



FRESNEL 8 CW

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
03/02/19	1.0	1.02	1 / 2 / 3 / 4 / 5 Ch	Initial release
10/02/20	1.1	N/C	No Change	Updated box contents, specs, and refresh frequency
05/28/21	1.2	N/C	No Change	Added standalone instructions to System Menu
06/15/23	1.3	N/C	No Change	Updated General Info, Installation Guidelines, System Menu, Dimmer Curves, Specifications; added Accessory Installation, 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. **This unit is intended for use by trained professionals only, and is not suitable for private use.**

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

Barn Door (x1)
Gel Frame (x1)
Power Cable (x1)
Barn Door Safety Cable - USA Only (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

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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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.

LIMITED WARRANTY (USA ONLY)

- 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 servicing.
- **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

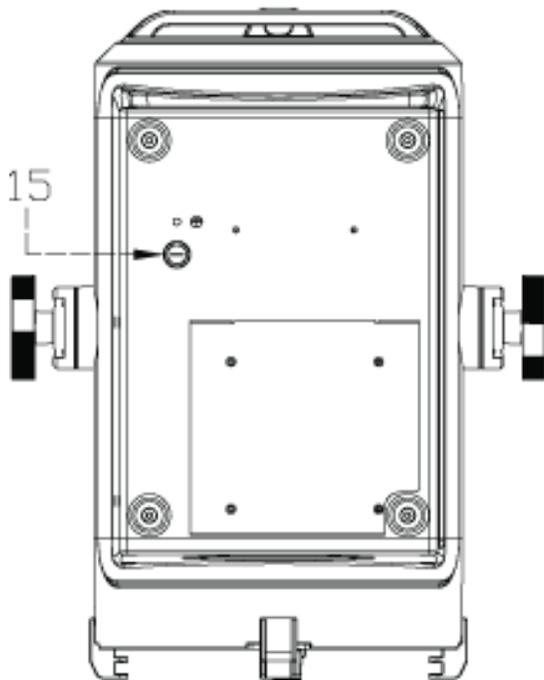
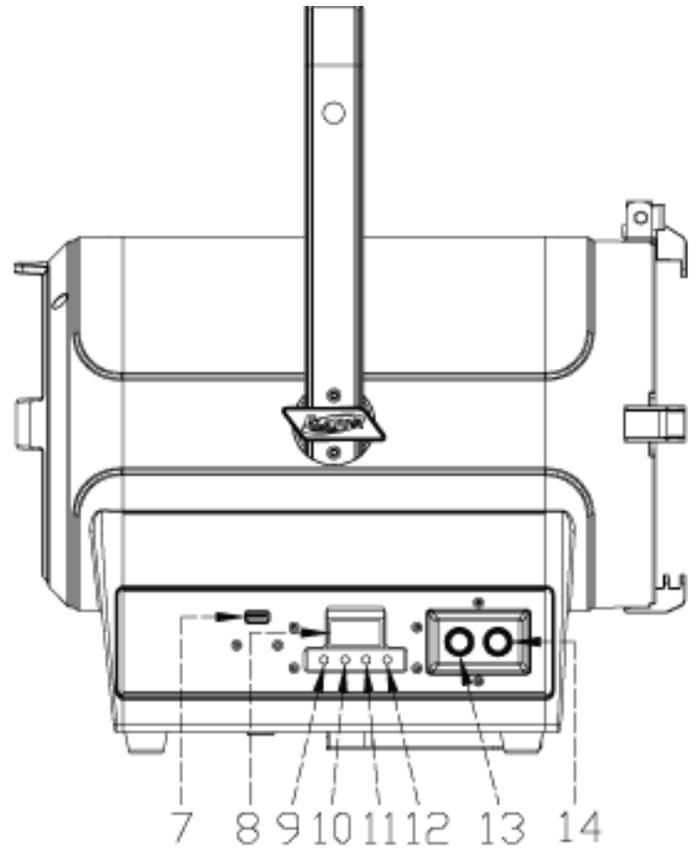
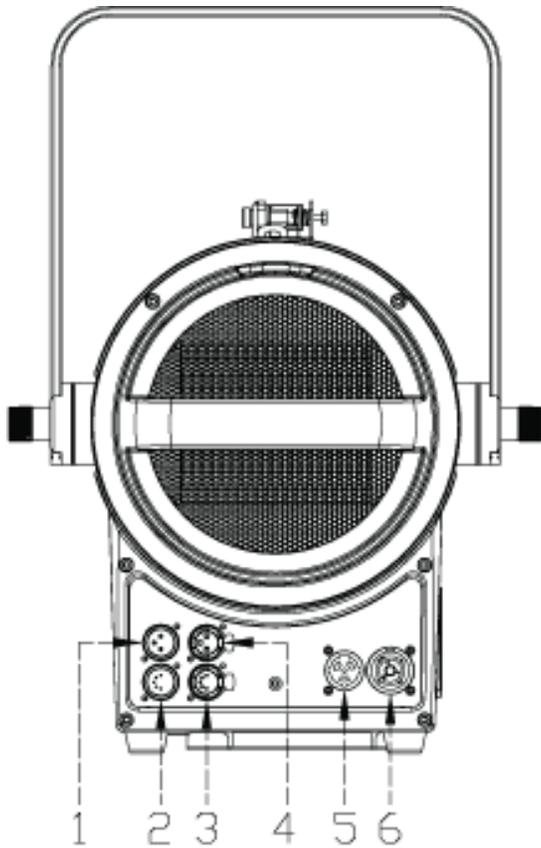
Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from an authorized Elation 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. 3pin DMX In
2. 5pin DMX In
3. 5pin DMX Out
4. 3pin DMX Out
5. Power In
6. Power Out
7. USB Software Update Port
8. OLED Control Menu Display
9. Mode Button
10. Up Button
11. Down Button
12. Enter Button
13. Manual Dimming Control
14. Manual Zoom Control
15. Fuse

