

**FEATURES AND SPECIFICATIONS**

LEDS: 12, 25W each (RGBWA, 5in1)  
 Beam angle: 60°  
 Control system: DMX512 + Stand Alone Modes  
 DMX channels: 5/9  
 DMX connectors: 3 pin XLR I/O  
 Refresh Rate: >3000 Hz)  
 Voltage: 100 - 240 VAC 50/60Hz  
 Max power consumption: 330 Watts  
 Cooling: Internal Fan  
 Body material: Sheet steel  
 Body color: Black  
 Size: 39.4"L x 5"W x 3.4"H

**DESCRIPTION**

The FXLD2512B516 is a RGBWA 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 DMX512 external signal.

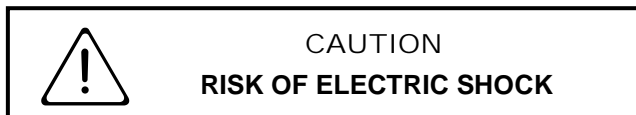
**INSTALLATION**

**LOCATION**

The FXLD2512B516 is rated IP20 and is intended for INDOOR USE ONLY.

Locate the unit in a well ventilated area away from moisture and heat. Keep the vent holes clear. Holes are provided on the brackets to install a lighting bar pipe clamp. Use a safety cable when hanging the fixture.

**POWER CONNECTIONS**



The FXLD2512B516 has a blue turn and lock connector for power input. A compatible power cable is provided for connection to a 120 VAC, 15 Amp, 60Hz, grounded service. Push the blue connector on the cable straight into the blue connector on the unit and twist approx. 1/8 turn clockwise to latch it. The white turn and lock connector on the unit is used to pass power on to another FXLD2512B516 unit. A mating white connector is also provided.

Caution is advised since the line cord is rated for approx. 7 Amps maximum.



THE SAFETY GROUND TERMINAL ON THE POWER CABLE MUST BE USED.

**DMX CONNECTIONS**

A system using DMX control must 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 control cable should NOT be split into a multiple run star arrangement with a cable running from the controller directly to each receiving device pack.

**DMX CONNECTOR PIN ASSIGNMENTS**

There are two different connectors which can be used for DMX control. They are both XLR type connectors.

This unit uses 3 pin XLR type connectors. The FXLD2512B516 receives a DMX signal on the 3 pin MALE connector on one side of the unit.

**3 Pin Pinout**

PIN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +

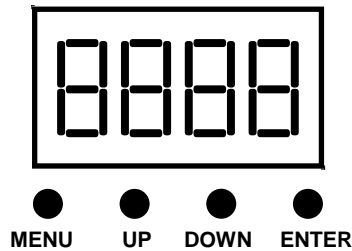
**DMX TERMINATION**

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

### CONTROL PANEL



Push MENU to access the operating options. Press UP or DOWN to cycle through options. When you reach the option you want to set or change use the ENTER button to select the option to change. Then use the UP and DOWN buttons to modify the values. Push ENTER to save your changes and deactivate the option. See the "MENU NAVIGATION" diagram for additional details.

There are 9 operation modes: DMX 5 channel, DMX 9 channel, Color Fade, Color Change, Color Select, Manual Level (5 selections), Demo, Sound, delo.

## DMX OPERATION

For DMX operation the FXLD2512B516 fixture can be configured as a 5 channel or 9 channel unit.

Use the **dXXX** (5 ch) or **AXXX** (9 ch) menu to set the starting address of the unit. You can select the starting address of the unit with the UP and DOWN buttons.

Detailed information on DMX channel operation is given in the tables DMX VALUES AND FUNCTIONS.

## MANUAL OPERATION

### Color Select (CSXX)

For additional manual operations you can use the Color Select menu (**CSXX**) to select a color and level.

### Color Change (CCXX)

The color change mode cycles through a variety of colors at a user defined speed. Use the **CCXX** menu to set the rate of speed at which the colors change. The range is from 01 to 99. 99 is fastest and 01 is slowest.

### COLOR FADE (CFXX)

The Color Fade mode cycles smoothly through a sequence of colors. Use the **CFXX** menu to set the speed and activate the option. The range is from 1 to 99. 99 is fastest.

### R, G, B, W, A MANUAL LEVEL CONTROL

You can operate the individual color levels manually using the **r.000**, **g.000**, **b.000**, **E.000**, and **Y.000** menus. Use the UP and DOWN buttons to change the level, Push ENTER when done. The range is 000 - 255 (255 is maximum).

### DEMO MODE (dENo)

This option is currently not operable with this unit.

### SOUND MODE (Soun)

The unit reacts to sounds by changing colors randomly. There are no other settings within this mode.

### DELAY MODE (dELO)

Option not supported at this time.

