

# ***ELATION***<sup>®</sup>



## **PROFILE COMPACT**

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](http://www.elationlighting.com) for the latest revision/update of this manual, before installation and/or programming.

Date	Document Version	Software Version	DMX Channels	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. **This device is intended for use by trained personnel 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

Gel Frame (x1)  
Size 'M' Metal Gobo Holder (x1)  
Safety Cable (x1)  
IP65 Locking Power Cable (x1)

## CUSTOMER SUPPORT

Contact ELATION Service for any product related service and support needs. Also visit [forums.elationlighting.com](https://forums.elationlighting.com) with questions, comments or suggestions.

**ELATION SERVICE USA** - Monday - Friday 8:00am to 4:30pm PST  
323-582-3322 | [support@elationlighting.com](mailto: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](mailto:support@elationlighting.eu)

**REPLACEMENT PARTS** - please visit [parts.elationlighting.com](https://parts.elationlighting.com)

**WARNING! THIS UNIT IS INTENDED FOR INDOOR USE ONLY! DO NOT EXPOSE TO RAIN OR MOISTURE!**

**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 end to end general manufacturing defects in material and workmanship for a period of five years (1,825 days), Elation Professional LED arrays to be free of manufacturing defects in material and workmanship for five years (1,825 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 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 accompany 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 a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

# SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee a 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 (omega brackets) 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 FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURE'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.**



**DO NOT PLUG FIXTURE INTO A DIMMER PACK!  
NEVER OPEN THIS FIXTURE WHILE IN USE!  
UNPLUG POWER BEFORE SERVICING FIXTURE!  
NEVER TOUCH FIXTURE DURING OPERATION, AS IT 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!**



**MINIMUM DISTANCE TO OBJECTS/SURFACES MUST BE 1 FOOT (0.3 METERS)  
AMBIENT OPERATING TEMPERATURE RANGE IS -22°F TO 113°F (-30°C TO 45°C)  
MINIMUM DISTANCE OF INFLAMMABLE MATERIALS FROM THE SURFACE 3.2 FEET  
(1 METER)**

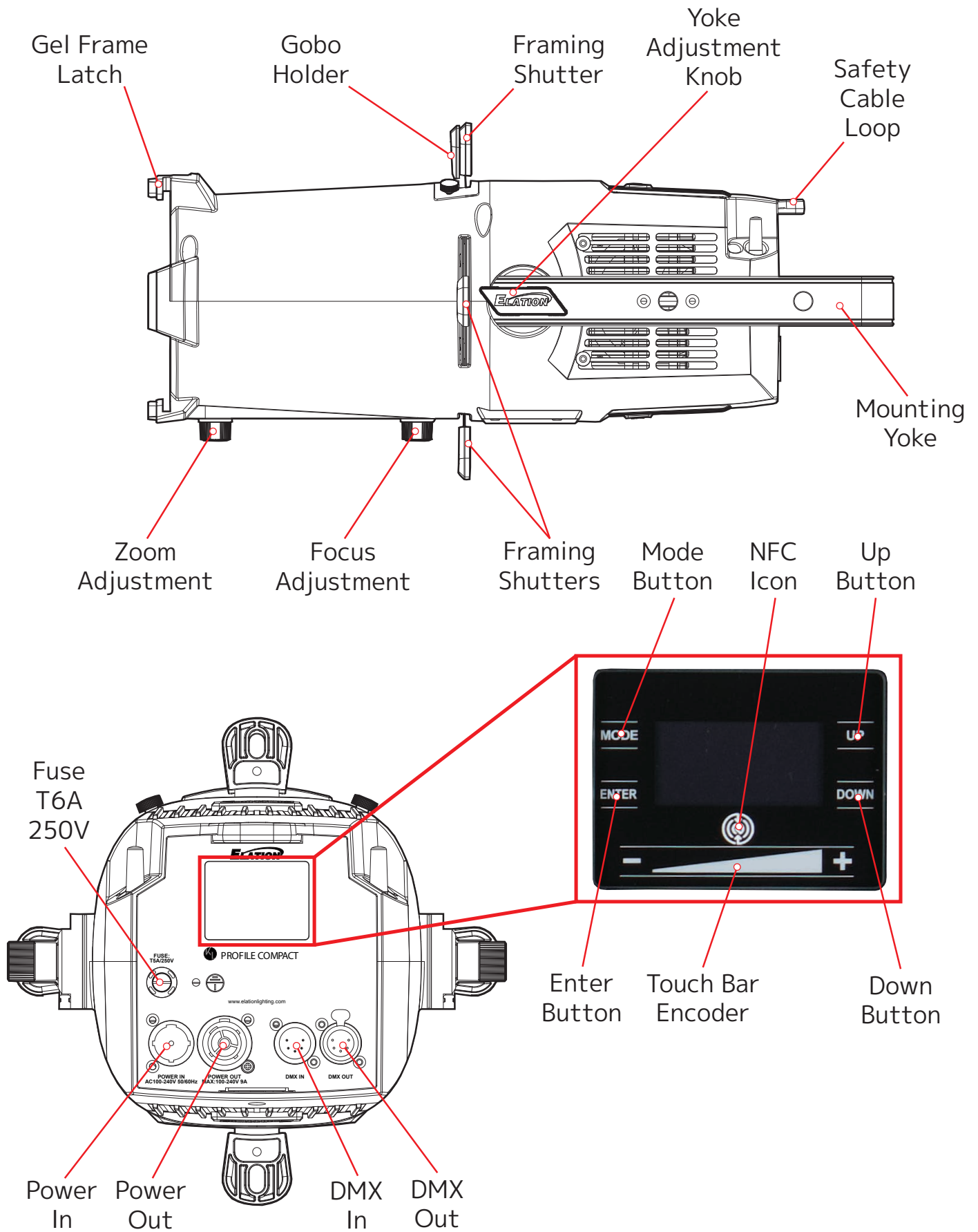


**INDOOR / DRY LOCATIONS USE ONLY!  
DO NOT EXPOSE DEVICES TO RAIN AND/OR MOISTURE!**

# SAFETY PRECAUTIONS

- **DO NOT** expose the fixture to rain or moisture, or spill liquids into or onto the fixture! The fixture is intended for use in dry, indoor environments only!
- **DO NOT** shake fixture, and avoid using brute force when installing and/or operating the fixture.
- **DO NOT** operate the fixture if the power cord is frayed, crimped, damaged, and/or if any of the power cord connectors are damaged and do not plug 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 power rating.
- **DO NOT** block any air ventilation slots.
- All fan and air inlets must remain clean and never blocked.
- Leave approx. 6" (15cm) between the fixture and other devices or a wall in order to allow for proper cooling.
- Always disconnect the fixture from the main power source before performing any type of service and/or cleaning procedure.
- Only handle the power cord by the plug end. Never pull out the plug by tugging on the wire portion of the cord.
- If this fixture is installed in an overhead position with the optional gel frame or barndoors fitted, the fixture must be positioned with the lens frame latch oriented upward. Doing so will ensure that the gel frame or barndoor assembly will not fall in the event that the latch fails.
- 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. This 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.

# OVERVIEW





# INSTALLATION GUIDELINES



## FLAMMABLE MATERIAL WARNING

Keep fixture minimum 1.6 feet (0.5m) 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 SURFACES/OBJECTS IS 1 FOOT (0.3 METER).**

**MINIMUM DISTANCE TO FLAMMABLE MATERIALS IS 1.6 FEET (0.5 METER).**

**AMBIENT TEMPERATURE RANGE IS 5° F TO 113° F (-15° C TO 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 the fixture to any metal truss/structure or placing the fixture 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, clamps, cables, and accessories.

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

Fixture is intended for installation in dry, indoor environments only! Damage resulting from exposure to rain or moisture will void your manufacturer's warranty.

Fixture ambient operating temperature range is **5°F to 113°F (-15°C to 45°C)**. Do not operate the fixture when the 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.

