

FEATURES AND SPECIFICATIONS

LED: 100 Watt, White
 Color Temp.: 6300deg. K
 Beam angle: 26 °
 Illumination: 16200 Lux @ 1 meter
 Control system: DMX512 + Stand Alone
 DMX channels: 7
 DMX connectors: 3 pin XLR
 Voltage: 120 VAC 50/60Hz
 Max power consumption: 150 Watts
 Size: 23.9"L x 4 12.3"W x 16"H
 Body material: Plastic
 Reflector: Glass
 Body color: Black
 Weight: 16.6 lbs



DESCRIPTION

The FXLD100ECMY26B is a CMY color changing LED lighting fixture which includes a CTO filter. It is suitable for stage, disco, night club, and other artistic applications. It has two automatic stand alone control modes, and can operate via a DMX-512 external signal.

A mounting yoke enables the fixture to be operated in various positions and orientation.

INSTALLATION

LOCATION

The FXLD100ECMY26B is rated IP20 and is intended for INDOOR USE ONLY.

Locate the unit 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

The FXLD100ECMY26B has a line cord for connection to a 120 VAC, 15 Amp, 60Hz, grounded service.



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 FXLD100ECMY26B 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.

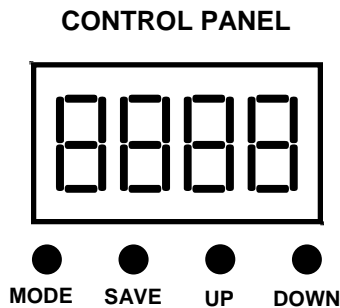
IN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +
4	NOT USED
5	NOT USED

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 power ON/OFF switch is located at the rear of the unit. 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 (MODE, SAVE, UP, and DOWN)



Push MODE to access the operating options. Then use UP and DOWN to scroll the available choices. When you reach the value you want to set - push SAVE.

There are 3 operation modes: DMX, F1, and F2.

DMX OPERATION

Use the A - - - 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 seven DMX channels with allocations as follows:

- CHANNEL 1: Iris Control
- CHANNEL 2: Cyan Filter
- CHANNEL 3: Magenta Filter
- CHANNEL 4: Yellow Filter
- CHANNEL 5: CTO Filter
- CHANNEL 6: Master Dimmer Level
- CHANNEL 7: Strobe Rate

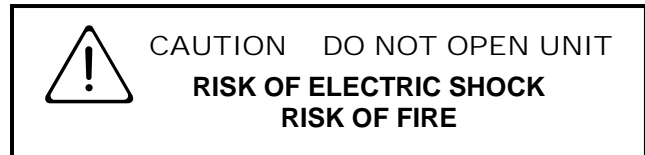
Additional detail on DMX channel operation is given in the table "DMX Values and Functions".

AUTO MODES F1 and F2

The AUTO MODES switch continuously through a sequence of colors. Both F1 and F2 mode may be turned on or off independently from the control panel.

A DMX signal must be present but is not used when operating in F1 or F2 modes.

MAINTENANCE AND REPAIR



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 only FXLD100ECMY26B user serviceable part is a 5mm x 20mm externally accessible fuse.

DISCONNECT THE UNIT FROM POWER BEFORE CHECKING OR REPLACING THE FUSE

Replace fuse **ONLY** with 3.15 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.

DMX VALUES AND FUNCTIONS

DMX CHANNEL	DMX VALUE	FUNCTION
1	0 - 255	Iris Control (255 = Wide)
2	0 - 255	Cyan Filter (255 = Fully Applied)
3	0 - 255	Magenta Filter (255 = Fully Applied)
4	0 - 255	Yellow Filter (255 = Fully Applied)
5	0 - 255	CTO Filter (255 = Fully Applied)
6	0 - 255	Master Dimmer Level (255 = max.)
7	0 - 255	Strobe Speed (255 = Fast)

The banner features the Lightronics logo on both sides, which consists of the word "LIGHTRONICS" with a stylized "O" containing a circular arrow. In the center, the word "WARRANTY" is written in large, bold, white capital letters on a dark grey rectangular background.

LIGHTRONICS **WARRANTY** LIGHTRONICS

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.