FEATURES AND SPECIFICATIONS

LEDS: 7, 15W each (RGBWA+UV, 6in1)
White LED Color Temperature: 6500K
Beam angle: 25 º (15° Optional)
Control system: DMX-512 + Stand Alone Modes
DMX channels: 6/10
DMX connector: 3 pin XLR I/O
Refresh Rate: >3000 Hz
Voltage: 120 - 240 VAC 50/60Hz
Max power consumption: 105 Watts + 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. (4.0 kg)

DESCRIPTION

The FXLD157FR6I is a RGBWA+UV 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.

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

⚠	**CAUTION** **RISK OF ELECTRIC SHOCK**

The FXLD157FR6I 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 FXLD157FR6I 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 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 FXLD157FR6I uses 3 pin XLR connectors. DMX is received on the MALE connector on the back of the unit. The 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).

CONTROL PANEL

MENU   UP   DOWN   ENTER
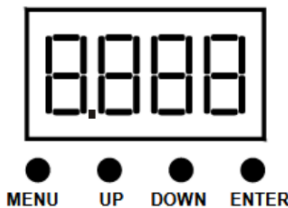
Push MENU to access the operating options. When you reach the option you want to set or change, press ENTER and use UP or DOWN to set a value. Push ENTER again to save your changes and activate the option. See the "MENU NAVIGATION" diagram for additional details.

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 8 operation modes: DMX 6 channel, DMX 10 channel, Color Fade, Color Change, Color Select, Manual Level (6 selections), Demo and Sound.

DMX OPERATION

For DMX operation, the FXLD157FR6I fixture can be configured as a 6 channel, or 10 channel unit. Use the **dXXX** (6 ch) or **AXXX** (10 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 multitude of preprogrammed color macros at various intensities. Use the **CSXX** to select the desired color and intensity. The range is from 00 to 99.

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

You can operate the individual color levels manually using the **r000, G000, b000, E000, u000** 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 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 also be activated in 10 channel mode with DMX channel 10 set to 240-255. Brightness 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
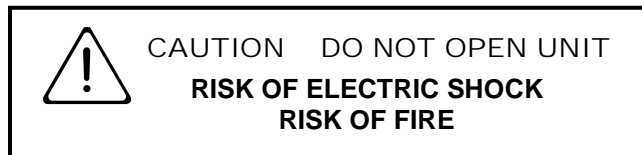
TROUBLESHOOTING
Check that you have power applied to the unit.
Check the DMX control cable.
Check the address settings of the unit and the controller.

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CLEANING

Do not use harsh chemicals or solvents when cleaning the fixture. A mild detergent can be used sparingly if needed. Ensure the unit is completely dry before re-use.

REPAIR

The FXLD157FR6I does not contain any 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

6 CHANNEL MODE (dXXX)

CH	FUNCTION
1	0 - 255 Red Level
2	0 - 255 Green Level
3	0 - 255 Blue Level
4	0 - 255 White Level
5	0 - 255 UV Level
6	0 - 255 Amber Level

*Additional Channel 10 Notes:

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.

10 CHANNEL MODE (AXXX)

CH	FUNCTION	VALUE	DESCRIPTION
1	Master Dimming	0-255	Master Dimmer
2	Strobe Control	0-255	Strobe (Speed from slow to fast)
3	Red	0-255	Red Level
4	Green	0-255	Green Level
5	Blue	0-255	Blue Level
6	White	0-255	White Level
7	UV	0-255	UV Level
8	Amber	0-255	Amber Level
9	Color Macro	0-9	Channels CH2-CH8 Function
		10-34	Red Fade In
		35-64	Red 100%, Green Fade In
		65-96	Green 100%, Red Fade Out
		97-127	Green 100%, Blue Fade In
		128-159	Blue 100%, Green Fade Out
		160-190	Blue 100%, Red Fade In
		191-225	Red/Blue 100%, Green Fade In
		226-255	RGB 100%, White/Amber Fade In
10*	Color Fade Effect (Raising DMX)	0-09	CH2-CH8 Functions
		10-63	Red & Blue (speed slow to fast)
		64-127	Red & Blue (speed slow to fast)
		128-191	Red & Green (speed slow to fast)
		192-239	Blue & Green (speed slow to fast)
	Color Fade Effect (Lowering DMX)	239-192	Blue & Green (speed fast to slow)
		191-128	Cool/Warm White (speed fast to slow)
		127-064	Blue & Green (speed fast to slow)
		63-10	Red & Green (speed fast to slow)
		09-00	CH2-CH8 Functions
	Sound Control	240-255	Sound Control Activation

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MENU NAVIGATION

LED Plate Temperature	000C	
	MENU ↑	
6 Channel DMX Addressing	d001 — ENTER →	Display flashes current 6 channel DMX Address. Up/Down to change. ENTER to save and return — ENTER
	UP/DOWN	
10 Channel DMX Addressing	A001 — ENTER →	Display flashes current 10 channel DMX Address. Up/Down to change. ENTER to save and return — ENTER
	UP/DOWN	
Fade In and Out 00-99	CF00 — ENTER →	Display flashes current Fade In/Out. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
Color Changing Slow-Fast 00-99	CC00 — ENTER →	Display flashes current Color Change speed. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
Color Selection 00-99	CS00 — ENTER →	Display flashes current Color Selection. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
RED Level 000-255	r000 — ENTER →	Display flashes current Red Intensity. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
GREEN Level 000-255	G000 — ENTER →	Display flashes current Green Intensity. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
BLUE Level 000-255	b000 — ENTER →	Display flashes current Blue Intensity. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
WHITE Level 000-255	E000 — ENTER →	Display flashes current White Intensity. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
UV Levels 000-255	u000 — ENTER →	Display flashes current UV Intensity. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
AMBER Levels 000-255	y000 — ENTER →	Display flashes current Amber Intensity. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	
Demo Mode	dENo — ENTER →	Demonstration Mode. ENTER to activate. — ENTER
	UP/DOWN	
Sound Control	Soun — ENTER →	Displays "Soun" and sounds control actions of fixture. ENTER to activate. — ENTER
	UP/DOWN	
Signal Response Rate	dEL0 — ENTER →	Lists 4 different Signal Response Rates. Up/Down to change. ENTER to save and return. — ENTER
	UP/DOWN	