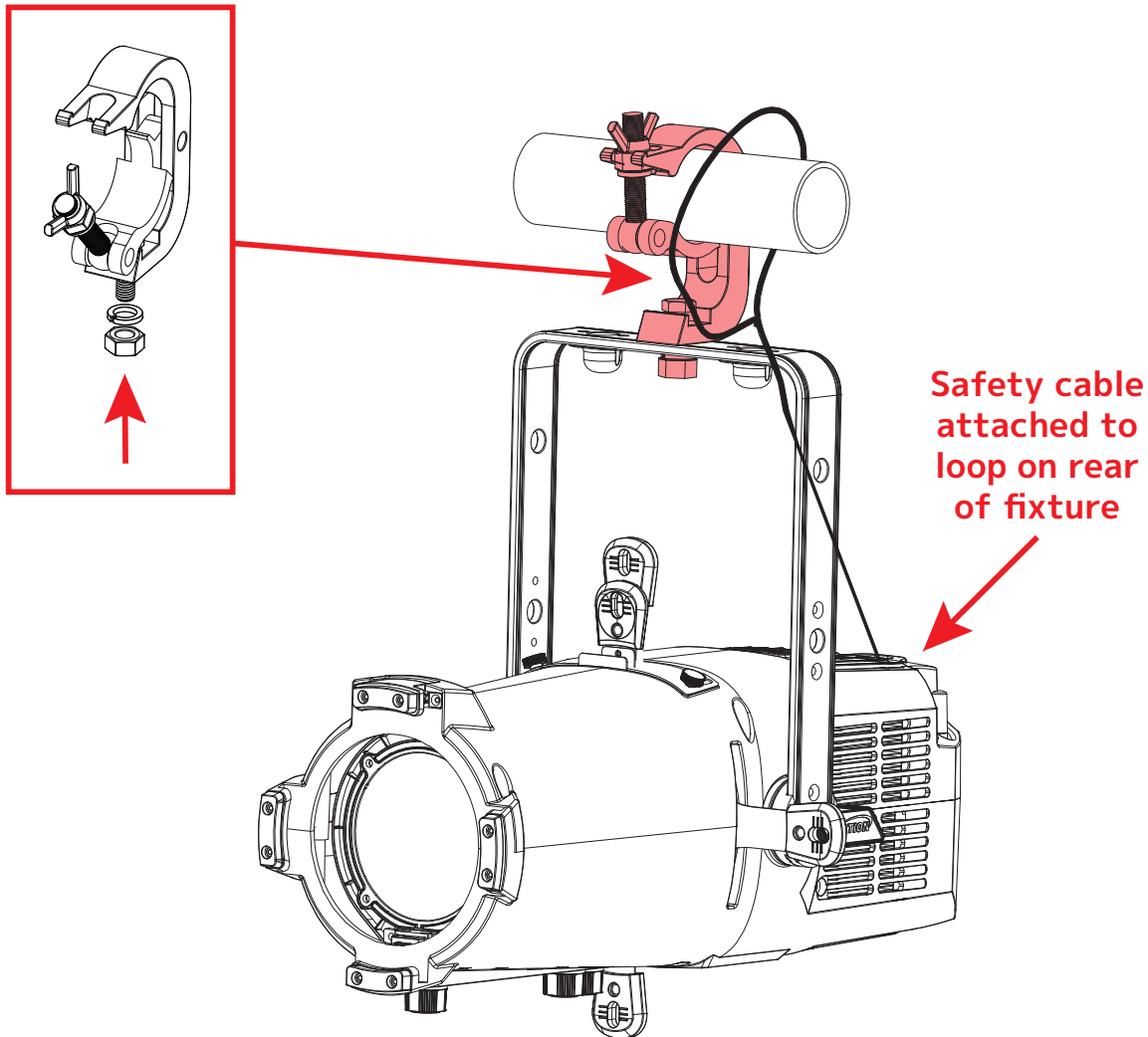
Allow approximately 15 minutes for the fixture to cool down before servicing.

Powering down the fixture when not in use is strongly recommended.

# INSTALLATION GUIDELINES

**CLAMP INSTALLATION:** Insert a bolt of appropriate size and rating for the desired clamp (not included) through the mounting hole of the clamp (not included), and then insert it into the center hole on the top of the mounting yoke. The bolt should pass through both the clamp and the yoke. Thread a matching washer and locking nut onto the shaft of the bolt that extends out from the underside of the yoke.

**SAFETY CABLE:** The fixture provides a built-in rigging points for a Safety Cable on the rear of the fixture near the touch screen. Be sure to only use the designated rigging point for the safety cable, and never rely on any other location on the fixture to secure the safety cable.



## SAFETY CABLE:

**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. ONLY USE DESIGNATED RIGGING POINTS FOR SAFETY CABLE, AND NEVER ATTACH A SAFELY CABLE TO A CARRYING HANDLE.**



**IF THE FIXTURE IS FITTED WITH THE OPTIONAL GEL FRAME OR BARNDOR ASSEMBLY, THE FIXTURE MUST BE ORIENTED WITH THE LATCH FACING UPWARDS. THIS IS TO PREVENT THESE ACCESSORIES FROM FALLING IN THE EVENT THAT THE LATCH FAILS.**

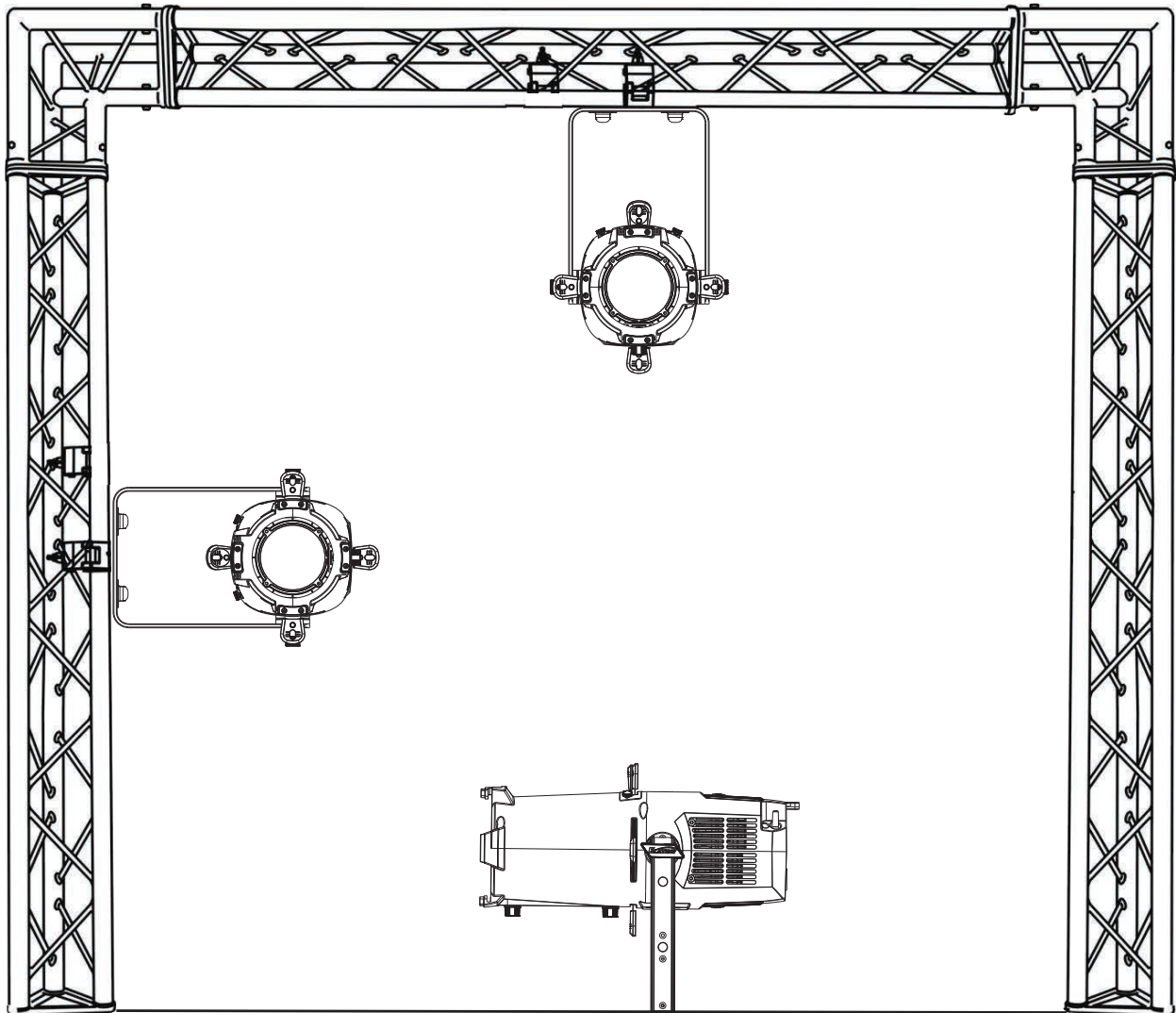


# INSTALLATION GUIDELINES

## RIGGING

Overhead rigging requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture, among other skills. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

The fixture is fully operational in the following positions: hanging from a horizontal truss, suspended sideways from a vertical truss, or standing upright on a flat, level surface. See the illustration below for reference.