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 **14°F to 113°F (-10°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.

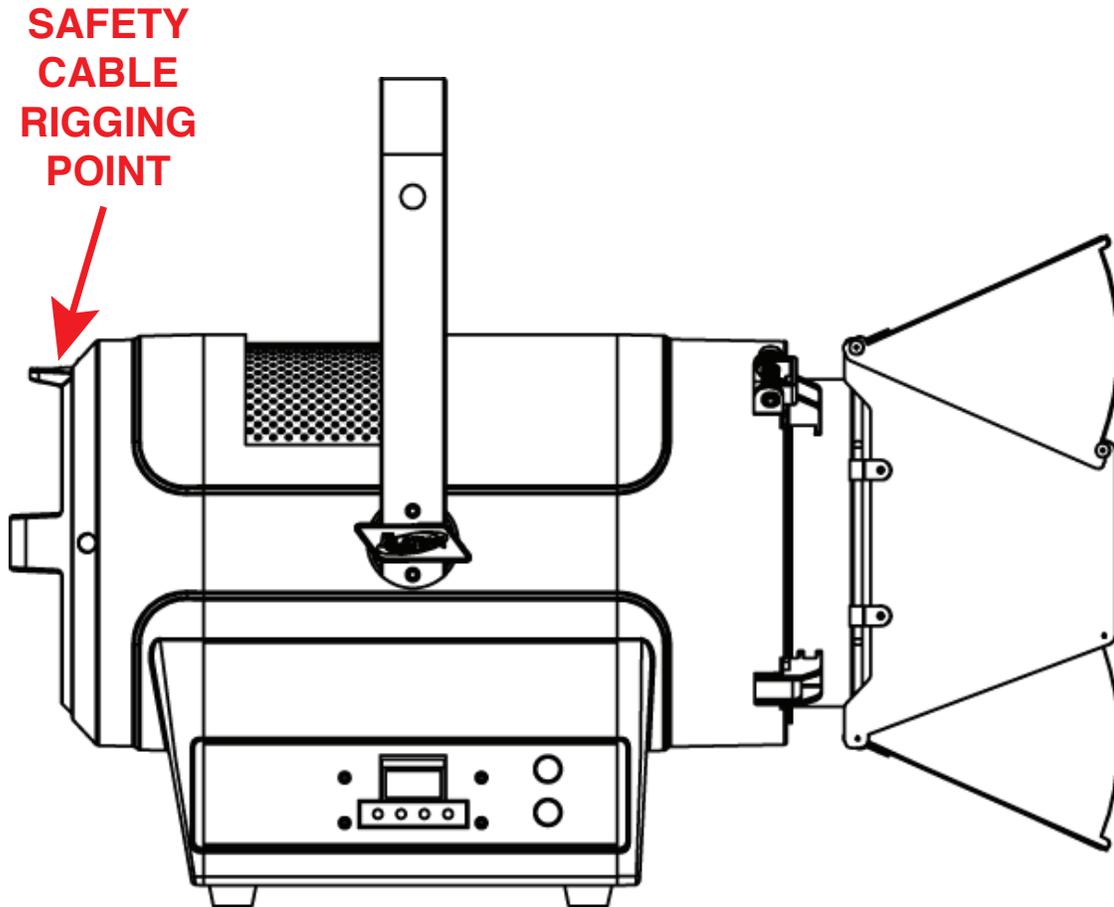
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that can support at least 10 times the weight of the fixture.

