



KL FRESNEL 8 FC PO



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
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GENERAL INFORMATION

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information.

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.

BOX CONTENTS

Gel Frame (x1)
Barn Doors (x1)
Junior Pin (1 1/8" - 28mm) (x1)
Locking Power Cable (x1)

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



IMPORTANT NOTICE!

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 FIXTURE 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.

WARRANTY RETURNS (USA ONLY)

To obtain warranty service, a Return Materials Authorization (RMA) number must first be obtained from ELATION. It is the Customer's responsibility to provide product proof of purchase and serial number by acceptable evidence such as an invoice copy or an approved ELATION Extended Warranty Certificate ("EWC") and any relevant maintenance records at the time warranty service is sought. Failure to provide acceptable evidence of product proof of purchase or EWC and any relevant maintenance records may be cause for denial of warranty service.

Products returned for warranty service must be sent without any accessories (i.e., power, data, and safety cables, brackets, clamps, rigging hardware, frost filters, gel frames, barn doors, lenses, hoses, nozzles, rack mounting hardware, etc.), must be boxed using the original and/or suitable packaging materials (double-box and foam) that provides ample product protection for ground and/or air freight transit, and must be shipped freight pre-paid and insured to ELATION in Los Angeles, CA or an ELATION Authorized Service Center. The RMA number must be clearly written on the outside of the return box, and a brief description of the problem and the RMA number must be documented and included in the box.

Products returned for warranty service without an RMA number clearly marked on the outside of the package will be refused and returned to the shipper at the Customer's expense. Products returned for warranty service, which are received damaged due to inadequate and/or improper packaging and/or due to damage caused by shipping carrier, may incur additional repair charges before warranty service begins and/or may void this warranty. If any product accessories (included and/or optional) are shipped with the product, ELATION and/or the ELATION Authorized Service Center shall have no liability what so ever for the loss and/or damage to any such accessories, nor the safe return thereof. If the requested warranty repairs or service (including parts replacement) are within the terms of this warranty, ELATION will pay return ground transportation shipping charges to a single designated point within the United States.

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. 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
DO NOT REMOVE THE COVER UNDER ANY CONDITIONS
NEVER OPERATE THIS UNIT WITH THE CASING REMOVED
UNPLUG FROM POWER DURING LONG PERIODS OF NON-USE
DISCONNECT POWER BEFORE PERFORMING MAINTENANCE**



**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!**



**FIXTURE SHOULD BE PLACED A MINIMUM OF 1.0 FOOT (0.3 METERS) FROM ANY NEARBY OBJECTS OR SURFACES.
FIXTURE SHOULD BE PLACED A MINIMUM OF 1.6 FEET (0.5 METERS) FROM ANY FLAMMABLE MATERIALS.
MAXIMUM AMBIENT OPERATING TEMPERATURE IS 113°F (45°C)**

IP20

**IP20 RATING
PROTECTED AGAINST SOLID OBJECTS OF FINGER-SIZE OR LARGER
NOT PROTECTED AGAINST LIQUID INTRUSION OF ANY KIND!**

SAFETY GUIDELINES

For Your Own Personal Safety, Please Read and Understand This Manual Completely Before You Attempt To Install Or Operate This Unit!

- **IP20 Rating: Fixture is protected against intrusion by solids measuring roughly 12.5mm in size or larger, such as human fingers. THE FIXTURE IS NOT PROTECTED AGAINST LIQUIDS OR MOISTURE OF ANY KIND!**
- Do not touch the fixture housing during operation, as it may be hot.
- Do not shake the fixture, and avoid using brute force when installing and/or operating.
- Use only the original packaging and materials to transport or ship the fixture for service. Make sure to retain the original packaging for this purpose.
- Be sure that the local power outlet matches the required voltage for the device.
- Do not open up the device for any reason. There are no user serviceable parts inside.
- Disconnect the device's main power when left unused for long periods of time.
- Never connect this device to a dimmer pack.
- Do not attempt to operate this device if it has been damaged in any way.
- Never operate this device with the cover removed.
- Do not attempt to operate this device if the power cord has been frayed or broken.
- Never force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace immediately with a new cord of the same power rating.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Only handle the power cord by the plug end. Never disconnect the plug by tugging on the wire portion of the power cord.
- Disconnect from main power before making any type of connection.
- Never block the air ventilation slots. Always be sure to mount this device in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Always mount this unit in a safe and stable matter.
- Please route your power cord out of the way of foot traffic. Power cords should be routed so they are not likely to be walked on or pinched by items placed upon or against them.
- Before performing any servicing, turn off and disconnect the device from power and allow at least 15 minutes for the device to cool.
- Consistent operational breaks will ensure that this fixture will function properly for many years.
- The device should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen on, or liquid has been spilled into, the device.
 - C. The device has been immersed in liquid or exposed to moisture.
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance.
- **Keep all flammable materials away from this fixture!**

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.

