



CHORUS LINE 8

User Manual

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DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online. Please scan the QR Code with your mobile device or visit www.elationlighting.com for the latest revision/update of this manual, before installation and/or programming.

Date	Document Version	Software Version	DMX Channel Mode	Notes
10/19/17	1	1.02	16 / 18 / 46 Ch.	Initial release
01/26/18	1.2	1.03	No Change	Added sACN, Pixel Flip, Art-Net / Kling-Net dual control
07/25/18	1.4	1.08	No Change	Updated manual format
06/25/20	1.6	N/C	No Change	Updated thermal
10/16/20	1.8	N/C	No Change	Updated specifications
05/24/21	2.0	1.09	No Change	Updated Software
07/21/23	2.2	N/C	No Change	Updated Installation Instructions, System Menu, DMX Traits; added Dimmer Curve and Software Updates

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GENERAL INFORMATION

INTRODUCTION

This fixture has been designed to perform reliably for years when the information in this manual is followed. Please read and understand all the instructions and guidelines carefully and thoroughly before operating this unit. This manual contains important information regarding safety, installation, use, and maintenance.

UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event that damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

Contact ELATION Service for any product related service and support needs. Also visit forums.elationlighting.com with questions, comments, or suggestions.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | Fax 323-832-9142 | support@elationlighting.com

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REPLACEMENT PARTS please visit parts.elationlighting.com

WARRANTY REGISTRATION / RETURNS

Please register online: <http://www.elationlighting.com/Login.aspx> to validate your purchase. All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without an R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain an R.A. number by contacting customer support.

LIMITED WARRANTY

- A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service, send the product only to the Elation Professional factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional shall have no liability what so ever for loss and/or or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional factory unless prior written authorization was issued to purchaser by Elation Professional; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual.
- D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect.
- E. Elation Professional reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product.
- G. This warranty is the only written warranty applicable to Elation Professional products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

WARRANTY RETURNS

All returned service items whether under warranty or not, must be freight pre-paid and accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without an R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain an R.A. number by contacting customer support.

SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.



THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF, AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS DEVICE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



**DO NOT PLUG THIS UNIT INTO A DIMMER PACK!
NEVER OPERATE THIS UNIT WITH THE CASING REMOVED!
DISCONNECT POWER BEFORE PERFORMING MAINTENANCE!
NEVER TOUCH DURING OPERATION, AS FIXTURE SURFACES MAY BE HOT!
KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!**



**NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!**



**FOR USE IN INDOOR OR DRY LOCATIONS ONLY!
DO NOT EXPOSE TO RAIN AND/OR MOISTURE!**

SAFETY GUIDELINES

- **DO NOT TOUCH** the fixture housing during operation.
- Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before serving.
- **DO NOT** shake fixture and avoid brute force when installing and/or operating fixture.
- **DO NOT** operate fixture if the power cord is frayed, crimped, damaged, and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease.
- **NEVER** force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same rating.
- **DO NOT** block any air ventilation slots.
- All fan and air inlets must remain clean and never blocked.
- Allow approx. 6" (15cm) between fixture and other devices or a wall for proper cooling.
- When installing fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, and always install fixture with an appropriately rated safety cable.
- Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure.
- Only handle the power cord by the plug end, and never pull out the plug by tugging the wire portion of the cord.
- During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.
- Consistent operational breaks will ensure fixture will function properly for many years.
- **ONLY** use the original packaging and materials to transport the fixture for service.

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky, or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean periodically with a soft cloth to avoid dirt/debris accumulation.

NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

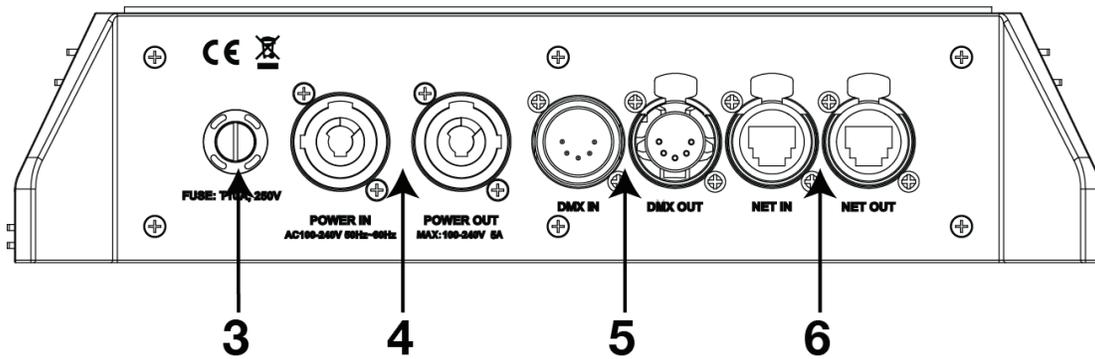
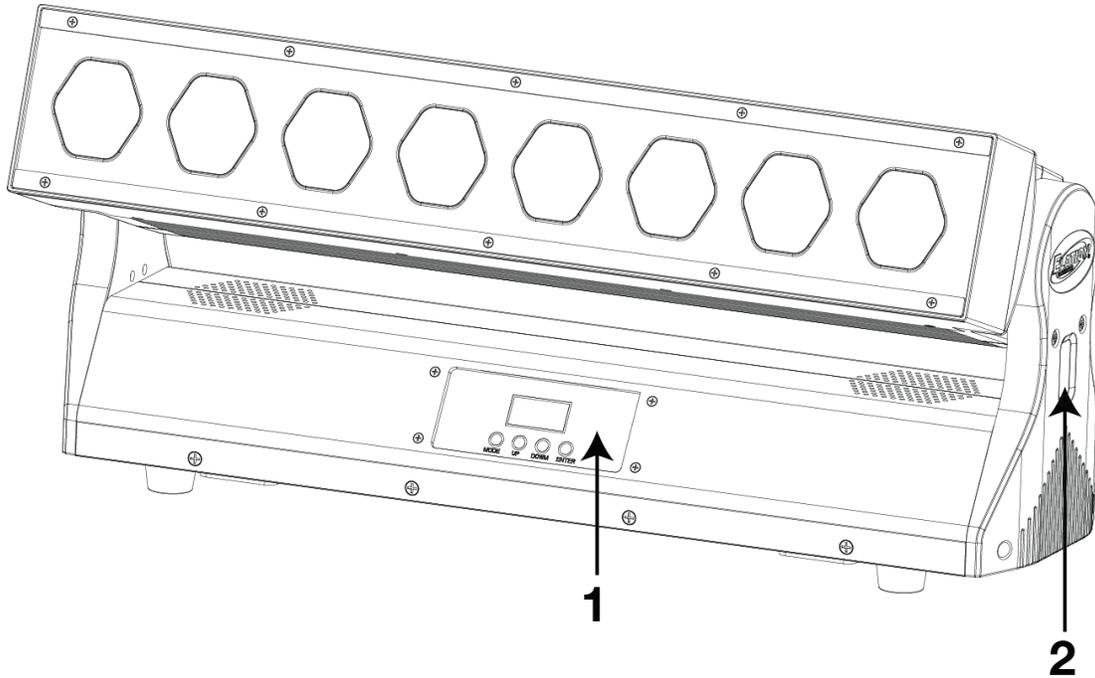
Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from an authorized Elation dealer.