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

INSTALLATION INSTRUCTIONS

CLAMP INSTALLATION

The fixture features an adjustable mounting yoke and safety cable rigging point, as shown in the illustration below. When mounting this fixture to a truss, always secure an appropriately rated mounting clamp (not included) to the yoke using an M10 screw, and attach a SAFETY CABLE to the designated rigging point.

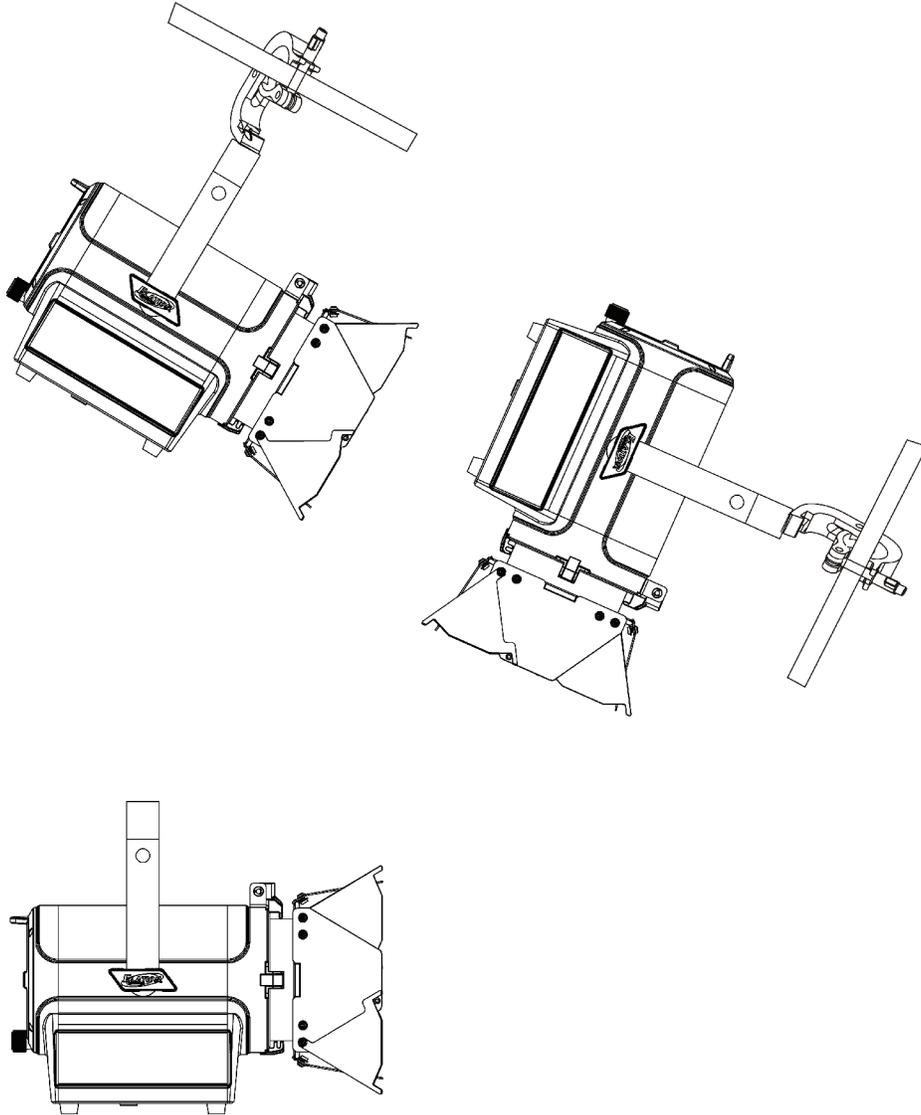


ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THAT THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

INSTALLATION INSTRUCTIONS

RIGGING

Overhead rigging requires extensive experience, calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture itself, among other skills. If you lack these qualifications, do not attempt to perform the installation yourself, as improper installation can result in bodily injury. The fixture is fully operational in the specific mounting positions illustrated below.