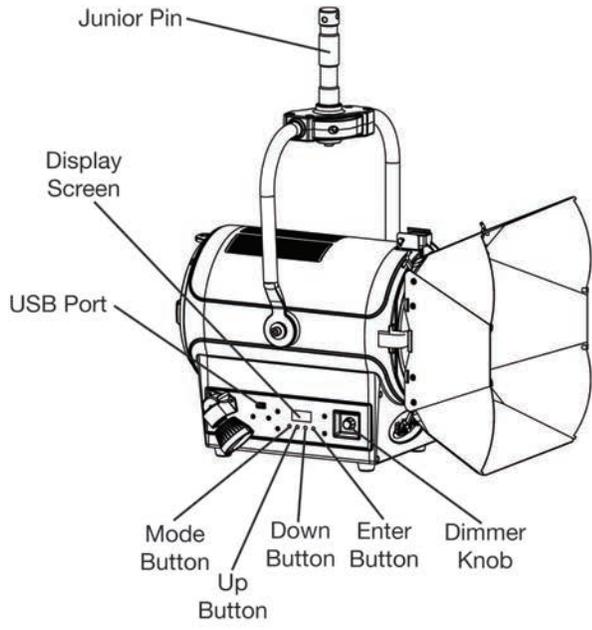
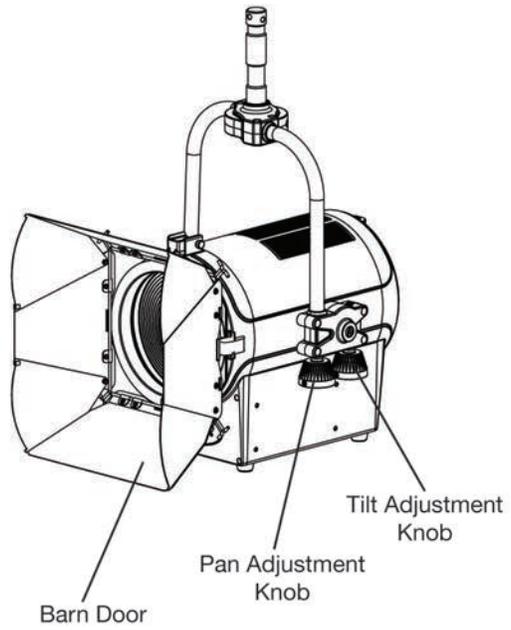
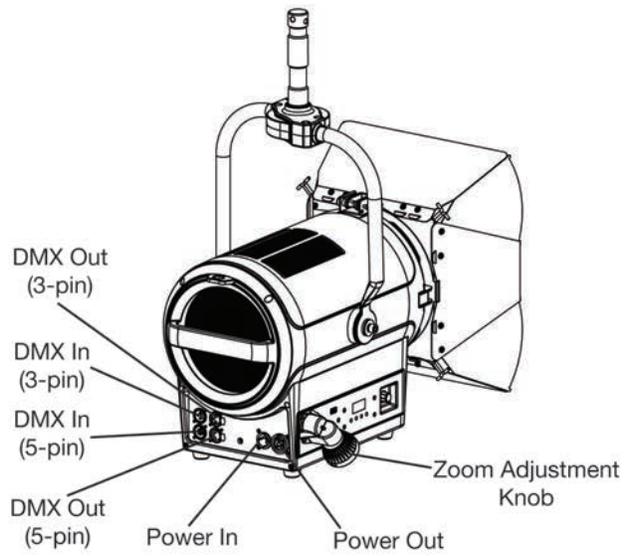
MAINTENANCE

Regular inspections are recommended to insure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all other 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.

OVERVIEW



FIXTURE INSTALLATION



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.



MINIMUM DISTANCE TO OBJECTS/SURFACES IS 1 FOOT (0.3 METERS)



MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE SURFACE IS 1.6 FEET (0.5 METER)



MAXIMUM AMBIENT TEMPERATURE 113° F (45°C)



DO NOT INSTALL THE FIXTURE 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.

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

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

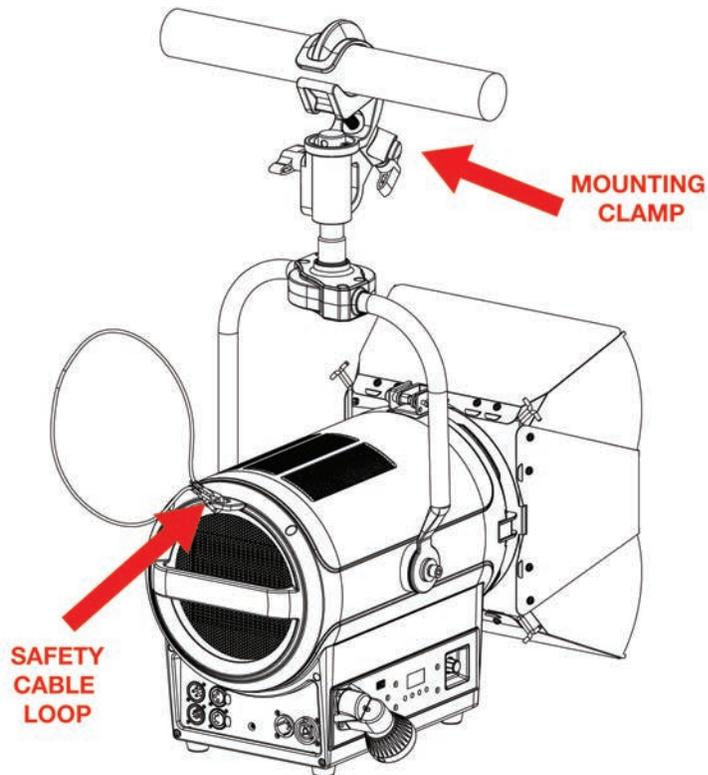
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.

