

ELATION[®]



FUZE WASH 250™
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 \geq	DMX Channel Modes	Notes
12/03/25	1.0	1.0.1	Standard, Extended, RGB, RGB Extended, CMY, CMY Extended	Initial Release
12/09/25	1.1	1.0.3	N/C	Added Aria Pages
12/23/25	1.2	N/C	N/C	Updated: Aria Setup and Guidelines, Specifications

CONTENTS

General Information	4
Safety Guidelines	5
Overview	7
Fan Control and Low Noise Operation	9
Accessory Installation: Snoot	10
Installation Guidelines	11
Aria Setup and Guidelines	15
System Menu	18
Dimmer Mode	21
DMX Traits	22
Color Temperature	27
Virtual Colors (Color Swatch)	28
Remote Device Management (RDM)	29
Error Codes	30
Maintenance Guidelines	31
Specifications	32
Dimensions	33
Optional Accessories FCC Statement	34

GENERAL INFORMATION

FOR PROFESSIONAL USE ONLY

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.

COOLING

After usage, the lamp may be switched off, but the fixture should remain connected to power in order to allow the fan time to cool down the fixture.

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 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

2x Omega Bracket
1x Safety cable
1x Power cable
1x Snoot

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 | 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

LIMITED WARRANTY

For up-to-date warranty information regarding your device, please visit Elation's warranty information page online or scan the QR codes below.



USA: <https://www.elationlighting.com/warranty-information>



EU: https://www.elationlighting.eu/terms_and_conditions

It is strongly recommended to power the fixture down completely when not in use. Doing so will reduce wear on the fixture due to sustained or extended operational periods, thereby maximizing its operational lifespan.

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.

The light source in this luminaire must only be replaced by the manufacturer, their service agent, or a similarly qualified individual.

Do not stare at the operating light source.

Position the luminaire so that prolonged staring into it at distances closer than **X meters is not expected.**



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED

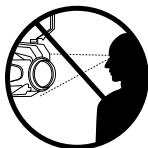


THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.

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 MANUFACTURER'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!**



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



**MINIMUM DISTANCE TO OBJECTS/SURFACES
MUST BE 1.6 FEET (0.5 METERS)
DISTANCE BETWEEN OBJECTS 1.6 FEET (0.5 METER)
MAXIMUM TEMP OF EXTERNAL SURFACE 176° F (80°C)
MINIMUM DISTANCE OF FLAMMABLE MATERIALS 1.6 FEET (0.5 METER)
FROM THE SURFACE 1.6 FEET (0.5 METER)**

SAFETY GUIDELINES

DO NOT TOUCH the fixture housing during operation. Turn **OFF** the power and allow approximately 15 minutes for the fixture to cool down before serving.

DO NOT shake fixture, 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 similar power 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.

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, never pull out the plug by tugging the wire portion of the cord.

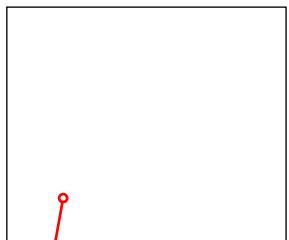
During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.

Consistent operational breaks will ensure fixture will function properly for many years.

ONLY use the original packaging and materials to transport the fixture in for service.