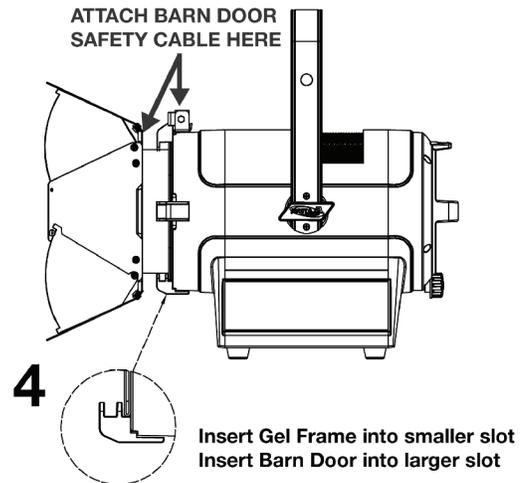
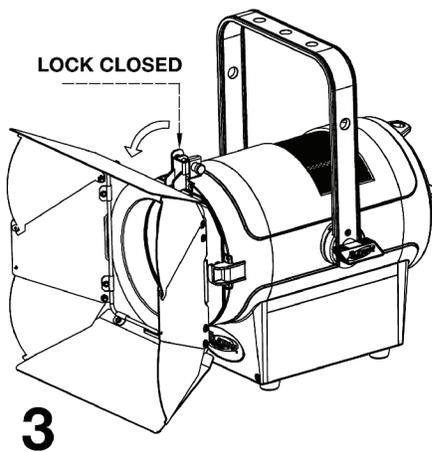
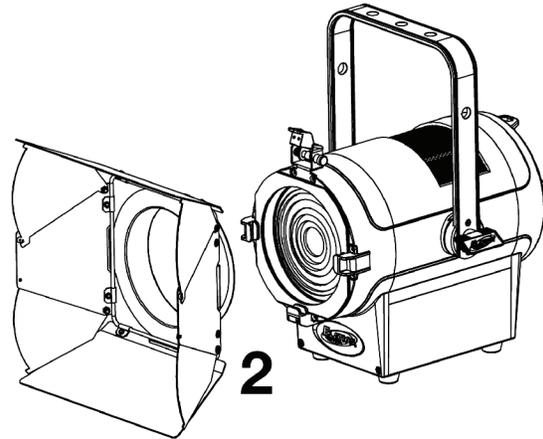
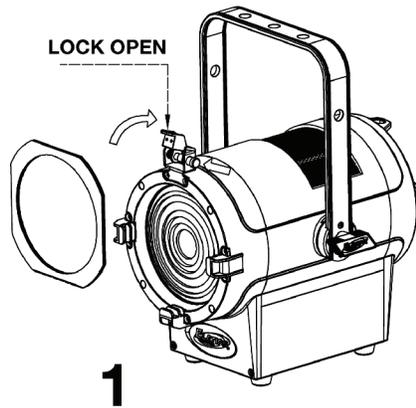


ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THAT THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

ACCESSORY INSTALLATION

GEL FRAME AND BARNDOOR

The fixture has 2 slots on the front, which can be used for the installation of the Gel Frame and Barn Door. The first, smaller slot is for the Gel Frame, and the second, larger slot is for the Barn Door. The fixture also has a top lock that secures these accessories in place. **Please note that the Barn Door requires its own, separate safety cable, which is included.**

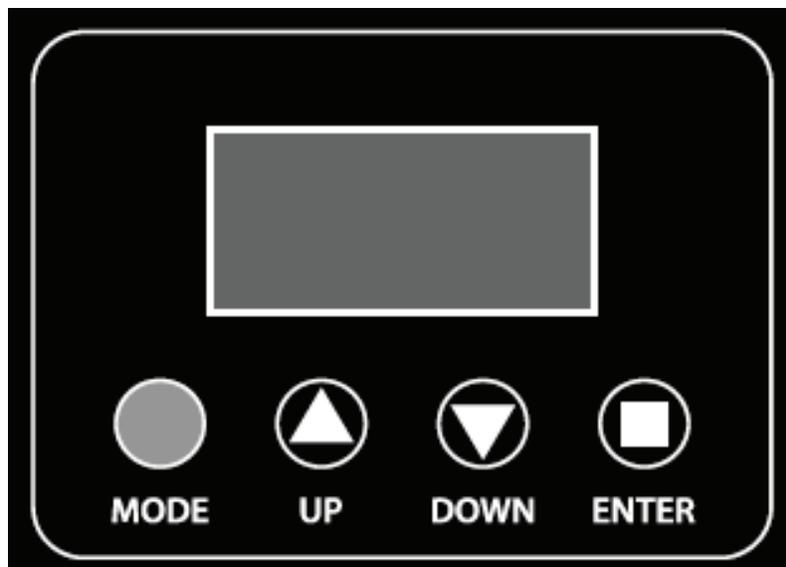


1. Lift the lock on top of fixture and insert the Gel Frame into the first slot (closest to the lens of the fixture).
2. Insert the Barn Door into the second slot.
3. Lower the lock on top of the fixture to secure both the Gel Frame and Barn Door in place.
4. Secure the included mini SAFETY CABLE to the Barn Door and top lock.

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** button.

Note: To access the LCD Menu Control Display when locked, press and hold the **MODE** button for 3 seconds. The LCD Menu Control Display will shut OFF automatically about 1 minute of inactivity.