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

FIXTURE INSTALLATION

CLAMP INSTALLATION

This device should be mounted by attaching a mounting clamp and junior pin to the mounting yoke. A safety cable loop is also located on the rear face of the fixture. When mounting the fixture to a truss or any other suspended or overhead installation, be sure to secure an appropriately rated clamp (not included) to the clamp attachment point and attach a separate **SAFETY CABLE** of the appropriate safety rating to the 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.

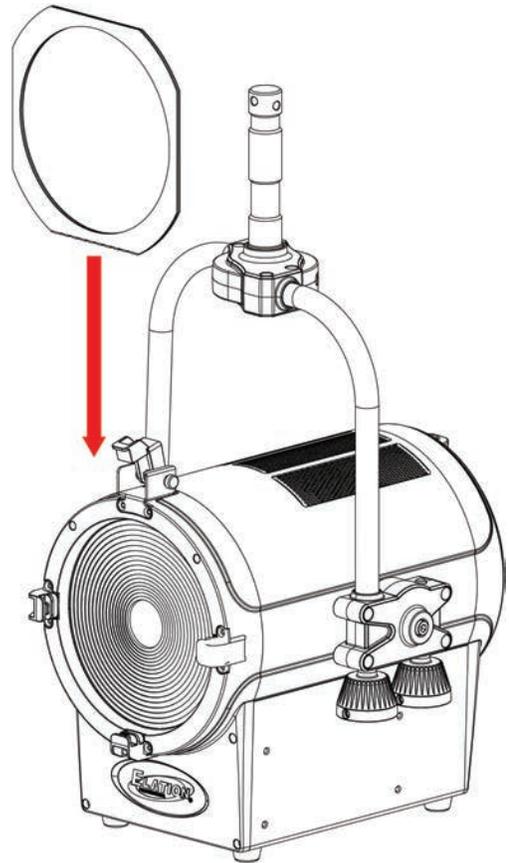
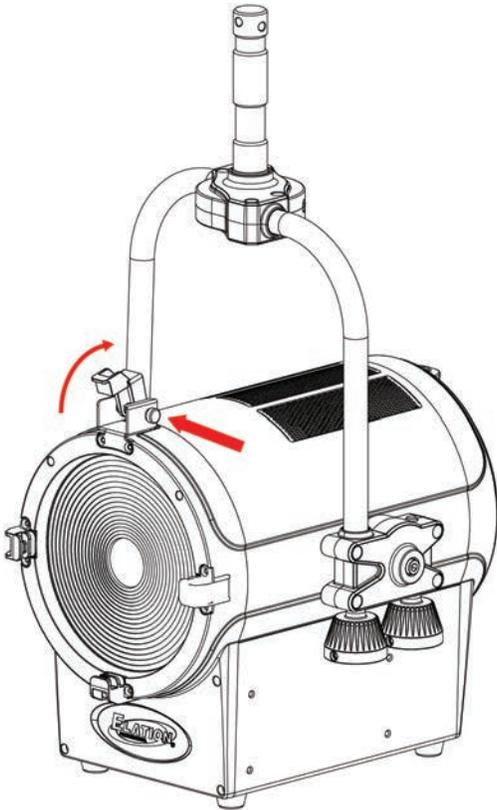
RIGGING

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.

ACCESSORY INSTALLATION

GEL FRAME INSTALLATION

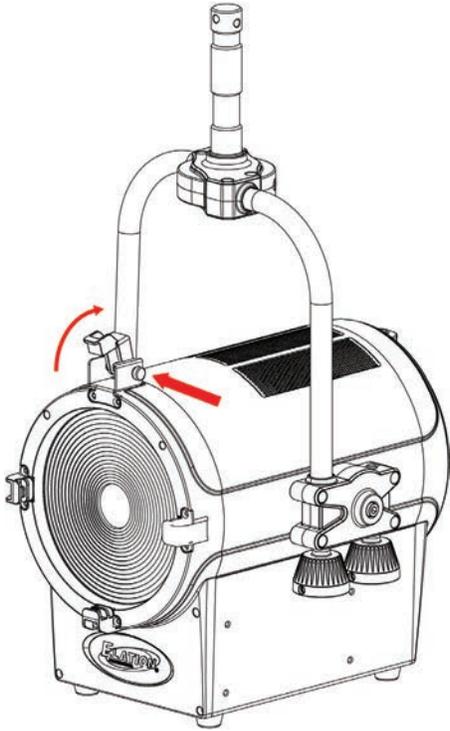
1. Press and hold the clip latch indicated by the straight arrow in the image below, then flip the retaining clip located near the top of the lens.
2. Slide the gel frame into place in one of the accessory slots. Secure the gel frame by flipping the retaining clip back down, making sure it latches in place.