OVERVIEW

**FUZE
WASH
250**



Menu Display

Up Enter



Down



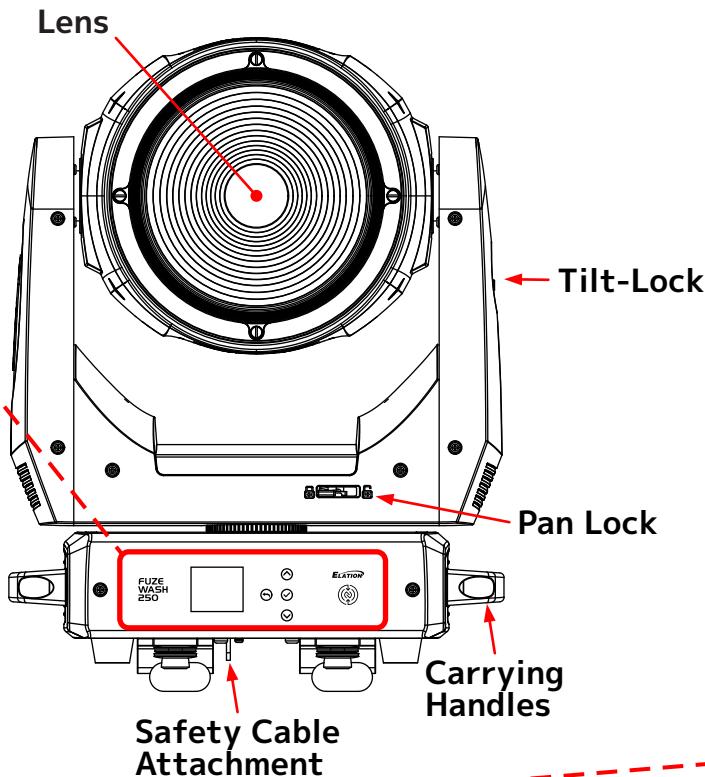
Menu



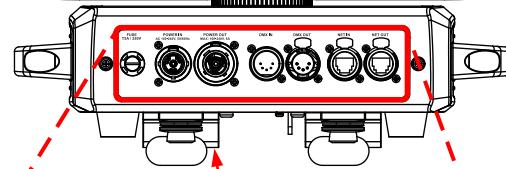
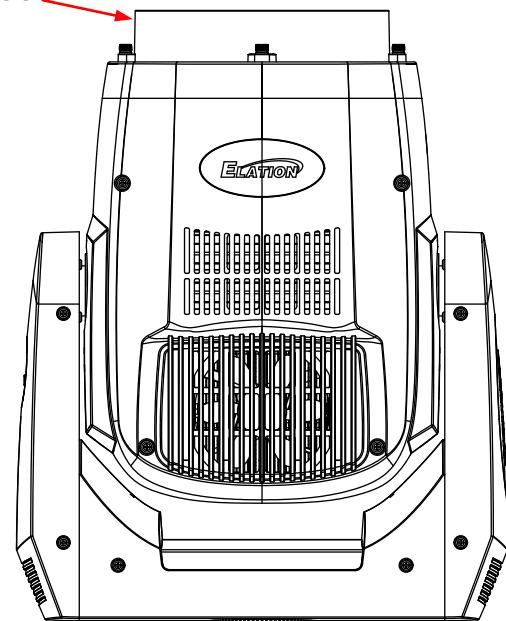
ELATION