STANDALONE

Press the **MODE** button to access the fixture's main menu. Use the **UP** and **DOWN** buttons to navigate to DMX Settings and press the **ENTER** button. Navigate to No DMX Status and press the **ENTER** button. Navigate to Standalone and press the **ENTER** button.

SOFTWARE UPDATES

The unit's control panel also includes a USB service port that can be used to perform software updates to the unit, using either a USB stick or a C-Loader II software updater device. Please refer to the **Software Updates** section of this manual for detailed information.

SYSTEM MENU

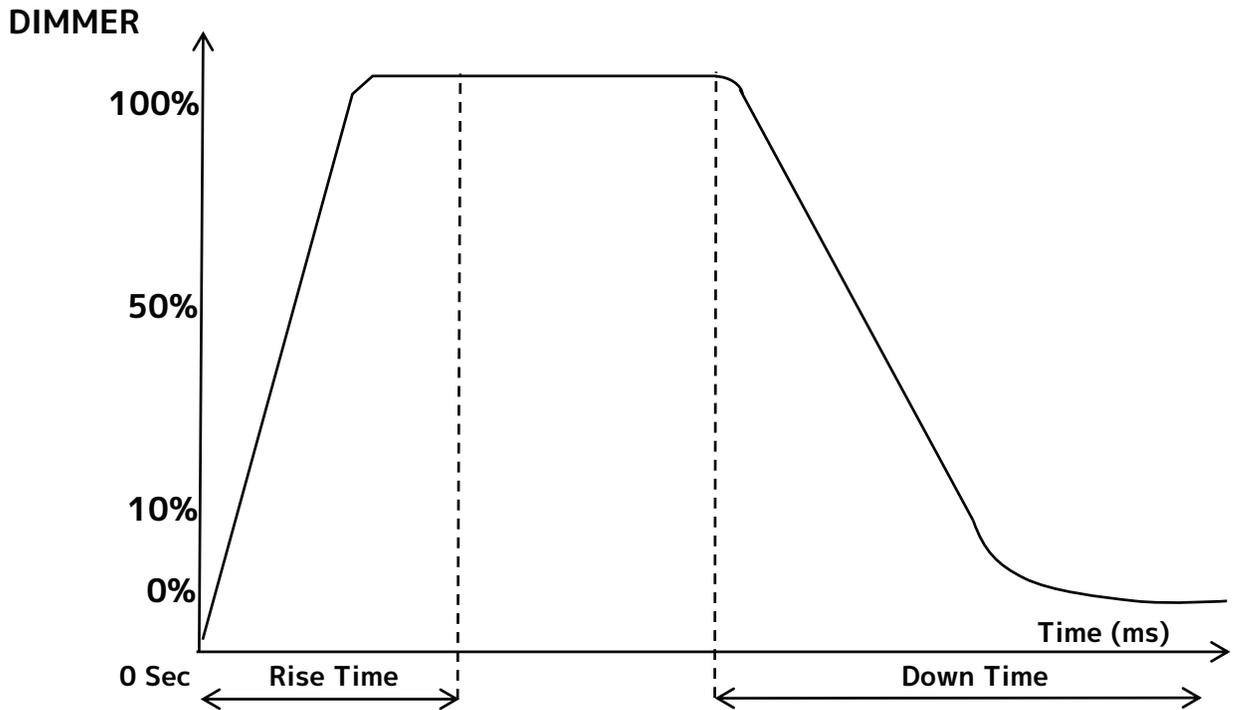
ELATION KL Fresnel 8 CW - System Menu				
Supports Software Versions: 1.02				
ADDRESS	Set DMX Address	001 - xxx		Set DMX address settings
USERMODE	User Mode	Dimmer		Set DMX channel mode
		Dimmer 16bit		
		3CH		
		Standard		
		Extended		
FUNCTION	Status	Lost DMX	Hold / Black	Function if DMX signal lost or interrupted
	LCD Set	Display	On / Off	Turns screen off after 30sec of inactivity; only operates when DMX is connected
		Key Lock	On / Off	Lock control panel keys
		Flash	On / Off	Display flashes when DMX not connected
		Invert	On / Off	Flip screen display orientation
	Temp C/F	C / F		Temperature display units
	Dim Mode	Standard		Set dimmer mode
		Stage		
		TV		
		Architec		
		Theatre		
		Stage 2		
	Disp Set	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		
		Addr		Select info to display on screen
		Disp Ch		
Fan Set	Sec			
	LED Fan	Auto	Set LED fan speed	
		High		
Low				
Dim Curve	Linear		Set dimmer curve mode	
	Square			
	Inv Square			
	S-Curve			
Frequen	900Hz, 1000Hz, 1100Hz, 1200Hz , 1300Hz, 1400Hz, 1500Hz, 2500Hz, 4000Hz, 5000Hz, 10KHz, 15KHz, 20KHz, 25KHz		Set LED refresh frequency	
CONTINUED ON NEXT PAGE				

