



PLANO 300 TW/CW

**300W
LED Fresnel spot**

Manual



Important note: to use lamps correctly, please read all the terms of this instruction. Please keep the instruction book in case you need it.

1.SAFETY INSTRUCTIONS

CAUTION

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

IMPORTANT

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device.

Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person. The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

2. the crates

Thank you for using this company's products, please read this instruction manual carefully and keep it for reference. This specification contains important information about the installation and use of large power LED lights. Please follow these instructions carefully when installing and using. The FRESNEL spot light is made of a high strength of aluminum alloy casing with nice outlook.

The fixture is designed and manufactured strictly following CE&RoHS standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

The FRESNEL spot light adopts 1PCS 300W COB LED (available for CW) which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:

① FRESNEL spot light	1PC
② DMX cable	1PC
③ POWER cable	1PC
④ POWER OUT	1PC
⑤ User Manual	1PC

3.Product general performance:

Feature:

- *1*300W COB LED (Cool white 5600K/Warm white 3000K)
- *50,000 hours life time and low power consumption
- *Color Rendering Index(CRI): Ra≥95
- *High efficiency fresnel lens
- *Soft and even field of light

- *Manual zoom system from 15°-50°
- *Aluminum alloy housing
- *LCD display, visible bulb temperature
- *Barn door included
- *Ultra smooth 16-bit dimming
- *25T/sec high speed shutter/strobe effect with variable speed
- *1/3 DMX channels
- *DMX512, master-slave, or auto operation
- *POWRECON connector IN/OUT, 3-Pin XLR connectors IN/OUT
- *Low noise fan integrated with copper liquid cooling system
- * -10~40°C Max ambient temperature
- *IP20 protection rating

Specifications:

- *Input Voltage: AC100-240V 50/60Hz
- *Max. Power: 320W
- *Dimensions: 350(D)*210(W)*230(H)mm
- *Packing Size: 480(D)*350(W)*300(H)mm
- *Net Weight: 8kg
- *Gross Weight: 10kg

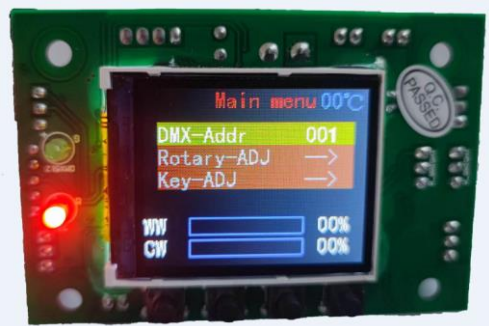
4. DMX-512 CONTROL CONNECTIONS

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

5. MENU OPERATIONS (operating method)

5.1 Display and key operation part:



Operational instructions: Under the main menu, press the up and down keys to select different function menus, select different function menus, then press the confirmation key to enter the corresponding pull-down menu functions, and press the increase or decrease key in the pull-down menu to modify its parameter values. Press the confirmation key to return to the main menu.

5.2 Function

NO	Display		Explain
1	DMX-Addr 001		Under the current main menu, press the confirmation key to enter the adjustment state, press the upper and lower keys to adjust the address code, then press the confirmation key to save and exit the adjustment state.
2	Rotary -ADJ	0—255	Under the current main menu, press the confirmation key to enter the drop-down menu, and adjust the dimming knob to adjust the brightness of the light. Press the menu key to return to the upper menu.
3	Key-A DJ	0—255	Under the current main menu, press the confirmation key to enter the drop-down menu, and press the up and down keys to adjust the brightness of the lights. Press the menu key to return to the upper menu.
4	Screen Rotate	ON/OFF	Press the confirmation key under the current main menu, press the confirmation key to enter the drop-down menu, press the up and down keys to adjust the brightness of the light. Press the menu key to return to the upper menu. Enter the selection state, press the upper and lower keys to select, determine the key to save and exit, press the menu key

			to return to the upper menu.
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5.3 kground display window description

NO	Display	
1	WW-Select	0–255
2	RT-Select	0–255
3	Fan temp	20--70
4	Lowpower temp	35--90
5	Protect temp	ON/OFF
6	CW-GLO	20–255
7	WW-GLO	20–255
8	Language	EN
9	Screen saver	ON/OFF

5.4 DMX512 Channel Description

NO	Function	Description
Channel 1	Dimming	Total dimming, linear dimming, from dark to light
Channel 2	Strobe	Total strobe, from slow to fast
Channel 3	Cool white/Warm white dimming	Cool white/Warm white dimming, linear dimming, from dark to bright

5.5 RDM Description:

NO	Function	Description
1	Feedback (Address Code)	Free to change
2	Feedback (Equipment Temperature)	Unmodifiable

After power-on, turn on the console power supply. When the signal of DMX512 console is not received, the Dmx indicator does not turn on. When the signal of DMX512 console is received, the Dmx indicator lights up, which is controlled by the console signal.

In the address code state, if there is no console after multi-computer connection, the master-slave online function can be realized. One of the devices can be operated. The other devices in the address state run synchronously with the host. When the master-slave online, the DMX512 signal must be cut off.

6.OPERATION & SPECIFICATIONS

- The FRESNEL spot light is an LED fresnel light for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

7.INSTALLATIONS

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

From a ceiling, or set on a flat level surface . Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

Please ensure that the led fresnel spotlight is hung using the appropriate "C" clamp or half cheeseboro. A safety chain or cable should also be used as a secondary point of holding the fixture in case the clamp comes loose. Never hang the fixture without a safety chain or cable. There is an eye-bolt on the back of the fixture to which the safety chain or cable can threaded through and then hung from the secondary point. Make sure the Gel frame (Gel holder) is clipped into position correctly and cannot come loose.

If you are not qualified or have any doubts about hanging the led fresnel spotlight then do NOT hang it.

Do not clamp the safety cable to the U bracket or clamp. That is not a secondary safety point.

A secondary safety point is any point that will adequately hold the led fresnel spotlight if the "C" clamp or half cheesboro fails.

Then the safety cable would be the backup and stop the fixture from falling to the ground. So do NOT fix the safety cable to the same place that the "C"clamp is attached

8.Cleaning and maintenance

Now ignoring maintenance and cleaning is very good way of creating problems "down the road"

and many companies and installations do just that. However the net result is, no matter what the fixture, premature failure!

Changing the oil in a car, most people do on a regular basis.

So with the fixtures, regular maintenance it an excellent practice, if you want the fixtures to last.

So what is the maintenance for the fixture?

Clean the fans!

Turn off the led fresnel spotlight.

Using a small vacuum cleaner, suck the dust and "fur balls" out.

Do not use a can of co². That will just blast the dust and dirt everywhere!

The fans keep the LED cool and keep the electronics cool too.

Without the fan working efficiently and dust free, the fixtures will fail and that will be a lot more costly than having someone vacuum the fixtures on a regular basis.

How often should the fans be cleaned? It depends on where the fixtures are; in a very dusty atmosphere once a week. So

check the fans on a regular basis, they may not need cleaned every week but a quick “visual inspection” should be done.

The front lens should be cleaned so the light output is maintained.

The shutter blades sometimes require cleaning as well.

With the led fresnel spotlight turned off, use only a moist lint-free cloth. Never use alcohol or solvents to clean the fixture.

Never spray anything onto the fixture at the front or in any place on the fixture.