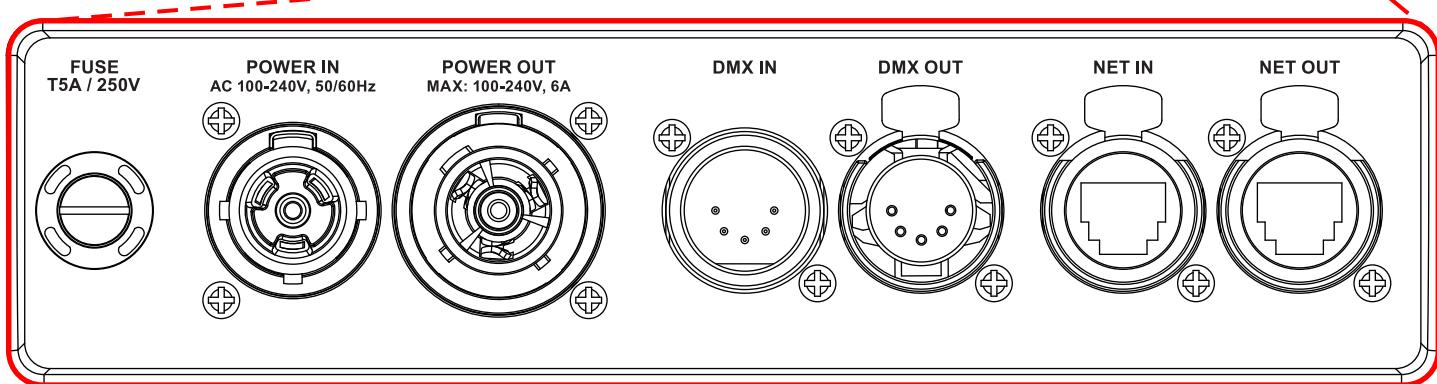
NFC POINT



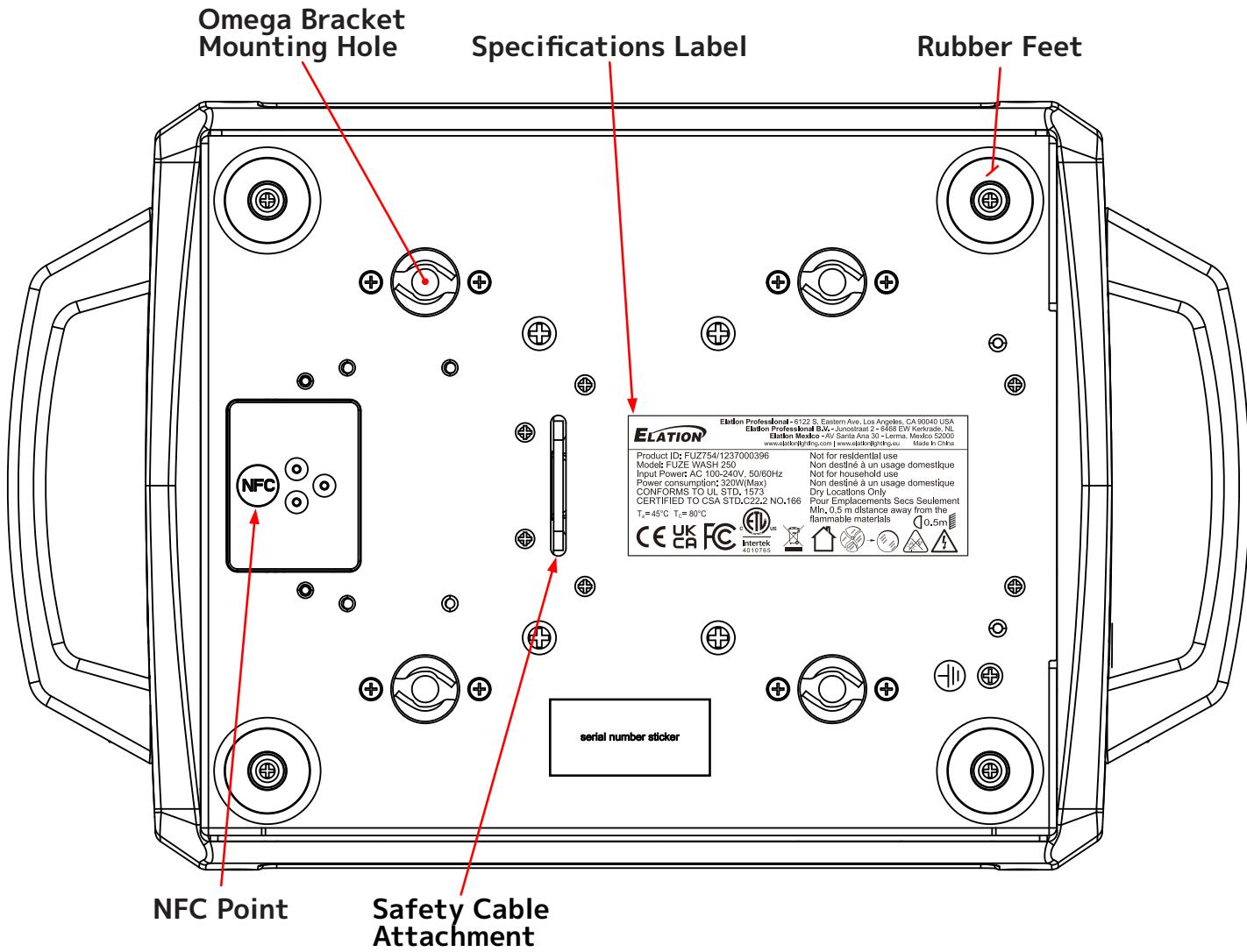
Snoot



Omega Bracket



OVERVIEW



FAN CONTROL AND LOW NOISE OPERATION

The Elation Fuze Wash 250 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 Fuze Wash 250.**

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.

Low – In this mode the fixture reduces fan speeds throughout for a lower noise profile of the fixture. This mode should be sufficient for most uses where lower noise is required. The fixture output is reduced to about 80%.

Additional Low Noise Modes

For very critical situations, the Fuze Wash 250 offers two additional low noise modes for silent operation. The fixture output will be reduced, but as the Fuze Wash 250 has such an extremely high luminous flux, it still offers outstanding performance. In low noise modes, all parameters of the Rembrandt operate quieter and with reduced speeds.