Please refer to the following points during routine inspections:

- A detailed electrical check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware, and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue, or sediments.

NEVER remove the ground prong from the power cable.

FIXTURE OVERVIEW



1. LCD Menu Display: MENU, UP, DOWN, ENTER Buttons
2. Tilt Lock
3. Fuse
4. Power In/Out
5. 5pin DMX In/Out
6. RJ45 Ethernet In/Out

INCLUDED ITEMS

- Replacement Lens Covers (x2)
- Omega Brackets (x2)
- Power Cable (x1)

INSTALLATION INSTRUCTIONS



FLAMMABLE MATERIAL WARNING

Keep fixture minimum 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.



USE CAUTION WHEN POWER LINKING OTHER MODEL FIXTURES AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAX POWER OUTPUT ON THIS FIXTURE. CHECK SILK SCREEN FOR MAX AMPS.



DO NOT PERFORM THE INSTALLATION YOURSELF IF YOU ARE NOT QUALIFIED TO DO SO!

Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.

Before rigging/mounting a single fixture or multiple fixtures to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables, and accessories.

Ambient operating temperature range is **15°F to 113°F (-15°C to 45°C)**. Do not operate this fixture when ambient temperature falls outside of this range.

Fixture(s) should be installed away from walking paths, seating areas, or areas where unauthorized personnel might reach the fixture by hand.

NEVER stand directly below the fixture(s) when rigging, removing, or servicing.

Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that can support at least 10 times the weight of the fixture.

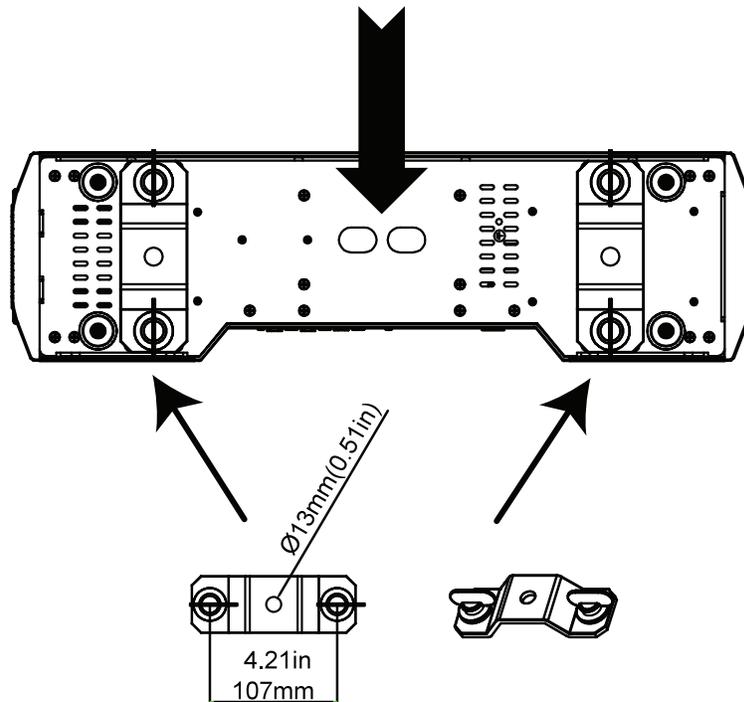
Allow approximately 15 minutes for the fixture to cool down before serving.

INSTALLATION INSTRUCTIONS

CLAMP INSTALLATION

The fixture can be placed on a flat surface or truss mounted. When mounting this fixture to a truss, be sure to secure (2) appropriately rated clamps (not included) to the (2) Omega Brackets (included). Be sure to attach an appropriately rated the Safety Cable (not included) to the fixture using the safety cable rigging points integrated into the bottom of the fixture.

