

## FEATURES AND SPECIFICATIONS

LEDs: 18, 12W each (RGBWA, 5 in 1)  
 White LED Color Temperature: 8000-8500K  
 Beam angle: 30 °  
 Control system: DMX-512 + Stand Alone Modes  
 DMX channels: 5/9  
 DMX connectors: 3 pin XLR and 5 pin XLR  
 Refresh Rate: >3000 Hz)  
 Voltage: 100 - 240 VAC 50/60Hz  
 Max power consumption: 216 Watts  
 Cooling: Internal Fan  
 Body material: Die Cast Aluminum  
 Body color: Black (White Optional)  
 Size: 13.3"L x 11.81"W x 4.56"H (With Yoke)  
 Weight: 16.5 lbs. (7.5 kg)

## DESCRIPTION

The FXLD1218FRP5I 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 DMX-512 external signal.

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

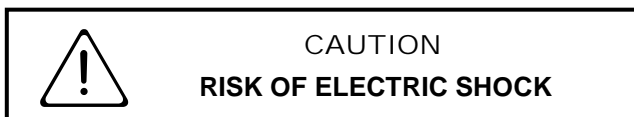
## INSTALLATION

### LOCATION

The FXLD1218FRP5I 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 yokes to install a lighting bar pipe clamp. Use a safety cable when hanging the fixture.

### POWER CONNECTIONS



The FXLD1218FRP5I 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 FXLD1218FRP5I 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 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 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 generally used for DMX control. They are both XLR type connectors. Some units use 3 pin connectors. Others use 5 pin. The FXLD1218FRP5I has both. DMX can be received on either the 3 pin or 5 pin MALE connector on the back of the unit. The 3 and 5 pin FEMALE connectors are used to connect to the next DMX device on the control chain.

The table below shows the pin assignments for BOTH the 3 pin and 5 pin connectors.

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

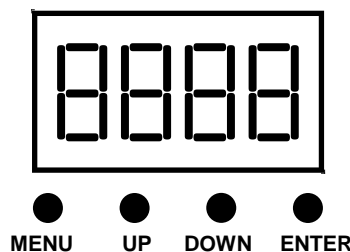
**DMX TERMINATION**

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 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. When you reach the option you want to set or change - use UP or DOWN to set a value. Push ENTER to save your changes and activate the option. See the "MENU NAVIGATION" diagram for additional details.

There are 7 operation modes: DMX 5 channel, DMX 9 channel, Color Fade, Color Change, Color Select, Manual Level (5 selections), and Demo.

**DMX OPERATION**

For DMX operation the FXLD1218FRP5I fixture can be configured as a 5 channel, or 9 channel unit.

Use the **dxxx** (5 ch) or **A. xxx** (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 (CS01)**

For additional manual operations you can use the Color Select menu (CS01) to select a color and level.

**Color Change (CC01)**

The color change mode cycles through a variety of colors at a user defined speed. Use the CC01 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 the slowest.

**COLOR FADE (CF01)**

The Color Fade mode cycles smoothly through a sequence of colors. Use the CS01 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 r000, g000, b000, E000, and Y000 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.

## 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

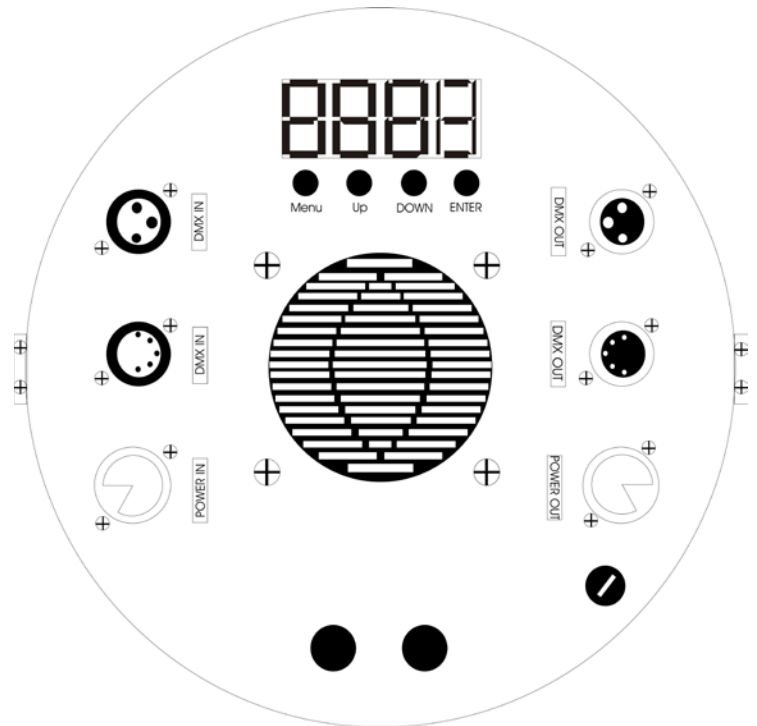
Do not use harsh chemicals or solvents when cleaning the fixture. A mild detergent can be used sparingly if needed. Ensure that the unit is completely dry before re-use.

