

**FEATURES AND SPECIFICATIONS**

LEDs: 18, 6W each (Warm White, Cool White, 2in1)  
 Beam angle: 45° (25° optional)  
 Control system: DMX-512 + Stand Alone Modes  
 DMX channels: 1/2/3/4/5  
 DMX connectors: 3 pin XLR  
 Voltage: 120-240 VAC 50/60Hz  
 Max power consumption: 120 Watts  
 Ingress Protection: IP20 - Indoor Use Only  
 Refresh Rate: > 3000Hz  
 Color Temp.: 3200K - 7000K  
 Cooling: Intelligent Fan  
 Body material: Die Cast Aluminum  
 Body color: Black (White optional)  
 Size: 9.9"L x 9.9"W x 4.5"D (without brackets)  
 Weight: 12.5 lbs. (4.5kg)



**DESCRIPTION**

The FXLD618FR2I is a variable white 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. Use a safety cable when hanging the fixture.

**POWER CONNECTIONS**

	<p>CAUTION  <b>RISK OF ELECTRIC SHOCK</b></p>
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The FXLD618FR2I 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 FXLD618FR2I 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 FXLD618FR2I 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.

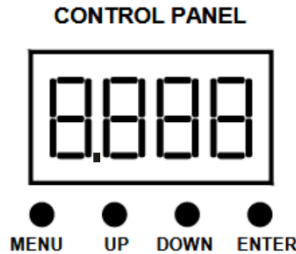
PIN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +

**DMX TERMINATION**

A DMX chain should be terminated at the last receiving device on the chain. This is done by installing a 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 one side 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. 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 ENTER to save your changes and activate the option. See the "MENU NAVIGATION" diagram for additional details.

There are 7 operation modes: DMX, Color Fade, Color Change, Color Select, Manual Level (2 selections), Demo and Sound.

The display will default to **0XXC**, which is a display of the current LED plate temperature. The fan on the unit will only turn on when temperature is at or above 45° C and turns off at or below 34° C.

### DMX OPERATION

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

For DMX operation the FXLD618FR2I fixture can be configured as a 1, 2, 3, 4, or 5 channel unit.

Set the **CHXX** menu to **01** (1 channel), **02** (2 channel), **03** (3 channel), **04** (4 channel), or **05** (5 channel).

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

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 DMX is present.

### 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 acting as a master. DMX overrides all manual settings.

[www.lightronics.com](http://www.lightronics.com)

### COLOR FADE (CFXX)

The Color Fade mode cycles smoothly through 3 preset color temperature settings. Use the **CFXX** menu to set the speed and activate the option. The range is from 0 to 99 with 99 as the fastest.

### COLOR CHANGE (CCXX)

The color change mode cycles through 3 preset color temperature settings at a user defined speed. Use the **CCXX** menu to set the rate of speed at which the colors change. The range is from 0 to 99 with 99 as the fastest.

### COLOR SELECT (CSXX)

For additional manual operations, you can use the Color Select menu (**CSXX**) to select one of three preset color temperature settings.

### Warm White/Cool White MANUAL LEVEL CONTROL

Individual color levels can be controlled manually using the **u000** (warm white), and **E000** (cool white) 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. Exit Demo mode by entering Channel mode menu option or insert a DMX signal.

### SOUND MODE (Soun)

The unit reacts to sounds by cycling through three preset color temperatures. There are no other settings within this mode.

### 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.

Check the address settings of the unit and the controller.

If no DMX signal is present, there will be a flashing decimal point between 1<sup>st</sup> & 2<sup>nd</sup> character on display.

## 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 FXLD618FR2I 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](http://www.lightronics.com/warranty.html)

## DMX VALUES AND FUNCTIONS

### 1 CHANNEL MODE

CHANNEL	VALUE	FUNCTION
1	0-255	Warm & Cool White Intensity

### 2 CHANNEL MODE

CHANNEL	VALUE	FUNCTION
1	0 - 255	Warm White Intensity
2	0 - 255	Cool White Intensity

### 3 CHANNEL MODE

CHANNEL	VALUE	FUNCTION
1	0-255	Dimmer
2	0-255	Warm White Intensity
3	0-255	Cool White Intensity

### 4 CHANNEL MODE

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Master Dimmer	0-255	0%-100% Intensity
2	Strobe Control	0-3	No Strobe
		4-127	Slow to Fast
		128-131	No Strobe
		132-255	Random
3	Warm White	0-255	0%-100% Intensity
4	Cool White	0-255	0%-100% Intensity

### 5 CHANNEL MODE

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Master Dimmer	0-255	0%-100% Intensity
2	Strobe Control	0-3	No Strobe
		4-127	Slow to fast
		128-131	No Strobe
		132-255	Random Strobe
3	Warm White	0-255	0%-100% Intensity
4	Cool White	0-255	0%-100% Intensity
5	Static Preset	0-63	Off
		64-127	Warm White
		128-191	Cool White
		192-255	Neutral White

MENU NAVIGATION

