

**FXLD2512B5I6 LED FIXTURE
OWNER'S MANUAL**

Version 1.1

05/11/2022

FEATURES AND SPECIFICATIONS

LEDs: 12, 25W each (RGBWA, 5 in 1)
 Beam angle: 60°
 Control system: DMX-512 + Stand Alone Modes
 DMX channels: 5/9
 DMX connectors: 3 pin XLR I/O
 Refresh Rate: >3000 Hz
 Voltage: 100 - 240 VAC 50/60Hz
 Max power consumption: 330 Watts
 Ingress Protection: IP20 - Indoor Use Only
 Cooling: Intelligent Fans (2)
 Body material: Sheet steel
 Body color: Black
 Size: 42.7"L x 5"D x 5.4"H (with brackets)
 Weight: 19.8 pounds



DESCRIPTION

The FXLD2512B5I6 is an 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 DMX-512 external signal.

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 brackets to install a lighting bar pipe clamp. Use a safety cable when hanging the fixture.

POWER CONNECTIONS



CAUTION
RISK OF ELECTRIC SHOCK

The FXLD2512B5I6 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 FXLD2512B5I6 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 must 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 pack.

DMX CONNECTOR PIN ASSIGNMENTS

This unit uses 3 pin XLR type connectors. The FXLD2512B5I6 receives DMX on the 3 pin MALE connector on one side of the unit. On the other side of unit, the 3 pin FEMALE connector is used to connect to the next DMX device on the control chain.

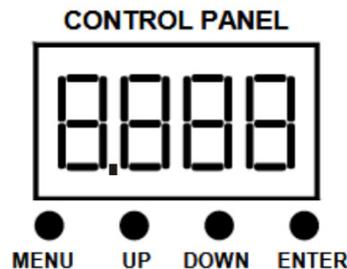
PIN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +

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 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. Push UP or DOWN to cycle through options. When you reach the option you want to set or change use the ENTER button to select the option to change. Then use the UP and DOWN buttons to modify the values. Push ENTER to save your changes and activate the option. See the "MENU NAVIGATION" diagram for additional details.

There are 8 operation modes: DMX 5 channel, DMX 9 channel, Color Fade, Color Change, Color Select, Manual Level (5 selections), Demo, and Sound.

Pushing MENU alternates to display **0XXC** for current LED plate temperature. The fan turns on at low speed when temperature is at or above 45° C and will turn back off at or below 34° C. The fan shifts to high speed if temperature increases to 55° C and back to low speed once temperature reaches 49° C.

DMX OPERATION

For DMX operation the FXLD2512B5I6 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.

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.

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

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 signals will override all manual settings.

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 cycles through a variety of colors at a user defined speed. Use the **CCXX** menu to set the rate of speed at which the colors change. The

range is from 00 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 16 colors and levels. Options from 00-99.

R, G, B, W, A Manual Level Control

You can operate the individual color levels manually using the **r000**, **G000**, **b000**, **E000**, and **Y000** menus. Use the UP and DOWN buttons to change the level, 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 colors and fades. There are no adjustments or settings in this mode. Return to Channel mode to exit Demo.

Sound Mode (Soun)

The unit reacts to sounds by changing colors randomly. There are no other settings within this mode.

Sound mode can also be activated in 9 channel mode with DMX channel 9 set to 240-255. Intensity can be controlled with DMX channel 1 (0-255).

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.

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 the unit is completely dry before re-use.

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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 FXLD2512B516 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

**DMX VALUES AND FUNCTIONS
5 CHANNEL MODE (MODE dXXX)**

CHANNEL	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 (MODE AXXX)
***Channel 9 additional characteristics.**

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

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

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

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

CHANNEL	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)
	Sound Control	9-0	CH2-CH7 functions
240-255		Sound Control Activate	

MENU NAVIGATION