SAFETY CABLE RIGGING POINT

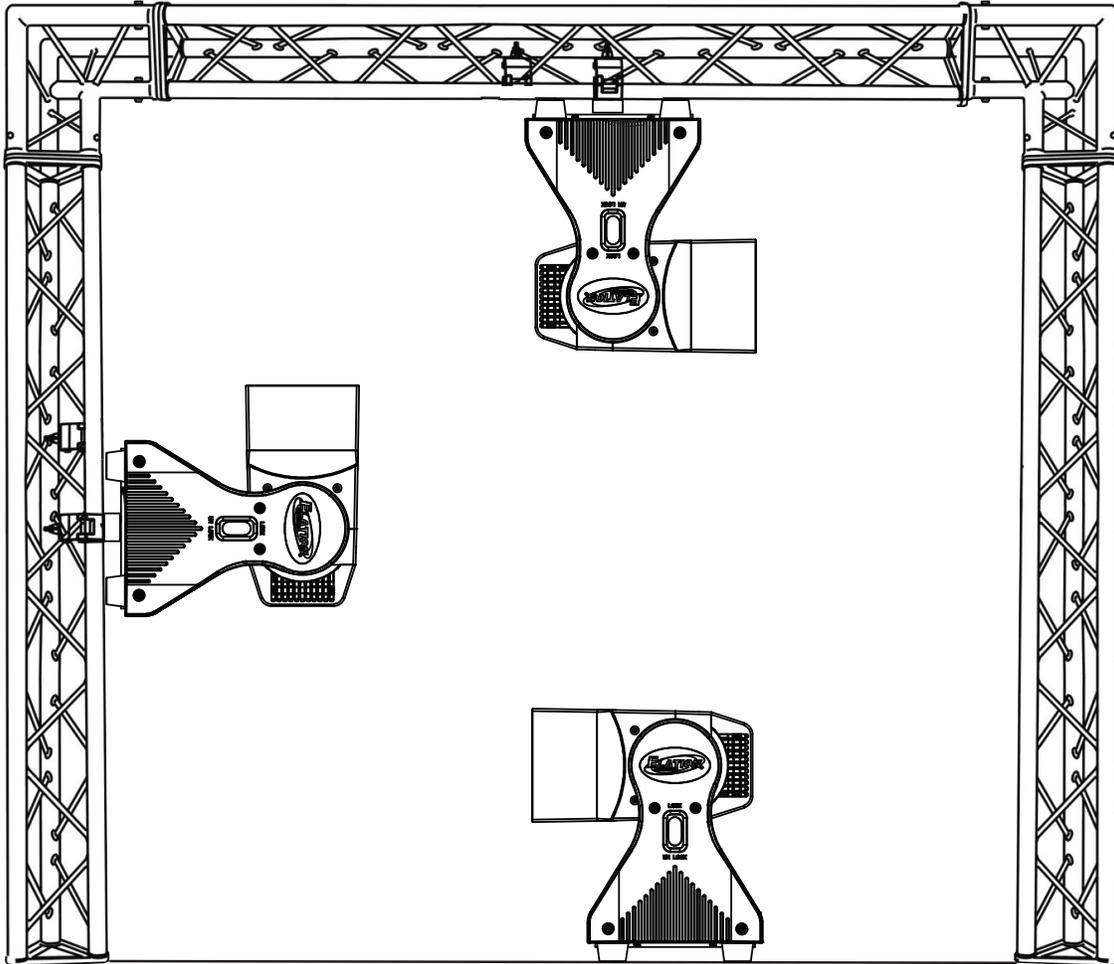


ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THAT THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

INSTALLATION INSTRUCTIONS

RIGGING

Overhead rigging requires extensive experience, including but not limited to: calculating working load limits, understanding the installation material being used, and periodic safety inspection of all installation material and the fixture itself. If you lack these qualifications, do not attempt to perform the installation yourself. Improper installation can result in bodily injury.



The fixture can be mounted hanging upside down from a truss, suspended sideways from a truss, or standing upright on a flat, stable surface, as shown in the image above.

POWER LINKING

USE CAUTION WHEN POWER LINKING FIXTURES OF OTHER MAKE AND MODEL TYPES, AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAX POWER OUTPUT ON THIS FIXTURE. CHECK SILK SCREEN FOR AMX AMPS.

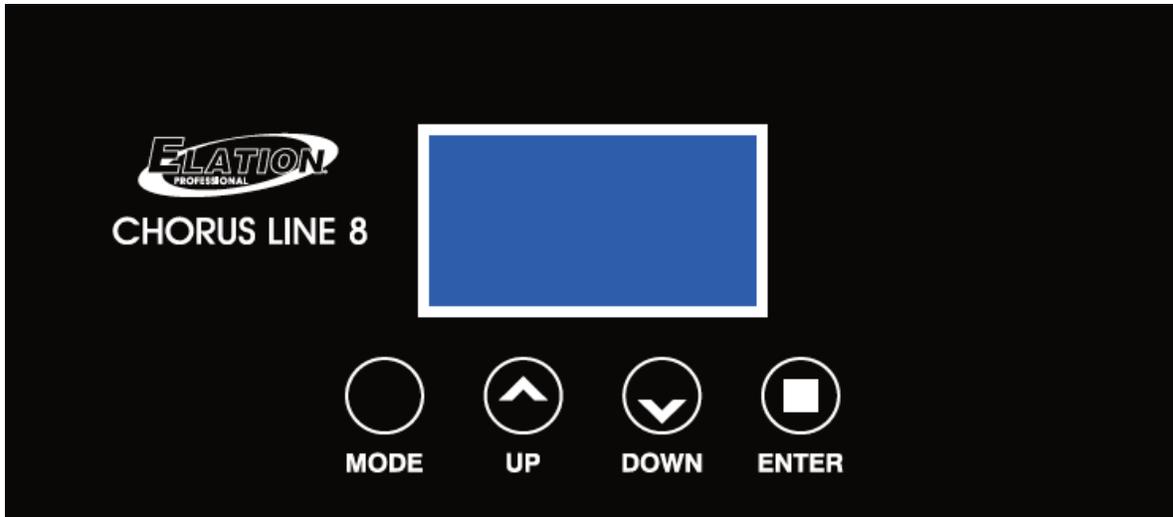
KLING-NET / ART-NET CONNECTION

When connecting fixture to a network switch to control multiple devices, a Gigabit Ethernet Switch that supports IGMP (Internet Group Management Protocol) is required. Using a Gigabit Ethernet Switch that does not support IGMP can cause erratic behavior of all connected devices to the switch. Click link below for more information about IGMP.

https://en.wikipedia.org/wiki/Internet_Group_Management_Protocol

SYSTEM MENU

The fixture features an easy to navigate system menu. The control panel (see image below) is located on the back of the fixture and provides access to the main system menu where all necessary system adjustments are made. During normal operation, pressing **MODE** button once will access the fixture's main menu. Once in the main menu, you can navigate through the different functions and access the sub-menus with the **UP** and **DOWN** buttons. Once you reach a field that requires adjusting, press the **ENTER** button to activate that field, then use the **UP** and **DOWN** buttons to adjust the field. Pressing the **ENTER** button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the **MODE/ESC** button.



