FEATURES AND SPECIFICATIONS

LEDs: 18, 12W each (RGBWA, 5 in 1)
White LED Color Temperature: 8000-8500K
Beam angle: 45º (25° Optional)
Control system: DMX-512 + Stand Alone Modes
DMX channels: 5/9
DMX connectors: 3 pin XLR
Refresh Rate: >3000 Hz)
Voltage: 100 - 240 VAC 50/60Hz
Max power consumption: 216 Watts
Ingress Protection: IP20 - Indoor Use Only
Cooling: Intelligent 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 FXLD1218FR5I is a RGBWA LED lighting fixture. It is suitable for stage, house 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

Locate the unit indoors 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. When hanging fixture, use a safety cable to the provided safety eye inserted in the rear of the fixture.

POWER CONNECTIONS

> ⚠ **CAUTION**
> **RISK OF ELECTRIC SHOCK**

The FXLD1218FR5I 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 FXLD1218FR5I unit. A mating white connector is also provided.

THE LINE CORD IS RATED FOR 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 proceeds from the controller to the first receiving device and then to others in one continuous chain.

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.

DMX CONNECTOR PIN ASSIGNMENTS

The FXLD1218FR5I 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.

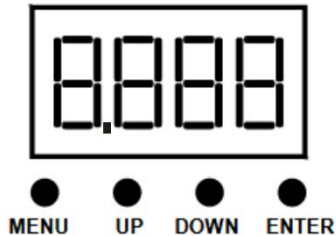| PIN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +

DMX TERMINATION

A DMX chain should be terminated at the last receiving device on the chain. This is done by installing a 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

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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 8 operation modes: DMX 5 channel, DMX 9 channel, Color Fade, Color Change, Color Select, Manual Level (5 selections), Demo, & Sound Mode.

The display will default to **0XXC**, this indicates the current LED plate temperature. The fan on the unit will only turn on when temperature is at or above 45℃ and will turn back off at or below 34℃. The display will go blank after 30 seconds with no buttons pushed.

DMX OPERATION

For DMX operation the FXLD1218FR5I 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.

In DMX operation, a flashing decimal on the display indicates that there is NO DMX signal present. The decimal will be off when a DMX signal is present.

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

MANUAL OPERATION

COLOR FADE (CF01)

The Color Fade mode cycles smoothly through a sequence of colors. Use the **CF01** menu to set the

speed and activate the option. The range is from 00 to 99 with 99 as the fastest.

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 speed at which the colors change. The range is from 00 to 99 with 99 as the fastest.

Color Select (CS01)

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

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

Individual color levels can be controlled manually using the **r000, g000, b000, E000, and Y000** menus. Use the UP and DOWN buttons to change the level, then push ENTER when done. The range is 000 - 255.

DEMO MODE (dENo)

The Demo mode is a stand-alone mode designed to test the unit. The Demo mode will not work if the unit is receiving DMX. Return back to DMX operation to exit Demo mode.

SOUND MODE (Soun)

The unit reacts to sounds by cycling through preprogrammed color selections at full brightness.

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

Dimmer Delay (dEL0)

The operation of this function has been discontinued.

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. (In DMX mode, the decimal LED on the display will flash if no DMX is present).
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. Use a cloth, do not spray or apply direct to fixture. 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 FXLD1218FR5I 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.

WARRANTY INFORMATION AND REGISTRATION – CLICK LINK BELOW

www.lightronics.com/warranty.html

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 - Color Preset Raising Fader	0 - 9 No Function
	10 - 32 Red
	33 - 92 Red to Green
	93 - 162 Green to Blue
	163 - 191 Blue to Red
	192 - 255 RGBWA
8 - Color Preset Lowering Fader	255 - 192 RGBWA
	191 - 163 Red/Blue/White
	162 - 97 Blue/Green/White
	96 - 33 Green to Red
	32 - 10 Red
	9 - 0 No Function
9 - Color Fade Raising Fader	0-9 No Function
	10-127 Blue & Red
	128-191 Red & Green
	192-239 Green & Blue
	240-255 Sound (Random if no sound for 3 seconds)
9 Color Fade Lowering Fader	255-240 Sound (Random if no sound for 3 seconds)
	239-128 RGBWA
	127-64 Blue & Green
	63-10 Green & Red
	9-0 No Function

LIGHTRONICS

FXLD1218FR5I LED FIXTURE

Version 1.1 **OWNER'S MANUAL** 05/11/2022

MENU NAVIGATION

TEMPERATURE MONITOR — `000C`

MENU ↕

DMX ADDRESS 5 CHANNEL MODE — `d.001` — UP/DOWN → Display flashes current 5 channel DMX address. Up/Down to change. Enter to save. → ENTER

MENU ↕

DMX ADDRESS 9 CHANNEL MODE — `A.001` — UP/DOWN → Display flashes current 9 channel DMX address. Up/Down to change. Enter to save → ENTER

MENU ↕

FADE IN/OUT 00-99 — `C.F00` — UP/DOWN → Display flashes current fade In/Out. Up/Down to change. Enter to save. → ENTER

MENU ↕

COLOR CHANGE 00-99 — `C.C00` — UP/DOWN → Display flashes color change speed. Up/Down to change. Enter to save. → ENTER

MENU ↕

COLOR SELECT 00-99 — `C.S00` — UP/DOWN → Display flashes color select. Up/Down to change. Enter to save. → ENTER

MENU ↕

RED LEVEL 000-255 — `r.000` — UP/DOWN → Display flashes current red intensity. Up/Down to change. Enter to save. → ENTER

MENU ↕

GREEN LEVEL 000-255 — `9.000` — UP/DOWN → Display flashes current green intensity. Up/Down to change. Enter to save. → ENTER

MENU ↕

BLUE LEVEL 000-255 — `b.000` — UP/DOWN → Display flashes current blue intensity. Up/Down to change. Enter to save. → ENTER

MENU ↕

WHITE LEVEL 000-255 — `E.000` — UP/DOWN → Display flashes current white intensity. Up/Down to change. Enter to save. → ENTER

MENU ↕

AMBER LEVEL 000-255 — `4.000` — UP/DOWN → Display flashes current amber intensity. Up/Down to change. Enter to save. → ENTER

MENU ↕

DEMO MODE — `dENo` — UP/DOWN → Display flashes to activate. Enter to start. Return to DMX channel mode selector to exit. → ENTER

MENU ↕

SOUND MODE — `Soun` — ENTER → Display flashes to activate. Enter to start. Return to DMX channel mode selector to exit. → ENTER

UP/DOWN ↕

SIGNAL RESPONSE RATE — `dELO` — ENTER → Display flashes to activate. Select Option 0,1,2,3. Enter to save. → ENTER

UP/DOWN