

FEATURES AND SPECIFICATIONS

LEDs: 300 Watt Array (Warm White)
 Color Temperature: 3000 K
 Beam Angle: 19° or 26° or 36° (50° Optional)
 Control System: DMX512 + Stand Alone
 DMX Channels: 1 or 2
 DMX Connectors: 3 pin XLR I/O
 Power Input: 100-230VAC, 50/60Hz
 Max. Power Consumption: 300 Watts @ 120VAC
 Body Material: All Metal Construction
 Body Color: Black or White Available
 Reflector: Glass
 Gel Frame and Size "M" Gobo Holder Included
 FX Accessory Slot
 Sliding Yoke Assembly on 12.75" Track
 Size: 28"L x 13.5"W x 20"H (with yoke)
 Weight: 23 lbs

DESCRIPTION

The FXLE3030W is an LED ellipsoidal fixture that is suitable for stage, houses of worship, entertainment venues and other artistic applications. It has automatic stand-alone control modes and can operate via an external DMX512 signal.

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

INSTALLATION

LOCATION

The FXLE3030W is rated IP20 and is intended for INDOOR USE ONLY.

Locate the unit in a well-ventilated area away from moisture or heat. Maintain a minimum spacing of 20" between the unit and other objects. The maximum ambient operating temperature is 40°C (104°F). Keep the vent holes clear. Holes are provided on the yoke to install a traditional lighting c-clamp for mounting on batten pipe. Use a safety cable attached to the safety eye when hanging the fixture.

GOBO/FX SLOT ALIGNMENT

To rotate barrel, loosen the two 3mm hex socket cap screws on both sides of body behind the shutter handles. Loosen both adjustment knobs at top and bottom of fixture behind the shutter handles. Once the GOBO or FX slot is aligned, retighten screws and knobs.



LENS TUBE ADJUSTMENT

To focus beam, loosen the knobs on the top and bottom of barrel, extend/retract lens tube as needed for intended beam and tighten knobs. Support lens tube in process.

YOKE ADJUSTMENT

To slide yoke along track, loosen 4 screws on both side brackets with a #2 Phillips screwdriver, adjust yoke and retighten screws once in desired location.

POWER CONNECTIONS

The FXLE3030W has a line cord for connection to a 100-230 VAC, 50/60Hz, grounded service. Do not power the unit from a dimmer pack.



DANGER
RISK OF ELECTRIC SHOCK

When using 120VAC, only connect a maximum of four FXLE3030W fixtures together with power connectors.

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

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cable should originate at the controller to the first receiving device and then to others in a continuous "daisy chain" fashion. An optically isolated DMX splitter is recommend when installing the FXLE3030W in a system with various other DMX devices.

The FXLE3030W has a DMX IN and a DMX OUT connector which are used to connect the DMX data chain. The control cable can NOT be split into a Y or multiple run/star arrangement with a cable running directly from the controller to each receiving device.

DMX CONNECTOR PIN ASSIGNMENTS

Predominantly two connectors are used for connecting fixtures and other DMX devices to a DMX control chain. They are both "XLR type" connectors. Some units use 3 pin connectors, others use 5 pin connectors. The FXLE3030W receives a DMX signal on the 3 pin MALE connector on the rear of the unit. The 3 pin FEMALE connector is used to connect to the next DMX device on the control chain.

If your console uses a 5 pin XLR connector, an adapter cable can be purchased or fabricated to accommodate this conversion. The following table shows the pin assignments for both 3 pin and 5 pin XLR connectors:

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

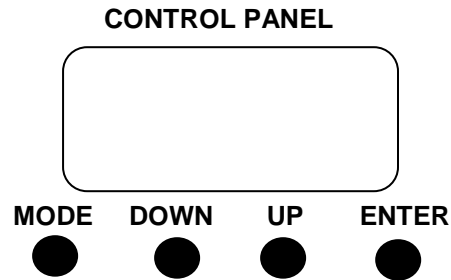
DMX TERMINATION

It is recommended that a DMX data chain 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 installed very close together and with a short run of DMX cable to the controller then you may be able to operate without the terminator.

