




200W Bicolor LED Fresnel



CE

RoHS

User Manual

 Please read this user manual before using this product!

Keep it for further reference!

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installation and operation information of this LED fixture, 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 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.

Using international standard (1990) DMX single, digital control panel display.

With 2 DMX channel as dimmer.

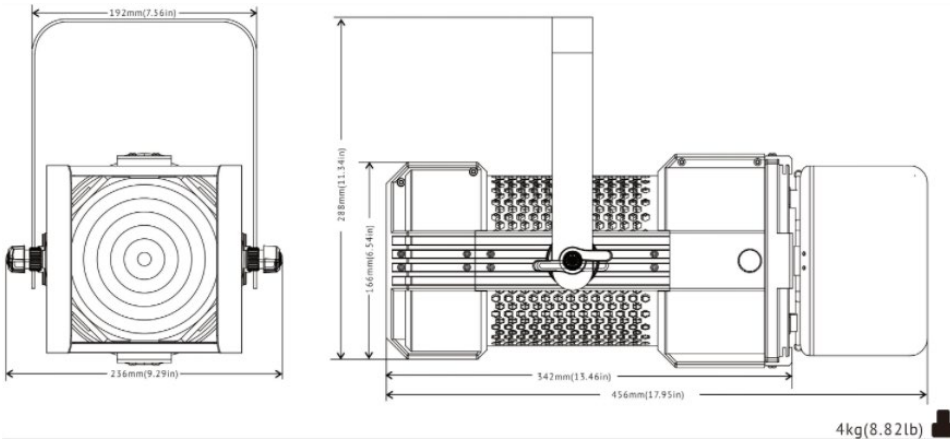
0~100%, smooth dimmer.

CRI more than 91, 3200~5600K color temperature optional, light effective distance is 3~8 meters.

Passive cooling, with large heatsink for completely silent operation.

Thank you for using our product! Please read this manual carefully and. For technical reference in future, please keep this user manual well. This user manual contains all

II OVERVIEW AND DIMENSIONS



III SAFETY INFORMATION

※ Important

Every person involved with the installation, operation and maintenance of this device must be qualified and follow the instructions of this manual. Manufacturer will not with responsibility for problems caused by mishandling and wrong installation.

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 during move or installation.

The minimum distance between light-output and the illuminated surface must be more than 0.5 meters. Keep all combustibile 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.

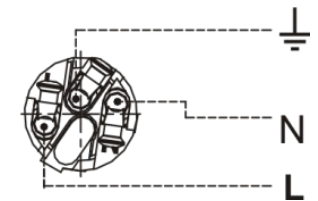
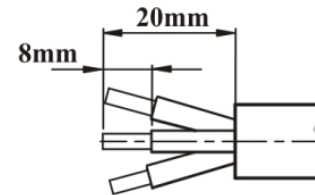
The Maximum surface temperature is 50°C

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

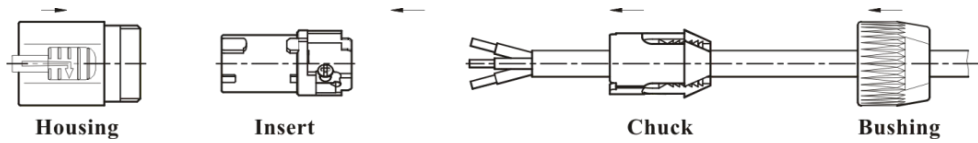
Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

IV POWER CONNECTION

INSTALLING A NEUTRIK CONNECTOR ON A POWER CABLE



FOS 200W Bicolor LED Fresnel



Put bushing and chuck onto the cable.

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

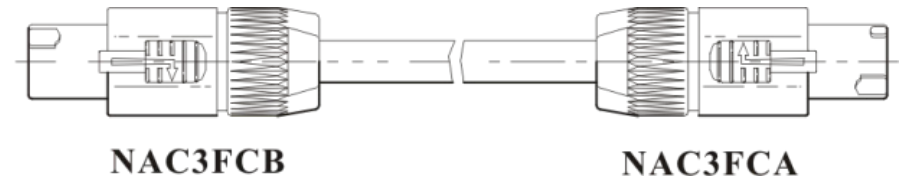
Insert the wire into the terminals and fasten the clamping device by a flat screwdriver.