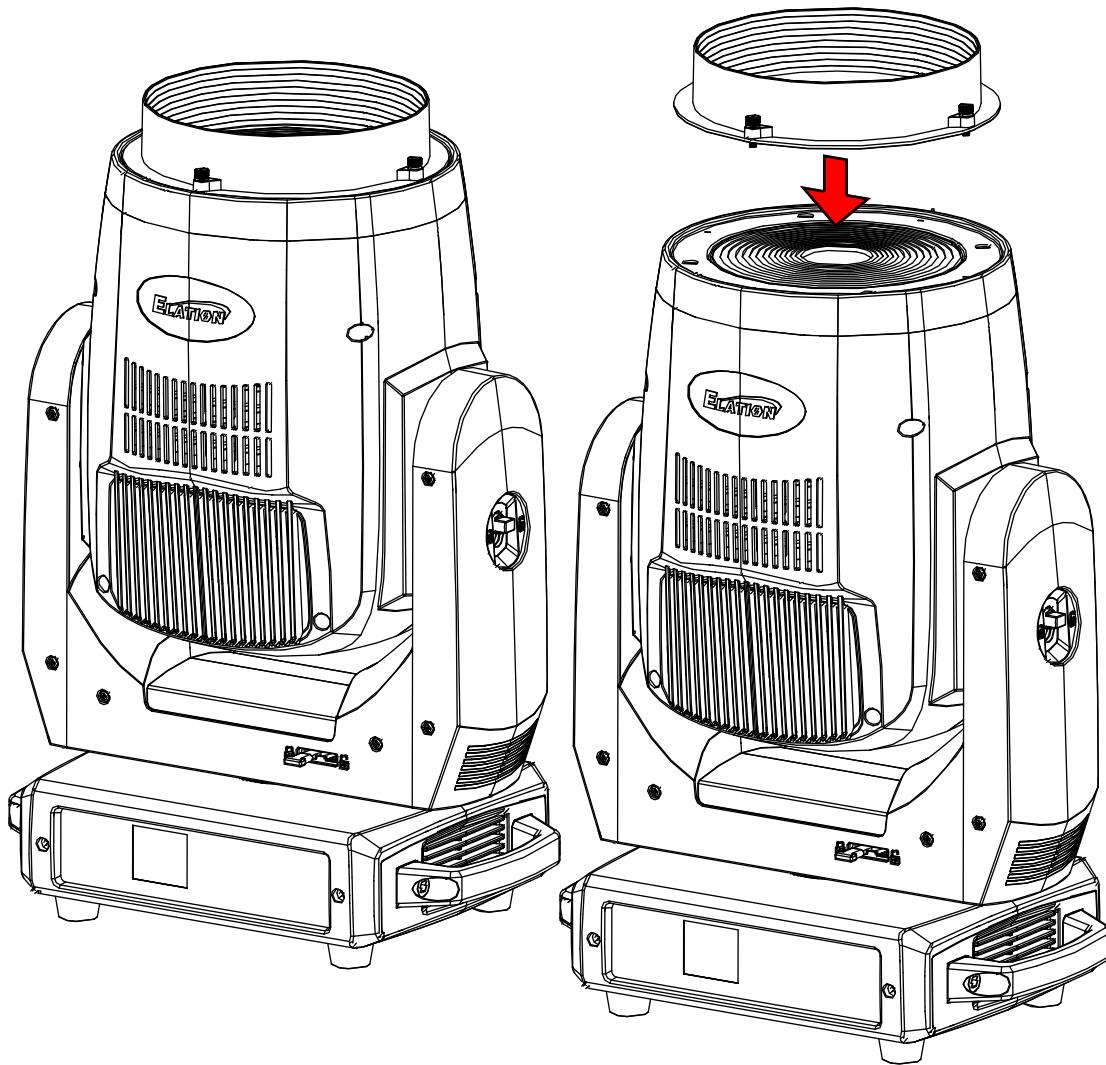
Studio – This mode reduces the fixture output to approximately 50%. Almost all fans inside the Rembrandt are turned off, and only run when necessary to keep the fixture at 50% LED power.

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

ACCESSORY INSTALLATION: SNOOT



Note: For focused beam control, this unit is intended to work at all times with the snoot installed.



If this accessory is removed, it will be necessary to reinstall the Snoot:

1. Place fixture on the stable flat surface and let cool for 15mins.
2. Align Snoot onto front lens, making sure that the indentation on the inner edge of the Snoot is aligned with the gear on the front of the unit. This should also result in the 4 screw holes on the snoot being correctly aligned with the 4 screw holes on the fixture.
3. Carefully, using a hand screwdriver, insert/secure included 4 screws.
4. Check Snoot to confirm it is seated properly and all 4 screws are secure.



