FEATURES AND SPECIFICATIONS

LEDS: 48 Three Watt LEDs (RGB 3 in 1)
Beam angle: 25 º
Control system: DMX-512 + Stand Alone
DMX channels: 9
DMX connectors: 3 pin XLR
Voltage: 110 - 240 VAC 50/60Hz
Max power consumption: 150 Watts
Size: 10 7/8"W x 9 1/4"H x 8 3/4"D
Body material: Cast Aluminum
Body color: Black
Weight: 18.3 lbs

DESCRIPTION

The FXLD348C3O is a PAR Style RGB LED lighting fixture. It is suitable for stage, disco, night club, and other artistic applications. It has several stand alone control modes, a master/slave mode, and can operate via a DMX-512 external signal.

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

INSTALLATION

LOCATION

The FXLD348C3O is rated IP65 and can be use outdoors.

Locate the unit in a well ventilated area away from heat. Holes are provided on the yokes to install a lighting bar pipe clamp. Use a safety cable.

POWER CONNECTIONS

The FXLD348C3O has a line cord for connection to a 120 VAC, 15 Amp, 60Hz, grounded service. A pass thru power cable is also included.

You are limited to 6 fixtures when chaining power using the pass thru cables.

DANGER
RISK OF ELECTRIC SHOCK
RISK OF FIRE

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 cable should NOT be split into a star arrangement with a cable running from the controller directly to each fixture.

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 FXLD348C3O 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. 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.

IN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +
4	NOT USED
5	NOT USED

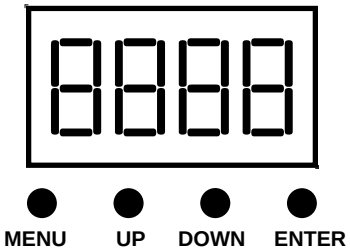
DMX TERMINATION

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

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)

CONTROL PANEL



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 9 operation modes: DMX, Blue Level, Green Level, Red Level, IP Address, Test Colors, Auto Sequence, Run Program, and Slave Mode.

DMX OPERATION

Use the d - - - 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 nine channels allocated as follows:

CHANNEL 1: Master Dimmer
CHANNEL 2: Strobe Rate Control (various effects)
CHANNEL 3: Red Level
CHANNEL 4: Green Level
CHANNEL 5: Blue level
CHANNEL 6: Color Macro (7 colors)
CHANNEL 7: Auto Programs (5 programs)
CHANNEL 8: Auto Program Speed (255 fastest)
CHANNEL 9: IP Address (1 - 85)

Additional detail on DMX channel operation is given in the table "DMX Values and Functions".

MANUAL OPERATION

For manual operation the, blue, green, and red LED intensity levels may be independently controlled. Use the Cb - -, Cg - -, and Cr - -, menus to set the levels. The range is from 00 (OFF) to 30 (Full On).

IP ADDRESS OPERATION

IP addressing allows you to control individual fixtures with the same DMX address in an independent manner without changing the DMX address at the fixture.

An IP address (00 - 85) is first set at the fixture. If set to 00 then the fixture IP addressing is deactivated.

The console IP channel (channel 9) can then be used to select fixtures which have a specific IP address. At that point only fixtures which match the console IP setting will respond to the other console channels.

If the console IP address selection (channel 9) is set to 000 then all IP address functions are turned off and fixtures will respond normally according to their DMX address.

TEST COLORS

The Test Colors option runs the LEDs thru a wide range of combinations and levels. Use the E - - - menu to select one. The range is from 000 to 255.

AUTO SEQUENCE

The AUTO SEQUENCE mode switches continuously through a sequence of all the preset programs . See the RUN PROGRAM menu for more details. Use the Au - - menu to set the sequence speed and activate the option. The range is from 00 to 99. 00 is fastest.

RUN PROGRAM

The unit can operate using 55 preset programs. Preset 0 is "all off". Presets 1 through 7 are solid colors. The remaining presets are a variety of changing colors and patterns. Use the Pr - - menu to select and activate a preset program. The range is from 00 to 55.

MASTER/SLAVE OPERATION

The FXLD348C3O can operate in a Master/Slave mode where one of the units can synchronize other units of the same model.

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 SLAV menu to set a unit as a slave.

MAINTENANCE AND REPAIR

DISCONNECT ALL POWER AND CONTROL CABLES BEFOR HANDLING THE UNIT

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 FXLD348C3O does not contain parts which are serviceable by the user.