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.

FOS 200W Bicolor LED Fresnel



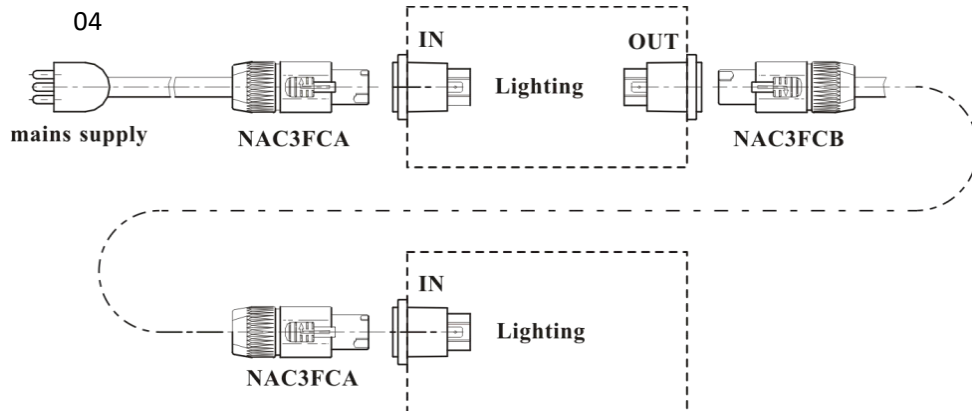
The power cable must be a three-conductor 2.5mm² cable.

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	⊥

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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.

MENU MAP

V CONTROL PANNEL

KNOBS CONTROL

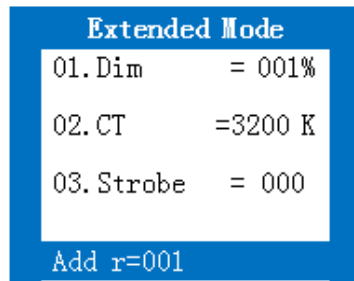
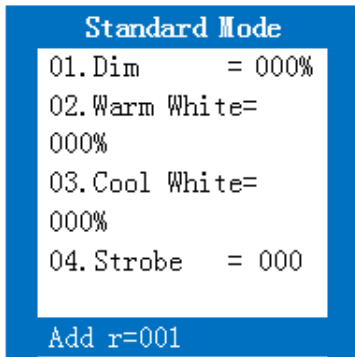


Mode Manual

Rotating the "Mode" knob to setting the main menu, press to enter.

Rotating the "Manual" knob to setting the sub menu, press to esc.

After the setting, you can rotate the Manual knob for CCT and linear dimmer.



Main menu	
01.Address	= 001 ~ 512
02.Mode	= Meeting DMX Std DMX Ext
03.Language	= English Chinese
04.Master	= OFF ON
05.DimCurve	= Square Inv-Squ Linear S-curve
06.Dim Freq	= 1.2KHz 6.0KHz 12KHz 24KHz
07.Dim Speed	= OFF 1 2 3 4
08.Inv Display	= OFF ON
09.DelayOffDisp	= OFF ON
10.V*,**	T=***°C

VI DMX PROTOCOL

1. DMX512 STD CHANNEL MODE (2-WAY LED)

DMX CHANNEL

CH	Name	Value	Function
CH1	Dimmer	000←→255	Dimmer from 0% to 100%
CH2	Warm white	000←→255	Warm white
CH3	Cool white	000←→255	Cool white

DMX CHANNEL STROBE

CH	Name	Value	Function
CH1	Dimmer	000←→255	Dimmer from 0% to 100%
CH2	Strobe	000←→009 010←→255	No strobe Strobe from slow to fast
CH3	Warm white	000←→255	Warm white
CH4	Cool white	000←→255	Cool white

2. DMX512 EXT CHANNEL MODE (2-WAY LED)

DMX CHANNEL

CH	Name	Value	Function
CH1	Dimmer	000←→255	Dimmer from 0% to 100%
CH2	Color temperature	000←→009 010←→255	No function CT from 3200K to 5600K