LCD CONTROL PANEL LOCKOUT

When the Key Lock menu is set to ON, the LCD display will turn OFF after 30 seconds of inactivity and the (4) button Control Panel will be LOCKED. To unlock the (4) button LCD control panel, press and hold the MODE button.

INFORMATION DISPLAYED DURING INITIAL POWER ON

When the fixture is initially powered ON, the display shows the following information:



SYSTEM MENU

ELATION Chorus Line 8 - System Menu					
Supports Software Versions: 1.09					
ADDRESS	Set DMX Address	001 - xxx		DMX address settings	
USER MODE	Standard 18Ch (16bit)			Set DMX channel mode	
	Basic 16Ch (8bit)				
	Extent 46Ch				
FUNCTION	Status	Lost DMX Mode	Hold	Function if DMX signal lost or interrupted	
			Auto		
			Blackout		
		Tilt Invert	On / Off		Tilt reverse movement
		Feedback	On / Off		Movement feedback
		Move Speed	Speed 1 ~ 4		Movement mode select
	Stand By	Off, 01min ~ 99min		Stand by mode, default = 15min	
	Fan Set	Head Fan	Auto		Fan speed set
			High		
			Silent		
	Net ID	Password			
		DeviceIP	xxx.xxx.xxx.xxx		
		Mask Addr	xxx.xxx.xxx.xxx		
		Universe	000 - 255		
	Protocol	Artnet / sACN		Set network protocol	
	KlingNet	Enable / Disable		Enable or disable KlingNet protocol	
	Net	On / Off		Activate or deactivate NET OUT port	
	LCD Set	Backlight	02min ~ 60min		LCD backlight shutoff time, default = 5min
		Flip Display	On / Off		Reverse LCD display orientation
		Key Lock	On / Off		Lock front panel buttons
		Flash	On / Off		Display flashes when DMX signal lost
	Temp C/ F	Fahrenheit / Celsius		Set temp display units	

CONTINUED ON NEXT PAGE

SYSTEM MENU

FUNCTION	Dim Curve	Standard		Set dimmer curve mode	
		Stage			
		TV			
		Architectur			
		Theatre			
		Stage 2			
		0s, 0.1s, 0.2s, 0.3s, 0.4s, 0.5s, 0.6s, 0.7s, 0.8s, 0.9s, 1.0s, 1.5s, 2.0s, 3.0s, 4.0s, 5.0s, 6.0s, 7.0s, 8.0s, 9.0s, 10.0s			
	Disp Set	Chan Value	Tilt, ...		Current value of each channel
		Secondary Set	Secd 1		Set secondary mode preset
			Secd 2		
			Secd 3		
	Auto Pro	Alone / Primary		Set auto program mode	
	Dim Curve	Linear		Select dimmer curve	
Square					
Inv Squa					
S-Curve					
Frequen	900Hz , 1000Hz, 1100Hz, 1200Hz, 1300Hz, 1400Hz, 1500Hz, 2500Hz, 4000Hz, 5000Hz, 10KHz, 15KHz, 20KHz, 25KHz				
Pixel	Standard / Flip		Set pixel flip mode		
DFSE	On / Off		Restore factory settings		
INFORMATION	Time Info	Current	xxxx Hours	Fixture run time from power on	
		Total Time	xxxx Hours	Fixture total run time	
		Last Clear	xxxx Hours	Clear fixture last run time	
		Password Clear/ Clear-To	Password = 050		Password to clear last fixture run time
			Password = 060		Password to clear total run time
			On / Off		Reset fixture last run time
	Temp Info	LED Tamp	xxx F / xxx C	Temp in fixture head	

CONTINUED ON NEXT PAGE

SYSTEM MENU

INFORMATION (continued)	Err Info	Tilt, ...	Display 10 recent error messages	
	Model Info	Chorus Line 8	Display model name	
	Software Version	Vx.xx	Software version	
TEST	Reset M	All		
	Test Ch	Tilt, ...		
	Man Ctrl	Tilt = xxxx ...		
	Calibrat	Password = 050	Tilt	
			Red1	
			Green1	
			Blue1	
			White1	
			...	
			Red8	
			Green8	
			Blue8	
			White8	
Zoom1				
Zoom2				

