

ElektraLite lightStream

USER MANUAL (Version 1.02)



Elektralite (a division of Group One), 70, Sea Lane, Farmingdale, NY11735, U.S.A. T. +1 (631)-396-0184. F. +1 (631)-396-0190 WWW.MYELEKTRALITE.COM

1. Unpacking

Thank you for choosing the **Elektralite lightStream moving light fixture.** For your own safety, please read this manual before installing the fixture. This manual covers important information on installation and applications. Please keep this manual for future reference.

To keep this simple, we are going to refer to the fixture as the **Elektralite lightStream** throughout the manual.

The **Elektralite lightStream** uses a high powered 90 watt led which is run a balanced and conservative arrangement at 60 watts.

Please unpack the **Elektralite lightStream** carefully and check whether it was damaged in shipping. Turn the head both horizontally (Pan) and vertically (Tilt) to make sure all movement is smooth.

The following items should be in the box with the fixture:-

Safety cable

U brackets

2. Safety Instructions.

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual. The **Elektralite lightStream** is a high voltage fixture. Be careful when dealing with high voltages.

Please read this manual. If you do not read this manual and damages occur to the Elektralite lightStream, then it could void the warranty.

During shipping, **Elektralite lightStream** may have been exposed to high temperature or humidity changes. So, as a precaution, do not switch the **Elektralite lightStream** on immediately. Condensation can damage the **Elektralite lightStream** so leave it switched off, until it has reached room temperature.

The electrical connection must be carry out by a qualified person and it is absolutely essential that the **Elektralite lightStream** be **grounded**. This is imperative and is a safety issue. Do not break or bend out of the way, the ground center pin on the plug.

Always disconnect the **Elektralite lightStream** from the power source, when the device is not in use or before cleaning it. Only unplug the **Elektralite lightStream** from the power cord. Never pull out the plug out by pulling on the power cord. Please keep the **Elektralite lightStream** away from children and the general public. Please be intelligent and use common sense when operating the **Elektralite lightStream**.

3. General Guidelines.

The **Elektralite lightStream** is a lighting fixture for professional use on stages, in churches, theatres, etc.

The **Elektralite lightStream** should only be operated at between 120 to 240 volts and only indoors. By 240 volts we mean that the neutral must remain a neutral and NOT be used as one phase in a 120v circuit to create 208 volts across the **Elektralite lightStream**. The reason for this is simple, the neutral is not protected with a fuse. Any problem with that phase will not be protected by the **Elektralite lightStream**.

The **Elektralite lightStream** should not be operated 24/7 (24 hours a day; 7 days a week). The **Elektralite lightStream** needs operation breaks to ensure that it will work for a long time without problems. Please do not shake **Elektralite lightStream** and avoid using brute force when installing or operating it.

When choosing the location to install the **Elektralite lightStream**, please make sure that it is not exposed to extreme heat, moisture or dust. The minimum distance between the **Elektralite lightStream** and the illuminated surface must be more than 3 feet. Always mount the **Elektralite lightStream** with an appropriate safety cable/chain.

Operate the **Elektralite lightStream** only when you are familiar with the features of the fixture. Do not permit operation by persons not qualified to operate it.

All modifications to the Elektralite lightStream will invalidate the warranty. There are absolutely no exceptions. That includes operation of the fixture at 208v using two different 120v phases.

If **Elektralite lightStream** is operated in any way different to the one described in this manual, the **Elektralite lightStream** maybe damaged and the guarantee will be void.

4. Installation

Please ensure that the **Elektralite lightStream** is hung using the appropriate "C" clamps or half cheeseboros and the U brackets that come with the **Elektralite lightStream**. A safety chain or cable should also be used as a secondary point of holding the fixture in case the clamp comes loose. **Never hang the fixture without a safety chain or cable**.

Mount the **Elektralite lightStream** either vertically upright or vertically down. DO not mount the **Elektralite lightStream** sideways. If you are not qualified or have any doubts about hanging the **Elektralite lightStream**, then do **NOT** hang it.

Do not clamp the cable to the U bracket or clamp. That is <u>not</u> a secondary safety point.