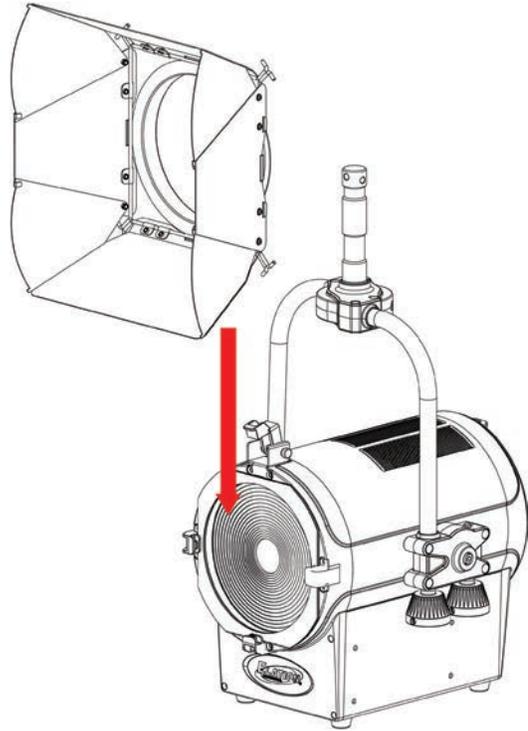
ACCESSORY INSTALLATION

BARNDOOR INSTALLATION

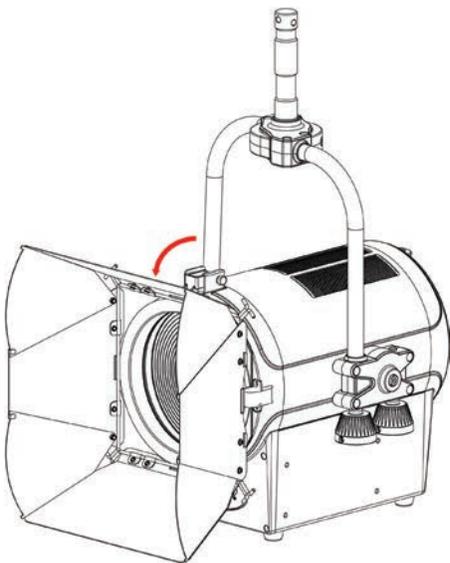
1. Press and hold the clip latch indicated by the straight arrow in the image below, then flip the retaining clip located near the top of the lens.



2. Slide the barn door into place in one of the vacant accessory slots on the front of the fixture.



3. Return the retaining clip to the original position to lock the barn door in place.

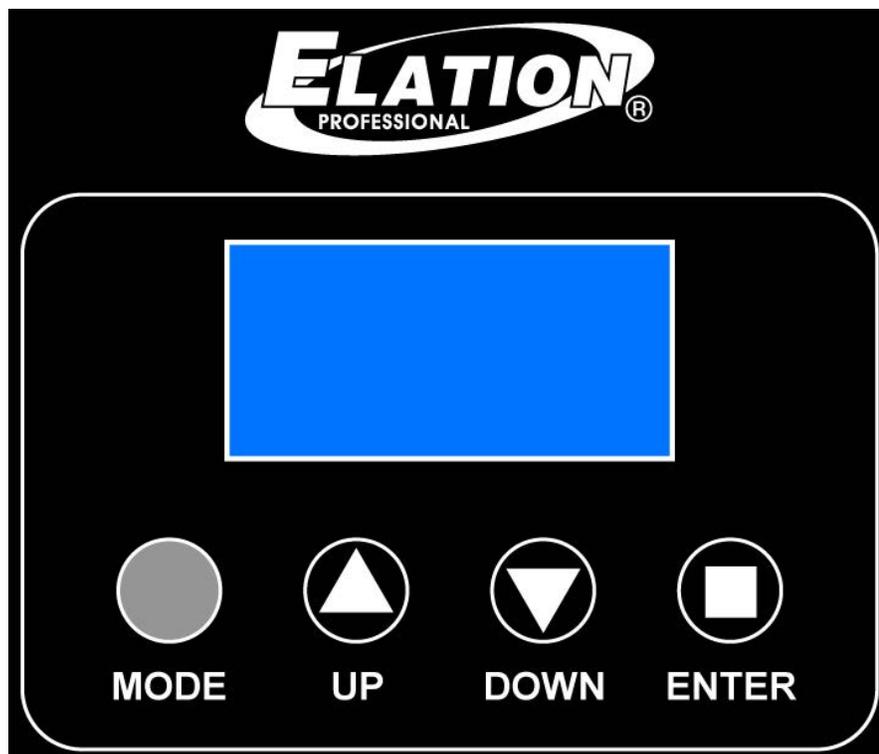


CONTROL PANEL

The fixture includes an easy to navigate system menu. The control panel display is located on the side panel of the fixture (see image below) and provides access to the main system menu, where all necessary system adjustments are made to the fixture. During normal operation, pressing the 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 DOWN and UP buttons. Once you reach a field that requires adjusting, press the ENTER button to activate that field and use the DOWN and UP buttons to adjust the field. Pressing the ENTER button once more will confirm the setting. Exit the main menu at any time without making any adjustments by pressing the MODE button.

The display screen will shut OFF automatically after 30 seconds of inactivity. To turn the display back on, press and hold the MODE button for 3 seconds.

To enter the white balance menu, press and hold the MODE, UP, and DOWN buttons simultaneously. Please note that this will override the Color menu.



