400W Colorful LED Profile Light

VG-ERS400G

CE RoHS

User Manual

📖 Please read this user manual before using this product！

Keep it for further reference!

http://www.vangaa.com

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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 Profile 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. Based on the LED Film and Television Light Technology, using high brightness COB LED chips beads matrix arrangement of large area, through the whole aluminum shell to realize heat dissipation naturally, we have designed this light. This light has high brightness, good head dissipation, ultra-quiet and other features. It can satisfy the requirement of indoor movie filming for the lighting layout. It is a good substitute of the traditional Fresnel spot light, which is very suitable for the studio room, TV station, Meeting room, stage, show and other entertainment places.

This light meets the following criteria:

GB7000.1-2007/IEC60598-1:2003

GB7000.217-2008/IEC60598-2-17:1984+A2:1990
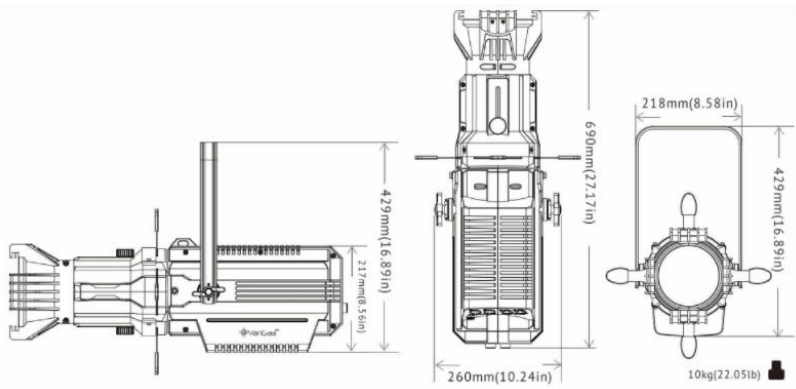
Ⅰ PRODUCT MAIN FEATURES

The light's lighting function is controlled by DMX-512 and RDM, very convenient;
Using international standard (1990) DMX single, digital control panel display;
With 12 DMX channel layout, every color can be controlled;
Dimmer range: 0~100%, 0~15% dimmer smoothly;
CRI more than 92, 1800-10000K color temperature adjustable, light effective distance is 3~50 meters;
Cast aluminum radiator, equips copper tube radiator, and mute fan cooling, realize the

silent, intelligent temperature control system, improve the quality of our products stable

performance, apply to indoor installation.

Using brand LED chips, integrated encapsulation, improve reliability and long lifespan.

Using the advanced optical reflective material, make the light on the projection distance

and brightness is higher than traditional film soft light.

Ⅱ OVERVIEW AND DIMENSIONS

218mm(8.58in)
429mm(16.89in)
690mm(27.17in)
429mm(16.89in)
217mm(8.5in)
260mm(10.24in)
10kg(22.05lb)

All dimensions are in millimeters

Ⅲ SAFETY INFORMATION

※Important

Every person involved with the installation, operation and maintenance of this device has to

be qualified and follow the instructions of this manual. Manufacturer will not with

responsibility for those operations which are not according to this Instruction.

Verify that the voltage matches the rated voltage.

When the voltage is 110V, Do not connect more than 10 lightings in total to AC mains

power in one interconnected daisy chain

When the voltage is 240V, Do not connect more than 20 lightings in total to AC mains

power in one interconnected daisy chain

Before using the fixture, check that all power distribution equipment and cables are in

perfect condition and rated for the current requirements of all connected devices.

Always ground (earth) the fixture electrically.

Avoiding hit the Light when you are move or install the light.

The minimum distance between light-output and the illuminated surface must be more

than 0.5 meters. Keep all combustible materials (for example fabric, wood, paper) at least

0.2 meters away from the fixture.

Do not expose the fixture to rain or moisture.

Avoid looking directly into the light source (especially those who suffer from epileptic fits)

Maximum ambient temperature (Ta) is 35°C. Do not operate fixture at temperatures higher

than this.

The Maximum surface temperature is 60°C

When suspending the fixture above ground level, verify that the structure can hold at least

10 times the weight of all installed devices.

Verify that all external covers and rigging hardware are securely fastened and use an

approved means of secondary attachment such as a safety cable.