A secondary safety point is any point that will adequately hold the **Elektralite lightStream**, if the "U" brackets, "C" clamps or half cheese-boros fail. Then the safety cable would be the backup and stop the **Elektralite lightStream** from falling to the ground. So do **NOT** fix the safety to the same place that the "C"clamps/half cheese-boros are attached.

5. DMX-512 Control Connection

Connect an XLR cable to the female 5-pin XLR output of an **Elektralite CP 16/24** or other DMX controller. The other end should be connected to the male 5-pin XLR input of the **Elektralite lightStream**. Then daisy-chain out of the first **Elektralite lightStream** and into the next **Elektralite lightStream** or other dmx device. Never "Y" split the DMX connection.

If you need more cable, then it should be two core, screened cable fitted with a 5 pin XLR input and output connector. Please refer to the diagram below. (Please remember the DMX signal has a maximum transmission distance of just 300 feet from controller to the last fixture. So don't use 50 foot cables when you only need 10 or 15 foot cable runs).

DMX -output XLR mounting-sockat

DMX -input XLR mounting-sockat



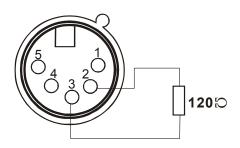
1:Ground 2:Signal(-) 3:Signal(+) 4:N.A. 5:N.A.



1:Ground 2:Signal(-) 3:Signal(+) 4:N.A. 5:N.A.

DMX-512 connection with DMX terminator

For installations where the DMX cable does run a long distance or is in an electrically "noisy" environment, it is recommended that a DMX terminator is used. This helps prevent corruption of the digital control signal. The DMX terminator is simply a 5 pin XLR plug (male) with a 120 Ω resistor connected between pins 2 and 3. It is then plugged into the output XLR socket of the <u>last</u> **Elektralite lightStream** or other dmx device in the chain. Please see illustration below.



6. Channel Values for profiling the Elektralite lightStream.

Channel Values			uiuoo	Name	Min	Max	
St	Ex	Ba 8bit	Ba 16bit			DMX Value	DMX Value
1	1	1	1	Pan	Pan Coarse	0	255
	2		2	Pan fine	Pan Fine	0	255
2	3	2	3	Tilt	Tilt Coarse	0	255
	4		4	Tilt fine	Tilt Fine	0	255
3	5	3	5	Tilt	Tilt Coarse	0	255
	6		6	Tilt fine	Tilt Fine	0	255
4	7	4	7	Movement Speed	fastest to Slowest	0	255
5	8 5		8	Movement	Normal	0	15
				Function	Movement With Blackout between the positions	16	31
					All Tilt Movement	32	47
					Not used	48	255
6	9			Shutter	Normal Shutter Functions	0	15
				Function	Pulse-effect Forward (See ch7)	16	31
					Pulse-effect Reverse (See ch7)	32	47
					Random Strobe (See ch7)	48	63
					Effect (See ch7)	64	95
					Not used	80	255
7	10			Shutter	Normal Shutter Functions		
					Close	0	31
					Strobe Rate (slow to fast)	32	223
					Open	224	255
					Pulse-effect Forward (ch6 must be set at between 16-31)		
					Closed shutter	0	31
					Strobe Rate (slow to fast)	32	223
					Open	224	255
					Pulse-effect Reverse (ch6 must be set at between 32-47)		
					Closed shutter	0	31
					Strobe Rate (slow to fast)	32	223
					Open	224	255
					Random Strobe (ch6 must be set at between 48-63)		
					Closed shutter	000	031
					Strobe Rate (slow to fast)	032	223
					Open	224	255
					Effect (ch6 must be set at between 64-95)		
					Closed shutter	000	031
					Effect Speed (slow to fast)	032	223
					Open	224	255