SYSTEM MENU

ELATION KL FRESNEL FC PO			
Supports Software Versions: 1.0.1			
ENCODER MODE	Disabled	For use when running fixture in DMX mode	
	Dimmer	For use when running fixture in dimmer mode	
	Int CCT Grn	For use when running fixture in CCT mode with encoder control	
	Int Color Sat	For use when running fixture in color mode with encoder control	
	Manual Control	For use when running fixture in manual control mode with encoder control	
DMX SETTINGS	DMX Address	001 - 512	
	DMX Mode	1CH Dimmer	
		6CH Dimmer Color	
		11CH Standard	
		18CH Extended	
		9CH CMY	
		14CH CMY Extended	
	No DMX	Hold Last	
		Fade to Black	
Standalone			
STANDALONE	Dimmer	0% - 100%	
	CCT	2400K - 8500K Default = 6000K	
	Green Shift	-100% - +100% Default = 0	
	Virtual Color	Color 01 - Color 53	See Color Macros Chart section for reference
PERSONALITY	Primary	On / Off	
	Secondary	On / Off	
	Dim Mode	Standard	
		Stage	
		TV	
		Architectural	
		Theatre	
		Stage 2	
		Dim Speed	0.0s - 10.0s, default = 0.1s
	Dim Curves	Linear	
		Square	
		Square Inverse	
S-Curve			

CONTINUED ON NEXT PAGE

SYSTEM MENU

ELATION KL FRESNEL FC PO			
Supports Software Versions: 1.0.1			
PERSONALITY (continued)	LED Refresh Rate	900Hz - 1500 Hz, 2500 Hz, 4000 Hz, 5000 Hz, 6000 Hz, 10 KHz, 15 KHz, 20 KHz, 25 KHz Default = 1200 Hz	
	LED Power Limit	50%	
		60%	
		70%	
		80%	
		90%	
		100%	
	Fan Mode	Auto	
		Silent	
		High	
	Display	Display Screen Delay	10s - 5min, default = 1 min
		Display Screen Lock	Off , 10s - 5min
		Display Rotate	Yes / No / Auto
	Service (Passcode = 050)	Calibration	Red: 50 - 255
			Green: 50 - 255
			Blue: 50 - 255
			...
Update Software		Yes / No	
Factory Restore		Yes / No	
Edit RDM UID			
INFORMATION	Life Time		
	Last Run Time		
	Time Reset	Passcode = 038	
	Temperature	Current	
		Max Resettable	
		Reset	Passcode = 038
	DMX Values	R: 000	
		G: 000	
		B: 000	
		...	
	Product ID's	RDM UID	
	Error Logs	Fixture Errors	None
Reset Error Log		No / Yes (Passcode = 050)	
Software Version			

ENCODER FUNCTION

When the device has been set to Encoder mode, the lighting display can be adjusted using the knob located beside the display screen on the back of the device.

To enter Encoder mode, select the ENCODER MODE option from the main system menu, as described in the System Menu section of this manual. Then use the UP and DOWN buttons to scroll through the different modes. Each mode is represented by one of the tables below. Press ENTER to select the mode that is currently displayed.

Once an Encoder Mode has been selected, press the knob to cycle through the available Parameter options. When the desired Parameter is displayed on the screen, simply turn the knob to adjust the value of that Parameter.

DIMMER MODE			
PARAMETER	VALUE	RESOLUTION	DEFAULT
Intensity	Intensity 0-100%	1%	0%

INT CCT GRN MODE			
PARAMETER	VALUE	RESOLUTION	DEFAULT
Intensity	Intensity 0-100%	1%	0%
Color Temperature	CCT 2400 - 8500K	100K	6000K
Green Shift	GRN -100% to +100%	1%	Neutral

INT COLOR SAT MODE			
PARAMETER	VALUE	RESOLUTION	DEFAULT
Intensity	Intensity 0-100%	1%	0%
Color	Virtual Color 1, 2, 3, 4...	Single Color	
Saturation	Sat 0 - 100%	1%	100%

MANUAL CONTROL MODE			
PARAMETER	VALUE	RESOLUTION	DEFAULT
Intensity	Intensity 0-100%	1%	100%
Strobe	Strobe 0-255	1	0
Red	Red 0-255	1	0
Green	Green 0-255	1	0
Blue	Blue 0-255	1	0
Mint	Mint 0-255	1	0
Amber	Amber 0-255	1	0

DMX CHANNEL FUNCTIONS

ELATION KL FRESNEL 8 FC PO							
Supports Software Versions: 1.0.1							
Dimmer 1CH	Dimmer Color 6CH	Standard 11CH	Extended 18CH	CMY 9CH	CMY Extended 14CH	DMX Values	Function
1	1	1	1	1	1	000 - 255	Dimmer , 0 to 100%
	2	2	2	2	2	000 - 255	Dimmer Fine
	3	3	3	3	3		Shutter
						000 - 031	Shutter closed
						032 - 063	No function (shutter open)
						064 - 095	Strobe effect, slow to fast
						096 - 127	No function (shutter open)
						128 - 159	Pulse effect in sequences
						160 - 191	No function (shutter open)
						192 - 223	Random strobe effect, slow to fast
						224 - 255	No function (shutter open)
				4	4	000 - 255	Cyan , 0 to 100%
					5	000 - 256	Cyan Fine
				5	6	000 - 255	Magenta , 0 to 100%
					7	000 - 255	Magenta Fine
				6	8	000 - 255	Yellow , 0 to 100%
					9	000 - 255	Yellow Fine
		4	4			000 - 255	Red , 0 to 100%
			5			000 - 255	Red Fine
		5	6			000 - 255	Green , 0 to 100%
			7			000 - 255	Green Fine
		6	8			000 - 255	Blue , 0 to 100%
			9			000 - 255	Blue Fine
		7	10			000 - 255	Mint , 0 to 100%
			11			000 - 255	Mint Fine
		8	12			000 - 255	Amber , 0 to 100%
			13			000 - 255	Amber Fine
	4	9	14	7	10		CTO
						000 - 023	Open
						024 - 085	CTO 2400K - 8500K (see Color Temperature Chart)
						086 - 255	8500K