Ⅳ POWER CONNECTION

INSTALLING A NENUTRIK CONNECTOR ON A POWER CABLE

20mm
8mm
N
L

Housing   Insert   Chuck   Bushing
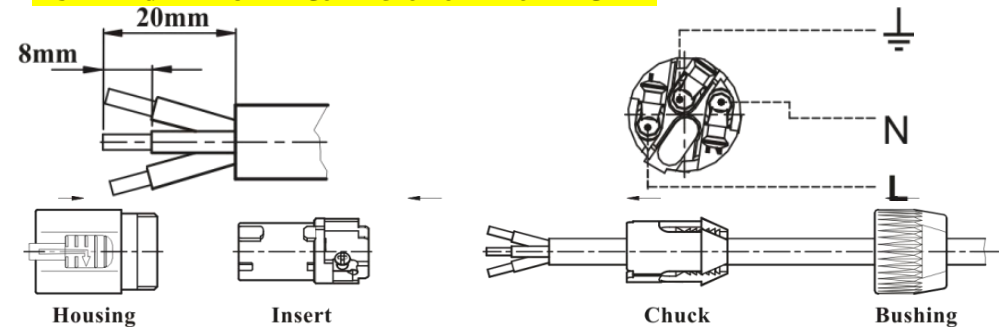
Put bushing and chuck onto the cable.

Prepare cable as shown above. The power cable must is a three-conductor 2.5mm2 cable.

Insert the wire into the terminals and fasten the clamping device by a flat screw driver.

Push insert and chuck into housing (pay attention to the guiding keyway).

Fasten bushing.

The color-coding schemes and some possible pin identification schemes; if pins are not clearly identified, or if you have any doubts about proper installation, consult a qualified electrician.

RELAYING POWER TO OTHER DEVICES

The lightings can be linked in a chain by power cables which installed a blue and a light-gray connectors on the two ends. The light-gray connector connects to the power out socket of the first lighting, and the blue connector connects to the power in socket of the subsequent lighting, and so on.
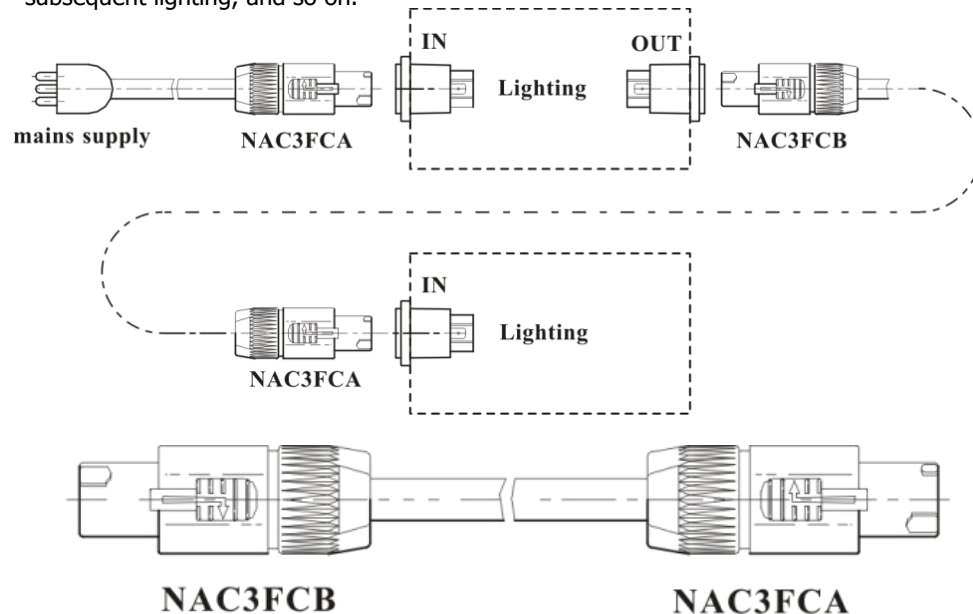
The power cable must is a three-conductor 2.5mm2 cable.

When the voltage is 110V, Do not connect more than 10 lightings in total to AC mains power in one interconnected daisy chain.

When the voltage is 220V, Do not connect more than 20 lightings in total to AC mains power in one interconnected daisy chain.

| Wire color	Conductor	Symbol
Brown	Live	L
Blue	Neutral	N
Yellow/green	ground	⏚

PHYSICAL INSTALLATION

This lighting can be placed on a horizontal surface such as a stage or clamped to a truss or similar rigging structure in any orientation using a rigging clamp.

When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.

Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

Ⅴ CONTROL PANNEL

MENU Enter Down Up
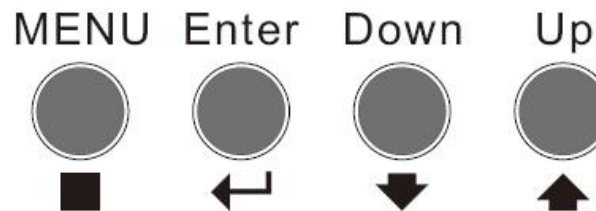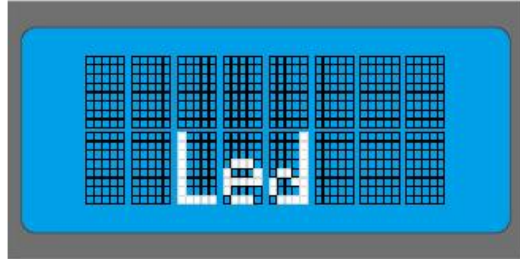
MENU   Call the main menu, or escape the current menu, (i.e. return to the upper menu and give up the selected item or parameter).

