 0-100%
CH2	0	Shutter open
	001←→127	Strobe effect with increasing speed
	128←→159	Sudden effect with increasing speed
	160←→191	Pulse effect with increasing speed
	192←→255	Random effect with increasing speed

Ⅴ APPENDIX

Problem and solution

Problem	Reason	Solution
Device not work	No power	AC100-240V, 50/60Hz Check the power connection, and make sure the device connected with the mains in well condition. Check if the switch is on. Check if the fuse is normal.
LED Bulb off	LED bulb damaged	Replace LED bulb
	LED drive board damaged	Replace LED drive board
	Temperature switch damaged	Replace temperature switch
Fans not work	Fans damaged	Replace 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 the manufacturer or distributor for assistance.

Please keep this manual as reference.

Thanks again for your support. We truly appreciate it!