### SAFETY CABLE:

**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. ONLY USE DESIGNATED RIGGING POINTS FOR SAFETY CABLE, AND NEVER ATTACH A SAFELY CABLE TO A CARRYING HANDLE.**



**IF THE FIXTURE IS FITTED WITH THE OPTIONAL GEL FRAME OR BARNDOOR ASSEMBLY, THE FIXTURE MUST BE ORIENTED WITH THE LATCH FACING UPWARDS. THIS IS TO PREVENT THESE ACCESSORIES FROM FALLING IN THE EVENT THAT THE LATCH FAILS.**



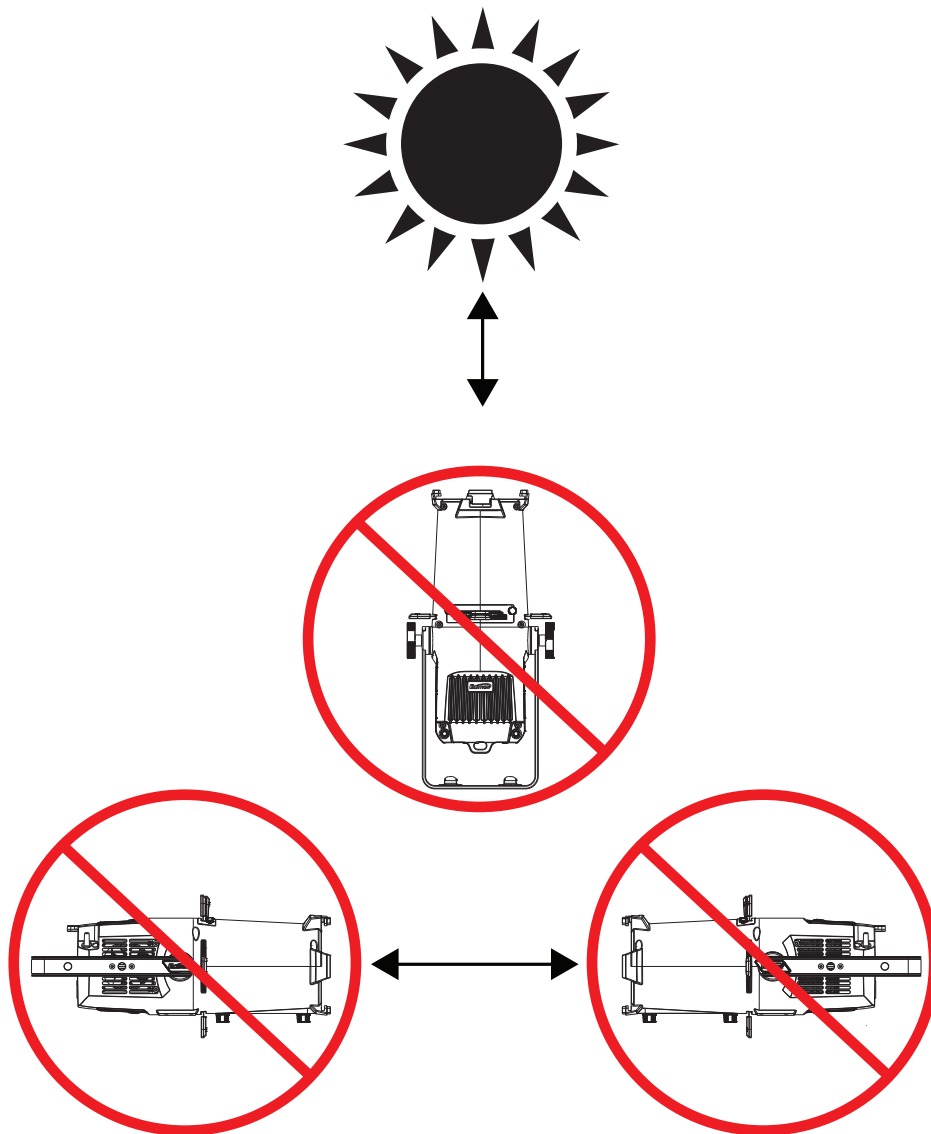
# INSTALLATION GUIDELINES

## POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams from direct sunlight, lighting and moving head fixtures, and lasers, which are focused directly towards the exterior housing and/or penetrate the front lens opening of Elation lighting fixtures, can cause severe internal damage including burning of optics, dichroic color filters, glass and metal gobos, prisms, animation wheels, frost filters, iris, shutters, motors, belts, wiring, discharge lamps, and LEDs.

This issue is not specific only to Elation lighting fixtures, but rather it is a common issue with lighting fixtures from all manufacturers. Although there is no true way to fully prevent this issue from happening, the guidelines below can reduce the risk of potential damage. Contact Elation Service for more details.

**DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER FIXTURES, OR LASERS UNDER ANY CIRCUMSTANCES. PLEASE NOTE THAT THIS INCLUDES EXTENDED PERIODS OF NON-USE, AS DAMAGE CAN OCCUR EVEN WHEN THE FIXTURE IS OFF. NEVER FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.**

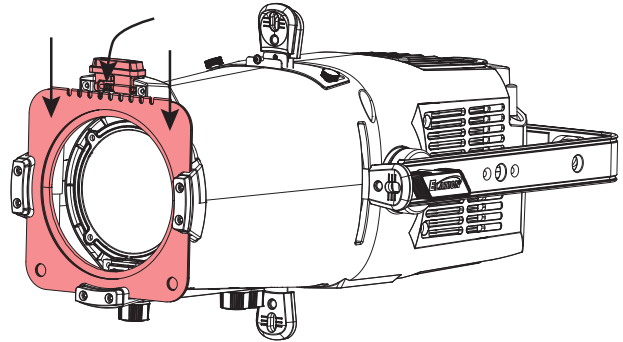
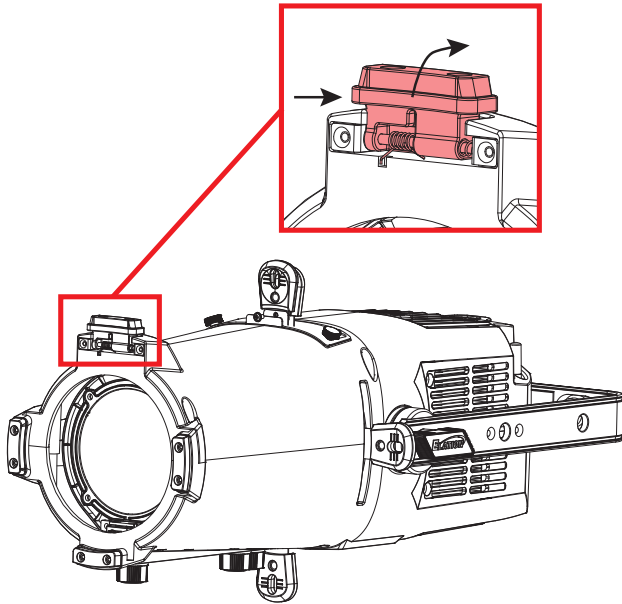


