Elektralite

RGBA Dazer

USER MANUAL

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1. Unpacking

Thank you for choosing the **Elektralite RGBA Dazer** 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 RGBA Dazer** throughout the manual.
The **Elektralite RGBA Dazer** fixture uses 36 high powered 5 watt leds in a balanced arrangement giving incredible output.
Please unpack it carefully and check whether it was damaged in shipping.
The following items should be in the box with the fixture:- Gel frame, safety glass and safety cable.

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 RGBA Dazer** 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 RGBA Dazer, then it could void the warranty.
During shipping, the **Elektralite RGBA Dazer** may have been exposed to high temperature changes or humidity changes. So, as a precaution, do not switch the **Elektralite RGBA Dazer** on immediately. Condensation can damage the **Elektralite RGBA Dazer** so leave the **Elektralite RGBA Dazer** switched off until it has reached room temperature. The **Elektralite RGBA Dazer** is an **INDOOR** operational fixture. Do **not** operate this fixture **outdoors** or anywhere there is high **humidity.**
The electric connection must carry out by a qualified person and it is absolutely essential that the **Elektralite RGBA Dazer** be **grounded**. So under no circumstances break off the ground pin on the Edison plug or use the fixture where a ground is not present. A ground pin, like the fuse for the **Elektralite RGBA Dazer** is there for safety.

Always disconnect the **Elektralite RGBA Dazer** from the power source, when the fixture is not in use or before cleaning it. **Elektralite RGBA Dazer** Never pull out the Edison plug out by just pulling on the power cord itself.

Please keep the **Elektralite RGBA Dazer** away from children and the general public. Please be intelligent and use common sense when operating the **Elektralite RGBA Dazer.**

3. General Guidelines.

Elektralite RGBA Dazer is a lighting fixture for professional use on stages, in clubs, theatres, churches etc.
Elektralite RGBA Dazer should only be operated at between 120 to 240 volts and only indoors.
Elektralite RGBA Dazer should not be operated 24/7 (24 hours a day; 7 days a week). **Elektralite RGBA Dazer** needs operation breaks to ensure that it will work for a long time without problems. Please do not shake the **Elektralite RGBA Dazer** and avoid using brute force when installing or operating it.
When choosing the location to install the **Elektralite RGBA Dazer**, please make sure that it is not exposed to extreme heat, moisture or dust and never install it outdoors. Make sure that the fixture has a good amount of free space around it for air flow. Do not install it in a confined space or have insulation around the fixture. The minimum distance between the **Elektralite RGBA Dazer** and the illuminated surface must be more than 3 feet.
Always mount the **Elektralite RGBA Dazer** with an appropriate safety cable.
Operate the **Elektralite RGBA Dazer** only when you are familiar with the features on the fixture. Do not permit operation by persons not qualified.
All modifications to the **Elektralite RGBA Dazer will invalidate the warranty. There are absolutely no exceptions.**
If **Elektralite RGBA Dazer** is operated in any way different to the one described in this manual, **Elektralite RGBA Dazer** maybe damaged and the guarantee will be void

4. Installation

Please ensure that the **Elektralite RGBA Dazer** is hung using the appropriate "C" clamp or half cheeseboro. 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. Make sure the Gel frame (Gel holder) is clipped into position correctly and cannot come loose.

If you are not qualified or have any doubts about hanging the **Elektralite RGBA Dazer** then do **NOT** hang it.

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

A secondary safety point is any point that will adequately hold the **Elektralite RGBA Dazer** if the "C" clamp or half cheesboro fails. Then the safety cable would be the backup and stop the fixture from falling to the ground. So do **NOT** fix the safety cable to the same place that the "C"clamp is attached.

Installation during construction.

Many times fixtures are installed during the construction phase of a building. It is imperative that the fixture is protected during this phase. A lot of dust is usually created. This dust can adversely affect the fixture. Specifically, of course, in coating the lenses and therefore reducing the output. However much more seriously, dust, like sheetrock dust, can get inside the fan bearings especially if the fixture is being operated during construction. Sheetrock dust, mixed with the grease of the fan motor, will result in the fan's premature failure and that is not covered under the fixture's warranty. It is therefore strongly advised to keep the fixtures covered up during the construction phase and not used.