6. Channel Values for profiling the Elektralite lightStream (Cont).

Ba 8bit 6	9 16bit 9 10 11	Shutter Dimmer Virtual Color	Shutter closed Effect 1 slow to fast Effect 2 slow to fast Strobe effect slow to fast Effect 3 slow to fast Effect 4 slow to fast Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open) Dimmer(Close to Open)	DMX Value 000 032 048 064 096 112 128 160 176 192 224 000	DMX Value 031 047 063 095 111 127 159 175 191 223 255
6	9	Dimmer Virtual	Effect 1 slow to fast Effect 2 slow to fast Strobe effect slow to fast Effect 3 slow to fast Effect 4 slow to fast Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	032 048 064 096 112 128 160 176 192 224	047 063 095 111 127 159 175 191 223 255
7	10	Dimmer Virtual	Effect 1 slow to fast Effect 2 slow to fast Strobe effect slow to fast Effect 3 slow to fast Effect 4 slow to fast Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	032 048 064 096 112 128 160 176 192 224	047 063 095 111 127 159 175 191 223 255
		Virtual	Effect 2 slow to fast Strobe effect slow to fast Effect 3 slow to fast Effect 4 slow to fast Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	048 064 096 112 128 160 176 192 224	063 095 111 127 159 175 191 223 255
		Virtual	Strobe effect slow to fast Effect 3 slow to fast Effect 4 slow to fast Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	064 096 112 128 160 176 192 224	095 111 127 159 175 191 223 255
		Virtual	Effect 3 slow to fast Effect 4 slow to fast Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	096 112 128 160 176 192 224	111 127 159 175 191 223 255
		Virtual	Effect 4 slow to fast Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	112 128 160 176 192 224	127 159 175 191 223 255
		Virtual	Pulse-effect in sequences Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	128 160 176 192 224	159 175 191 223 255
		Virtual	Effect 5 slow to fast Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	160 176 192 224	175 191 223 255
		Virtual	Effect 6 slow to fast Random strobe effect slow to fast No function (shutter open)	176 192 224	191 223 255
		Virtual	Random strobe effect slow to fast No function (shutter open)	192	223 255
		Virtual	No function (shutter open)	224	255
		Virtual	, ,		
		Virtual	Dimmer(Close to Open)	000	ソカカ
2 8	11		N.E. C	000	
		LODO	No Function	000	015
		Function	CTC (Color Temperature Correction) Function	016	031
			Forward Spin (See ch10)	032	047
			Reverse Spin (See ch10)	048	063
			Continuous (See ch10)	064	079
			Color Bounce (See ch10 & ch11)	080	111
				128	255
3 9	12				
		Color 1	CTC (Color Temperature Correction) 2000K→2700K	000	223
			White 3200K	224	231
			White 4200K	232	239
			White 5600K	240	247
			White 8000K	248	255
			Forward Spin (ch9 must be set at between 32-47)		
			Rainbow Effect (Slow → Fast)	000	255
			Reverse Spin (ch9 must be set at between 48-63)		
			Rainbow Effect (Slow → Fast)	000	255
			Continuous (ch9 must be set at between 64-79) & Color Bounce (ch9 must be set at between 80-111)		
			Black out	000	003
			Red=full, Green→up, Blue=0, White=0	004	033
			Red→down, Green=full, Blue=0, White=0	034	063
			Red=0, Green=255 Blue→up, White=0	064	093
			• • • • • • • • • • • • • • • • • • • •	094	123
			,	124	153
			•		183
				184	213
			• 1		243
					245
					247
					249
					251
					255
3	9	9 12	9 12 Virtual Color 1	Color 1 CTC (Color Temperature Correction) 2000K→2700K White 3200K White 4200K White 5600K White 8000K Forward Spin (ch9 must be set at between 32-47) Rainbow Effect (Slow → Fast) Reverse Spin (ch9 must be set at between 48-63) Rainbow Effect (Slow → Fast) Continuous (ch9 must be set at between 64-79) & Color Bounce (ch9 must be set at between 80-111). Black out Red=full, Green→up, Blue=0, White=0	12