DMX CHANNEL FUNCTIONS AND VALUES

ELATION Chorus Line 8 - DMX Traits						
Supports Software Versions: 1.09						
CHANNEL			DMX VALUES	FUNCTION	DEFAULT	SNAP
Basic 16Ch	Std 18Ch	Ext 46Ch				
1	1	1	000 - 255	Tilt Movement, 8-bit		
	2	2	000 - 255	Tilt Fine, 16-bit		
2	3	3	000 - 255	Red, 0% to 100%		
3	4	4	000 - 255	Green, 0% to 100%		
4	5	5	000 - 255	Blue, 0% to 100%		
5	6	6	000 - 255	White, 0% to 100%		
		7	000 - 255	Red 2, 0% to 100%		
		8	000 - 255	Green 2, 0% to 100%		
		9	000 - 255	Blue 2, 0% to 100%		
		10	000 - 255	White 2, 0% to 100%		
		11	000 - 255	Red 3, 0% to 100%		
		12	000 - 255	Green 3, 0% to 100%		
		13	000 - 255	Blue 3, 0% to 100%		
		14	000 - 255	White 3, 0% to 100%		
		15	000 - 255	Red 4, 0% to 100%		
		16	000 - 255	Green 4, 0% to 100%		
		17	000 - 255	Blue 4, 0% to 100%		
		18	000 - 255	White 4, 0% to 100%		
		19	000 - 255	Red 5, 0% to 100%		
		20	000 - 255	Green 5, 0% to 100%		
		21	000 - 255	Blue 5, 0% to 100%		
		22	000 - 255	White 5, 0% to 100%		
		23	000 - 255	Red 6, 0% to 100%		
		24	000 - 255	Green 6, 0% to 100%		
		25	000 - 255	Blue 6, 0% to 100%		
		26	000 - 255	White 6, 0% to 100%		
		27	000 - 255	Red 7, 0% to 100%		
		28	000 - 255	Green 7, 0% to 100%		
		29	000 - 255	Blue 7, 0% to 100%		
		30	000 - 255	White 7, 0% to 100%		
		31	000 - 255	Red 8, 0% to 100%		
		32	000 - 255	Green 8, 0% to 100%		
		33	000 - 255	Blue 8, 0% to 100%		
		34	000 - 255	White 8, 0% to 100%		
	7	35		CTO		
			000	Open		
			001 - 255	CTO 2700K - 7000K		
CONTINUED ON NEXT PAGE						

DMX CHANNEL FUNCTIONS AND VALUES

CHANNEL			DMX VALUES	FUNCTION	DEFAULT	SNAP
Basic 16Ch	Std 18Ch	Ext 46Ch				
6	8	36	000 - 255	Color Macros , see Color Macros Chart section of this manual		
7	9	37		Strobe		
			000 - 031	Closed		
			032 - 063	Open		
			064 - 095	Strobe, slow to fast		
			096 - 127	Open		
			128 - 159	Pulse, slow to fast		
			160 - 191	Open		
			192 - 223	Random, slow to fast		
		224 - 255	Open			
8	10	38	000 - 255	Master Intensity , close to open		
9	11	39	000 - 255	Master Intensity Fine , close to open		
10	12	40	000 - 255	Zoom , minimum to maximum		
11	13	41		Auto Programs		
			000	Idle		
			001 - 014	Off		
			015 - 030	Program 1		
			031 - 046	Program 2		
			047 - 062	Program 3		
			063 - 078	Program 4		
			079 - 094	Program 5		
			095 - 110	Program 6		
			111 - 126	Program 7		
			127 - 142	Program 8		
			143 - 158	Program 9		
			159 - 174	Program 10		
			175 - 190	Program 11		
			191 - 206	Program 12		
			207 - 222	Program 13		
223 - 238	Program 14					
239 - 255	Program 15					
12	14	42	000 - 255	Program Speed , slow to fast	128	
13	15	43	000 - 255	Program Fade , slow to fast	128	

CONTINUED ON NEXT PAGE

DMX CHANNEL FUNCTIONS AND VALUES

CHANNEL			DMX VALUES	FUNCTION	DEFAULT	SNAP
Basic 16Ch	Std 18Ch	Ext 46Ch				
14	16	44		Dim Modes	0	X
			000 - 020	Standard		
			021 - 040	Stage		
			041 - 060	TV		
			061 - 080	Architectural		
			081 - 100	Theatre		
			101 - 120	Stage 2		
				Dimmer Delay Time		
			121	0s		
			122	0.1s		
			123	0.2s		
			124	0.3s		
			125	0.4s		
			126	0.5s		
			127	0.6s		
			128	0.7s		
			129	0.8s		
			130	0.9s		
			131	1.0s		
			132	1.5s		
			133	2.0s		
			134	3.0s		
			135	4.0s		
136	5.0s					
137	6.0s					
138	7.0s					
139	8.0s					
140	9.0s					
141	10.0s					
	142 - 255	Default				
15	17	45		Pan / Tilt Speed		
			000 - 225	Max to min speed		
			226 - 235	Blackout by movement		
			236 - 255	No function		
16	18	46		Control	0	X
			000 - 005	Idle		
			006 - 010	Reset		
			011 - 015	Fan Mode Auto		
			016 - 020	Fan Mode High		
			021 - 025	Fan Mode Silent		

CONTINUED ON NEXT PAGE

DMX CHANNEL FUNCTIONS AND VALUES

CHANNEL			DMX VALUES	FUNCTION	DEFAULT	SNAP
Basic 16Ch	Std 18Ch	Ext 46Ch				
16	18	46		Control (continued)	0	X
			026 - 029	Program 1		
			030 - 034	Program 2		
			035 - 039	Program 3		
			040 - 044	Program 4		
			045 - 049	Program 5		
			050 - 054	Program 6		
			055 - 059	Program 7		
			060 - 064	Program 8		
			065 - 069	Program 9		
			070 - 074	Program 10		
			075 - 079	Program 11		
			080 - 100	Program 12		
				Change Refresh Rate (Hz)		
			101 - 105	900		
			106 - 110	1000		
			111 - 115	1100		
			116 - 120	1200		
			121 - 125	1300		
			126 - 130	1400		
			131 - 135	1500		
			136 - 140	2500		
			141 - 145	4000		
			146 - 150	5000		
			151 - 155	10000		
			156 - 160	15000		
			161 - 165	20000		
			166 - 170	25000		
			171 - 200	Idle		
				Dimmer Curves		
			201 - 210	Dimmer Curve Linear		
			211 - 220	Dimmer Curve Square		
221 - 230	Dimmer Curve Inverse Square					
231 - 240	Dimmer Curve S-Curve					
241 - 255	Idle					