CONTINUED ON NEXT PAGE

DMX CHANNEL FUNCTIONS

ELATION KL FRESNEL 8 FC PO							
Supports Software Versions: 1.0.1							
Dimmer 1CH	Dimmer Color 6CH	Standard 11CH	Extended 18CH	CMY 9CH	CMY Extended 14CH	DMX Values	Function
							Color Wheel
						000	Open
						001 - 179	Virtual Swatch Book (see Color Macros Chart)
							Color Scroll
						180 - 201	Clockwise, fast to slow
						202 - 207	Stop
						208 - 229	Counter-clockwise, slow to fast
						230 - 234	Open
							Random Slots
						235 - 239	Fast
						240 - 244	Medium
						245 - 249	Slow
						250 - 255	Open
							Green Shift
						000	Idle
						001 - 127	Full Minus Green to Neutral
						128	Neutral White
						129 - 255	Neutral to Full Plus Green
							Dim Modes
						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
CONTINUED ON NEXT PAGE							

DMX CHANNEL FUNCTIONS

ELATION KL FRESNEL 8 FC PO							
Supports Software Versions: 1.0.1							
Dimmer 1CH	Dimmer Color 6CH	Standard 11CH	Extended 18CH	CMY 9CH	CMY Extended 14CH	DMX Values	Function
							<i>Dimmer Delay Time (continued)</i>
						127	0.6s
						128	0.7s
						129	0.8s
						130	0.9s
						131	1.0s
						132	1.5s
						133	2.0s
			17		13	134	3.0s
						135	4.0s
						136	5.0s
						137	6.0s
						138	7.0s
						139	8.0s
						140	9.0s
						141	10s
						142 - 255	Idle
							<i>Control</i>
						000 - 029	Idle
						030 - 039	Fan Mode Auto
						040 - 049	Fan Mode Silent
						050 - 059	Fan Mode High
						060 - 099	Idle
							<i>Refresh Rate (Hz)</i>
	6	11	18	9	14	100	900
						101	910
						102	920
						103	930
						104	940
						105	950
						106	960
						107	970
CONTINUED ON NEXT PAGE							

DMX CHANNEL FUNCTIONS

ELATION KL FRESNEL 8 FC PO							
Supports Software Versions: 1.0.1							
Dimmer 1CH	Dimmer Color 6CH	Standard 11CH	Extended 18CH	CMY 9CH	CMY Extended 14CH	DMX Values	Function
							<i>Refresh Rate (Hz) (continued)</i>
						108	980
						109	990
						110	1000
						111	1010
						112	1020
						113	1030
						114	1040
						115	1050
						116	1060
						117	1070
						118	1080
						119	1090
						120	1100
						121	1110
						122	1120
	6	11	18	9	14	123	1130
						124	1140
						125	1150
						126	1160
						127	1170
						128	1180
						129	1190
						130	1200
						131	1210
						132	1220
						133	1230
						134	1240
						135	1250
						136	1260
						137	1270
						138	1280
						139	1290

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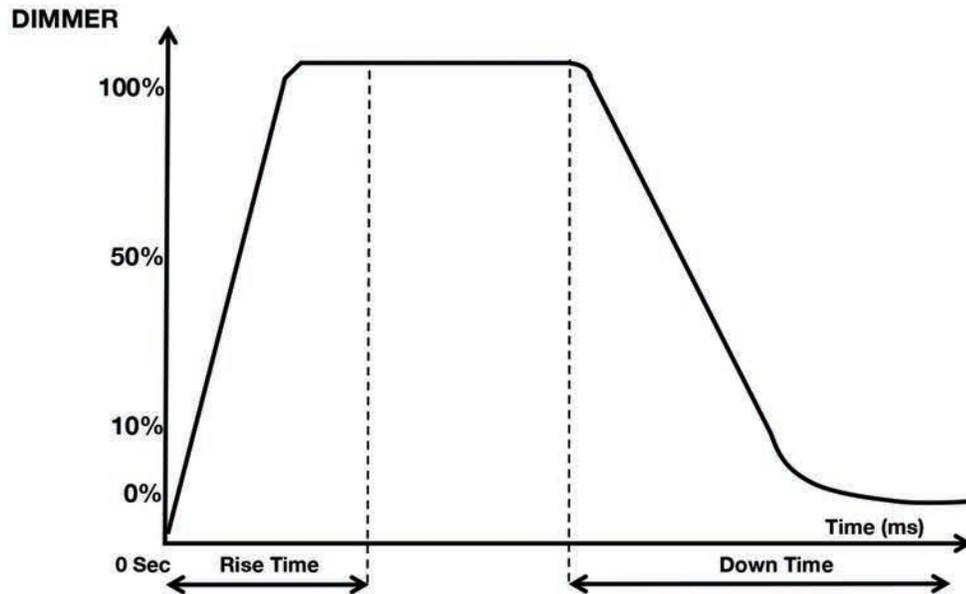
DMX CHANNEL FUNCTIONS