# ACCESSORY INSTALLATION

## GEL FRAME

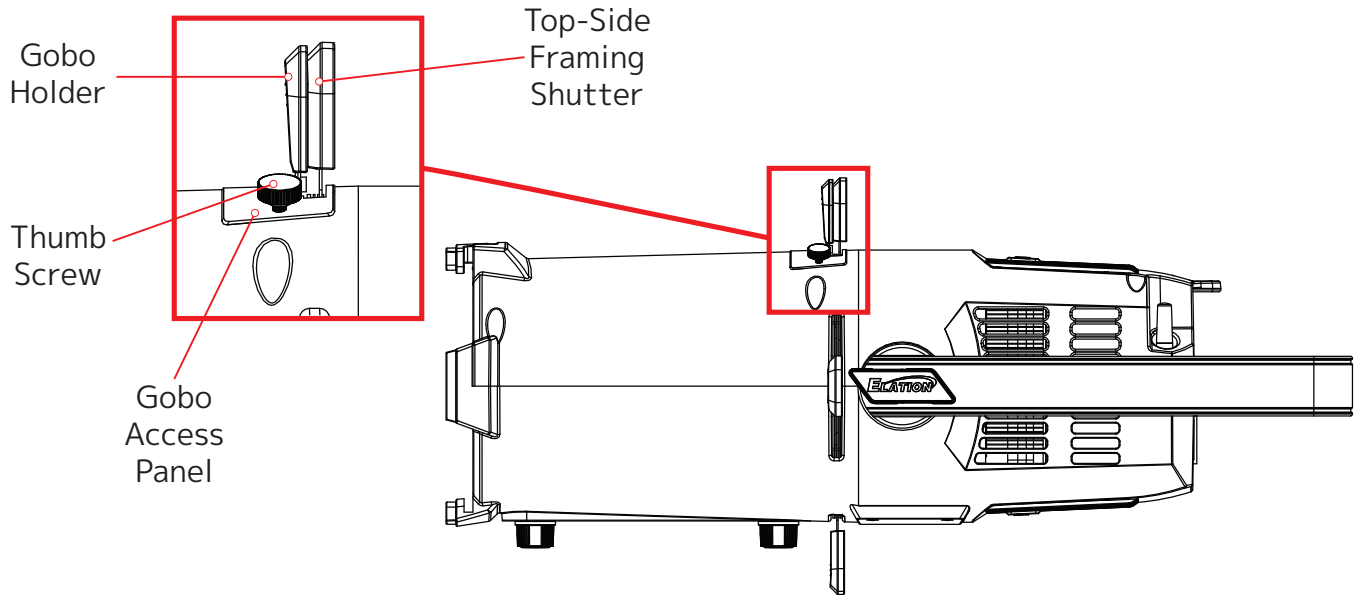
1. Position the fixture with the lens facing towards you and the lens frame latch oriented upwards. Push the latch to the right to unlock it, then open it by swinging it upwards.

2. Slide the gel frame into place in the lens frame slot. Flip the latch downwards to secure in place.

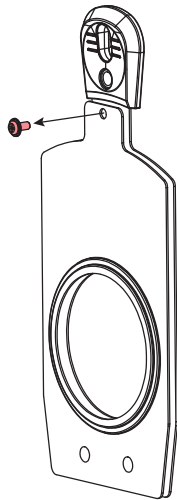


# GOBO INSTALLATION

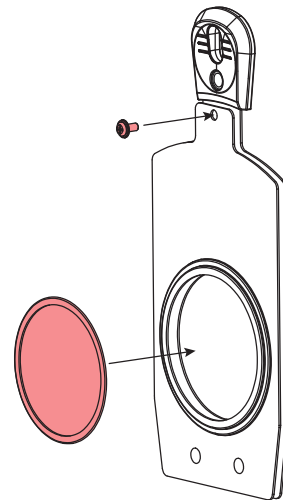
1. The gobo holder is located on the top of the fixture, directly in front of the top-side framing shutter. Loosen the two thumbscrews on the panel at the base of the gobo holder, then slide the panel aside to gain access to the gobo holder.



2. Remove the gobo holder from its slot in the fixture, then remove the screw near the top of the gobo holder.



3. Open the gobo holder and insert the desired gobo into the circular slot. Insert and tighten the screw at the top of the gobo holder to secure the gobo in place.



4. Install the gobo holder back into its slot in the fixture, then re-install the panel and secure in place with the two thumbscrews.

# COLOURTUNE TECHNOLOGY

The **KL Profile Compact** features our latest advanced fixture software, **ColourTune Technology**. This innovative software offers various features to enhance the control and precision of the fixture and the light it creates.

## COLOR TUNING

This feature allows users to select between Highest Output, Highest Fidelity, or a blend of both. When Highest Output is chosen, the fixture prioritizes intensity by producing the selected CCT and color settings at maximum output while maintaining the best color fidelity possible. When Highest Fidelity is selected, the fixture prioritizes light quality by generating the selected CCT and color settings at the highest fidelity possible while offering the best intensity it can. The difference between fidelity and output changes varies depending on the CCT and color settings. Selecting Balanced Output and Fidelity equally prioritizes fidelity and output to produce the selected CCT and color settings with balanced fidelity and output.

## OUTPUT BALANCE

Output Balance settings allow users to choose between Bright and Uniform (Elation Full Spectrum Match). This setting enables color tone balancing across multiple fixture models that also use Elation's Full Spectrum Engine. Selecting the Uniform setting reduces the intensity of some primary colors to ensure all mixed colors match across multiple fixture models. The Uniform setting also ensures color temperature and output levels are closely matched across fixtures of the same model.

## 16-BIT CCT CONTROL

In a DMX mode with 16-bit CCT control, fully variable CCT values are available, and adjustments of 1 degree Kelvin are achievable.

## DIM TO WARM

With this feature activated, the fixture emulates a tungsten lamp by decreasing the color temperature as it dims. This works with any set CCT value, and only affects the output if a base CCT is established.

## WHITE POINT ADJUSTMENT

The White Point Adjustment feature allows users to set a desired CCT value, and then mix color from that white set point. This color can be mixed manually through adjusting the primary color channels, or by selecting a color in the virtual swatch book.

## VIRTUAL SWATCH BOOK FADE

The ability to fade between two virtual swatch book color selections has been added. Users can select a fade time using the Dimmer Delay Time setting in the Dim Mode Control Channel. Changing between colors in the swatch book will then utilize the chosen timing.

# NEAR FIELD COMMUNICATION (NFC)

Near Field Communication (NFC) is a short-range wireless technology, operating at 13.56 MHz, that enables secure data exchange between devices within a proximity of 6-inches. With NFC, one can use an Android or iOS device to configure an NFC compatible fixture. NFC has three modes of operation: Reader/Writer Mode, which allows an NFC device to read or write data to an NFC tag; Peer-to-Peer Mode, enabling data exchange between two NFC devices; and Card Emulation Mode, which lets an NFC device emulate a contactless smart card. The technology is built on RFID standards, including ISO/IEC 14443 and ISO/IEC 18092, ensuring compatibility between NFC devices. Despite its lower data transfer rates compared to Wi-Fi or Bluetooth, ranging from 106 kbps to 424 kbps, NFC incorporates encryption and authentication protocols. NFC tags on lighting fixtures simplify setup and adjustments, and aid in tracking and maintenance when integrated into lighting equipment.

## NFC Setup and Usage

- Enable NFC: Activate NFC on both the control device and the fixture.
- Physical Proximity: Bring the control device near the designated NFC area of the fixture indicated by the NFC directional mark shown here.



- Initiate Connection: The NFC-enabled device should automatically detect the fixture, prompting a connection notification.
- Confirmation: Accept the connection request to establish a link between the control device and the fixture.
- Configuration Options: Adjust lighting settings, presets, and modes via the control device, depending on fixture capabilities.
- Data Exchange: Use NFC to transfer presets, scenes, and firmware updates between devices, simplifying data sharing.

## Tips for Successful NFC Interaction

- Proximity: Maintain a short-range distance, within 6-inches, between the control device and the indicated NFC area of the fixture.
- Device Compatibility: Ensure your device supports NFC, and has the necessary apps for interaction.
- Interference: Avoid obstacles between the devices, like metal objects, to ensure smooth communication.
- Security: Disable NFC when not in use for added security against unauthorized access.