DO NOT OVER TIGHTEN SCREWS! DO NOT USE A POWER SCREWDRIVER!

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.



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.



SAFETY DISTANCE BETWEEN OBJECTS 1.6 FEET (0.5 METERS)



MINIMUM DISTANCE OF LIGHTING OBJECTS 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.

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(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.

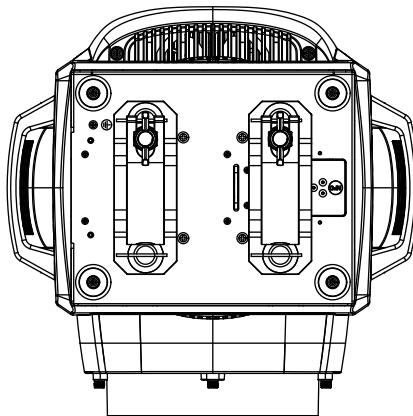
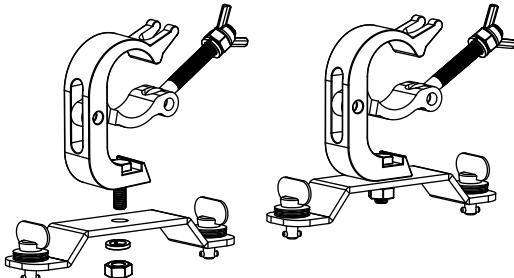
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.

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

INSTALLATION GUIDELINES

OMEGA BRACKETS INSTALLATION

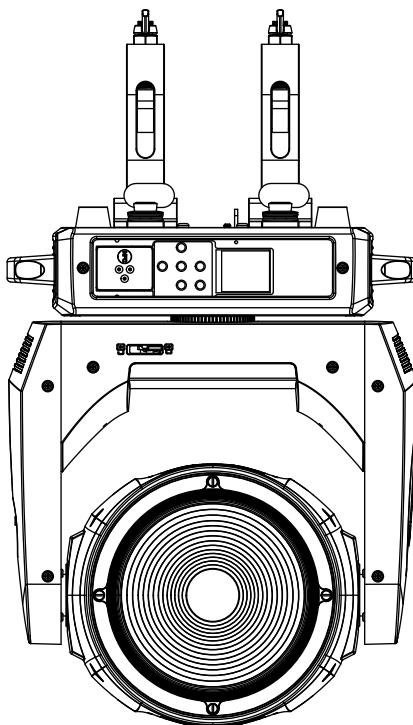
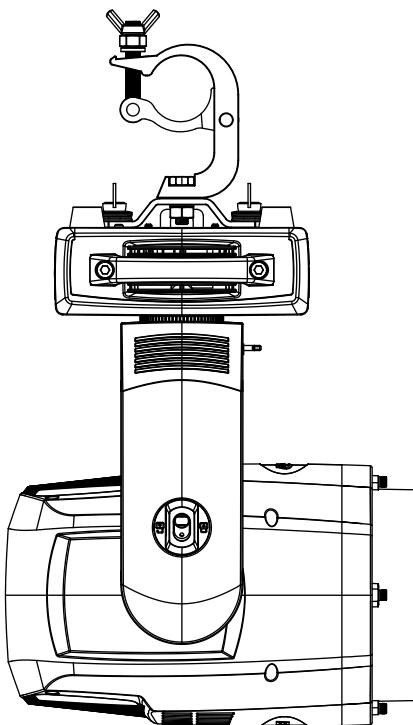
Insert the Omega Brackets into the matching holes on the bottom of the fixture. Secure the Omega Brackets to the fixture by turning each quick-lock fastener $\frac{1}{4}$ turn clockwise; making sure the fastener is completely locked. Omega Brackets can be installed into the fixture base as illustrated below.



SAFETY CABLE



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



CLAMP INSTALLATION

When mounting fixture to truss, be sure to secure an appropriately rated professional grade rigging clamp to the included **Omega Brackets** using an M10 screw fitted through the center hole of the **Omega Brackets**. The fixture provides built-in rigging points for a **SAFETY CABLE** (not included). Be sure to only use one of the designated rigging points for the safety cable and never secure a safety cable to a carrying handle.

