


# Bi-color LED Cyclorama Light

VG-LB1300L



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 Cyclorama 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 LED cyclorama light adopts plate material shell made with beautiful shape, high efficiency and energy saving, durability, it is suitable for indoor use. This product strictly according to CE standard design and production, complete with international standard DMX512 agreement, both single machine control, also can be controlled by connected with, suitable for large art performance, theatres, studio, discos and other places of use. It's special designed for the stage curtain, wall wash and other using. It's widely used for touring performance, construction, lighting, theater, discos, bars and other entertainment places.

This light meets the following criteria:

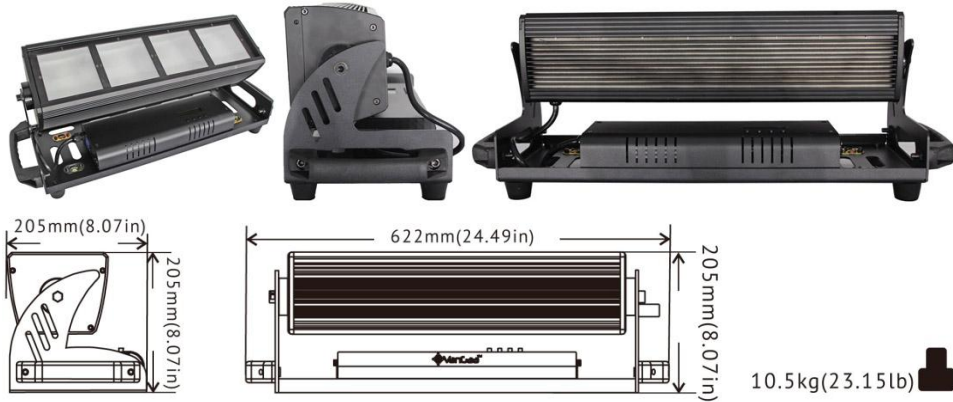
GB7000.1-2007/IEC60598-1:2003

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

**I PRODUCT MAIN FEATURES**

- 9CH DMX control channels, LCD display control panel;
- DMX512, Sound active, auto-run and master/slave four kinds control mode;
- IP20 protect rating;
- With strobe stage effect;
- Long lifespan high brightness LEDs can reach to 50,000hours;
- High-efficiency, power-saving, low heat.

## II OVERVIEW AND DIMENSIONS



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.

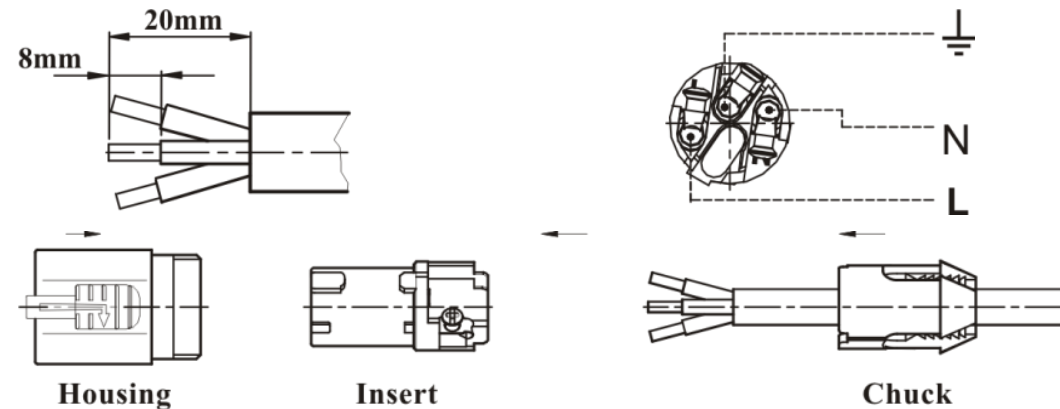
- Verify that the voltage matches the rated voltage.
- When the voltage is 110V , Do not connect more than 10 lightings in total to AC mains power in one interconnected daisy chain
- When the voltage is 220V , Do not connect more than 20 lightings in total to AC mains power in one interconnected daisy 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 40°C. Do not operate fixture at temperatures higher than this.
- The Maximum surface temperature is 50°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