SYSTEM MENU

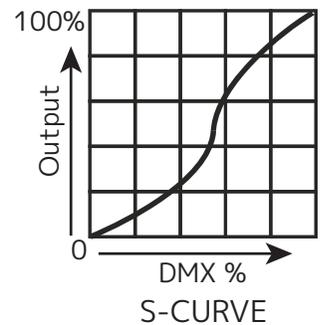
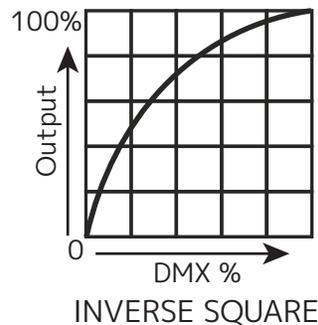
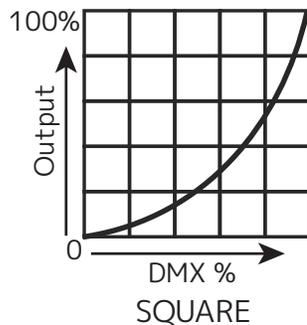
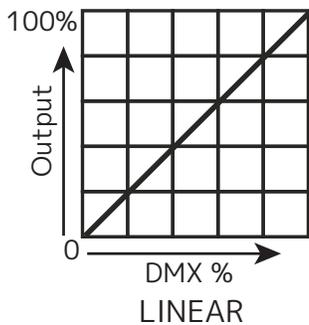
FUNCTION (continued)	USB Data	On / Off		Software update port; contact Elation Service for guidance
	Primary SW	On / Off		Set unit to primary mode
	DFSE	On / Off		Restore factory settings
INFO	Time Info	Current	xxx hours	Fixture run time from power ON
		Total	xxx hours	Fixture total run time
		Last	xxx hours	Fixture run time since last cleared
		Clear Password = 050	On / Off	Reset fixture last run time
	Temp Info	LED Temp	xxx C / F	Current LED temperature
	Err Info	Error Record 1 ~ 10		Display last 10 error mes- sages
	Model Inf	KL F8 CW		Display model name
	Software	Software	Vx.xx	Software version
TEST	Reset M	Zoom		Reset zoom motors
	Man Ctrl	Dimmer	000 - 255	Manual control functions
		Strobe	000 - 255	
		Zoom	000 - 255	
Calibrat	Password = 050		Calibration	

DIMMER CURVE MODES

Select desired DIMMER MODE (Standard, Stage, TV, Architectural, Theatre, Stage2).



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



MANUAL DIMMING AND ZOOM CONTROL

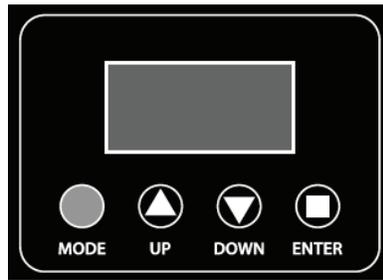
FEATURE IS DISABLED WHEN DMX INPUT CABLE IS CONNECTED TO FIXTURE! TO USE DIMMING AND ZOOM KNOBS, DISCONNECT DMX CABLE IF CONNECTED.

Follow steps below to enable manual DIMMING and ZOOM control knobs.

1. Access fixture system menu navigating to Test menu then access ManCtrl sub menu.

MAIN MENU	SUB MENU	OPTIONS / VALUES	DESCRIPTION
Test	Reset M	Zoom	Reset Zoom Motor
	Man Ctrl	Dimmer	Manual Control Functions
		Zoom	
		Strobe	
Calibrat	Password = 050	Calibrate	

NOTE: To access the LCD Menu Control Display when locked/OFF, press and hold the MODE button for 3 seconds.



2. Select the Strobe menu, then set to a value of 255 (LED On). Exit back out to the fixture system menu.
3. Unlock the DIMMING knob by pushing down once on the knob, rotate the knob to adjust dimming to the desired level, and push down on the knob once again to lock it. Repeat this process each time a dimming adjustment is needed.
4. Unlock the ZOOM knob by pushing down once on the knob, rotate the knob to adjust zoom to the desired level, and push down on the knob once again to lock it. Repeat this process each time a zoom adjustment is needed.