6. Channel Values for profiling the Elektralite lightStream (Cont).

Channel Channel				Name	Min	Max					
St	Ex	Ba 8bit	Ba 16bit	-		DMX Value	DMX Value				
11	14	10	13	Virtual	Color Bounce (ch9 must be set at between 80-111).						
				Color 2	Black out	000	003				
					Red=full, Green→up, Blue=0, White=0	004	033				
					Red→down, Green=full, Blue=0, White=0	034	063				
					Red=0, Green=255, Blue→up, White=0	064	093				
					Red=0, Green→down, Blue=255, White=0	094	123				
					Red=0, Green=0, Blue=255, White→up	124	153				
					Red=0, Green=0, Blue→down, White=255	154	183				
					Red→up, Green=0, Blue=0, White=255	184	213				
					Red=255, Green=0, Blue=0, White->down	214	243				
					Red	244	245				
					Green	246	247				
					Blue	248	249				
					White	250	251				
					Blended white using all colors	252	255				
12	15	11	14	LED 1	Black out	000	003				
					Going through the colors from red→green→blue→white	004	243				
					Red	244	245				
				Also known as (Color A)	Green	246	247				
					Blue	248	249				
					White	250	251				
					Blended white using all colors	252	255				
13	16	12	15	LED 2	Black out	000	003				
					Going through the colors from red→green→blue→white	004	243				
					Red	244	245				
					Green	246	247				
				Also	Blue	248	249				
				known as (Color B)	White	250	251				
				(00.0. 2)	Blended white using all Colors	252	255				
14	17	13	16	LED 3	Black out	000	003				
					Going through the colors from red→green→blue→white	004	243				
					Red	244	245				
					Green	246	247				
				Also	Blue	248	249				
	known as (Color C) White	250	251								
				(00.0.0)	Blended white using all colors	252	255				
15	18	14	4 17	LED 4	Black out	000	003				
					Going through the colors from red→green→blue→white	004	243				
					Red	244	245				
					Green	246	247				
				Also	Blue	248	249				
				known as (Color D)	White	250	251				
								(3301 D)	Blended white using all colors	252	255

6. Channel Values for profiling the Elektralite lightStream (Cont).

Channel				name	Function		Max DMX								
St	Ex	Ba 8bit	Ba 16bit			DMX Value	Value								
16 19 15 18		18	LED 5	Black out	000	003									
					Going through the colors from red→green→blue→white	004	243								
					Red	244	245								
					Green	246	247								
				Also known as	Blue	248	249								
				(Color E)	White	250	251								
					Blended white using all colors	252	255								
17	20	16	19	LED 6	Black out	000	003								
					Going through the colors from red→green→blue→white	004	243								
					Red		245								
				Also known as	Green	246	247								
					Blue	248	249								
				(Color F)	White	250	251								
					Blended white using all colors	252	255								
18	21	17	20	Control	Normal	000	007								
					Reset All See below	008	015								
					Pan & Tilt Reset See below	016	023								
					Not used	024	031								
													Not used	032	039
					Not used	048	055								
					Display Off	056	063								
					Display On	064	071								
					Not used	072	079								
					Not used	080	087								
					Hibernation (see menu section 7 for explanation of hibernation)	088	095								
					Not used	096	255								

There is a choice of 4 modes that the **ElektraLite lightStream** can operate.

The default channel configuration out of the box, is Standard Mode (St) using a total of 18 channels of DMX.

Extended mode (Ex) uses 21 channels.

Basic 8bit mode (Ba 8bit) uses 17 channels.

Basic 16bit mode (Ba 16bit) uses 20 channels.

Reset

Holding the dmx output at the level required will start a reset. However if the output is kept at this level and not returned to some other value outside the dmx range for the reset, then the fixture will constantly do resets! So, once the reset starts take the channel output to 000.

7. Operational Tips. (In Standard Mode).

A). In order to have output from the leds. The shutter (ch 7) and dimmer (ch 8) must be outputting (>001 dmx) plus any of the individual led channels (ch 12 through to 17) must be outputting >001 dmx.

So if all 6 leds are needed full on in Red; take ch 7 and 8 to 255dmx and then take channels 12 through 17 to either 006dmx or 244dmx.

From 006dmx to 244dmx then leds crossfade through colors in the order of red→green→blue→white.

B). Shutter function (ch6) with shutter (ch7).

When a specific shutter function is chosen then that function becomes "active" when the corresponding shutter is applied. For example. Pulse-effect Forward for the shutter is achieved by setting channel 6 between 016dmx - 031dmx and then ch7 becomes the speed control for the Pulse-effect Forward. 000dmx value being the slowest speed and 255dmx being the fastest speed.