DMX CHANNEL STROBE

CH	Name	Value	Function
CH1	Dimmer	000←→255	Dimmer from 0% to 100%
CH2	Strobe	000←→009 010←→255	No strobe Strobe from slow to fast
CH3	Color temperature	000←→009	No function

		010←→255	CT from 3200K to 5600K
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3. MEETING CHANNEL MODE (NEED CONTROL BY SPECIAL CONTROL BOX)

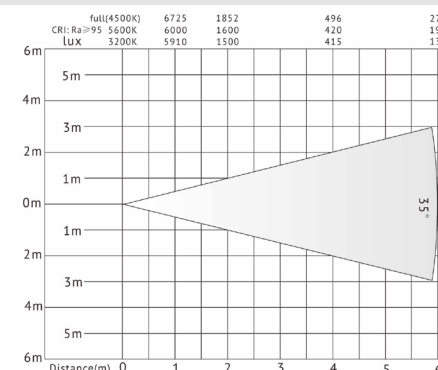
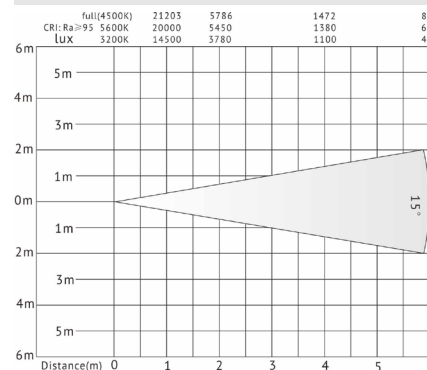
MEETING CHANNEL

CH	Name	Value	Function
CH1	Dimmer	000←→255	Dimmer from 0% to 100%
CH2	Color temperature	000←→255	3200K ~ 5600K Color temperature= 8Bit * 256 + 16Bit
CH3	Color temperature	000←→255	3200K ~ 5600K Color temperature= 8Bit * 256 + 16Bit

MEETING CHANNEL STROBE

CH	Name	Value	Function
CH1	Dimmer	000←→255	Dimmer from 0% to 100%
CH2	Color temperature	000←→255	3200K ~ 5600K Color temperature= 8Bit * 256 + 16Bit
CH3	Color temperature	000←→255	3200K ~ 5600K Color temperature= 8Bit * 256 + 16Bit

VII LUX CHART



VIII COMMON INSTRUCTION

The light uses international 3 pins DMX signal cannon for DMX in and DMX out;

The light uses blue LCD display to show the parameter. If there is no DMX in, the display will show the information which you can check from the menu map.

In fact, the light has 2 DMX channels modes, please refer the DMX channel chart.

This light uses full aluminum shell for the heat dissipation, and electronic temperature detection to ensure the proper operation of the circuit at any time.

This light is only for indoor use, when you install it by hanging, please use the safety cable to ensure the safety.

If you have any questions, please contact our support department.

IX TECHNICAL SPECIFICATION

Input voltage: AC100~240V, 50/60Hz.

Power consumption: 120W

Light output power: 100W for every color

Light source: 200W high power bicolor led lamp

LED life: 50,000 hours

Color temperature: 3200 K-5600K.

CRI: Ra (CRI) ≥ 95, R9 ≥ 90, TLCI ≥ 95

Optics: 15–35-degree linear manual zoom

Dimming: 0-100% linear dimming

Channel: 2CH, 3CH, 4CH based on different mode

Control mode: wired DMX /manual control.

Control panel: TFT color display screen & two dimming knobs.

Central illumination: 5 meters 4760LUX (5600K, 15 °)

Protection class: IP20

Working temperature: -25°C~ +40°C

Shell material: aluminum alloy

X APPENDIX

Problem and solution

Problem	Reason	Resolution
Device does 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 is off	LED bulb damaged	Replacing LED module
	LED drive board damaged	Replacing LED drive board
	Temperature switches damaged	Replacing temperature switch

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 our support department.