5. Grounding.

Always make sure that there is sufficient grounding (earth) for the fixture. This is not only imperative within the circuit that the fixture is being connected to, but also make sure there is sufficient grounding into the building. All fixtures regardless of manufacturer have a surge at initial "turn-on". Once initial "turn-on" is complete, the surge current (per fixture) will travel down the ground. While each 20 Amp circuit may have the correct size of ground wire, the ground input to the building and/or electrical panel may not be sufficient for the job. Please review this with the electrical contractor. The **elektraLite RGBA Dazer** has a surge current over and above its operating current of approximately 2 Amp at 120 volts. If an installation has 100 Dazers that means 200 Amps needs to be dissipated through the GROUND WIRING. If there is a lack of a sufficiently big enough ground cable into the building or on the individual circuits it can cause severe damage to the fixture and this is **not** covered under the warranty.

One further check : the ground to neutral voltage for each circuit. In a lot of buildings, voltages across these can damage fixtures or cause operational problems both for the fixture and DMX.

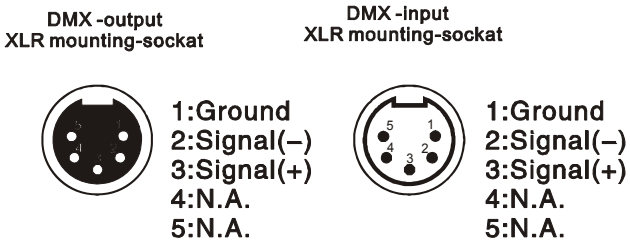
Please review these two important points with a qualified electrical contractor. If in any doubt, have an independent qualified third party electrical contractor check the installation, **well before** commencing installation.

Circuit Limitation :-

There should be no more than 5 **RGBA Dazers** on a 20 amp 120 volt circuit, having no other load on it. That means to say a, maximum of 5 **RGBA Dazers** are on a 20 amp 120 volt circuit with nothing else plugged into that circuit.

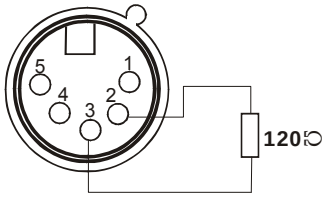
6. DMX-512 Control Connection

Connect an XLR cable to the female 5-pin XLR output of your **Elektralite CP 20** or other DMX controller. The other end should be connected to the male 5-pin XLR input of the **Elektralite RGBA Dazer**. Then daisy-chain out of the first **Elektralite RGBA Dazer** into the next **Elektralite RGBA Dazer** 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



DMX-512 connection with DMX terminator

For installations where the DMX cable has to 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 last **Elektralite RGBA Dazer** or other dmx device in the chain. Please see illustration below.



7. Menus in the fixture.

Root Menu	Sub Menu 1	Sub Menu 2
STAT (STATIC LOOK)	R(ED)	0-255
	G(REEN)	0-255
	B(LUE)	0-255
	A(MBER)	0-255
	S(STROBE)	0-255
AUTO (AUTOMATIC)	AT 01 THROUGH TO AT10	
	PR 01 THROUGH TO PR10	
RUN	DMX	
	STMT	
DMX	ASSIGN DMX CHANNEL	1-512
PERS (PERSONALITY)	STAG(E)	
	ARC1	
	AR1 D	
	AR1 S	
	HSV	
ID	ID 01 THROUGH 255	
EDIT	PR01	SC01 THROUGH TO SC99
(MAKING OWN AUTO	PR02	SC01 THROUGH TO SC99
SCENES)	PR03	SC01 THROUGH TO SC99
	PR04	SC01 THROUGH TO SC99
	PR05	SC01 THROUGH TO SC99
	PR06	SC01 THROUGH TO SC99
	PR07	SC01 THROUGH TO SC99
	PR08	SC01 THROUGH TO SC99
	PR09	SC01 THROUGH TO SC99
	PR10	SC01 THROUGH TO SC99
SET	UPLD	Password required See **16. KEY**
	DV	
	RGBA	
	DIM	
	ID	
	REST (RESET)	
CAL1	WT01 THROUGH TO WT11	
CAL2	RGBA	
KEY	OFF	
	ON	