COLOR MACRO CHART

VALUES	RED	GREEN	BLUE	WHITE
001 - 004	80	255	234	80
005 - 008	80	255	164	80
009 - 012	77	255	112	77
013 - 016	117	255	83	83
017 - 020	160	255	77	77
021 - 024	223	255	83	83
025 - 028	255	243	77	77
029 - 032	255	200	74	74
033 - 036	255	166	77	77
037 - 040	255	125	74	74
041 - 044	255	97	77	74
045 - 048	255	71	77	71
049 - 052	255	83	134	83
053 - 056	255	93	182	93
057 - 060	255	96	236	96
061 - 064	238	93	255	93
065 - 068	196	87	255	87
069 - 072	150	90	255	90
073 - 076	100	77	255	77
077 - 080	77	100	255	77
081 - 084	67	148	255	67
085 - 088	77	195	255	77
089 - 092	77	234	255	77
093 - 096	158	255	144	144
097 - 100	255	251	153	153
101 - 104	255	175	147	147
105 - 108	255	138	186	138
109 - 112	255	147	251	147
113 - 116	151	138	255	138
117 - 120	151	138	255	138
121 - 124	138	169	255	138
125 - 128	255	255	255	255
129 - 132	255	206	143	0
133 - 136	254	177	153	0
137 - 140	254	192	138	0
141 - 144	254	165	98	0
145 - 148	254	121	0	0
149 - 152	176	17	0	0

CONTINUED ON NEXT PAGE

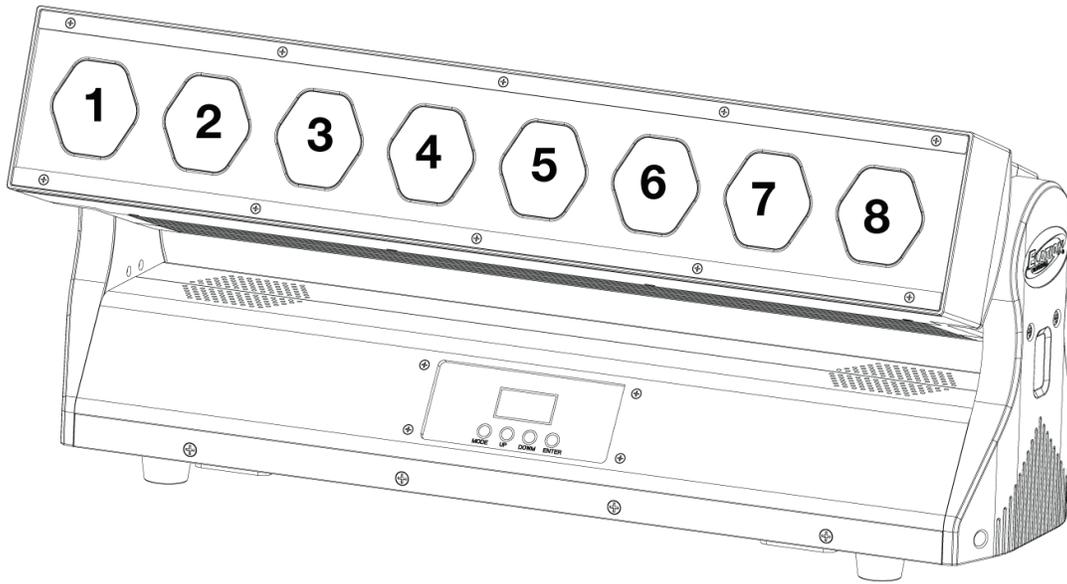
COLOR MACRO CHART

VALUES	RED	GREEM	BLUE	WHITE
153 - 156	96	0	11	0
157 - 160	234	139	171	0
161 - 164	224	5	97	0
165 - 168	175	77	173	0
169 - 172	119	130	199	0
173 - 176	147	164	212	0
177 - 180	88	2	163	0
181 - 184	0	38	86	0
185 - 188	0	142	208	0
189 - 192	52	148	209	0
193 - 196	1	134	201	0
197 - 200	0	145	212	0
201 - 204	255	0	0	0
205 - 208	0	255	0	0
209 - 212	0	83	115	0
213 - 216	0	97	166	0
217 - 220	1	100	167	0
221 - 224	0	40	86	0
225 - 228	209	219	182	0
229 - 232	42	165	85	0
233 - 236	0	46	35	0
237 - 240	8	107	222	0
241 - 244	107	156	231	0
245 - 248	165	198	247	0
249 - 252	0	0	255	0
253 - 255	0	0	0	255

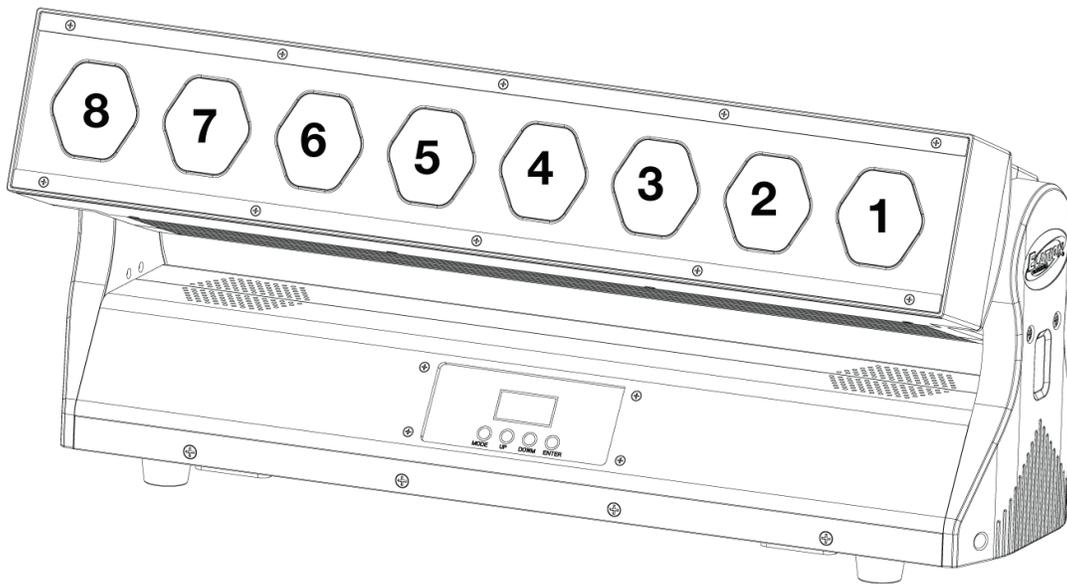
PIXEL CONTROL

The fixture features pixel control in Extended DMX channel mode. See diagram below, which illustrates the specific pixel mapping order.