# FREQUENCY & WIRELESS LOCATION GUIDELINES

## 2GHZ Versus Sub-Gig (GHz) Frequencies:

Sub-GHz frequencies provide superior reliability and range compared to higher frequencies, making them perfect for consistent communication across vast distances or in difficult conditions. Devices operating in the sub-GHz range, which refers to frequencies below 1 GHz, can transmit signals over significant distances and can penetrate physical barriers such as walls and buildings more effectively. Additionally, these frequencies experience less interference compared to those in the heavily congested 2.4-GHz band, which is commonly used by wireless devices.

In the United States, the 900 MHz band is a versatile frequency range that is utilized by various services, with the FCC overseeing its allocation and regulation.

In the European Union, the 868 MHz frequency is designated by ETSI as the Sub-Gig frequency.

In summary, if an application demands high data rates and more bandwidth in urban or densely populated areas where interference management is feasible, the 2.4 GHz frequency is a suitable choice. On the other hand, for applications requiring long-range communication and better obstacle penetration, particularly in rural or industrial settings with fewer regulatory constraints, a sub-GHz frequency (<1 GHz) is a better option.

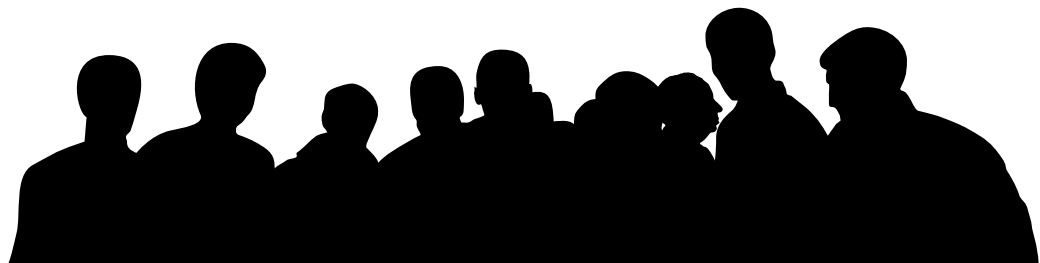
## Installation Recommendations:

With the many factors that affect and/or interrupt a wireless signal such as walls, glass, metal, objects, and people, it is highly recommended to:

- Install devices a minimum of 9.8 ft. (3m) above audiences and/or ground level where practical.
- Adjust the wireless antenna in a vertical upright position
- Position devices in direct line of sight of the controlling device

Careful planning and testing of the selected installation location is critical to ensure optimum and reliable wireless operation.

**9.8 ft (3m)  
Above Ground**



# REMOTE DEVICE MANAGEMENT (RDM)

**NOTE: In order for RDM to work properly, RDM enabled equipment must be used throughout the entire system, including DMX data splitters and wireless systems.**

Remote Device Management (RDM) is a protocol that sits on top of the DMX512 data standard for lighting, allowing the DMX systems of the device to be managed, modified, and monitored remotely (hence, remote device management). This protocol is ideal for fixtures installed in locations that are not easily accessible.

With RDM, the DMX512 system becomes bi-directional, allowing a compatible RDM enabled controller to send out a signal to devices on the wire, as well as allowing the fixture to respond (known as a GET command). The controller can then use it's SET command to modify settings that would typically have to be changed or viewed directly via the unit's display screen, including the DMX Address, DMX Channel Mode, and Temperature Sensors.

## FIXTURE RDM INFORMATION:

RDM Code	Device ID	Device Model ID	Personality ID
22A6	0000-FFFF	0061	1ch, 3ch, 5ch, 6ch, 7ch, 10ch, 11ch, 19ch, 9ch, 15ch

**Please be aware that not all RDM devices support all RDM features**, and therefore it is important to check beforehand to ensure that the equipment that you are considering includes all of the features that you require.

The following parameters are accessible in RDM on this device:

CODE	PARAMETER	CODE	PARAMETER
0x0011	Proxied Device Count	0x0501	Display Level
0x0200	Sensor Definition	0x0603	Realtime Clock
0x0201	Sensor Value	0x1010	Power State
0x0080	Device Model Description	0x1031	Preset Playback
0x0081	Manufacturer Label	0x0122	Default Slot Value
0x0082	Device Label	0x00B0	Language
0x00E0	DMX Personality	0x00A0	Language Capabilities
0x00E1	DMX Personality Description	0x00C2	Boot Software Version Label
0x0400	Device Hours	0x00C1	Boot Software Version ID
0x0015	Comms Status	0x0070	Product Detail ID List
0x0031	Status ID Description	0x0030	Status Messages
0x0032	Clear Status ID	0x1001	Reset Device
0x0405	Device Power Cycles	0x0090	Factory Defaults
0x0500	Display Invert	0x0000	Undefined PID

# CONTROL PANEL

The fixture includes an easy to navigate system menu. The touch control panel display located on the rear of the fixture (illustrated below) 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.



## CONTROL PANEL LOCKOUT

The control keys can be configured to lock after a pre-set period of inactivity. This setting is switched off by default, but can be switched on and set to a value between 10 seconds and 5 minutes. To change this setting, use the control panel keys to navigate to Settings > Display > Screen Lock in the system menu, then use the UP and DOWN keys to select your desired value and press the ENTER button to confirm your selection. **To unlock the controls, press and hold the MODE button until the controls unlock.**

## ARIA

**This fixture is equipped with Aria X2. Please note that Aria's wireless functions are switched off by default.** Activate Aria X2 and Bluetooth in the system menu to take advantage of the fixture's wireless feature set for wireless connectivity and over the air software updates.

## TOUCH BAR MODES

This device features a touch-activated bar located on the bottom of the display screen. This touch bar can be used to manually adjust dimming, CCT, Green shift, color selection, color saturation, or manual control. To use this feature, use the control panel keys to navigate to Touch Bar Mode in the system menu, press ENTER, and scroll through and select your desired mode. The bar can then be used to make adjustments in the selected mode.

# SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in <b>BOLD</b> )		
<b>TOUCH BAR MODE</b>	Disabled (for use when running fixture in DMX mode)		
	Dimmer		
	Int CCT Grn		
	Int Color Sat		
	Manual Control		
<b>DMX</b>	DMX Address	<b>001</b> - 512	
	DMX Mode	<b>1Ch Dimmer</b>	
		3Ch Dimmer/CCT	
		5Ch RGB	
		6Ch Dim/CCT/Clr	
		7Ch IRGBMA	
		10Ch RGBMA	
		11Ch Standard	
		19Ch Extended	
		9Ch CMY	
	15Ch CMY Extended		
	No DMX Status	<b>Hold Last</b>	
		Fade to Black	
		Standalone	
	Protocol	Select Signal	<b>DMX</b>
			Aria In - DMX Out
			DMX In - Aria Out
Aria	Enable Aria	<b>Off</b> / On	
	Frequency	<b>2.4 GHz</b>	
		Sub Gig - US	
		Sub Gig - EU	
	2.4 GHz Chan	<b>00</b> - 15	
	Sub Gig Chan	<b>00</b> - 09	
	Enable Mesh	<b>Off</b> / On	
Enable Bluetooth	<b>Off</b> / On		
<b>CONTROL</b>	Dimmer	000% - 100%	
	Manual Control	Red	0 - <b>255</b>
		Green	0 - <b>255</b>
		Blue	0 - <b>255</b>
		Mint	0 - <b>255</b>
		Amber	0 - <b>255</b>
		CCT	2400K - 8500K (Default = <b>6000K</b> )
		Green Shift	-100% ~ +100% (Default = <b>0</b> )
		Virtual Color	See Color Macros

# SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in <b>BOLD</b> )	
<b>CONTROL</b> (continued)	Primary	On / <b>Off</b>
	Secondary	On / <b>Off</b>
	Self Test	All
Dimmer		
Color		
<b>SETTINGS</b>	Dim Modes	<b>Standard</b>
		Stage
		TV
		Architectural
		Theatre
		Stage 2
		Dim Speed
	Dim to Warm	On / <b>Off</b>
	Dim Curves	Linear
		Square
		Square Inverse
		<b>S-Curve</b>
	LED Refresh Rates	900Hz - 1500Hz, 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10KHz, 15KHz, 20KHz, 25KHz (Default = <b>1200Hz</b> )
	Color Tuning	Highest Fidelity
		Balanced Output and Fidelity
		<b>Highest Output</b>
	Output Balance	<b>Bright (Highest Output)</b>
		Uniform (Elation Full Spectrum Match)
	LED Power Limit	50%
		60%
		70%
		80%
		90%
<b>100%</b>		
Fan Mode	<b>Auto</b>	
	High	
	Silent	
Display	Screen Delay	10s - 5min (Default = <b>1min</b> )
	Screen Lock	<b>Off</b> , 10s - 5min
	Rotate Display	Yes / <b>No</b> / Auto
Reset Defaults	Yes / <b>No</b>	

# SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in <b>BOLD</b> )		
<b>INFORMATION</b>	Time	Current Run Time	
		Total Run Time	
		Last Run Time	
	Temperature	Current	
		Max Resettable	
	DMX Values	Red	
		Green	
		...	
Product IDs	RDM UID		
Error Logs	Fixture Errors		
Software Version	Vx.x		
<b>SERVICE</b> Passcode = 050	Calibration	Red	000 - 255
		Green	000 - 255
		Blue	000 - 255
		Mint	000 - 255
		Amber	000 - 255
	Reset Last Run	Yes / No	
	Reset Error Logs	Yes / No	

# FAN CONTROL

The Elation KL Profile Compact is a high-performance fixture suited for multiple applications. For noise critical environments such as Theater, Opera, or Orchestral Halls, it offers various fan operation modes which remove unwanted noise distractions for the audience and performers. Fan Modes can be changed remotely via the DMX control channel, allowing the fixture to offer high output or whisper-silent operation at a moment's notice. All Fan Modes smoothly transition over a brief period, preventing unwanted attraction to the fixture.

**Auto** – The default AUTO mode ensures optimal performance of the fixture. Fans only run at the speeds needed to keep the LED engine within a safe temperature range. They will turn off if possible, for example, when the fixture is dimmed to a low intensity. Fans sense the ambient and fixture temperature, and will, always, try to keep noise levels at a minimum. The fixture output will only reduce when the LED engine cannot be cooled down to its safe operating range due to high ambient temperature. **Note: Auto is the recommend mode for daily operation of the Elation KL Profile Compact.**

**High** – This mode is only required in very high ambient temperatures when automatic fan speed adjustments are not desired. High Fan Speed will cool the fixture most efficiently. This mode will increase wear on the fans and should only be utilized in exceptional circumstances. Fans will always run, even if the fixture is dimmed. Fixture output is kept at 100% unless the LED engine temperature is too high, at which point the fixture will reduce power carefully to ensure safe operation.

**Silent** – Running the fixture in SILENT mode reduces the fixture to about 25% output, and all fans are off. The fixture is totally silent.

# DMX TRAITS

1CH	3CH	5CH	6CH	7CH	10CH	11CH	19CH	9CH	15CH	DMX VALUES	FUNCTION	SNAP	DEF VAL
1	1	1	1	1		1	1	1	1		<b>Dimmer</b>		0
										0-255	Intensity 0 → 100		
	2		2			2	2	2	2		<b>Dimmer Fine</b>		0
										0-255	Fine Intensity Control		
		2	3	2		3	3	3	3		<b>Shutter/ Strobe</b>		50
										0-31	Shutter Closed		
										32-63	No function (shutter open)		
										64-95	Strobe effect, slow to fast		
										96-127	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)		
		3		3	1	4	4				<b>Red</b>		
										0-255	0 → 100		
					2		5				<b>Red Fine</b>		
										0-255	Fine adjustment		
		4		4	3	5	6				<b>Green</b>		
										0-255	0 → 100		
					4		7				<b>Green Fine</b>		
										0-255	Fine adjustment		
		5		5	5	6	8				<b>Blue</b>		
										0-255	0 → 100		
					6		9				<b>Blue Fine</b>		
										0-255	Fine adjustment		
				6	7	7	10				<b>Mint</b>		
										0-255	0 → 100		
					8		11				<b>Mint Fine</b>		
										0-255	Fine adjustment		
				7	9	8	12				<b>Amber</b>		
										0-255	0 → 100		
					10		13				<b>Amber Fine</b>		
										0-255	Fine adjustment		



# DMX TRAITS

1CH	3CH	5CH	6CH	7CH	10CH	11CH	19CH	9CH	15CH	DMX VALUES	FUNCTION	SNAP	DEF VAL
								4	4		<b>Cyan</b>		0
										0-255	0 → 100		
									5		<b>Cyan Fine</b>		0
										0-255	Fine adjustment		
								5	6		<b>Magenta</b>		0
										0-255	0 → 100		
									7		<b>Magenta Fine</b>		0
										0-255	Fine adjustment		
								6	8		<b>Yellow</b>		0
										0-255	0 → 100		
									9		<b>Yellow Fine</b>		0
										0-255	Fine adjustment		
	3		4			9		7			<b>CCT Presets</b>		
										0-23	Open		
										24-85	2400K → 8500K	X	0
										86-255	8500K		
							14		10		<b>Variable CCT</b>		
										0-23	Open		0
										24-255	2400K → 8500K		
							15		11		<b>Variable CCT Fine</b>		0
										0-255	Fine adjustment		
							16		12		<b>Green Shift</b>		
										0	Idle		
										1-127	Full Minus Green to Neutral		0
										128	Neutral White		
										129-255	Neutral to Full Plus Green		
			5			10	17	8	13		<b>Color</b>		
										0	Open		
										1-179	Virtual Swatch Book		
											<b>Color Scroll</b>		
										180-201	Clockwise, Fast → Slow		0
										202-207	Stop		
										208-229	Counter-clockwise, Slow → Fast		
										230-234	Open		

# DMX TRAITS

1CH	3CH	5CH	6CH	7CH	10CH	11CH	19CH	9CH	15CH	DMX VALUES	FUNCTION	SNAP	DEF VAL
			5			10	17	8	13		<b>Random Slots</b>		0
										235-239	Fast		
										240-244	Medium		
										245-249	Slow		
										250-255	Open		
											<b>Dim Modes</b>		0
										0-20	Standard		
										21-40	Stage		
										41-60	TV		
										61-80	Architectural		
										81-100	Theatre		
										101-120	Stage 2		
											<b>Dimmer Delay Time</b>		
										121	0s		
										122	0.1s		
										123	0.2s		
										124	0.3s		
										125	0.4s		
										126	0.5s		
										127	0.6s		
										128	0.7s		
							18			129	0.8s	X	
										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	10s		
										142-149	Idle		
											<b>Dim to Warm</b>		
										150-154	DTW On		
										155-159	DTW Off		
										160-255	Idle		

# DMX TRAITS

1CH	3CH	5CH	6CH	7CH	10CH	11CH	19CH	9CH	15CH	DMX VALUES	FUNCTION	SNAP	DEF VAL
											<b>Control</b>		
										0-29	Idle		
										30-39	Fan Mode Auto		
										40-49	Fan Mode Silent		
										50-59	Fan Mode High		
										60-99	Idle		
											<b>Refresh Rate (Hz)</b>		
										100	900		
										101	910		
										102	920		
										103	930		
										104	940		
										105	950		
										106	960		
										107	970		
										108	980		
										109	990		
										110	1000		
			6			11	19	9	15	111	1010	X	0
										112	1020		
										113	1030		
										114	1040		
										115	1050		
										116	1060		
										117	1070		
										118	1080		
										119	1090		
										120	1100		
										121	1110		
										122	1120		
										123	1130		
										124	1140		
										125	1150		
										126	1160		
										127	1170		
										128	1180		
										129	1190		
										130	1200		
										131	1210		