8. Static Look.

The **Elektralite RGBA Dazer** can be set to a single static look quickly.
Use the Menu button to get to STAT.
Press Enter.
The next screen will read R000. This is addressing the RED leds.
If Red is to be in the static look, then use the ↑ or ↓ to increase the value of the red.
Numbers are expressed in DMX values so 0 is no output and 255 is highest output.
Press Enter to save the value.
The screen will automatically advance to the next color Green.
If Green is to be in the static look, then use the ↑ or↓ to crease the value of green.
Press Enter to save the value.
The screen will automatically advance to the next color Blue.
If Blue is to be in the static look, then use the ↑ or↓ to crease the value of blue.
Press Enter to save the value.
The screen will automatically advance to the next color Amber.
If Blue is to be in the static look, then use the ↑ or↓ to crease the value of blue.
Press Enter to save the value.
The screen will automatically advance to the strobe function.
If the strobe function is to be in the static look, then use the ↑ or↓ to crease the value of strobes flash rate.
Press Enter to save the value.
This is the last entry and the static look is complete. Pressing the Enter key just continues around if you need to make fine adjustments to the color of the static look.
Do not press MENU as this will get you out to the Root directory and out of the static look.

9. Auto Programs.

The **Elektralite RGBA Dazer** can be set to run some inbuilt programs.
There are two types of programs in the **Elektralite RGBA Dazer**
AT 01 to AT10 are fully pre-programmed and cannot be altered.
PR01 to PR10 are pre-programmed and can be edited
To run a program use the Menu button to get to AUTO.
Press ENTER.
Use the ↑ or ↓ key to get to the program. Press Enter.
The program will start running.

10. Run Mode.

Run allows the fixture to operate in either DMX or STMT.
DMX Mode is where control of the fixture is via the industry standard DMX signal.
Further, when the DMX signal is lost, the fixture will maintain the last refresh of the DMX signal prior.
This way the facility is not plunged into total darkness.
In STMT Mode, when the DMX signal is lost, the fixture will go to whatever the output values are set at in the STATIC LOOK.
STMT mode is good in an emergency.

> If the fixtures are in a venue that needs, in an emergency, the lights to come FULL ON, then engage STMT mode and also make sure that the STATIC LOOK is set such that all leds are at 255. (See #8 Static Look above).

Using the Menu button in the root menu go to **RUN**.
Press Enter to get to DMX mode. Press Enter again to save the RUN mode as DMX.
A "ok" will appear and then the display will return to display **RUN**.
If the fixture is to be run in STMT mode, then when DMX mode appears on the screen instead of pressing enter use the ↑ or ↓ to get to STMT. Then press enter to save the STMT mode setting.

11. DMX 512 Setting (address).

Sets up the address for the dmx.
Using the Menu button in the root menu go to **DMX**
Press Enter to get into DMX menu and the display will read the current dmx channel.
The display will read for example **d.001**
This means the fixture's current address is **001**
To change it, use the ↑ or ↓ buttons to get to the correct address.
Press Enter to save the dmx address. The display will momentarily display the word "OK" and then go back to the DMX menu.
To exit out to the root directory, use the menu button.

12. Fixture Personality.

There are several different choices on how the fixture will operate.
What these "Personalities" do in terms of their channel assignments is detailed in the tables on pages 12 and 13.
To change a Personality use the Menu button to get to **PERS**
Press Enter then using the ↑ or ↓ buttons go to the personality required.
Press Enter to save the Personality.
The one Personality not defined in the tables is **STAG. STAG** is short for STAGE and it is the full dmx number of channels as detailed in the DMX Channel Assignments shown on pages 12 and 13. The full dmx number of channels is 11.

13. ID Address.

An **Elektralite RGBA Dazer** can be addressed (controlled) through the dmx or instead it can have its own unique ID address.
There are a total of 255 different ID addresses from 1 to 255.
To set up the address for a fixture, use the Menu button in the root menu go to **ID**
Press Enter and then using the ↑ or ↓ buttons,to select the ID address.
Press Enter to save the address.
For the ID address to work you must chose a personality that uses the ID. For example STAG or AR1d.
This allows you to access the ID address system on channel 4.
Set the DMX address to d.001 for the fixture. So if ID address 123 is chosen then go to channel 4 on the lighting board and set the level at 123. You will then be controlling only fixture(s) with ID address 123.

14. Edit

The Edit function allows the 10 of the inbuilt programs to be edited and customized.
The programs that can be edited are PR01 through PR10.
Each of the programs can have up to 99 scenes (SC01-SC99).
Each scene has 5 components that can be edited on the fixture.
They are the Red leds, the Green leds, the Blue leds, the time the scene is "played" and whether the scene has a crossfade or just "snaps" in.
In the edit menu, the following is the flow diagram for programming.

EDIT→PR01→SC01→R001-R255 (Red)
↓
G000-G255 (Green)
↓
B000-B255 (Blue)
↓
A000-A255 (Amber)
↓
T000-T255 (Time the scene is "active".
001=1 second. 255=255 seconds).
↓
F000-F255 (Fade time for the scene.
001=1 second. 255=255 seconds).