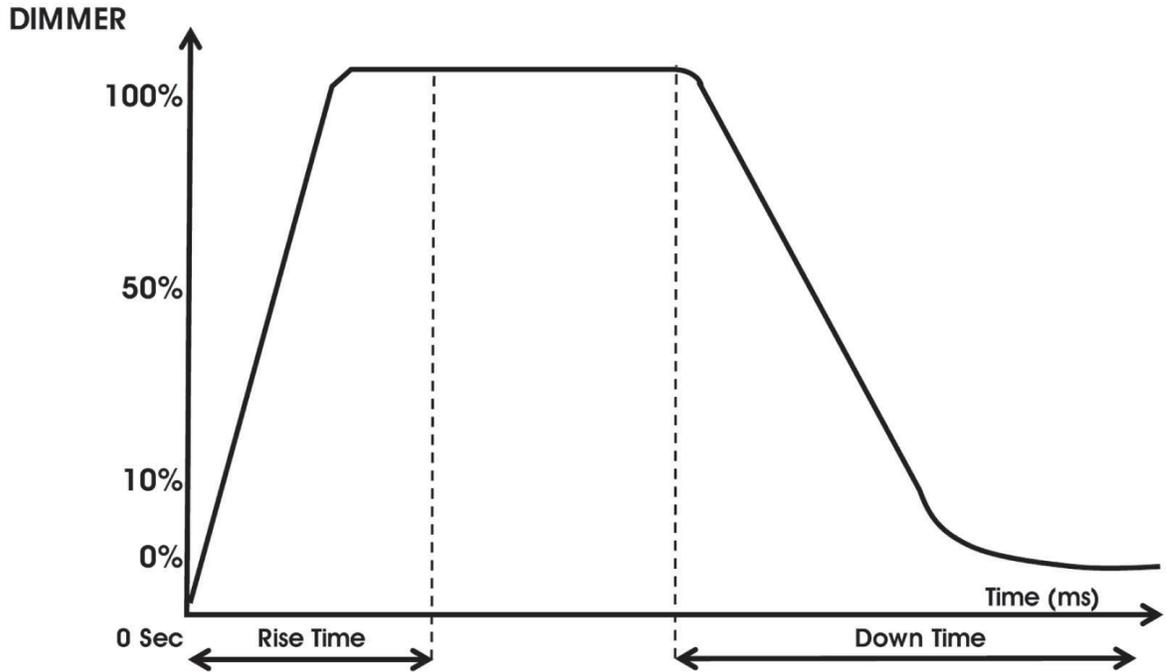
STANDARD



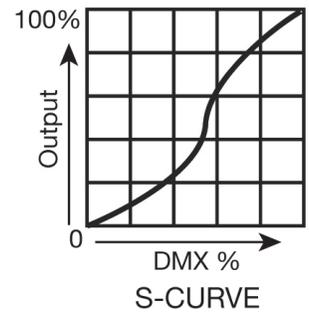
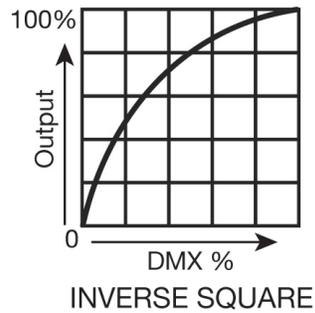
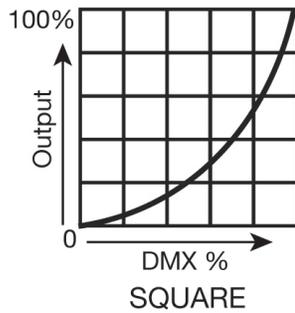
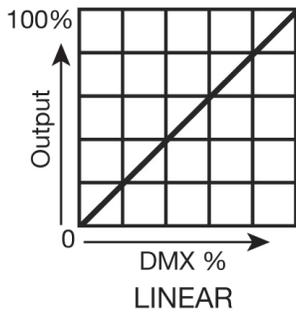
FLIP



DIMMER MODES



Dimming Curve Ramp Effect	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280



SOFTWARE UPDATES

AN ELATION C-LOADER II CAN BE USED TO UPDATE THE FIXTURE TO THE LATEST SOFTWARE VERSION. Please contact Elation Support to order this device, or for further details or information regarding the software updating process.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | Fax 323-832-9142 | support@elationlighting.com

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
+31 45 546 85 63 | Fax +31 45 546 85 96 | support@elationlighting.eu

TECHNICAL SPECIFICATIONS

SOURCE

(8) 40W 4-in-1 RGBW LEDs

50,000 Hour Average LED Life*

*May vary depending on several factors including but not limited to: Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

PHOTOMETRIC DATA

3,000+ Total Lumens

8,702 LUX 809 FC @16.4 ft (5m) (Full ON (4° Min Zoom)

318 LUX 21 FC @16.4 ft (5m) (Full ON (37° Max Zoom)

Zoom Range 4° - 40°

Beam Angle 4.6° - 37.8°

Field Angle 7.8° - 54.4°

EFFECTS

Motorized Zoom and 220° Tilt Movement

RGBW Color Mixing and Full Pixel Control

2,700K - 7,000K Linear Color Temperature

64 Color Presets and 14 Unique Color Macros

Electronic Strobe, 16-bit Variable Dimming Curve Modes

COLOR

RGBW

CONTROL / CONNECTIONS

3 DMX Channel Modes (46 total channels)

DMX, RDM, Kling-Net, and Art-Net Protocol Support

Adjustable LED Refresh Rate (900-25,000 Hz)