**MAINTENANCE AND REPAIR**

**CAUTION DO NOT OPEN UNIT**  
**RISK OF ELECTRIC SHOCK**  
**RISK OF FIRE**

**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**

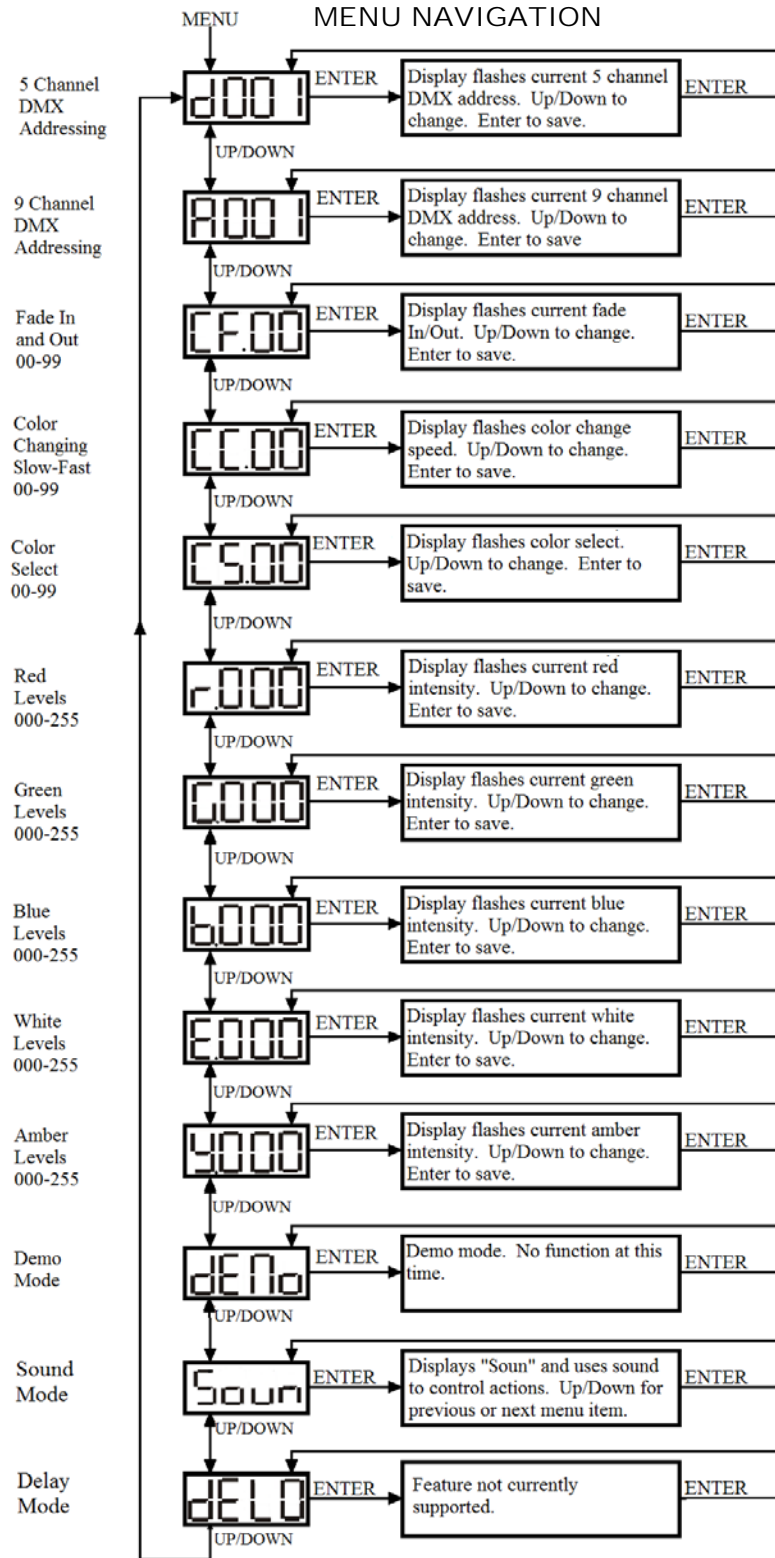
Do not use harsh chemicals or solvents when cleaning the fixture. A mild detergent can be used sparingly if needed. Ensure that the unit is completely dry before re-use.

**REPAIR**

The fixture contains a 2 Amp 250VAC, fast acting, 5mm x 20mm externally accessible fuse. Replace the fuse **ONLY** with the same size and type.

The FXLD2512B516 does not contain any other user serviceable parts. 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.



## DMX VALUES AND FUNCTIONS

**5 CHANNEL MODE (MODE dXXX)**

CHANNEL NO.	FUNCTION
1	0 - 255 Red Level
2	0 - 255 Green Level
3	0 - 255 Blue Level
4	0 - 255 White Level
5	0 - 255 Amber Level

**9 CHANNEL MODE (MODE AXXX)**

CHANNEL NO.	FUNCTION
1	Master Dimmer
2	Strobe Control
3	0 - 255 Red Level
4	0 - 255 Green Level
5	0 - 255 Blue Level
6	0 - 255 White Level
7	0 - 255 Amber Level
8	0 - 32 Red
	33 - 88 Red/Green
	66 - 130 Green/Blue
	97 - 185 Blue/Purple
	130 - 255 Purple/White
9	0 - 9 No Function
	10 - 63 G + R Auto
	64 - 127 B + R Auto
	128 - 191 A + W Auto
	192 - 239 B + G Auto
	240 - 255 Audio Strobe

A banner with a dark background and white text. The word "LIGHTRONICS" is written in a stylized font on both the left and right sides. In the center, the word "WARRANTY" is written in a larger, bold, sans-serif font.

LIGHTRONICS **WARRANTY** LIGHTRONICS

This product 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.