→ = Enter and ↓ = Enter in the flow diagram above.

When a component is chosen, for example the Red, the display will automatically show the current dmx value. The fixture will output the color that the RGBA is set to for that scene.
Use the ↑ or ↓ buttons to change the value of the output for that color. Once the correct value is found for the Red (for example R165), pressing Enter automatically advances to the next component which is G (Green). Press enter if the Green dmx value is to remain the same or use the ↑ or ↓ buttons to change. This process is repeated for Blue, Amber, Time and Fade. Pressing Menu at any time will exit out of the Edit function.
So if the Program is just 4 scenes long how do you stop the fixture from going ad nauseam through all 99 scenes? Once the last scene is programmed then the scene following must be adjusted so all components are at 0. So R must be at R000, G at G000, B at B000,T at T000 and finally F at F000.

15. SET. (Set has several Sub Menus which allow functions to be used).

1). **UPLD.** Custom programs can be uploaded from a master fixture into a slave fixture.
First:- connect the fixtures to power and have a dmx cable going from the Master (dmx out) to the Slave (dmx in).
Second:- using the Master fixture. Go through the Root Menu until **Set**. Press Enter and then use the ↑ or ↓ buttons to get to UPLD. Press Enter. The display will have 4 dots across the bottom. The password needs to be entered. The password is the following sequence using the ↑ and ↓ buttons.
↑ ↓ ↑ ↓ press Enter once complete. The upload with start immediately.
The upload average time for transmission is about 30 seconds.
While the upload is in progress the display will be flashing in YELLOW.
Once upload is complete and successful the word END will appear in green
If there is a problem, red will be the color noted.
Several fixtures maybe linked together in the master/slave scenario and programmed simultaneously.

2). **REST**
This resets all values to their default.
Go through the Root Menu until **Set**. Press Enter and then use the ↑ or ↓ buttons to get to REST. Press Enter. The display will have 4 dots across the bottom. The password needs to be entered. The password is the following sequence using the ↑ and ↓ buttons.
↑ ↓ ↑ ↓ press Enter once complete. The display will read OK followed by a return to the REST sub menu. The Menu button will need pressing to return to the Root Menu. Only once at the Root Menu will the dmx control function. Please note the Reset also takes the dmx address back to 001.

3).**ID.**
ID must be turned ON for it to work from the lighting controller.
So, if in STAG mode you want dmx channel 11 (the ID) to work, it must be turned on in this submenu.
Go through the Root Menu until **ID.** Press Enter and then use the ↑ or ↓ buttons to get to either OFF or ON. Once chosen, press Enter to save the setting and then Menu to exit out back to the Root Menu.

4). **DIM**
The Dim function allows different Dimmer curves to be chosen. There are 5 choices.
Choice 1 :- this is Dim off. The Dimmer curve is 0 which means any change in dimmer level is instantaneous.
Choice 2:- Dim 1. The dimmer curve has the shortest fade in and fade out time.
Choice 3:- Dim 2. The dimmer curve has the 2nd shortest fade in and fade out time.
Choice 4:- Dim 3. The dimmer curve has the 3rd shortest fade in and fade out time
Choice 5:- Dim 4. The dimmer curve has the longest fade in and the fade out time.
To access the DIM function go through the Root Menu until **DIM** is found. Press Enter and then use the ↑ or ↓ buttons to get to the DIM choice required.
Please note the DIM function under the Set menu in the fixture does not work when in the STAG mode.
When is STAG mode you can operate/access the DIM function directly through channel 10 on your lighting controller.

5).**RGBA**

The **RGBA** setting allows the ability to calibrate the white achieved when mixing RGBA.

When **RGBA** is set to OFF, the output when Red, Green, Blue and Amber is at maximum is 255 for all four colors. By definition this combination produces a white with a blue tinge which affects all other colors if cameras and other video equipment are "keyed" to this.

When **RGBA** is set to ON, the output can be white balanced to whatever looks good on camera, for example. It also serves to balance the white into a "warm" white which makes people look a lot better when they are in the light!

See Cal 2, for how to calibrate the white when the **RGBA** is turned ON.

To turn **RGBA** either OFF or ON, go through the Root Menu until **RGBA.** Press Enter and then use the ↑ or ↓ buttons to get to either OFF or ON. Once chosen, press Enter to save the setting and then Menu to exit out back to the Root Menu.