OPERATION

Power is applied once the power cord is connected to a live power source. There is not an on/off switch. Connect power cord to fixture first, then outlet. A display and user interface is located on the back of the unit. This interface is used to set the operating options

and settings. It consists of a backlit LCD display and four buttons (MODE, DOWN, UP and ENTER).



Use MODE to scroll through the available choices. Push ENTER when you reach the option you want to check or set. The current setting for the option will be shown. Use UP and DOWN until you reach the desired setting or menu then push ENTER to invoke the new setting. Use ENTER to exit from the sub menus.

DMX OPERATION

Use the DMX-Addr menu to set the unit DMX starting address. The range is 001 - 512. A 'V' will be displayed if a valid DMX signal is present, an 'x' represents that no valid DMX signal is present.

For this fixture to operate in DMX mode, the mode needs to be set for "DMX-Addr" on the LCD display by pressing the MODE button.

The fixture has 2 DMX modes. 1 channel and 2 channel: Channel 2 is not active in 1 channel mode.

- CHANNEL 1: Fixture Intensity (000 - 255).
- CHANNEL 2: Strobe Control (000 - 127, 128-255)
000 is Strobe OFF, starts slow and increases to fastest at 127. From 128-255 pattern transitions to short light pulses with longer duration between pulses as value rises from 128 to 255.

STAND ALONE MODE

You can operate the unit manually using the R-DIMMER & P-STROBE menu. Use the UP and DOWN buttons to change the level, Push ENTER when done. The range is 000 - 255 (See above for values).

If connecting multiple FXLE3030W fixtures together in stand-alone mode, set the DMX address on additional units to d001 to follow the main fixture.

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DMX-KEEP: ON/OFF

The DMX-KEEP mode determines the characteristic of the fixture upon the loss of the DMX input signal. The LED array will either turn on or off based on the DMX-KEEP setting when DMX signal is lost.

BK-LIGHT: ON/OFF

The backlight for the LCD display remains on at all times if this function is set to ON. When Backlight is set to OFF, then the backlit display will turn off 30 seconds after the last button push on the control panel.

NOW TEMP

Provides operating temperature in °C.

MAINTENANCE AND REPAIR

TROUBLESHOOTING

Fixture will not power up.

- Check that you have power applied to the unit.
- Check the fuse located on the back panel of the fixture.

Unable to control fixture.

- Check that the LCD display currently indicates "DMX-addr".
- Check the LCD display on the fixture; if there is a V after the DMX value, a valid DMX signal is present. If an 'x' is showing, then a valid DMX signal is not present.
- Verify that the fixture is properly addressed.
- Check the DMX control cable for continuity and polarity.
- Remove the fixture from the DMX chain and all other DMX devices.
- Check the address settings or patch at the controller.

CLEANING

DISCONNECT THE POWER CORD BEFORE HANDLING THE UNIT.

A mild detergent can be used sparingly if needed. Apply to cloth first; do not apply detergents directly to fixture. Do not use chemicals or solvents when cleaning the fixture. Ensure that the unit is dry before use.

REPAIR

The only FXLE3030W user serviceable part is a 5 mm x 20 mm externally accessible fuse on the rear panel.

DISCONNECT THE POWER CORD BEFORE CHECKING OR REPLACING THE FUSE.

Replace fuse ONLY with 5.0 Amp, 250VAC, fast acting fuse. Requires a #2 Phillips screwdriver. Use caution to not overtighten.



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 CALCULATIONS

FXLE3030W	10 Foot			20 Foot			30 Foot		
	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux
19°	2.5	2150	23200	5	537.5	5800	7.5	239	2578
26°	4.75	1039	10960	9	279	2950	13.5	125	1345
36°	6.33	533	5740	12.6	143	1545	19	65.4	704
50°	9	279	3000	18	75	807	27	34	368

A graphic banner for the warranty. It features two dark grey banners pointing towards the center, each with the word "LIGHTRONICS" in white. In the center, a dark grey rectangular box contains the word "WARRANTY" in large, white, bold, sans-serif capital letters.

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.