

**FEATURES AND SPECIFICATIONS**

LEDs: 54 Three Watt LEDs (36 White, 18 Amber)  
 Beam angle: 25 °  
 Control system: DMX-512 + Stand Alone  
 DMX channels: 4  
 DMX connectors: 3 pin XLR  
 Voltage: 100 - 240 VAC 50/60Hz  
 Max power consumption: 185 Watts  
 Size: 11 1/4"W x 11 1/2"H x 13"D  
 Body material: Cast Aluminum  
 Body color: Black  
 Weight: 17.2 lbs

**DESCRIPTION**

The FXLD354WAO is a PAR Style white/amber LED lighting fixture. It is suitable for stage, disco, night club, and other artistic applications. It has several stand alone control modes and can operate via a DMX-512 external signal.

A double yoke enables the fixture to be operated in several positions.

**INSTALLATION**

**LOCATION**



The FXLD354WAO is rated IP65 and can be use outdoors.



Locate the unit in a well ventilated area away from heat. Holes are provided on the yokes to install a lighting bar pipe clamp. Use a safety cable.

**POWER CONNECTIONS**

The FXLD354WAO has a line cord for connection to a 120 VAC, 15 Amp, 60Hz, grounded service. A pass thru power cable is also included.

You are limited to 6 fixtures when chaining power using the pass thru cables.



The safety ground pin on the power cord must be used.

**DMX CONNECTIONS**

A system using DMX control should be connected as a chain of devices. In other words the control signal cable should proceed from the controller to the first receiving device and then to others in a continuous "daisy chain" fashion.

The fixture has a DMX IN and a DMX OUT connector to be used to connect the chain. The cable should NOT be split into a star arrangement with a cable running from the controller directly to each fixture.

**DMX CONNECTOR PIN ASSIGNMENTS**

There are two different connectors which can be used for DMX control. They are both XLR type connectors. Some units use 3 pin connectors. Others use 5 pin connectors. The FXLD354WAO receives a DMX signal on the 3 pin MALE connector on one side of the unit. The 3 pin FEMALE connector is used to connect the next DMX device on the control chain. If your console uses a 5 pin connector you can make up an adapter cable to accommodate this. The table below shows the pin assignments for BOTH the 3 pin and 5 pin connectors.

IN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +
4	NOT USED
5	NOT USED

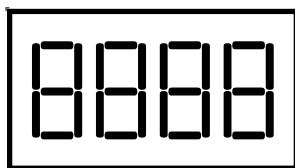
**DMX TERMINATION**

A DMX chain should be terminated at the last receiving device on the chain. This is done by installing a commonly available 1/4 Watt, 120 Ohm resistor across the DATA - and DATA + wires at the last device. If you have only a few fixtures very close together and a very short run to the controller then you may be able to operate without the terminator.

**OPERATION**

A control panel on rear of the unit is used to set the operating options. It consists of an LED display and four buttons (MENU, ENTER, UP, and DOWN).

**CONTROL PANEL**



MENU ENTER UP DOWN

Push MENU to access the operating options. Then use UP and DOWN to scroll through the available choices. When you reach the option you want to set or change - push ENTER. Now you can view the current setting for the option and/or change it. Push MENU to save

your changes and activate the option. See the "MENU NAVIGATION" diagram for additional details.

There are 9 operation modes: DMX, Amber Level, White #1 Level, White #2 Level, Flash, Fade, Auto Sequence, Sound Color, and Sound Flash.

**DMX OPERATION**

Use the Addr menu to set the starting address of the unit. You can set the starting address of the unit with the UP and DOWN buttons.

The fixture uses four channels allocated as follows:

- CHANNEL 1: Master Dimmer + Strobe Effects
- CHANNEL 2: Amber Level
- CHANNEL 3: White 1 Level
- CHANNEL 4: White 2 Level

Additional detail on DMX channel operation is given in the table "DMX Values and Functions".

