

FEATURES AND SPECIFICATIONS

LEDS: 7, 12W each (RGBWA, 5 in 1)
 White LED Color Temperature: 6500K
 Beam angle: 25° (15° optional)
 Control system: DMX-512 + 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
 Ingress Protection: IP20 - Indoor Use Only
 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 FXLD127FR5I 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

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 RISK OF ELECTRIC SHOCK</p>
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The FXLD127FR5I 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 FXLD127FR5I unit. A

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matching 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 should proceed 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 FXLD127FR5I uses 3 pin XLR type connectors. 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 +

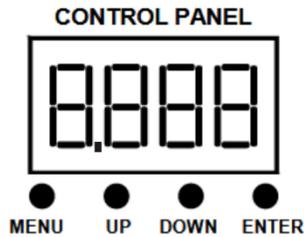
DMX TERMINATION

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 to save your changes and activate the option. See the "MENU NAVIGATION" diagram for additional details.

The fan on the unit will 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 FXLD127FR5I 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.

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. The LED will disappear once a valid signal is present.

MANUAL OPERATION

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 with 99 as the 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 with 99 as the fastest.

Color Select (CSXX)

The Color Select mode provides a multiple of colors 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 individual color levels 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, with 255 as the 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 be activated in 9 channel mode with DMX channel 9 set to 240-255. Intensity is controlled with DMX channel 1 (0-255).

Dimmer Delay (dEL0)

This 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.

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 directly to fixture. Ensure the unit is completely dry before re-use.

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.

REPAIR

The FXLD127FR5I does not contain any user serviceable parts. Internal service on the unit by other than Lightronics authorized agents will void the warranty.

WARRANTY INFORMATION AND
 REGISTRATION - CLICK LINK BELOW

www.lightronics.com/warranty.html

DMX VALUES AND FUNCTIONS

5 CHANNEL MODE (dXXX)

CH	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 (AXXX)

CH	FUNCTION	VALUE	DESCRIPTION
1	Master Dimmer	0-255	Master Dimmer
2	Strobe Control	0-255	Strobe slow to fast
3	Red	0-255	Red Intensity
4	Green	0-255	Green Intensity
5	Blue	0-255	Blue Intensity
6	White	0-255	White Intensity
7	Amber	0-255	Amber Intensity
8	Color Macro	0-9	Applicable to CH2-CH7
		10-34	Red Fade In
		35-64	Red Full, Green Fade In
		65-96	Green Full, Red Fade Out
		97-127	Green Full, Blue Fade In
		128-159	Blue Full, Green Fade Out
		160-190	Blue Full, Red Fade In
		191-225	Red, Blue Full, Green Fade In
		226-255	RGBW Full, Amber Fade In
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/Warm White (fast to slow)
		127-064	Blue & Green (fast to slow)
		63-10	Red & Green (fast to slow)
		9-0	CH2-CH7 functions
Sound Control	240-255	Sound Control Activate	

*Channel 9 additional characteristics:

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

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

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

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

MENU NAVIGATION