ENTER   Confirm the selected item or parameter, (i.e. enter into the next menu, or escape the current menu and save the selected item or parameter).

DOWN   Browse the menu item backward or decrease the parameter.

UP   Browse the menu item forward or increase the parameter.

MAIN MENU

The way into the menu as below:

1. Press **ENTER** when the display show the title information;
2. Press **UP** or **DOWN** button to choose the right menu which you need;
3. Press **ENTER** into the menu;
4. Press **UP** and **DOWN** button to set the parameter or setting;
5. Press **ENTER** to save the setting;
6. Press **MENU/SET** button to back.

DISPLAY	FUNCTION DECLARATION	KEY OPERATION	ADDITIONAL REMARKS
T=xxxC	◆ REAL-TIME TEMPERATURE (DEGREES CELSIUS) ◆ A FAILURE OCCURS WHEN THE TEMPERATURE SENSOR IS NOT DISPLAYED ◆ CHECK WHETHER THE AIR PATH IS NORMAL		
No Signal	NO DMX512 SIGNAL WAS RECEIVED		
RX DMX	RECEIVE THE DMX512 SIGNAL		
RX Slave	FROM THE MACHINE STATE	ONLY SET A HOST, FROM THE MACHINE AUTOMATICALLY IDENTIFY	UNPLUG THE CONSOLE SIGNAL FROM THE MASTER MODE
Address	ADDRESS CODE SETTING	PRESS UP, DOWN TO SELECT THE MENU TO SET, AND THEN PRESS ENTER	
Mode	Mode = 07 Channel DMX		
	Mode		
	Mode = Alone scene	Set alone scene Led 1	Led 1 = 000-255
		Set alone scene Led 2	Led 2 = 000-255

		Set alone scene Led 3	Led 3 = 000-255
		Set alone scene Led 4	Led 4 = 000-255
		Set alone scene Led 5	Led 5 = 000-255
		Set alone scene Strobe	Strobe = 000-255
		Set alone scene Zoom	Zoom = 000-255

==**SETTING DMX 512 MODE**==

1.press ENTER to enter the menu selection when the title information is displayed

2 . Press UP / DOWN to select the Mode menu and press ENTER to enter

3 . Press UP / DOWN to select the 07 CH DMX or 11 CH DMX menu, and press the ENTER

key to save it

4. Press SET to return to the header mode (the second row shows the "" 05H or 06CH

Address=001 ") to complete the setting

==**Set the boot is always bright method**==

1, press ENTER to enter the menu selection when the title information is displayed

2, press UP / DOWN to select the Mode menu and press ENTER to enter

3, press UP / DOWN to select the Alone scene menu and press ENTER to save

4, press UP / DOWN to select the Set auto modeColorTemperature menu,

Press ENTER to enter the LED color temperature selection

5, press UP / DOWN to select the Set auto modeDimmer menu, and then press the ENTER

key to enter the LED brightness setting

6 Press UP / DOWN to adjust the brightness (=000 off light =255 maximum brightness) and

press ENTER to save

7 Press SET twice to return in header mode (the second line shows Master Auto

) That is to complete the setting

* Voice control mode according to the model of the lamp has no voice control module

Ⅵ DMX PROTOCOL

==**7CH MODE**==

CH	Name	Value	Function
CH1	DimmerAll	000←→004	Dimmer off
		005←→255	Dimmer from 0% to 100%
CH2	Dimmer1	000←→255	Dimmer from 0% to 100%
CH3	Dimmer2	000←→255	Dimmer from 0% to 100%
CH4	Dimmer3	000←→255	Dimmer from 0% to 100%
CH5	Dimmer4	000←→255	Dimmer from 0% to 100%
CH6	Dimmer5	000←→255	Dimmer from 0% to 100%
CH7	Zoom	000←→255	Zoom

==**11CH MODE**==

CH	Name	Value	Function
CH1	DimmerAll	000←→004	Dimmer OFF
		005←→255	Dimmer all
CH2	Dimmer1	000←→255	Dimmer 1
CH3	Dimmer2	000←→255	Dimmer2