C). Virtual Color function (ch9) with Virtual Color 1 (ch10) or 2 (ch11).

When a specific color function is chosen then that function becomes "active" when the corresponding virtual color is applied. For example. Forward spin for all the colors is achieved by setting channel 9 between 032dmx - 047dmx and then ch10 becomes the speed control for the forward spin. 000dmx value being the slowest speed and 255dmx being the fastest speed. Color bounce has a twist to its operation. What is happening is that the fixture "bounces" between two colors. The operator has to use both ch10 and ch11 to set up the two colors.

7. Menus

Con	DMX Address①	XXX		DMX address setting		
;ht	Max Temperature①	80~139°C, 90°C /176~282°F, 194°	Lamp off if temperature continuously over for 5 minutes			
Light	Lamp Adjust①	PANCONTROL	Adjust value of ALL channels individually			
	Time Info.	Current XXXX(Hours) Fixture Life XXXX(Hours)	Fixture boot time Fixture total run time			
uc	Temperature	Near Lamp Temp (depends on fix	Temperature Sensors			
atic	Fans Speed	Near Lamp Fan (depends on fixtu	*	Fan speed Sensors		
LIM	Channel Value	PANCONTROL	/	Display value of channel		
Information	Error Message	Pan,Tilt		Error channels		
li I	Fixture Model	ElektraLite LightStream		Display model brand and model		
	Software Ver	1U01 V1.0.00 & 2U01 V1.0.00		Version of each IC		
	Reset	All		Reset all		
		Pan & Tilt		Reset Pan & Tilt		
	Movement	Pan Reverse(1)	ON/OFF	Pan Reverse		
		Tilt Reverse①	ON/OFF	Tilt Reverse		
		Pan Degree 1	630/540	Choose Pan Degree		
		Encoders 1	ON/OFF	Encoder wheel on/off		
		Pan/Tilt Mode①	Standard/Smooth	Choose pan/tilt mode		
	UI Set	Mic Sens. ③	0~99%,60%	Sensitivity of Mic		
		No Signal①	Close/Hold/Auto/Music	Mode when no signal		
		Temperature. C/F①	Fahrenheit /Celsius	Temperature at °C/°F		
		Fans Mode①	Auto Speed /High Speed	Fans mode		
		Hibernation 1	OFF, 01M~99M, 15M	If the controller is off and so no dmx is		
				transmitting, then the fixture can be set		
				to go into this "Sleep mode". While the		
Set				fixture is "on", the fans/electronics etc.,		
				are not.		
		Backlight(1)	02~60m 02m	Show backlight time		
		Flip Display①	ON/OFF	Display 180° reverse		
		Display Bright®	00~31 10	Display Brightness		
		Brand Show①	ON/OFF	Show brand name or not		
		Key Lock①	ON/OFF	Key lock on/off		
		Language③	En/简/繁/Fr/Sp	Language Select		
	Users	User Mode①	Standard	Standard mode		
			Extended	Extended mode		
			Basic-8bit	Basic-8bit mode		
			Basic-16bit	Basic-16bit mode		
			User	User program mode		
		Edit User③	Max Channel = XX	Change the DMX chs for any function.		
			PAN = CH01			