**MANUAL OPERATION**

For manual operation the, amber and two white LED group intensity levels may be independently controlled. Use the Ab - -, 3L - -, and 3L - -, menus to set the levels. The range is from 00 (OFF) to 12 (Full On).

**FLASH OPERATION**

This option strobes the colors which have been set manually. Use the FLAS menu to select the strobe speed. The range is from 00 to 12. 12 is fastest.

**FADE OPERATION**

This option fades smoothly through the colors which have been set manually. Use the FAdE menu to set the speed and activate the option. The range is from 00 to 12. 12 is fastest.

**AUTO SEQUENCE (COLOR CHANGE)**

This option sequences through all the color combinations at max. brightness. Use the ASC- menu to set the speed. The range is from 00 to 12. 12 is fastest.

**SOUND OPERATION**

Sound operation has a Color and a Flash sub-mode.

Use the SOUA menu to invoke the Sound Color option. The unit will sequence through a series of colors in sync with music base notes.

Use the SOUF menu to invoke the Sound Flash option. The unit will flash through a series of colors in sync with music base notes.

**MAINTENANCE AND REPAIR**

**DISCONNECT ALL POWER AND CONTROL CABLES BEFORE HANDLING THE UNIT**

**TROUBLESHOOTING**

Check that you have power applied to the unit.

Check the DMX control cable.

Check the address settings of the unit and the controller.

**CLEANING**

Do not use harsh chemicals or solvents when cleaning the fixture. A mild detergent can be used sparingly if needed. Ensure that the unit is completely dry before re-use.

**REPAIR**

The FXLD354WAO does not contain parts which are serviceable by the user.

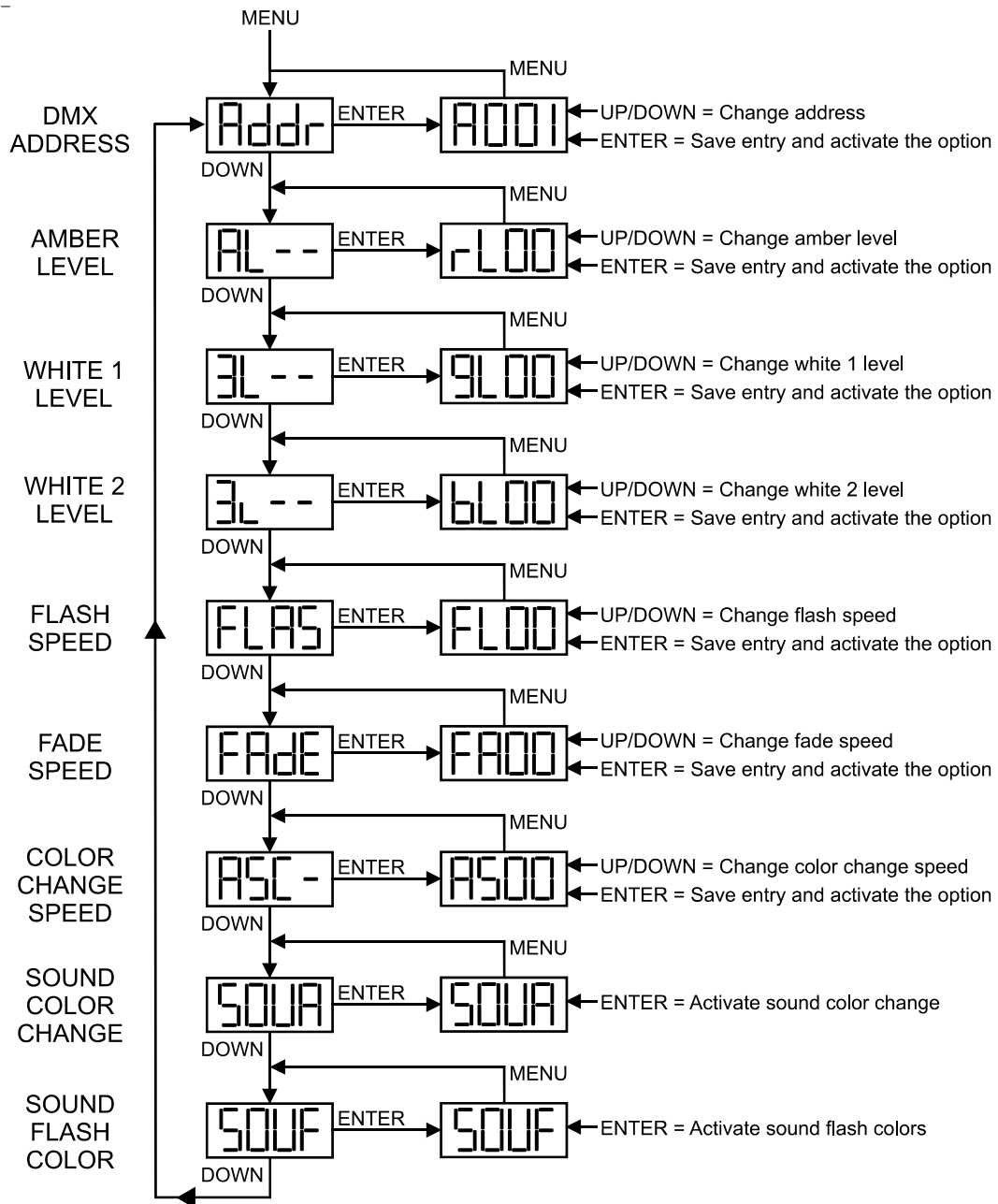
Internal service on the unit by other than Lightronics authorized agents will void the warranty.