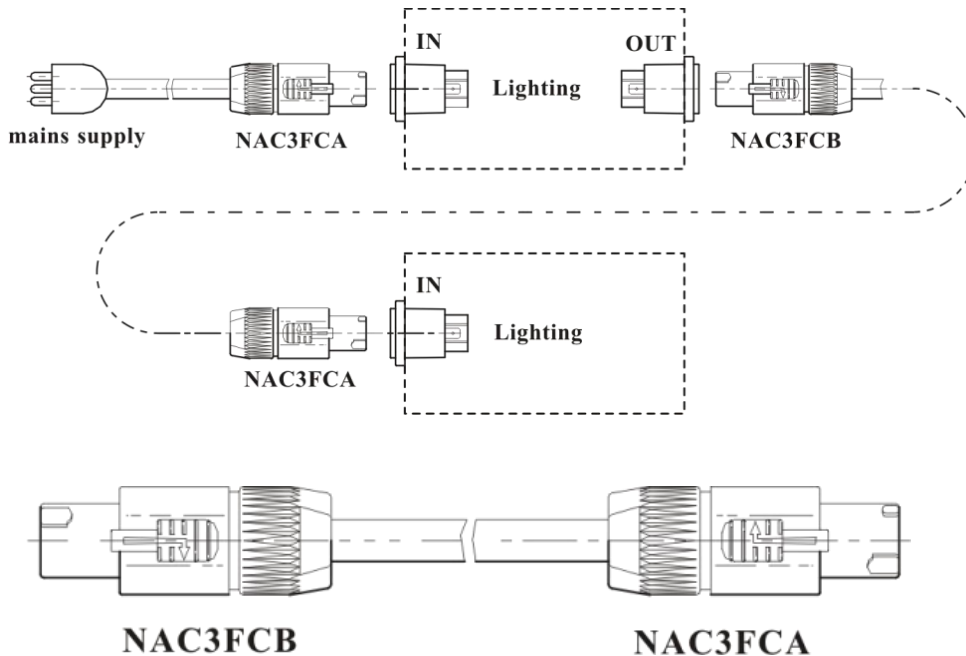
- Put bushing and chuck onto the cable.
- Prepare cable as shown above. The power cable must is a three-conductor 2.5mm<sup>2</sup> cable.

- 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 be a three-conductor 2.5mm<sup>2</sup> 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.

<i>Wire color</i>	<i>Conductor</i>	<i>Symbol</i>
Brown	Live	L
Blue	Neutral	N
Yellow/green	ground	$\perp$

**PHYSICAL INSTALLATION**

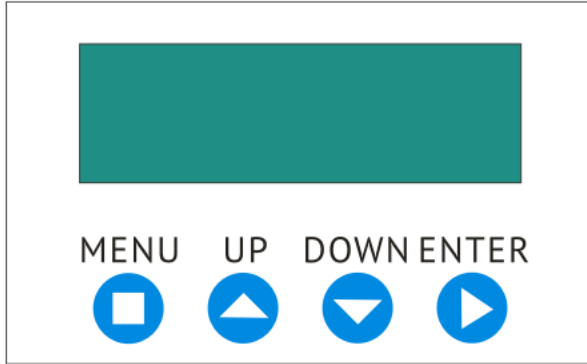
This lighting can be placed on a horizontal surface such as a stage or clamped to a truss or similar rigging structure in any orientation using a rigging clamp.

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**

**BUTTON**



- 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).
- UP** Browse the menu item forward or increase the parameter.
- DOWN** Browse the menu item backward or decrease the 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).