6). **DV**

The **DV** setting allows the ability of the leds to not flicker when using video camera.

The choices are NTSC or PAL. NTSC is the USA system.

To set the **DV** setting, go through the Root Menu until **DV**. Press Enter and then use the ↑ or↓ buttons to get to either NTSC or PAL. Once chosen, press Enter to save the setting and the Menu to exit back to the Root Menu.

16. KEY

The Key function is an access password for the fixture. The **KEY** can be turned OFF or ON which then deactivates or activates the password.

To set the **KEY** go through the Root Menu until **KEY,** press Enter and use the ↑ or ↓ to set the **KEY** to either OFF or ON. If the **Key** is turned ON then a password is required to go into sensitive Menus and to change functions.

The password is ↑ ↓ ↑ ↓ (Up + Down + Up + Down)

17. Glass front plate.

Certain fixtures come with a glass plate. This glass plate fits onto the front of the leds. It slots in the gel frame holder and the clip latches the plate into position.

18. The Personalities of the RGBA Dazer.

(for the personality **STAG** please refer to the DMX channel assignments on pages 12 & 13.
STAG uses all 11 channels as shown in the dmx channel assignment table).

ARC1

1	0-255	RED
2	0-255	GREEN
3	0-255	BLUE
4	0-50	Linear dimmer speed（DIM=OFF）
	51-100	nonlinear speed1（DIM1）
	101-150	nonlinear speed 2（DIM2）
	151-200	nonlinear speed 3（DIM3）
	201-255	nonlinear speed 4（DIM4）

AR1 D

1	0-255	MASTER DIMMER
2	0-255	RED
3	0-255	GREEN
4	0-255	BLUE
5	0-50	Linear dimmer speed（DIM=OFF）
	51-100	nonlinear speed 1（DIM1）
	101-150	nonlinear speed 2（DIM2）
	151-200	nonlinear speed 3（DIM3）
	201-255	nonlinear speed 4（DIM4）

AR1 S

1	0-255	MASTER DIMMER
2	0-255	RED
3	0-255	GREEN
4	0-255	BLUE
5	0-255	STROBE
6	0-50	Linear dimmer speed（DIM=OFF）
	51-100	nonlinear speed 1（DIM1）
	101-150	nonlinear speed 2（DIM2）
	151-200	nonlinear speed 3（DIM3）
	201-255	nonlinear speed 4（DIM4）

ARC2		
1	0-255	RED
2	0-255	GREEN
3	0-255	BLUE
4	0-255	AMBER
5	0-50	Linear dimmer speed（DIM=OFF）
	51-100	nonlinear speed 1（DIM=1）
	101-150	nonlinear speed 2（DIM=2）
	151-200	nonlinear speed 3（DIM=3）
	201-255	Nonlinear speed 4（DIM=4）

ARC2+D		
1	0-255	MASTER DIMMER
2	0-255	RED
3	0-255	GREEN
4	0-255	BLUE
5	0-255	AMBER
6	0-50	Linear dimmer speed（DIM=OFF）
	51-100	Nonlinear speed 1（DIM1）
	101-150	Nonlinear speed 2（DIM2）
	151-200	Nonlinear speed 3（DIM3）
	201-255	Nonlinear speed 4 (DIM4)

ARC2+S

1	0-255	MASTER DIMMER
2	0-255	RED
3	0-255	GREEN
4	0-255	BLUE
5	0-255	AMBER
6	0-255	STROBE
7	0-50	Linear dimmer speed（DIM=OFF）
	51-100	nonlinear speed 1（DIM1）
	101-150	nonlinear speed 2（DIM2）
	151-200	nonlinear speed 3（DIM3）
	201-255	nonlinear speed 4（DIM4）

HSV

1	0-255	H hue
2	0-255	S saturation level
3	0-255	V brightness
4	0-50	Linear dimmer speed（DIM=OFF）
	51-100	nonlinear speed 1（DIM1）
	101-150	nonlinear speed 2（DIM2）
	151-200	nonlinear speed 3（DIM3）
	201-255	nonlinear speed 4（DIM4）