# DMX TRAITS

1CH	3CH	5CH	6CH	7CH	10CH	11CH	19CH	9CH	15CH	DMX VALUES	FUNCTION	SNAP	DEF VAL
			6			11	19	9	15		Refresh Rate (Hz) (continued)		
										132	1220		
										133	1230		
										134	1240		
										135	1250		
										136	1260		
										137	1270		
										138	1280		
										139	1290		
										140	1300		
										141	1310		
										142	1320		
										143	1330		
										144	1340		
										145	1350		
										146	1360		
										147	1370		
										148	1380		
										149	1390	X	0
										150	1400		
										151	1410		
										152	1420		
										153	1430		
										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		
										169-174	Idle		

# DMX TRAITS

1CH	3CH	5CH	6CH	7CH	10CH	11CH	19CH	9CH	15CH	DMX VALUES	FUNCTION	SNAP	DEF VAL
			6			11	19	9	15		<b>Color Tuning</b>		
										175-176	Highest Fidelity		
										177-178	Balanced Output and Fidelity		
										179-180	Highest Output (Default)		
											<b>Output Balance</b>		
										181-182	Bright (Highest Output) (Default)		
										183-184	Uniform (Elation Full Spectrum Match)	X	0
										185-200	Idle		
											<b>Dimmer Curves</b>		
										201-210	Linear		
										211-220	Square		
										221-230	Inverse Square		
										231-240	S-Curve (Default)		
										241-255	Idle		

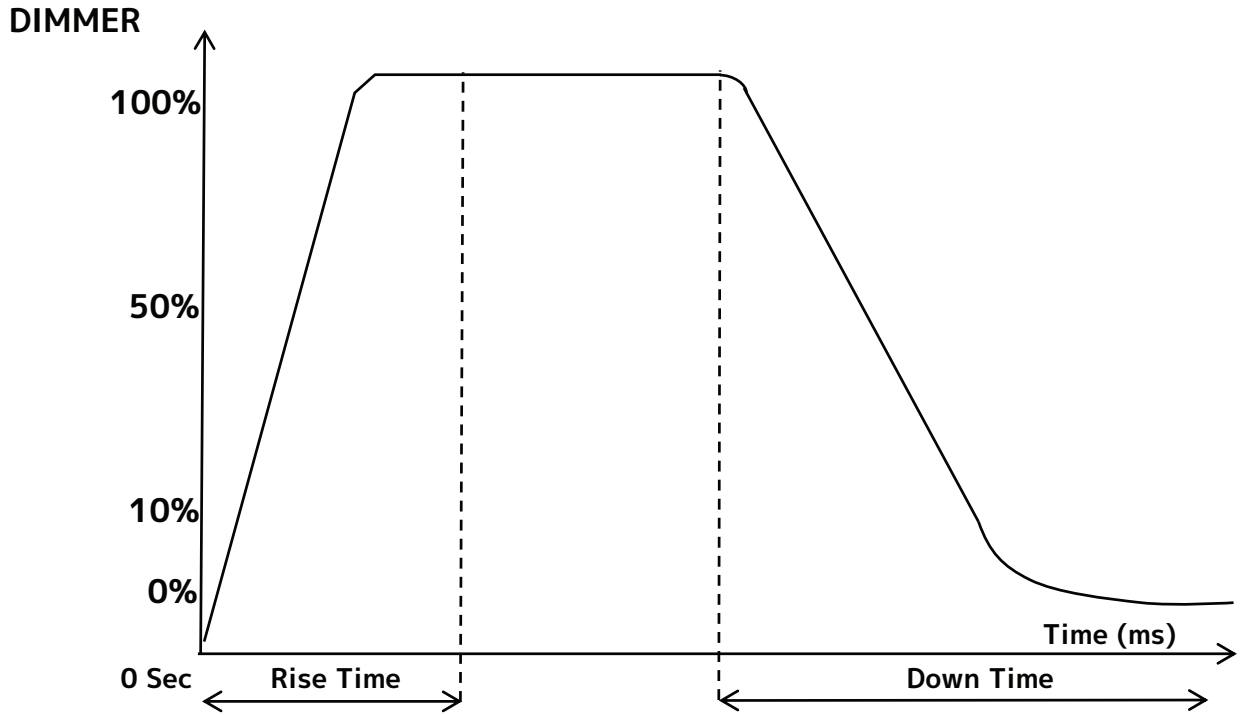
# COLOR TEMPERATURE TABLE

DMX VALUE	COLOR TEMPERATURE (K)	DMX VALUE	COLOR TEMPERATURE (K)
24	2400	55	5500
25	2500	56	5600
26	2600	57	5700
27	2700	58	5800
28	2800	59	5900
29	2900	60	6000
30	3000	61	6100
31	3100	62	6200
32	3200	63	6300
33	3300	64	6400
34	3400	65	6500
35	3500	66	6600
36	3600	67	6700
37	3700	68	6800
38	3800	69	6900
39	3900	70	7000
40	4000	71	7100
41	4100	72	7200
42	4200	73	7300
43	4300	74	7400
44	4400	75	7500
45	4500	76	7600
46	4600	77	7700
47	4700	78	7800
48	4800	79	7900
49	4900	80	8000
50	5000	81	8100
51	5100	82	8200
52	5200	83	8300
53	5300	84	8400
54	5400	85	8500

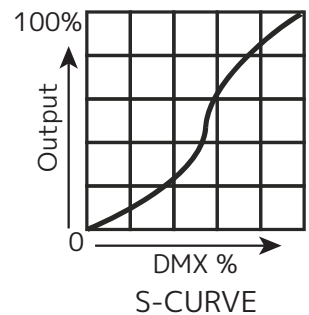
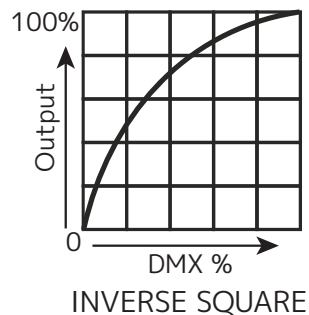
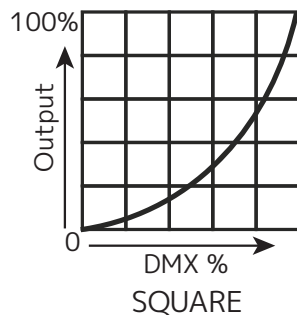
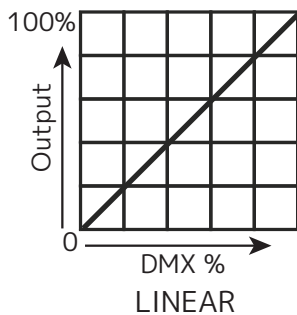
# VIRTUAL COLORS TABLE

VALUE	FILTER #	COLOR	VALUE	FILTER #	COLOR
1	7	pale yellow	31	126	Mauve
2	103	straw	32	49	Medium Purple
3	151	gold tint	33	58	Lavender
4	100	spring yellow	34	199	Palace Blue
5	10	medium yellow	35	119	Dark Blue
6	101	yellow	36	132	Medium Blue
7	104	deep amber	37	120	Deep Blue
8	15	deep straw	38	165	Daylight Blue
9	179	loving amber	39	161	Slate Blue
10	21	gold amber	40	118	Light Blue
11	105	orange	41	68	Sky Blue
12	158	deep orange	42	143	Pale Navy Blue
13	22	dark amber	43	131	Marine Blue
14	778	millennium gold	44	115	Peacock Blue
15	135	deep golden amber	45	172	Lagoon Blue
16	24	scarlet	46	116	Medium Blue Green
17	106	primary red	47	90	Dark Yellow Green
18	26	bright red	48	139	Primary Green
19	27	medium red	49	122	Fern Green
20	19	fire	50	89	Moss Green
21	157	pink	51	124	Dark Green
22	36	medium pink	52	88	Lime Green
23	111	dark pink	53	138	Pale Green
24	128	bright pink	54-179		No Function
25	148	bright rose			
26	332	special rose pink			
27	793	vanity fair			
28	113	Magenta			
29	46	Dark Magenta			
30	48	Rose Purple			

# DIMMER 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





# 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. Periodically clean the external lens surface 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 your local Elation dealer.

Please refer to the following points during routine inspections:

- A detailed electric 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.

## ERROR CODES

ERROR CODE	DESCRIPTION
Fan Error	These messages will appear if there is a fan and/or temperature malfunction.
Temp Error	

Note: Error Codes are subject to change without notice.