## REPAIR

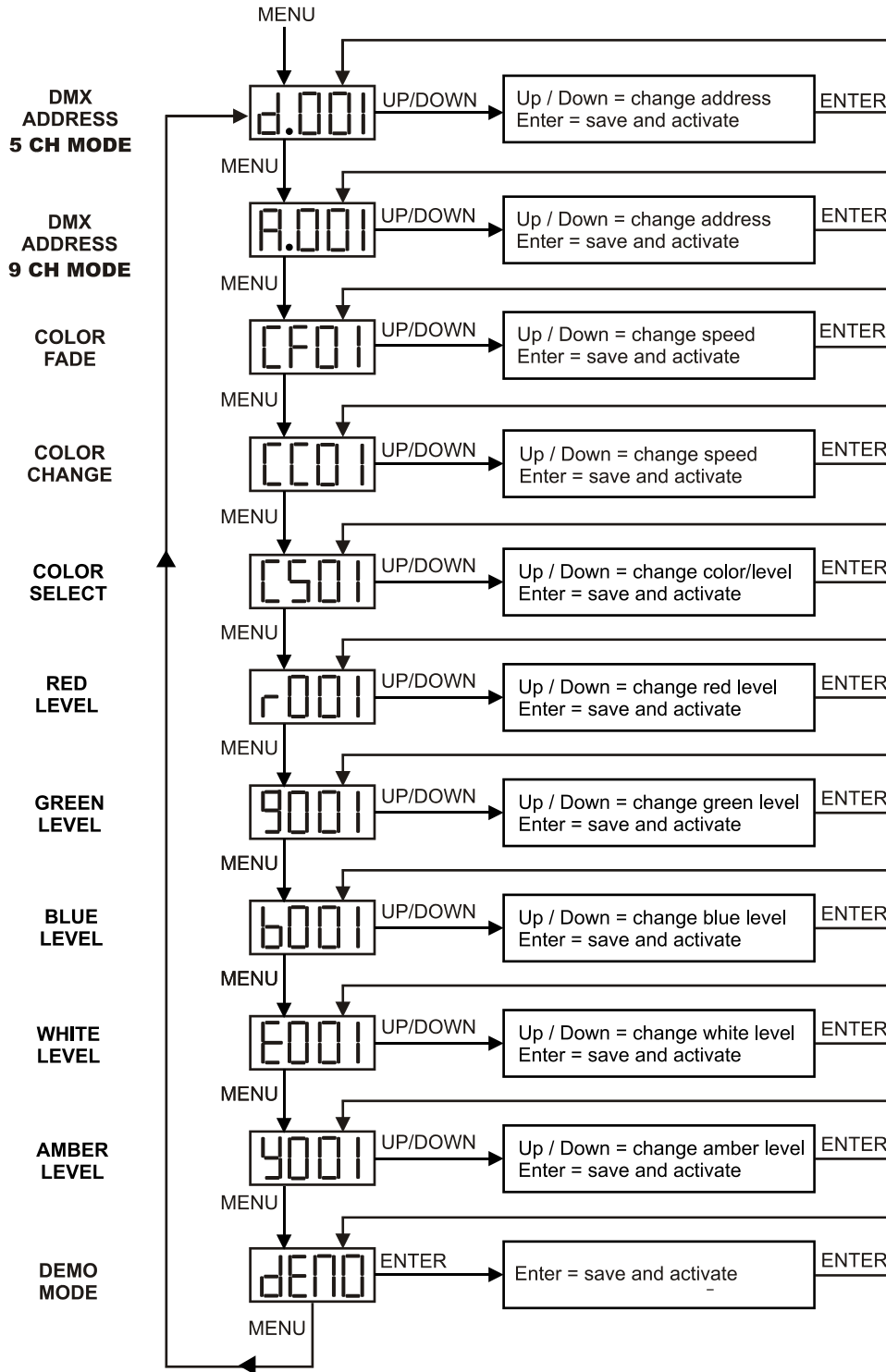
The fixture contains a 2 Amp 250VAC, fast acting, 5mm x 20mm externally accessible fuse. Replace the fuse ONLY with the same size and type.

The FXLD1218FRP5I 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.



MENU NAVIGATION



## 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 A.XXX)**

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 - 65 Red/Green
	66 - 96 Green/Blue
	97 - 129 Blue/White
	130 - 160 White/Blackout
	161 - 191 Blackout/Amber
	192 - 224 Amber/Red
	225 - 255 Red/White
9	0 - 9 No Function
	10 - 63 B + R Auto
	64 - 127 R + G Auto
	128 - 191 G + B Auto
	192 - 239 G+R+A+B+W Auto
	240 - 255 Random Colors

The banner features the Lightronics logo on both sides, which consists of the word "LIGHTRONICS" in a 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 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.