Adjustable LED Gamma Brightness (2.0, 2.2, 2.4, 2.8)

4 Button Touch Control Panel

180° Reversible LCD Menu Display

8 / 16-Bit Resolution Zoom and Tilt Movement

5pin DMX In/Out

RJ45 Ethernet In/Out

Locking Power Cable Power In/Out

With Wired Digital Communication Network

SIZE / WEIGHT

Length: 21.28" (540.5mm)

Width: 7.44" (189mm)

Vertical Height: 11.46" (291mm)

Weight: 25.0 lbs (11.3 kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

359W Max Power Consumption

5°F to 113°F (-15°C to 45°C)

BTU/hr (+/- 10%) 1224.2

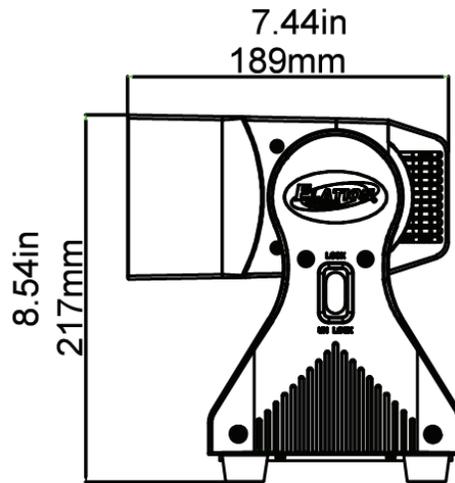
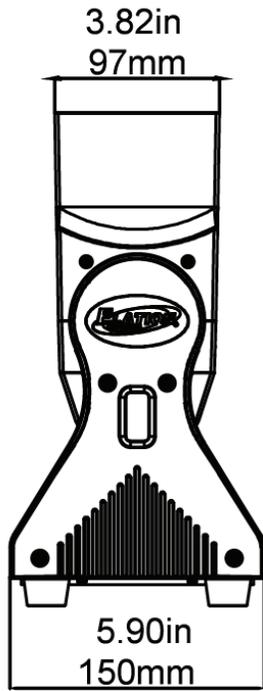
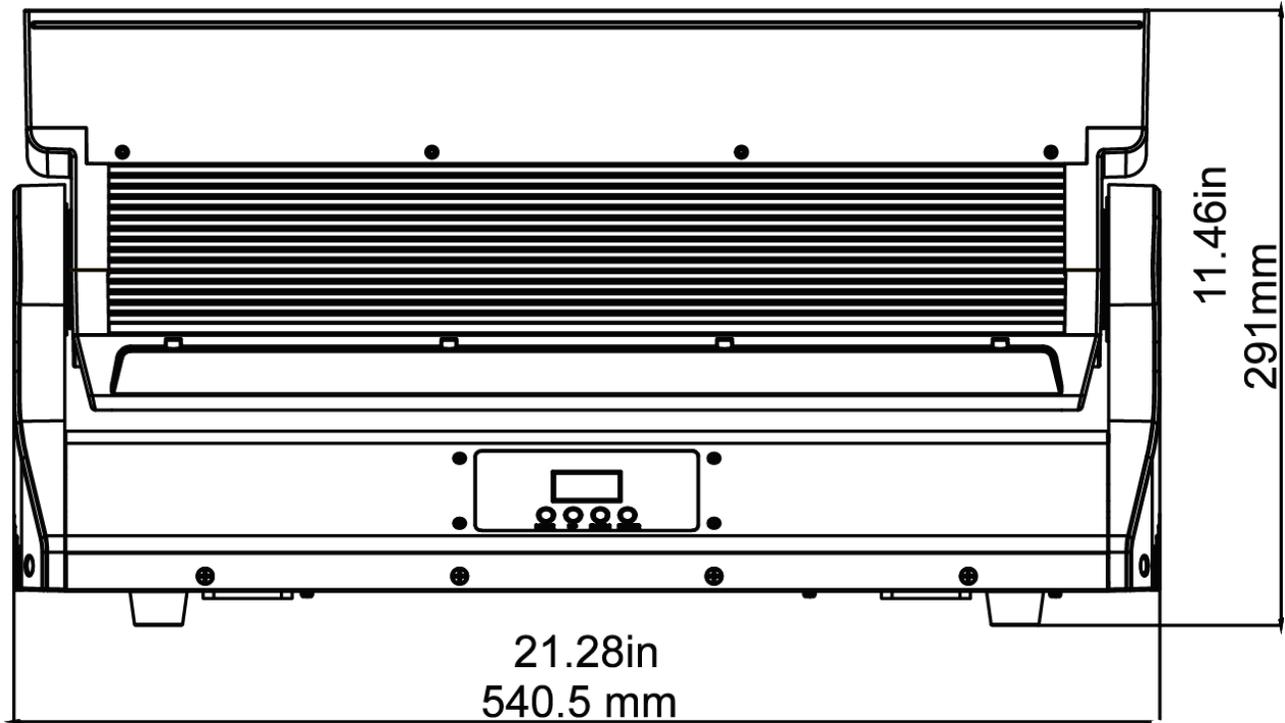
APPROVALS / RATINGS

CE | cETLus | IP30



Specifications and documentation are subject to change without prior written notice.

DIMENSIONAL DRAWINGS



Specifications and documentation are subject to change without prior written notice.

OPTIONAL ACCESSORIES

ORDER CODE	ITEM
DTCCL8	6-Pack Road Case for Chorus Line 8
NARROW CLAMP	Heavy Duty Wrap Around Hook Style Clamp
AC5PDMX5PRO	5ft (1.5m) 5pin PRO DMX Cable
PLC3	3ft (1m) PRO Link Cable
Note: Additional Cable Lengths Available	

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device and the radio received to electrical outlets on separate circuits.
- Consult the dealer or an experienced radio/TV technician for help.

Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you



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