ELATION KL FRESNEL 8 FC PO							
Supports Software Versions: 1.0.1							
Dimmer 1CH	Dimmer Color 6CH	Standard 11CH	Extended 18CH	CMY 9CH	CMY Extended 14CH	DMX Values	Function
							Refresh Rate (Hz) (continued)
						140	1300
						141	1310
						142	1320
						143	1330
						144	1340
						145	1350
						146	1360
						147	1370
						148	1380
						149	1390
						150	1400
						151	1410
						152	1420
						153	1430
	6	11	18	9	14	154	1440
						155	1450
						156	1460
						157	1470
						158	1480
						159	1490
						160	1500
						161	2500
						162	4000
						163	5000
						164	6000
						165	10000
						166	15000
						167	20000
						168	25000
						169 - 200	Idle
CONTINUED ON NEXT PAGE							

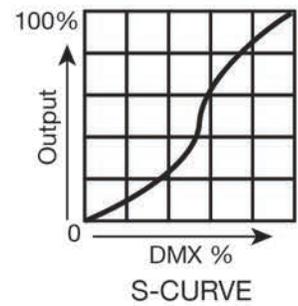
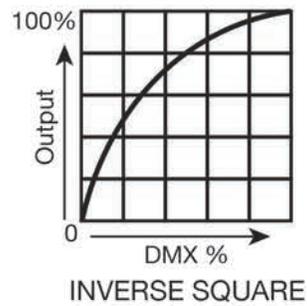
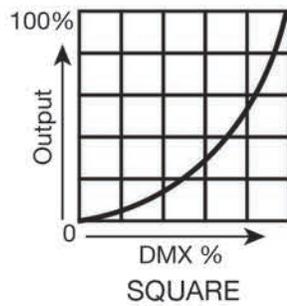
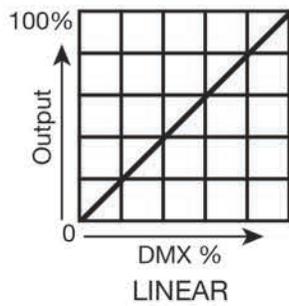
DMX CHANNEL FUNCTIONS

ELATION KL FRESNEL 8 FC PO							
Supports Software Versions: 1.0.1							
Dimmer 1CH	Dimmer Color 6CH	Standard 11CH	Extended 18CH	CMY 9CH	CMY Extended 14CH	DMX Values	Function
	6	11	18	9	14		<i>Dimmer Curves</i>
						201 - 210	Linear (default)
						211 - 220	Square
						221 - 230	Inverse Square
						231 - 240	S-Curve
						241 - 255	Idle