LCD DISPLAY



DMX CABLE CONNECTED



NO DMX CABLE CONNECTED

DMX CHANNEL FUNCTIONS AND VALUES

ELATION KL Fresnel 8 CW - DMX Traits						
Supports Software Versions: 1.02						
CHANNEL					DMX VALUES	FUNCTION
Dimmer	Dimmer 16bit	3Ch	Std	Ext		
1	1	1	1	1	000 - 255	Dimmer Intensity , 0% to 100%
	2		2	2	000 - 255	Dimmer Intensity Fine
		2	3	3		Shutter / Strobe
					000 - 031	LED Off
					032 - 063	LED On
					064 - 095	Strobe Effect, slow to fast
					096 - 127	LED On
					128 - 159	Pulse Effect, slow to fast
					160 - 191	LED On
					192 - 223	Random Strobe Effect, slow to fast
					224 - 255	LED On
2	3	3	4	4	000 - 255	Motorized Zoom , small to large
			5	5	000 - 255	Motorized Zoom Fine
						Dimmer Modes / Dimmer Delay Times
					000 - 020	Standard
					021 - 040	Stage
					041 - 060	TV
					061 - 080	Architectural
					081 - 100	Theatre
					101 - 120	Stage 2
					121	Delay Time 0.0s
					122	Delay Time 0.1s
					123	Delay Time 0.2s
					124	Delay Time 0.3s
					125	Delay Time 0.4s
					126	Delay Time 0.5s
					127	Delay Time 0.6s
					128	Delay Time 0.7s
					129	Delay Time 0.8s
					130	Delay Time 0.9s
					131	Delay Time 1.0s
					132	Delay Time 1.5s
					133	Delay Time 2.0s
					134	Delay Time 3.0s
					135	Delay Time 4.0s
					136	Delay Time 5.0s
					137	Delay Time 6.0s
					138	Delay Time 7.0s

CONTINUED ON NEXT PAGE

DMX CHANNEL FUNCTIONS AND VALUES

CHANNEL					DMX VALUES	FUNCTION
Dimmer	Dimmer 16bit	3CH	Std	Ext		
			6	6		Dimmer Modes / Dimmer Delay Times (continued)
					139	Delay Time 8.0s
					140	Delay Time 9.0s
					141	Delay Time 10.0s
					142 - 255	Default
			7			LED Refresh Rate / Dimmer Curves , hold selected DMX value for 5sec to set LED refresh rate
					000 - 100	Idle
					101 - 105	900 Hz
					106 - 110	1000 Hz
					111 - 115	1100 Hz
					116 - 120	1200 Hz
					121 - 125	1300 Hz
					126 - 130	1400 Hz
					131 - 135	1500 Hz
					136 - 140	2500 Hz
					141 - 145	4000 Hz
					146 - 150	5000 Hz
					151 - 155	10 KHz
					156 - 160	15 KHz
					161 - 165	20 KHz
					166 - 170	25 KHz
					171 - 200	Idle
					201 - 210	Dimmer Curve Linear (default)
					211 - 220	Dimmer Curve Square
					221 - 230	Dimmer Curve Inverse Square
			231 - 240	Dimmer Curve S-Curve		
			241 - 255	Idle		

SOFTWARE UPDATES

A USB FLASH DRIVE CAN BE USED TO UPDATE THE FIXTURE TO THE LATEST SOFTWARE.

Using a USB Flash Drive loaded with the latest software, insert it into the USB Service Port, then navigate to FUNCTION > USB DATA, and toggle this setting to ON. Contact Elation service for additional instructions, or to obtain a copy of the latest software.

AN ELATION C-LOADER II CAN ALSO BE USED TO UPDATE THE FIXTURE TO THE LATEST SOFTWARE. To order this device, please contact Elation Support for further details.

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

SPECIFICATIONS

SOURCE

350W Cool White LED Engine, 5,600K, 97CRI
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

up to 14,000 Total Lumen Output
16,762 LUX 1,557 FC @ 9.8' (3m) (Min. Zoom)
1462 LUX 136 FC @ 9.8' (3m) (Max. Zoom)
Zoom Range 11° - 56°
Beam Angle 11° - 56.2°
Field Angle 17.9° - 77°

EFFECTS

Motorized Zoom
Electronic Dimmer and Strobe
Variable 16-bit Dimming Modes and Curves

COLOR

5,600K Cool White LED

CONTROL / CONNECTIONS

Manual and DMX Controlled Dimmer, Shutter and Zoom
Dimmer and Zoom Rotary Dials
(5) DMX Channel Modes (2 / 3 / 3 / 6 / 7)
4 Button Control Panel LCD Menu Display
RDM (Remote Device Management)
3/5pin DMX and IP65 Locking Power In/Out Connection
With Wired Digital Communication Network

