

## FEATURES AND SPECIFICATIONS

LEDs: 7, 12W each (RGBWA, 5in1)  
 White LED Color Temperature: 6500K  
 Beam angle: 25° (15° optional)  
 Control system: DMX512 + Stand Alone Modes  
 DMX channels: 5/9  
 DMX connector: 3 pin XLR I/O  
 Refresh Rate: >3000 Hz  
 Voltage: 100 - 240 VAC 50/60Hz  
 Max power consumption: 84 Watts plus  
   Auto-Switching Power supply  
 Cooling: Intelligent Fan  
 Body material: Die Cast Aluminum  
 Body color: Black  
 Size: 9.25"L x 4.65"W x 11.42"H (with Yoke)  
 Weight: 8.82 lbs. (4kg)

## DESCRIPTION

The FXLD127FRP512 is a RGBWA LED lighting fixture. It is suitable for stage, houses of worship, entertainment venues, and other artistic applications. It has several stand-alone control modes and can operate via a DMX512 external signal.

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

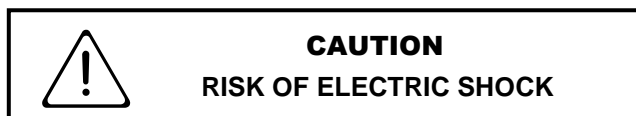
## INSTALLATION

### LOCATION

The FXLD127FRP512 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 FXLD127FRP512 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 FXLD127FRP512 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 FXLD127FRP512 only has 3 pin connections. DMX is

received on the 3 pin MALE connector on the back of the unit. The 3 pin FEMALE connector is used to connect to the next DMX device on the control chain.

The table below shows the pin assignments for the 3 pin DMX cable.

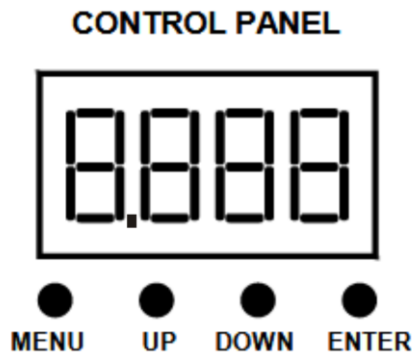
PIN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +

**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)



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

The fan on the unit will only turn on when temperature is at or above 45° C and will turn back off at or below 34° C.

There are 7 operation modes: DMX 5 channel, DMX 9 channel, Color Fade, Color Change, Color Select, Manual Level (6 selections), and Demo.

**DMX OPERATION**

For DMX operation the FXLD127FRP512 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**

If there is no DMX signal provided to the unit then setting any of these will result in the unit that was set to acting as a master. DMX signals will override all manual settings. The unit has an LED on the menu display (decimal point). If the LED is flashing, the unit is not receiving signal either from a DMX controller or from a master fixture. LED will disappear once receiving signal is present.

**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 00 to 99 (99 is fastest).

**Color Change (CCXX)**

The Color Change mode switches continuously through a sequence of colors. Use the **CCXX** menu to set the sequence speed. The range is from 00 to 99 (99 is fastest).

**Color Select (CSXX)**

The Color Select mode provides a multiple of preprogrammed color macros at various intensities. Use the **CSXX** menu to set the desired color. Select color options from 00-99.

**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)**

The unit cycles through a fixed series of color and fades. There are no other adjustments or settings in this mode.

**Sound Mode (SOUN)**

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

Sound mode can also be activated in 9 channel mode with DMX channel 9 set to 240-255. Brightness can be controlled with DMX channel 1 (0-255).

### **Signal Response Rate (dEL0)**

Provides a signal response cushion to smooth out LED dimming operation. The **dEL0** setting is for no cushion, and **dEL1, 2, 3** select available response cushion characteristics.