19. DMX Channel Assignments.

1	Grand Master for RGBA	0-255
2	**RED** Leds (or chase speed when anyone of PR01 thru PR10 in Ch08 is operational)	0-255
3	**GREEN** Leds (or cross fade time when anyone of PR01 thru PR10 in Ch08 is operational)	0-255
4	**Blue** Leds	0-255
5	**Amber Leds**	0-255
6	No effect	0-010
	Snap to Red 255	011
	Crossfade Red 255→000 Green 000→255	012-050
	Crossfade Green 255→000 Blue 000→255	051-090
	Crossfade Red 000→255 Blue 255→000	091-130
	Crossfade Red 255→000 **Amber** 000→ 255	131-150
	Crossfade Blue 000→255 **Amber** 255→ 000	151-170
	Snap to Red 255 Green 255 Blue 255 **Amber** 255	171-200
	Snap to White 1 (approximately 3200ºK)	201-205
	Snap to White 2 (approximately 3400ºK)	206-210
	Snap to White 3 (approximately 4200ºK)	211-215
	Snap to White 4 (approximately 4900ºK)	216-220
	Snap to White 5 (approximately 5600ºK)	221-225
	Snap to White 6 (approximately 5900ºK)	226-230
	Snap to White 7 (approximately 6500ºK)	231-235
	Snap to White 8 (approximately 7200ºK)	236-240
	Snap to White 9 (approximately 8000ºK)	241-245
	Snap to White 10 (approximately 8500ºK)	246-250
	Snap to White 11 (approximately 10000ºK)	251-255
7	Strobe effect	000-255
8	No effect/function	000-040
	AT 01 (Automatic program 01)	041-070
	AT 02 (Automatic program 02)	071-080
	AT 03 (Automatic program 03)	081-090
	AT 04 (Automatic program 04)	091-100
	AT 05 (Automatic program 05)	101-110
	AT 06 (Automatic program 06)	111-120
	AT 07 (Automatic program 07)	121-130
	AT 08 (Automatic program 08)	131-140
	AT 09 (Automatic program 09)	141-150
	AT 10 (Automatic program 10)	151-160
	PR01 (programmable Automatic program 01)	161-170
	PR02 (programmable Automatic program 02)	171-180
	PR03 (programmable Automatic program 03)	181-190

20. DMX Channel Assignments (Cont.)

8 (cont)	PR04 (Programmable Automatic program 04)	191-200
	PR05 (Programmable Automatic program 05)	201-210
	PR06 (Programmable Automatic program 06)	211-220
	PR07 (Programmable Automatic program 07)	221-230
	PR08 (Programmable Automatic program 08)	231-240
	PR09 (Programmable Automatic program 09)	241-250
	PR10 (Programmable Automatic program 09)	251-255
9	Dim 00 (straight line dimmer)	000-009
	Dim 01 (dimmer curve 1. Shortest fade time)	010-069
	Dim 02 (dimmer curve 2. 2nd Shortest fade time)	070-129
	Dim 03 (dimmer curve 3. 3rd Shortest fade time)	130-189
	Dim 04 (dimmer curve 4. Longest fade time)	190-255
10	All fixtures are address	000
	ID 01 through 255 correspond to dmx addresses 001 through 255 respectively	001-255

21. Cleaning and 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 **Elektralite RGBA Dazer**?

Clean the fan! 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 fan keeps the LEDs cool and 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 fan be cleaned? It depends on where the fixtures are; in a very dusty atmosphere once a week. So check the fan on a regular basis, it may not need cleaned every week but a quick "visual inspection" should be done.
The front plastic cover for the lenses 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.

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.

22. Other Products from Elektralite.

Elektralite Elektrabar with glare shield for perfect cuts

Utilizing homogenized 6-in-1 leds. RGBWAI where the I is indigo (not UV) ; this way perfect pastels like Lee 170 Lavender are flawlessly achieved.

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

Elektralite ML902

The ML902 utilizes a 120 watt Led and is brighter than a 250 discharge light source. Features include:- Color wheel, two gobo wheels, rotating gobos, rotating 3 facet prism, focus, dimmer, strobe and 16 bit pan and tilt.

Elektralite Stingray Ellipsoidal

The Elektralite Stingray is a 300 watt LED ellipsoidal with the output of a conventional 750 watt fixture. Different LED types are available including Warm White.

Elektralite SLA

The SLA is the perfect compact IP65 fixture for accent lighting everything from trees and walls to product high lighting. Even though it is compact it packs a massive punch with its 15 watt Cree RGBW leds.

Elektralite Dazer Downlight

The ideal pendant light. Made specifically for the installation market.
Can be simply installed by an electrical contractor. 180 watts of power.
Comes with 25 degree lenses installed but a lens pack (15,45, & 60) allows you to change the beam angles.