SIZE / WEIGHT

Length: 17.5" (445mm)
Width: 12.89" (327.5mm)
Vertical Height: 17.95" (456mm)
Weight: 28.0 lbs. (12.7kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz
430W Max Power Consumption
5°F to 113°F (-15°C to 45°C)
Power Linking: 3Pcs @ 110V / 6Pcs @ 240V

INCLUDED ITEMS

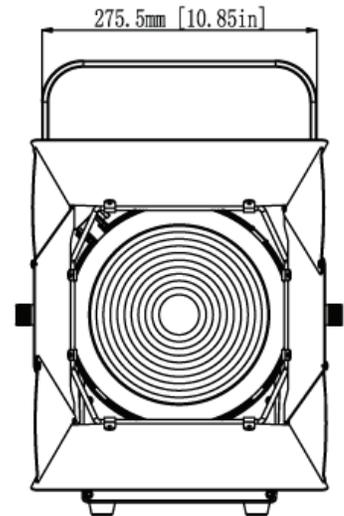
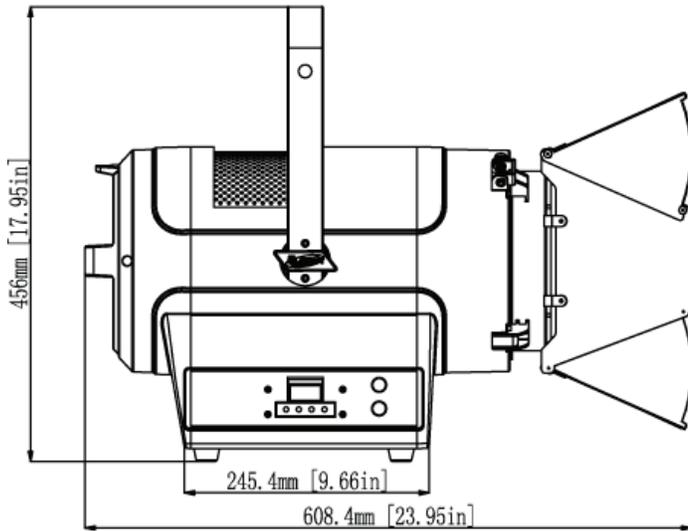
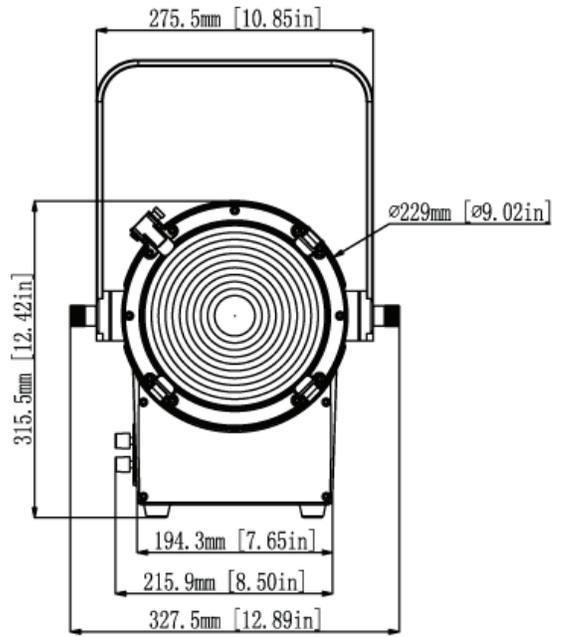
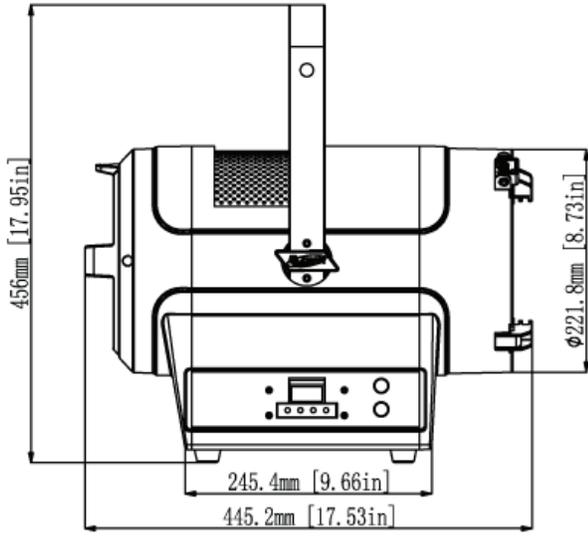
Gel Frame and Rotating Barn Doors
IP65 Locking Power Cable

APPROVALS / RATINGS

CE | cETLus | IP20



DIMENSIONAL DRAWINGS



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 receiver to electrical outlets on two separate circuits.
- Consult the dealer or an experienced radio/TV technician for help.



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