

FEATURES AND SPECIFICATIONS

LEDS: 12 10 Watt LEDs (RGBW 4 in 1)
 Beam angle: 25 °
 Control system: DMX-512
 DMX channels: 8
 DMX connectors: 3 pin XLR
 Voltage: 100 - 250 VAC / 50/60Hz
 Max power consumption: 150 Watts
 Size: 11 5/8"D x 11 5/8"W x 11 1/4"H
 Body material: Cast Aluminum
 Body color: black
 Weight: 11 lbs

DESCRIPTION

The FXLD1012C4I is a PAR style RGBW 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 it to be operated in several positions.

INSTALLATION


LOCATION

The FXLD1012C4I is rated IP20 and is intended for **INDOOR USE ONLY**.

Locate the unit in a well ventilated area away from moisture and heat. Holes are provided on the yoke to install a lighting bar pipe clamp. A safety cable should also be used.

POWER CONNECTIONS

The FXLD1012C4I has a line cord for connection to a 120 VAC, 15 Amp, 60Hz, grounded service.

	<p>CAUTION RISK OF ELECTRIC SHOCK</p>
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The safety ground pin on the power cord 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 which can be used for DMX control. They are both XLR type connectors. Some units use 3 pin connectors. Others use 5 pin connectors. The FXLD1012C4I receives a DMX signal on the 3 pin MALE connector on the back of the unit. The 3 pin FEMALE connector is used to connect the next DMX device on the control chain. If your console uses a 5 pin connector you can make up an adapter cable to accommodate this. 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

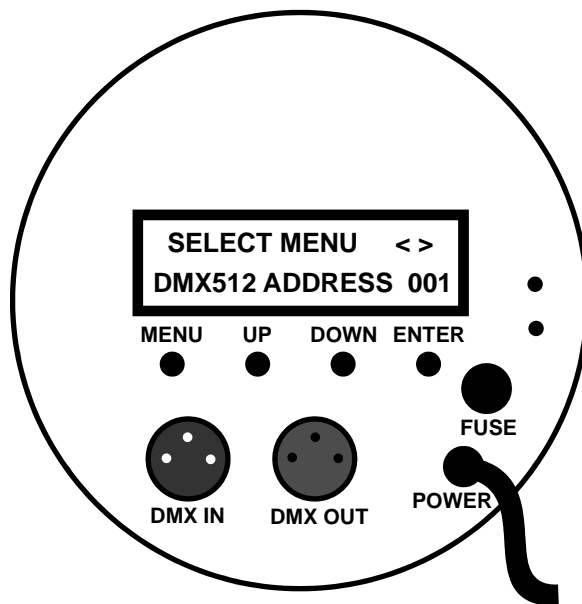
A DMX chain should be terminated at the last receiving device on the chain. This is done by

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

Operating options are set using the LCD display and 4 buttons (MENU, UP, DOWN, ENTER) on the rear of the fixture.

FXLD1012C4I REAR PANEL VIEW



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. See the "MENU NAVIGATION" diagram for additional details.

There are 7 main operation modes: DMX, Color Fade, Color Change, Color, Master Auto, and Master Sound, and Master/Slave Operation

DMX OPERATION

Use the DMX512 menu to set the starting address of the unit. You can set the starting address of the unit with the UP and DOWN buttons.

The fixture uses eight channels assigned as follows:

- CHANNEL 1: Master for the RGBW channels.
- CHANNEL 2: Strobe rate for the RGBW channels.
- CHANNEL 3: Red level (255 = maximum).
- CHANNEL 4: Green level (255 = maximum).
- CHANNEL 5: Blue level (255 = maximum).
- CHANNEL 6: White level (255 = maximum).
- CHANNEL 7: RGBW Color selection for 25 colors and effects.
- CHANNEL 8: Mixing speed for channel 7 functions.

DISPLAY ON/OFF

You can set the display so that it will turn off after a short delay by using the **Display _OFF** menu. Push MENU to turn it back on.

COLOR FADE

The Color Fade mode cycles smoothly through a sequence of colors. Use the **COLOR FADE** menu to set the speed and activate the option. The range is from 00 to 255. 255 is fastest.

COLOR CHANGE

The Color Change mode switches through a sequence of seven colors. Use the **Color Change** menu to set the sequence speed and activate the option. The range is from 00 to 255. 255 is fastest.

COLOR

The Color menu enables you to set the unit to one of 15 colors or OFF. Use the **Color** menu to select a color. 00 is OFF.

MASTER AUTO

The Master Auto mode causes the unit to cycle through both the Color Change and Color Fade sequences. There is no selection or speed setting. The effect begins when you enter the **Master Auto** menu.

MASTER SOUND

The Master Sound mode causes the unit to cycle through the Color Change sequence in sync with music bass notes. There is no selection or speed setting. The effect begins when you enter the **Master Sound** menu.

MASTER /SLAVE OPERATION

The FXLD1012C4I can operate in a Master/Slave mode where one of the units can synchronize up to 4 other units.

Connect the units together using the DMX IN and DMX OUT connectors. Set the unit to be the Master in one of the modes above. Use the **Slave** menu to set the others to consecutive numbers 1 thru 4 as needed.

MAINTENANCE AND REPAIR**TROUBLESHOOTING**

Check that you have power applied to the unit.

Check the fuse.

Check the DMX control cable.

Check the address settings of the unit and the controller.

REPAIR

CAUTION DO NOT OPEN UNIT
RISK OF ELECTRIC SHOCK
RISK OF FIRE

The only FXLD1012C4I user serviceable part is a externally accessible fuse.

DISCONNECT THE UNIT FROM POWER BEFORE CHECKING OR REPLACING THE FUSE.

Replace the fuse **ONLY** with a 5mm x 20mm 2.0 Amp, 250VAC, fast blow fuse.

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.

PHOTOMETRIC CHARACTERISTICS

Distance (ft)	Illuminance (Lux)	Beam Diam. (ft)
10	917	6
20	230	12
30	112	17



WARRANTY

This product is warranted for a period of TWO YEARS from the date of purchase against defects in materials and workmanship.

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.