

FEATURES AND SPECIFICATIONS

LEDs: 300 Watt 4-in-1 Quad-Color, RGBW array
 White Color Temp.: 2950K-10800K
 CRI: 93 CQS: 92
 Beam Angle: 19°, 26° or 36°
 Control System: DMX-512 + 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
 Ingress Protection: IP20 - Indoor Use Only
 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 13.75" W x 22"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 DMX-512 signal.

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

INSTALLATION

LOCATION

Locate the unit indoors 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 head 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 GOBO or FX slot is aligned, retighten screws and knobs.



LENS TUBE ADJUSTMENT

To focus beam, loosen the knobs at 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 #2 Phillips screwdriver, adjust yoke and retighten screws once in desired position.

POWER CONNECTIONS

The FXLE30C4N 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.



**DANGER
RISK OF ELECTRIC SHOCK**

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. Do not power the unit from a dimmer pack. The white turn and lock connector on the unit is used to pass power on to another FXLE30C4N unit. A mating white connector is also provided.

The safety ground pin on the power cord must be used.

When using 120VAC, only connect a maximum of four FXLE30C4N fixtures together with power connectors.

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DMX CONNECTIONS

A system using DMX control should be connected as a chain of devices. In other words, the control signal cable should originate at the controller to the first receiving device and then to others in one continuous chain. An optically isolated DMX splitter is recommended 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

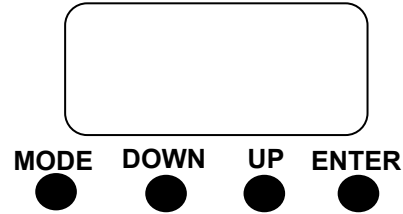
It is recommended that a DMX data chain be terminated at the last receiving device on the chain. This is done by installing a commonly available 1/4 Watt, 120 Ohm resistor across the DATA - and DATA + wires at the last device. If you have only a few fixtures installed very close together and with a short 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 www.lightronics.com

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



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.

MENU OPTIONS

MENU	Value (D:)	Function
DMX - 9CH	001-512	9 channel start address
DMX - 4CH	001-512	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 RGBW colors selected.
Voice Running (Sound Mode)	Enter on/ Enter off	Color change to audio vibrations.
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	9 Presets	Options from 2000K to 12000K.

DMX - 9 ch: Select the DMX start address and press ENTER to set 9 Channel DMX mode. Highest starting address is 504 for full functions. See **DMX Operation**.

DMX - 4 ch: Select the DMX start address and press ENTER to set 4 Channel DMX mode. Highest starting address is 509 for full functions. See **DMX Operation**.

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.

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

Voice Running: The unit responds to sound providing random pulses of color.

Color R: Varies the RED color intensity (0-255).

Color G: Varies the GREEN color intensity (0-255).

Color B: Varies the BLUE color intensity (0-255).

Color W: Varies the WHITE color intensity (0-255).

Color: Nine preset color temperature options at a default intensity. (2000K, 2500K, 3000K, 4500K, 5600K, 6500K, 8000K, 9000K, 12000K).

DMX OPERATION

9 CHANNEL DMX MODE

CHANNEL	FUNCTION	
1	Overall Intensity (0-255)	
2	Strobe (Speed 0-255) (Color Required)	
3	Effect	0-5: Off 6-100: Jump 101-150: Gradient 151-200: 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: variable 2000K-12000K	

Overall Intensity: Controls overall intensity of LED array for functions 2 through 9.

Strobe: Flashes light using color selected from channels 5 through 8 or channel 9.

Effect/Speed: Use channel 3 in conjunction with channel 4 to select the effect and the rate at which the effect is performed (Off/Jump/Gradient/Pulse/Sound).

Red Intensity: Control the intensity of the RED LED array for use alone or when blending with other colors.

Green Intensity: Control the intensity of the GREEN LED array for use alone or when blending with other colors.

Blue Intensity: Control the intensity of the BLUE LED array for use alone or when blending with other colors.

White Intensity: Control the intensity of the COOL WHITE LED array for use alone or when blending with other colors.

Color Temperature: Provides a variable color temperature white LED light. The intensity is controlled by the 'Overall Intensity' setting.

4 CHANNEL DMX MODE

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

Red Intensity: Control the intensity of the RED LED array for use alone or when blending with other colors.

Green Intensity: Control the intensity of the GREEN LED array for use alone or when blending with other colors.

Blue Intensity: Control the intensity of the BLUE LED array for use alone or when blending with other colors.

White Intensity: Control the intensity of the WHITE LED array for use alone or when blending with other colors.

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.

Unable to control fixture.

- Check that the LCD display 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 no decimal is showing, then a valid DMX signal is not present.
- Check the DMX control cable for continuity and

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- polarity.
- Remove the fixture from the DMX chain and all other DMX devices.
- Check the address settings or patch at the controller.

Replace fuse ONLY with 5.0 Amp, 250VAC, fast acting fuse. Requires #2 Philips head screwdriver to access. Use care to not overtighten.



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 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.

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

FXLE30C4N PHOTOMETRIC DATA

19°	10 Foot			20 Foot			30 Foot		
	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

26°	10 Foot			20 Foot			30 Foot		
	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

36°	10 Foot			20 Foot			30 Foot		
	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