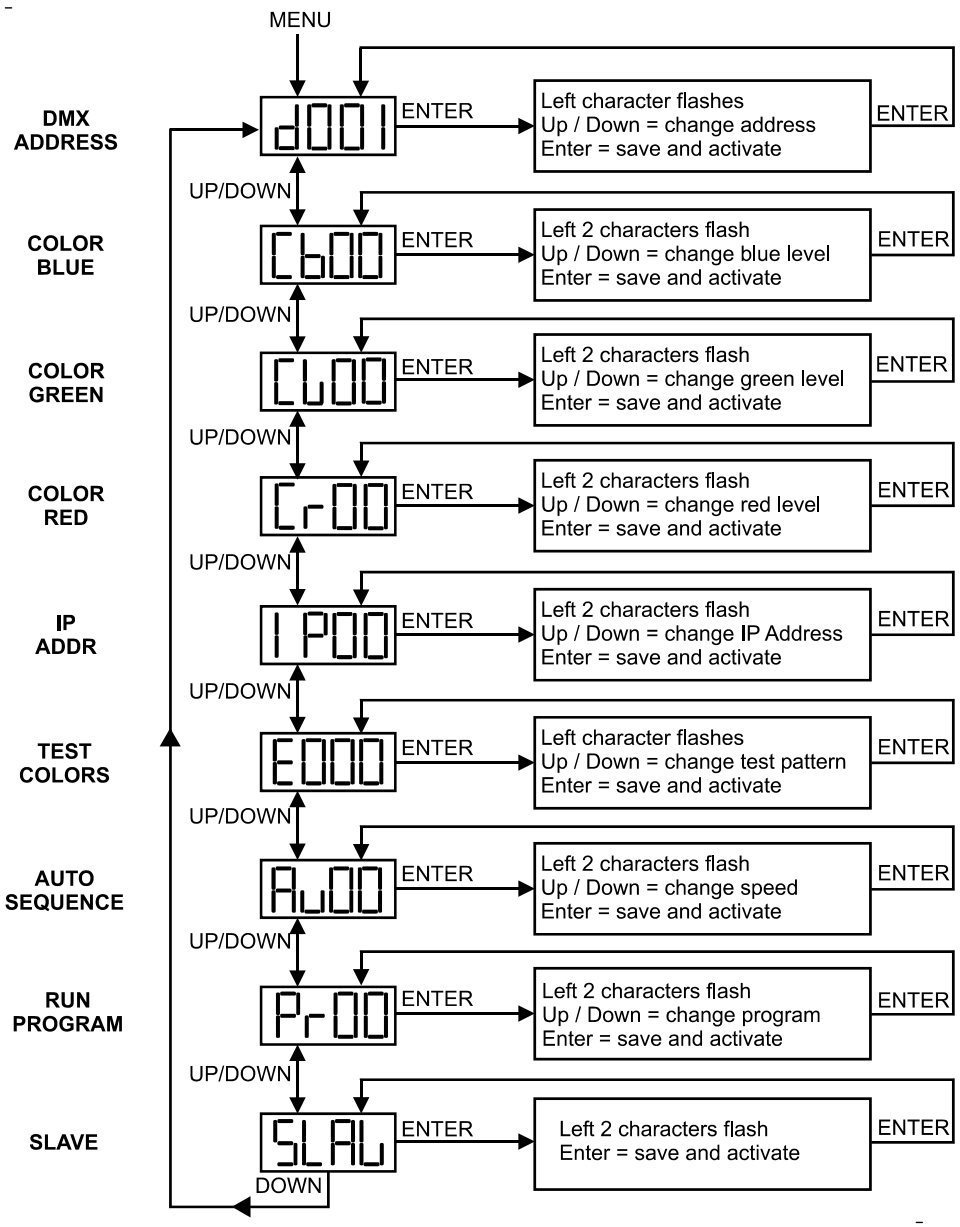
Internal service on the unit by other than Lightronics authorized agents will void the warranty.

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	2280	5
20	612	8
30	275	10

MENU NAVIGATION



DMX VALUES AND FUNCTIONS

DMX CHANNEL	DMX VALUE	FUNCTION
1	0 - 255	Master Dimmer
2	0 - 79 80 - 159 160 - 239 240 - 255	Strobe Mode 1, slow - fast Strobe Mode 2, slow - fast Strobe Mode 3, fast - slow (other channels disabled) No function
3	0 - 255	Red Level
4	0 - 255	Green Level
5	0 - 255	Blue Level
6	0 - 255	Color Macro. (7 colors)
7	0 - 255	Auto Programs (a variety of colors and effects)
8	0 - 255	Program Speed (255 fast)
9	0 - 1 2 - 4 5 - 7 8 - 10 11 - 13 14 - 16 17- 19 20 - 22 ---------- 254 - 255	IP Address 0 (Disables IP operation) IP Address 1 IP Address 2 IP Address 3 IP Address 4 IP Address 5 IP Address 6 IP Address 7 Increases IP address for every 3 DMX values. IP ADDRESS 85

WARRANTY

This products 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.