7. Menus (cont).

7. IVI	enus (co						
	Calibrati	on 3	-Password-		=XXX	Password: 050	
			Pan		=XXX	Calibrate channel value	
	Fixture I	D3	Name			Name	
Set			-Passwo	ord-		Password: 050	
Š			PID Code			Set PID of RDM	
	Reload I	Default	Basic R	eload(1)	ON/OFF	Basic Reload	
			Program	n Reload(②)	ON/OFF	Program Reload	
			Passv	vord	XXX	Password: 050	
			Private	Reload(③)	ON/OFF	Private Reload	
		1	All Rel	pad	ON/OFF	All Reload	
	Play(1)	DMX Receive				DMX Receive	
		Slave Receive		Slave Receive 1		Choose slave position	
		Sequence (Chase)		Master / Stand	Alone	Run Sequence	
		Music		Master / Stand	Alone	Music mode	
	Select	Chase Part 1		Chase $1 \sim 8$ Ch	nase 1	Select and run 1 of the 8 chases	
	Chase Chase Part 2 (only used for		slave 2) Chase $1 \sim 8$ Ch		nase 2	available in Chase Part 1. Chase	
	2	Chase Part 3 (only used for	slave 3)	Chase 1 ~ 8 Chase 3		Part 2 & 3 ONLY work if the	
						fixture is set to either slave 2 or 3	
						respectively.	
	Edit	Chase 1 thru		Chase Test		Tests out the chase. It displays	
	Chase 8 are					the step and scene being used.	
	2	available				This makes finding the step and	
В						thus scene to edit much easier.	
Program				Step 01	= Scene #1 thru #250	Each chase step can have one	
301				\downarrow	= Scene #1 thru #250	scene saved to it. There are a total	
P				Step 64		of 250 scenes that can be made.	
	Edit	Edit Scene 001		Pan,Tilt,	Any channel can be manually modifed	Use the ↑↓ & Enter	
	Scenes	~ Edit Scene 250			manuarry mouncu		
	2			Fade Time	Expressed in seconds	The time to X-fade between	
						scenes.	
				Scene Time	Expressed in mSec.	Time a scene is "played"	
					So $00.500 = \frac{1}{2} \sec$		
				DMX Input	Input from an external	Press Enter will record	
					Controller.	the scene into the LightStream	
	Scenes	ScXX=>ScXX				For copying Scenes	
	Record						

Note:

- 1. Reload explanation: There are three types of reload.
 - "Basic Reload" will reload all function marked with ①
 - "Program Reload" will reload all function marked with 2
 - "Private Reload" will reload all function marked with ③
 - "All Reload" will reload functions marked with 1, 2, 3

8. Maintenance

Now ignoring maintenance and cleaning is very good way of creating problems "down the road" and many companies and installations do just that. However the net result is, no matter what the fixture, premature failure!

Changing the oil in a car most people do on a regular basis.

So with the fixtures, regular maintenance is an excellent practice, if you want the fixtures to last.

So what is the maintenance for the fixture?

Clean the fans! That's really it!

Use a small vacuum cleaner and suck the dust and "fur balls" out.

Do not use a can of co². That will just blast the dust and dirt everywhere!

The fans keep the led cool and also keep the electronics cool too.

Without the fan working efficiently and dust free, the fixtures will fail and that will be a lot more costly than having someone vacuum the fixtures on a regular basis.

How often should the fans be cleaned? It depends on where the fixtures are; in a very dusty atmosphere once a week. So check the fans on a regular basis, it may not need cleaned every week but a quick "visual inspection" should be done.

The front lens should be cleaned so the light output is maintained. Use only a moist lint-free cloth. Never use alcohol or solvents to clean the fixture.

9. Technical Specification.

- Operating voltage 100 250v (where the Neutral is always a Neutral not a different phase)
- Frequency 50 60 Hertz
- Fan cooled
- Length 18.25" (widest point) x Height 15.25"
- Length 463.6mm (widest point) x Height 387.5mm
- 21 pounds 10kgs (out of box)
- 26 pounds 12kgs (in box)



ElektraLite is a division of Group One. Group One and its divisions are constantly improving their product range and we reserve the right to make changes without prior notice.

Other Products.

ElektraLite has other great products that are manufactured under the ElektraLite product line.

Go check out the website at www.myelektralite.com

A preview of the products include:-

ElektraLite Audience Blinder



Using 144 x 5watt warm white or cool white leds, Check out the website for light output figures! This is the first true LED audience blinder!

The Elektralite 1018



Using 18 high powered 12 watt leds, the ElektraLite 1018 is available using 4-in-1 or 6-in-1 leds.Each led can produce any combination of colors as each led is either an RGBW or RGBWAI device.





Using 7 high powered 12 watt leds, the ElektraLite eyeBall uses either 4-in-1 or 5-in-1 leds.

Each led can produce any combination of colors as each led is either an RGBW or RGBWA device.