# SOFTWARE UPDATES



**ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION!  
NOTE ALL MENU SETTINGS BEFORE UPDATING SOFTWARE!  
FIXTURE SOFTWARE CAN NOT BE DOWNGRADED!  
DOWNLOAD FIXTURE SOFTWARE TO PC ONLY! (NO MAC SUPPORT)  
PLEASE CONTACT ELATION SERVICE FOR FURTHER INFORMATION.**

## ELATION C-LOADER

An Elation C-Loader can be used to update the fixture to the latest software. Please visit the C-Loader product page at the Elation web site and download the product manual for step by step instructions.

<https://www.elationlighting.com/c-loader-software-uploader>

## ARIA

Alternately, updates can be performed over the Aria connection. Please contact Elation service for details.

**ELATION SERVICE USA** - Monday - Friday 8:00am to 4:30pm PST  
323-582-3322 | [support@elationlighting.com](mailto: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](mailto:support@elationlighting.eu)

# ORDERING INFORMATION

SKU (US)	SKU (EU)	DESCRIPTION
KLP200	1236100198	KL Profile Compact

# SPECIFICATIONS

## SOURCE

225W 6,000K RGBMA LED Engine  
20,000 Hour Average LED Life\*

\*Test lab conditions. 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

Total Lumen Output:  
5,880 (Integrating Sphere)  
TBA (Goniometer)  
CRI 94.9  
TLCI 95  
Zoom Range 25° - 50°

## EFFECTS

Manual Zoom & Focus  
4 Manual Framing Shutters  
Variable Strobe Rate: 1- 20Hz  
Dim-to-Warm/ Red Shift Emulation  
Variable 16-bit Dimming Modes and Curves

## COLOR

ColourTune Technology Software  
High Brightness and High Fidelity Output Options  
RGBMA Color Array  
CMY Emulation  
16bit Fully Variable CCT 2400K - 8500K  
Green/Magenta Shift  
Virtual Gel Swatch Book

## GOBOS

Accepts 1x Size 'M' Gobo (Metal Gobo Holder Included)

## CONTROL / CONNECTIONS

10 DMX Channel Modes (1, 3, 5, 6, 7, 10, 11, 19, 9, 15)  
Manual and DMX Controlled Dimmer and Color  
Single Touch Bar Encoder  
4 Button Control Panel, LED Display  
RDM (Remote Device Management)  
Aria x2 Wireless Device Management  
NFC Configuration  
IP65 5pin DMX and IP65 Locking Power Cable In/Out

## SIZE / WEIGHT

Length: 18.6" (472mm)  
Length (Yoke 0°): 21.1" (536mm)  
Width: 10.3" (262mm)  
Height (Fixture Body): 10.1" (256mm)  
Height (Yoke 90°): 15.5" (394mm)  
Weight: 15.4lbs (7.0kg)  
6.25" Front Accessory Slot

## ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz  
290W Max Power Consumption  
Power Thru Capacity: 9A (4 units @115V, 10 units @240V)  
5°F to 113°F (-15°C to 45°C)  
BTU/hr (+/- 10%) 988.9

## OPTIONAL ACCESSORIES

Omega Bracket

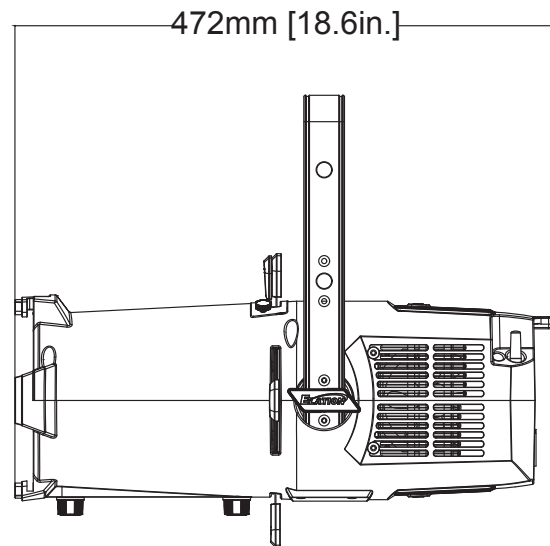
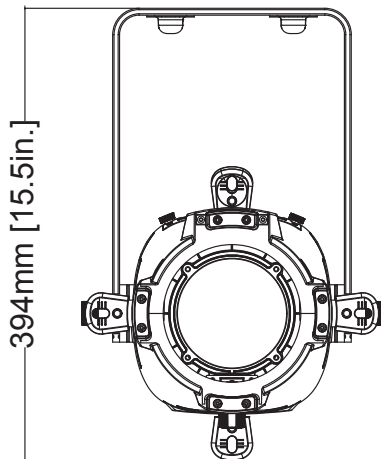
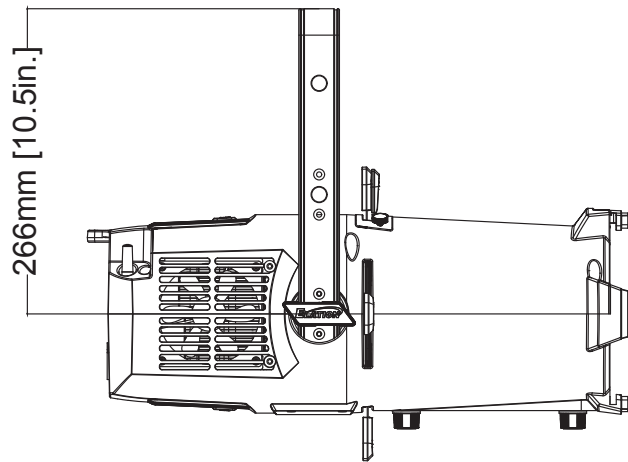
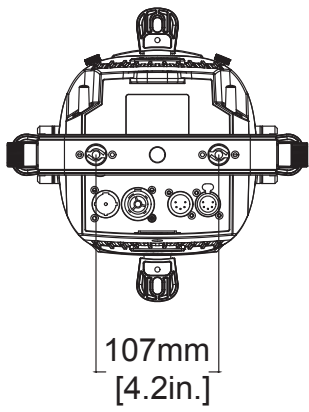
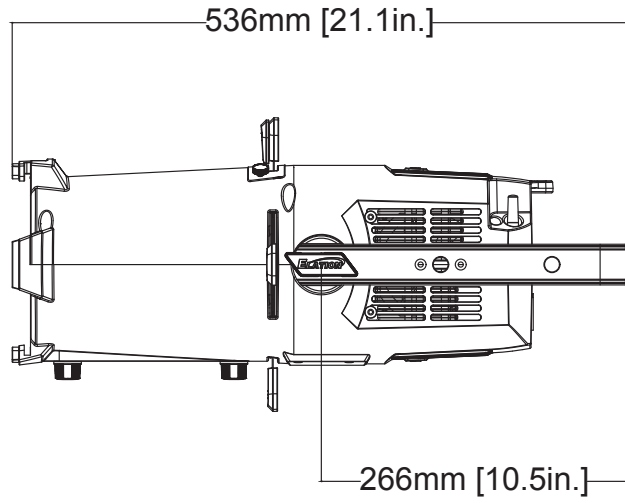
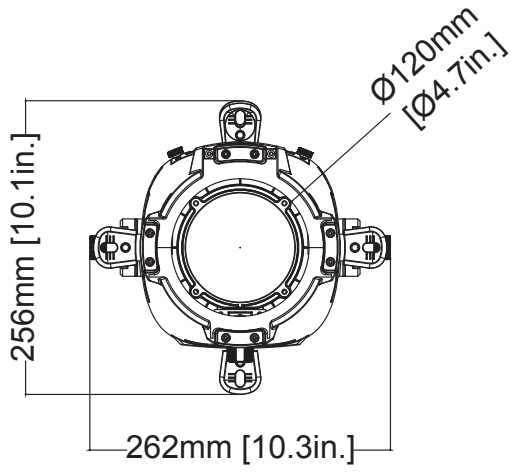
## APPROVALS / RATINGS

CE | cETLus | FCC | UKCA | IP20



Specifications and documentation subject to change without notice.

# 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 to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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!