If service is required, contact the dealer from whom you purchased the item, or contact the Lightronics, Service Department, 509 Central Drive, Virginia Beach, VA 23454. Tel: 757 486 3588.

**PHOTOMETRIC CHARACTERISTICS**

Distance (ft)	Illuminance (Lux)	Beam Diam. (ft)
10	1460	4
20	376	8
30	172	10

MENU NAVIGATION



## DMX VALUES AND FUNCTIONS

<b>DMX CHANNEL</b>	<b>DMX VALUE</b>	<b>FUNCTION</b>
1	0 - 127 128 - 249 250 - 255	Master Dimmer for CH 2 - 4 Strobe Master for CH 2 - 4 Enables full range for CH2 - 4
2	0 - 255	Amber Level
3	0 - 255	White Group #1 Level
4	0 - 255	White Group #2 Level

The banner features the Lightronics logo on both sides, which consists of the word "LIGHTRONICS" in a bold, sans-serif font with a stylized "O" containing a circular element. In the center, the word "WARRANTY" is written in a large, bold, white, sans-serif font on a dark grey rectangular background.

LIGHTRONICS **WARRANTY** LIGHTRONICS

This products is warranted for a period of TWO YEARS from the date of purchase against defects in materials and workmanship.

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This warranty is subject to the following restrictions and conditions:

- A) If service is required, you may be asked to provide proof of purchase from an authorized Lightronics dealer.
- B) This warranty is valid only for the original purchaser of the unit.
- C) This warranty does not apply to damage resulting from abuse, misuse, accidents, shipping, and repairs or modifications by anyone other than an authorized Lightronics service representative.
- D) This warranty is void if the serial number is removed, altered or defaced.
- E) This warranty does not cover loss or damage, direct or indirect arising from the use or inability to use this product.
- F) Lightronics reserves the right to make any changes, modifications, or updates as deemed appropriate by Lightronics to products returned for service. Such changes may be made without prior notification to the user and without incurring any responsibility or liability for modifications or changes to equipment previously supplied. Lightronics is not responsible for supplying new equipment in accordance with any earlier specifications.
- G) This warranty is the only warranty either expressed, implied, or statutory, upon which the equipment is purchased. No representatives, dealers or any of their agents are authorized to make any warranties, guarantees, or representations other than expressly stated herein.
- H) This warranty does not cover the cost of shipping products to or from Lightronics for service.
- I) Lightronics Inc. reserves the right to make changes as deemed necessary to this warranty without prior notification.