DIMMER MODES & CURVES



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
Stage 2	0	1100	0	1660



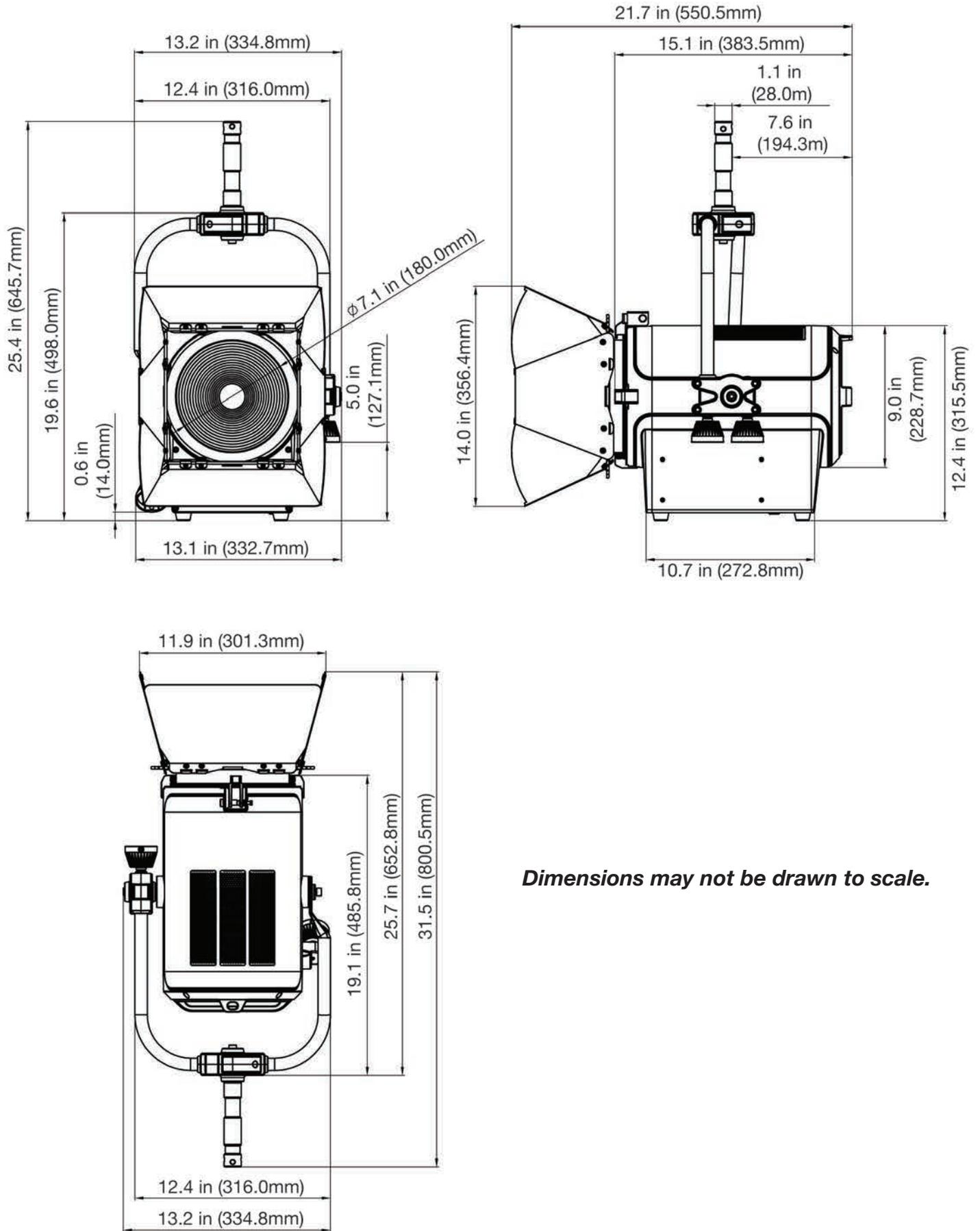
COLOR TEMPERATURE CHART

DMX VALUE	COLOR TEMPERATURE (K)	DMX VALUE	COLOR TEMPERATURE (K)
024	2400	055	5500
025	2500	056	5600
026	2600	057	5700
027	2700	058	5800
028	2800	059	5900
029	2900	060	6000
030	3000	061	6100
031	3100	062	6200
032	3200	063	6300
033	3300	064	6400
034	3400	065	6500
035	3500	066	6600
036	3600	067	6700
037	3700	068	6800
038	3800	069	6900
039	3900	070	7000
040	4000	071	7100
041	4100	072	7200
042	4200	073	7300
043	4300	074	7400
044	4400	075	7500
045	4500	076	7600
046	4600	077	7700
047	4700	078	7800
048	4800	079	7900
049	4900	080	8000
050	5000	081	8100
051	5100	082	8200
052	5200	083	8300
053	5300	084	8400
054	5400	085	8500

COLOR MACROS CHART

DMX Values	Filter Number	Name	DMX Values	Filter Number	Name
1	7	Pale Yellow	28	113	Magenta
2	103	Straw	29	46	Dark Magenta
3	151	Gold Tint	30	48	Rose Purple
4	100	Spring Yellow	31	126	Mauve
5	10	Medium Yellow	32	49	Medium Purple
6	101	Yellow	33	58	Lavender
7	104	Deep Amber	34	199	Palace Blue
8	15	Deep Straw	35	119	Dark Blue
9	179	Loving Amber	36	132	Medium Blue
10	21	Gold Amber	37	120	Deep Blue
11	105	Orange	38	165	Daylight Blue
12	158	Deep Orange	39	161	Slate Blue
13	22	Dark Amber	40	118	Light Blue
14	778	Millennium Gold	41	68	Sky Blue
15	135	Deep Golden Amber	42	143	Pale Navy Blue
16	24	Scarlet	43	131	Marine Blue
17	106	Primary Red	44	115	Peacock Blue
18	26	Bright Red	45	172	Lagoon Blue
19	27	Medium Red	46	116	Medium Blue Green
20	19	Fire	47	90	Dark Yellow Green
21	157	Pink	48	139	Primary Green
22	36	Medium Pink	49	122	Fern Green
23	111	Dark Pink	50	89	Moss Green
24	128	Bright Pink	51	124	Dark Green
25	148	Bright Rose	52	88	Lime Green
26	332	Special Rose Pink	53	138	Pale Green
27	793	Vanity Fair	54-179		No function

DIMENSIONAL DRAWINGS



Dimensions may not be drawn to scale.

SPECIFICATIONS

SOURCE

6500K RGBMA LED Engine

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

18,000+ Total Lumen Output

CRI 92

TLCI 95

Zoom Range 10° - 50°

Beam Angle 10.5° - 49.9°

Field Angle 21° - 66.6°

EFFECTS

Pole-Operated Pan, Tilt, Zoom

Electronic Dimmer and Strobe

Variable 16-bit Dimming Modes and Curves

COLOR

RGBMA Color Array

CMY Emulation

Variable CCT 2,400K - 8,500K

Green/Magenta Shift

Virtual Gel Swatch Book

CONTROL / CONNECTIONS

6 DMX Channel Modes (1 to 18 channels)

Manual and DMX Controlled Dimmer, Color and Zoom

Dual Rotary Dials

4 Button Control Panel, LED Display

RDM (Remote Device Management)

3/5pin DMX and IP65 Locking Power In/Out Connection

SIZE / WEIGHT

Length: 15.1" (383.5mm)

Width: 13.2" (334.85mm)

Vertical Height: 19.6" (498mm)

Weight: 28.6 lbs. (13kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

522W Max Power Consumption

5°F to 113°F (-15°C to 45°C)

INCLUDED ITEMS

Gel Frame and Rotating 8-leaf Barn Doors

Junior Pin (1 1/8" - 28mm)

IP65 Locking Power Cable

APPROVALS / RATINGS

(pending) CE | cETLus | IP20

Specifications and documentation subject to change without notice.

ORDERING INFORMATION

ITEM DESCRIPTION	SKU
Elation KL Fresnel 8 FC PO	KLF857

ERROR CODES

CODE	ERROR
TEMP	Temperature Error