### **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.

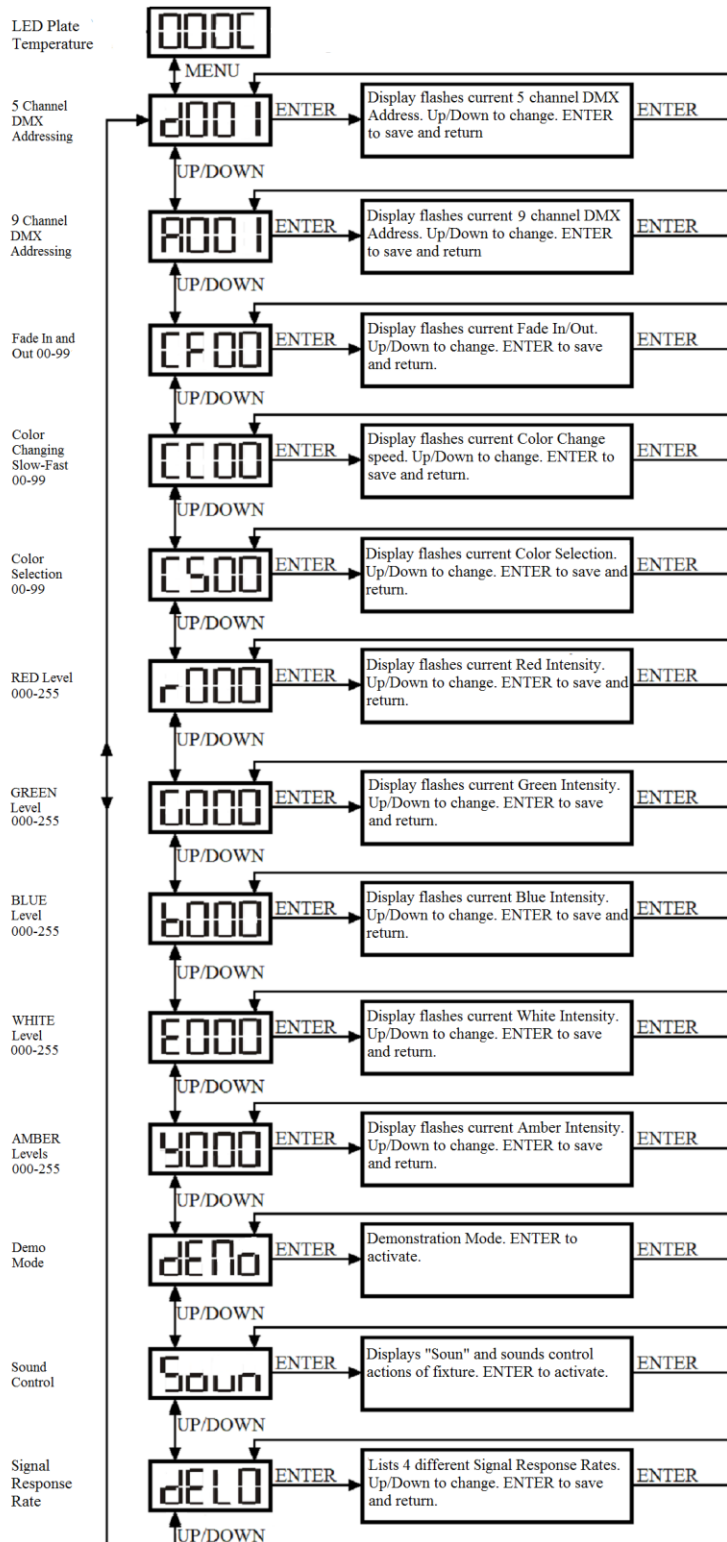
### **REPAIR**

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 FXLD127FRP5I2 does not contain any 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**



## FXLD127FRP512 LED FIXTURE OWNERS MANUAL

Version 1.0

05/06/2019

### DMX VALUES AND FUNCTIONS 5 CHANNEL MODE (MODE dXXX)

CHANNEL NO.	VALUE	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	FUNCTION	VALUE	DESCRIPTION
1	Master Dimmer	0-255	Master Dimmer
2	Strobe Control	0-255	Strobe slow to fast
3	Dimming Red	0-255	Linear 0-100%, from dark to bright
4	Dimming Green	0-255	Linear 0-100%, from dark to bright
5	Dimming Blue	0-255	Linear 0-100%, from dark to bright
6	Dimming White	0-255	Linear 0-100%, from dark to bright
7	Dimming Amber	0-255	Linear 0-100%, from dark to bright
8	Color Macro	0-9	Applicable to CH2-CH7
		10-34	Red Fade In
		35-64	Red 100% intensity, Green Fade In
		65-94	Green 100%, Red Fade Out
		95-97	Green
		98-127	Green 100%, Blue Fade In
		128-157	Blue 100%, Green Fade Out
		158-160	Blue
		161-190	Blue 100%, Red Fade In
		191-225	Red & Blue 100%, Green Fade In
226-255	Red, Green, Blue & White 100%, Amber Fade		
9	Color Effect Raising DMX Value	0-9	CH2-CH7 functions
		10-63	Red & Blue (slow to fast)
		64-127	Red & Blue (slow to fast)
		128-191	Red & Green (slow to fast)
		192-239	Blue & Green (slow to fast)
	Color Effect Lowering DMX Value*	239-192	Blue & Green (fast to slow)
		191-128	Cool White/Warm White (fast to slow)
		127-064	Blue & Green (fast to slow)
		63-10	Red & Green (fast to slow)
	Sound Control	9-0	CH2-CH7 functions
	240-255	Sound Control Activate	

\*Channel 9 additional characteristics.

If DMX is raised to 64-127, then back down, 10-63 colors become Red & Green.

If DMX is raised to 128-191, then back down, 64-127 colors become Blue & Green.

If DMX is raised to 192-239, then back down, 128-191 colors become Cool White/Warm White.

If DMX is raised to 240-254, then back down, 192-239 colors become Cool White/Warm White

A banner with a dark background and light-colored 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.