**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.

**MENU MAP**

LCD SHOW	Function Instruction	Operation of Buttons	Supplementary Instruction
T=xxxC	◆The temperature of LED bulb radiator in real time (Celsius)		

	◆If there is no this temperature shows, means the temperature sensor failure ◆If the value over 80, please check the wind path is normal or not		
No Signal	Couldn't receive the DMX 512 signal		
RX DMX	<b>Received the DMX 512 signal</b>		
RX Slave	Slave mode	You only need set a master light, the slave light will be identified automatically	You need pull off the DMX signal from console under master/salve mode
Address	Address setting	Press <b>UP, DOWN</b> button to set the address you need, then press ENTER to save.	
Mode	Working mode option MODE=DMX(DMX Mode)	DMX-512 Mode	
	MODE=Static scene	Static mode	
	MODE=Slip Auto	Static slip mode	
	MODE=Skip Auto	Static skip mode	
	MODE=Music	Sound active	
Preset color	LED 1 3200k	3200K	Dimmer 0-255

	LED 2 5600K	5600K	Dimmer 0-255
	LED 3 3200K	3200K	Dimmer 0-255
	LED 4 5600K	5600K	Dimmer 0-255
	Define Color	00 Macro =Disable	
		01 Macro=LED1+LE D4	
		02 Macro=LED1+LE D2	
		03 Macro=LED2+LE D4	
		04 Macro=LED1+LE D3	
		05 Macro=LED4+LE D3	
		06 Macro=LED2+LE D3	
	Skip run speed	Skip speed	Speed 0-255
	Slip run speed	Slip speed	Speed 0-255
	Flash for Scene Auto Music	Sound active	Speed 0-255
	Music Sensitivity	Sensitivity	0-255

**SETTING DMX 512 MODE**

1. Press **ENTER** when the display show the title information;
2. Press **UP/DOWN** to choose the **Mode** menu, then press **ENTER** into;
3. Press **UP/DOWN** to choose **MODE=DMX** menu, then press **ENTER** to save;

4. Press **MENU/SET** back the title mode(the second line will shows **04CH Address=001**, the setting is ok).

**SETTING POWER ON, LIGHT ON**

1. Press **ENTER** when the display show the title information;
2. Press **UP/DOWN** to choose the **Mode** menu, then press **ENTER** into;
3. Press **UP/DOWN** to choose **Preset color** menu, then press to save;
4. Press **UP/DOWN** to choose **LED1=000-255**

**LED2=000-255**

**LED3=000-255**

**LED4=000-255**

menu to set the max brightness, press **ENTER** to save;

5. Press **MENU/SET** back the title mode(the second line will shows **Master Auto**, the setting is ok).

\*The sound active mode based on the light has the sound active mode or not, this is a option function. Please contact sales manager when you need it.

**VI DMX PROTOCOL**

**9CH MODE**

CH	Name	Value	Function
CH1	General dimmer	000←→255	0-100% linear dimmer
CH2	3200K Dimmer of Lamp 1 and 2	000←→255	0-100% linear dimmer
CH3	5600K Dimmer of Lamp 1 and 2	000←→255	0-100% linear dimmer
CH4	3200K Dimmer of	000←→255	0-100% linear dimmer

	Lamp 3 and 4		
CH5	5600K Dimmer of Lamp 3 and 4	000←→255	0-100% linear dimmer
CH6	Strobe	000←→255	Strobe speed from slow to fast
CH7	Color change	000←→255	Color change, total 15 colors
CH8	Macro function	000←→004	No function
		005←→100	Skip
		101←→200	Slip
		201←→255	No function
CH9	Macro speed	000←→255	Macro speed, from slow to fast

·Display of control panel: 4 buttons LCD display

**Power Supply**

·Related voltage: AC100V-240V, 50/60Hz

·Related power: 210W

**Construction**

·Body dimension: D622\*W205\*H205mm

·Net weight: 10.5kg

·Shell color: black

·Shell material: aluminium alloy

**Working Environment**

·Working temperature: -25-40℃

·Cooling: aluminum radiator body

·Protection rating: IP20

**VII TECHNICAL SPECIFICATION**

**Light Sources**

·LED: 100pcs 3W high brightness LED Lamps, (warm white: 52; cold white: 48)

·Lifespan: 50000h

·Color: warm white and cold white

**Optics**

·Beam angle: 30degree

·Dimmer: 0-100% linear dimmer

·Strobe: 1-25 times/second

·CRI: >95Ra

**Light Output**

·Optimal projection distance: 8-30m

**Control**

·Control mode: standard DMX-512; Master/slave; Demo

·DMX channel: 9CH

**Innovation, Quality, Performance, Achieving Users' Value!**