CH4	Dimmer3	000←→255	Dimmer3
CH5	Dimmer4	000←→255	Dimmer4
CH6	Dimmer5	000←→255	Dimmer5
CH7	Zoom	000←→255	Zoom
CH8	Strobe	000←→004	No strobe
		005←→255	Strobe from slow to fast
CH9	Preset Color	000←→009	No Function
		010←→019	Preset Color 1
		020←→029	Preset Color 2
		030←→039	Preset Color 3
		040←→049	Preset Color 4
		050←→059	Preset Color 5
		060←→069	Preset Color 6
		070←→079	Preset Color 7
		080←→089	Preset Color 8
		090←→099	Preset Color 9
		100←→109	Preset Color 10
		110←→119	Preset Color 11
		120←→129	Preset Color 12
		130←→139	Preset Color 13
		140←→149	Preset Color 14
		150←→159	Preset Color 15
		160←→169	Preset Color 16
		170←→179	Preset Color 17
		180←→189	Preset Color 18
		190←→199	Preset Color 19
		200←→209	Preset Color 20

		210←→219	Preset Color 21
		220←→229	Preset Color 22
		230←→239	Preset Color 23
		240←→249	Preset Color 24
		250←→255	Preset Color 25
CH10	Macro Func	000←→004	No Function
		005←→100	Skip
		101←→200	Slip
		201←→255	Audio
CH11	Speed	000←→255	Skip or Slip speed

Ⅶ TECHNICAL SPECIFICATION

·Input power: AC100~240V, 50/60Hz

·Power consumption: 400W

·Light sources: 500W COB 5 color Lamp beads

·LED lifespan: 50,000hours

·Dimmer: 0~100%, 0-15% smoothly dimmer

·Beam angle: The 15-60 degrees are adjustable

·Color temperature: 1800K-10000K

·Control mode: DMX512 Control / Manual control

·DMX channel: 7CH,11CH

·Focus: manual focus adjustable

·Light visor: optional

·IP rating: IP20

·Housing material: aluminum alloy

·Working temperature: -25~35centigrad degree

Ⅷ LUX CHART

Ⅸ APPENDIX

Problem and solution

Problem	Reason	Resolution
Device not work	No power	AC100-240V, 50/60Hz Check the power connection, and make sure device connect the mains in well condition. Check if the fuse is good.
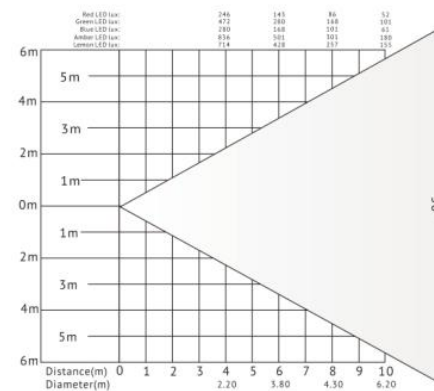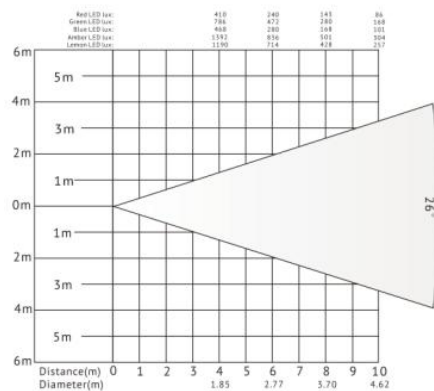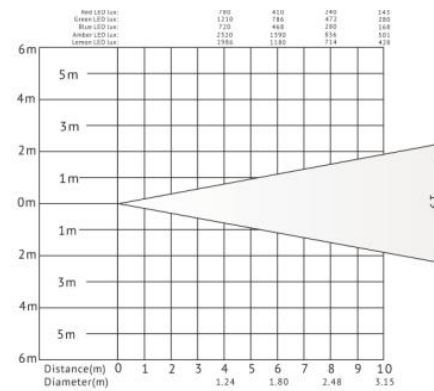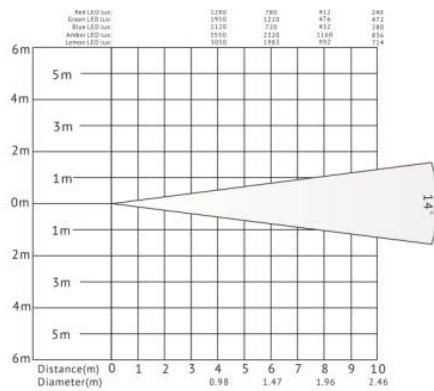
	LED bulb damaged	Replacing LED bulb
LED Bulb is off	LED drive board damaged	Replacing LED drive board
	Temperature switch damaged	Replacing temperature switch
Fans not work	Fans damaged	Replacing fans

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 manufacturer or distributor for assistance.

Innovation, Quality, Performance, Achieving Users' Value!