FEATURES AND SPECIFICATIONS

LEDs: 300 Watt 4-in-1 Quad-Color, RGBW array
White Color Temperature: 2950K – 10800K
CRI: 93   CQS: 92
Beam Angle: 19º, 26º or 36º
Control System: DMX512 + Stand Alone
DMX Channels: 4 or 9 channel mode
DMX Connectors: 3 pin XLR I/O
Power Input: 100-230VAC, 50/60Hz
Max. Power Consumption: 330 Watts @ 120VAC
Standby Power Consumption: 6 Watts @ 120VAC
Body Material: All Metal Construction
Body Color: Black or White Available
Reflector: Glass
Gel Frame and Size "B" 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 FXLE30C4N is a four color 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 FXLE30C4N 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 40ºC (104ºF). 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 head cap screws on both sides of body behind the shutter handles. Then 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.
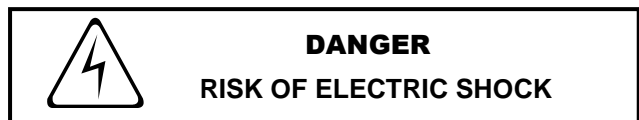

LENS TUBE ADJUSTMENT

To focus beam, loosen the knobs on the top and bottom of the barrel, extend/retract 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 FXLE30C4N 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 FXLE30C4N 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 FXLE30C4N in a system with various other DMX devices.

The FXLE30C4N 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 FXLE30C4N 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:

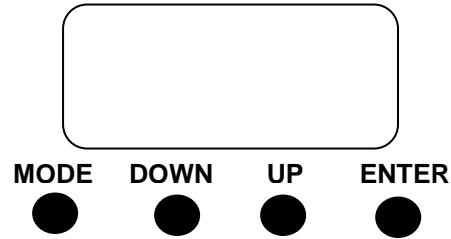| PIN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +
4	NOT USED
5	NOT USED

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).

CONTROL PANEL

MODE   DOWN   UP   ENTER
●   ●   ●   ●

Use MODE to scroll through the available choices. The current setting for the option will be shown. Use UP and DOWN until you reach the desired setting or mode then push ENTER to lock in the new setting.

In case of loss of power to fixture, the fixture will return to the last setting that was locked in with ENTER being pressed.

STAND ALONE MODE

FXLE30C4N MENU OPTIONS		
MENU	Value (D:)	Function
DMX - 9CH	000-512	9 channel start address
DMX - 4CH	000-512	4 channel start address
Jump	00-99	Color Change (speed)
Gradient	00-99	Color Fade (speed)
Pulse	00-99	Fast On/ Slow fade with mix of colors selected below.
Voice Running	Enter on/ Enter off	Sound control
Color R	000-255	Red intensity
Color G	000-255	Green intensity
Color B	000-255	Blue intensity
Color W	000-255	White intensity
Color Temp	2000K-12000K	Color temperature

If connecting multiple FXLE30C4N fixtures together in stand-alone mode, set the DMX address on additional units to d001 to follow the main fixture.

Jump: Colors change with no fade. 15 steps. No color selection required.

Gradient: Colors change with fade. 15 steps. No color selection required.

Pulse: Colors come on quickly and fade out, number of steps vary based on colors chosen from the RGBW selections. Set color intensity to 001-255, but actual

value chosen is irrelevant. 2 colors selected = 12 steps, 3 colors selected = 14 steps. 4 colors selected = 15 steps.

DMX OPERATION

Use the DMX-Addr menu to set the unit DMX starting address. The range is 001 - 512.

Once you select the DMX mode and address, press ENTER to ensure that if power is lost, the fixture will return to the preset DMX mode and address.

The fixture has 2 DMX modes: 4 channel and 9 channel. For proper DMX operation, the highest DMX address setting should be 509 (4 channel mode) and 504 (9 channel mode)

4 CHANNEL DMX ASSIGNMENTS	
DMX CHN	FUNCTION
1	Red Intensity (0-255)
2	Green Intensity (0-255)
3	Blue Intensity (0-255)
4	White Intensity (0-255)

9 CHANNEL DMX ASSIGNMENTS		
DMX CHN	FUNCTION	
1	Overall Intensity (0-255)	
2	Strobe (Speed 0-255) (Color Required)	
3	Effect	0-5: No Effect 6-100: Colors Jump 101-150: Gradient Color Change 151-200: Colors Pulse 201-255: Sound Control
4	Effect Speed (0-255)	
5	Red Intensity (0-255)	
6	Green Intensity (0-255)	
7	Blue Intensity (0-255)	
8	White Intensity (0-255)	
9	Color Temperature 0:Off, 1-255: 2000K-12000K)	

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 the correct DMX channel mode and is addressed properly. If not, select the proper channel mode and address then press ENTER.
- Check the LCD display on the fixture; if there is a flashing decimal after the DMX value, a valid DMX signal is present. If there is not a decimal showing, then a valid DMX signal is not present.
- 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
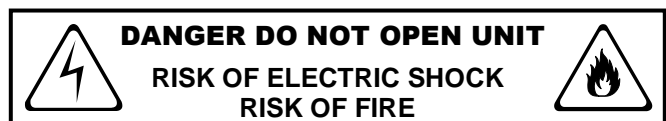
DISCONNECT THE POWER CORD BEFORE HANDLING THE UNIT.

A mild detergent can be used sparingly if needed. Apply to cloth only; 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 FXLE30C4N 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 Philips head screwdriver to access. Use care to not overtighten.

⚠	**DANGER DO NOT OPEN UNIT** **RISK OF ELECTRIC SHOCK** **RISK OF FIRE**	🔥

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.

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PHOTOMETRIC CALCULATIONS

FXLE30C4N	10 Foot			20 Foot			30 Foot		
19°	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux
Red	3.3	294	3050	6.6	64	682	10.5	27	455
Green	3.3	302	3210	6.6	70	758	10.5	30	508
Blue	3.3	492	5200	6.6	113	1226	10.5	50	840
White	3.3	550	5950	6.6	136	1458	10.5	57	966
All Colors	3.3	1535	16120	6.6	366	3920	10.5	158	2580

FXLE30C4N	10 Foot			20 Foot			30 Foot		
26°	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux
Red	4.7	160	1810	9.4	40	443	14.2	18	196
Green	4.7	186	1995	9.4	45	489	14.2	21	228
Blue	4.7	300	3160	9.4	76	824	14.2	34	372
White	4.7	340	3720	9.4	86	936	14.2	39	427
All Colors	4.7	950	10120	9.4	237	2520	14.2	105	1168

FXLE30C4N	10 Foot			20 Foot			30 Foot		
36°	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux	Beam (ft.)	FC	Lux
Red	6.5	89	960	12.9	23	255	19.5	11	121
Green	6.5	99	1100	12.9	27	294	19.5	12	134
Blue	6.5	170	1835	12.9	45	486	19.5	20	223
White	6.5	192	2050	12.9	51	554	19.5	28	309
All Colors	6.5	532	5590	12.9	140	1530	19.5	77	820

WARRANTY

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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.