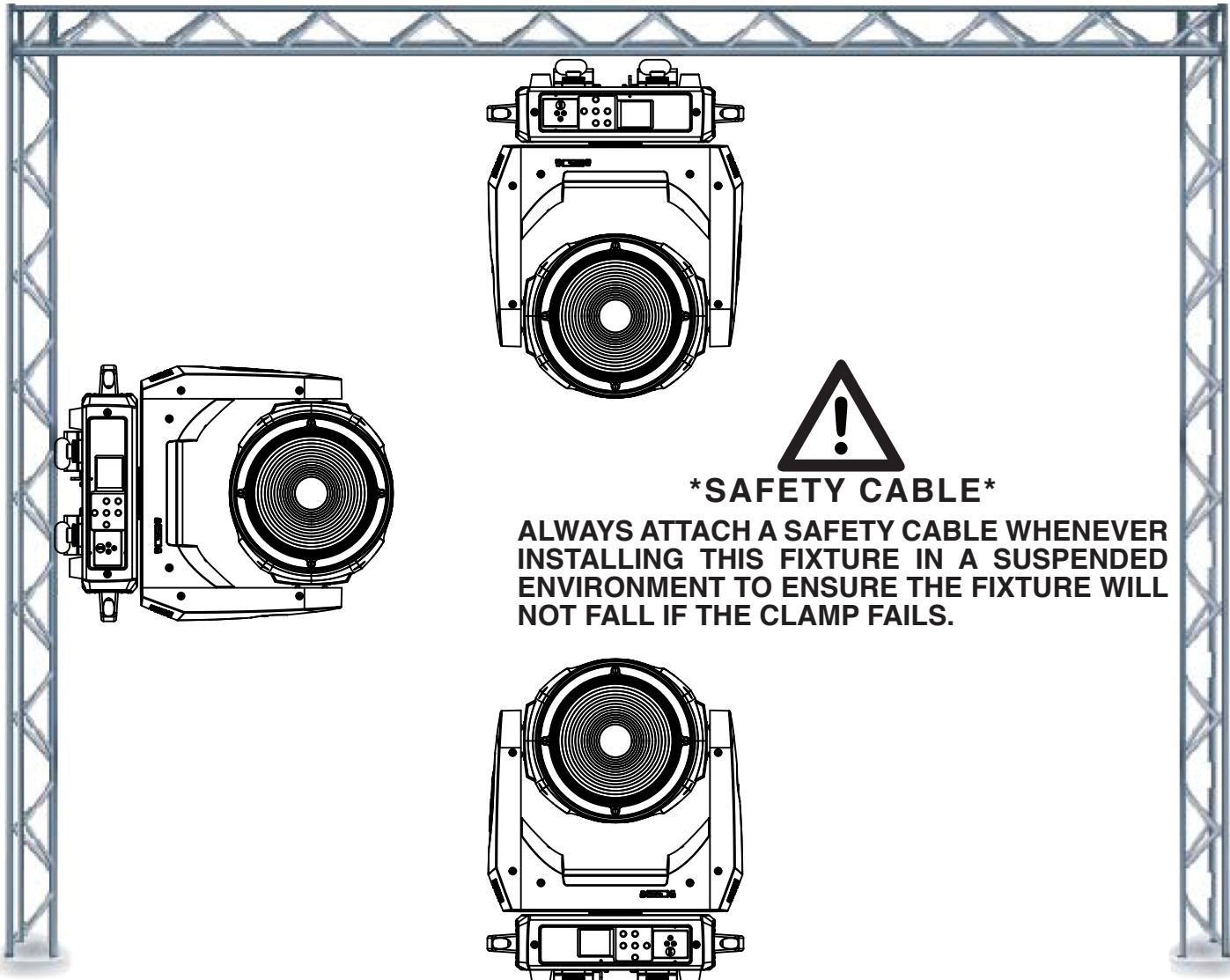
RIGGING

Overhead rigging requires extensive experience, including among 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.

INSTALLATION GUIDELINES

Fixture Installation

The Elation Fuze Wash 250 is fully operational in three different mounting positions, hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails. Never use the carrying handles for secondary attachment.



ART-NET | sACN CONNECTION

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

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



FALLING FIXTURES CAN CAUSE SEVERE INJURY OR SERIOUS EQUIPMENT DAMAGE! FOR THIS REASON, FIXTURES SHOULD BE INSTALLED AND INSPECTED ONLY BY QUALIFIED PERSONNEL. DO NOT INSTALL THE UNIT IF YOU LACK THE QUALIFICATIONS TO DO SO, OR IF YOU HAVE DOUBTS ABOUT THE SAFETY AND SECURITY OF THE INSTALLATION SETUP OR LOCATION!



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

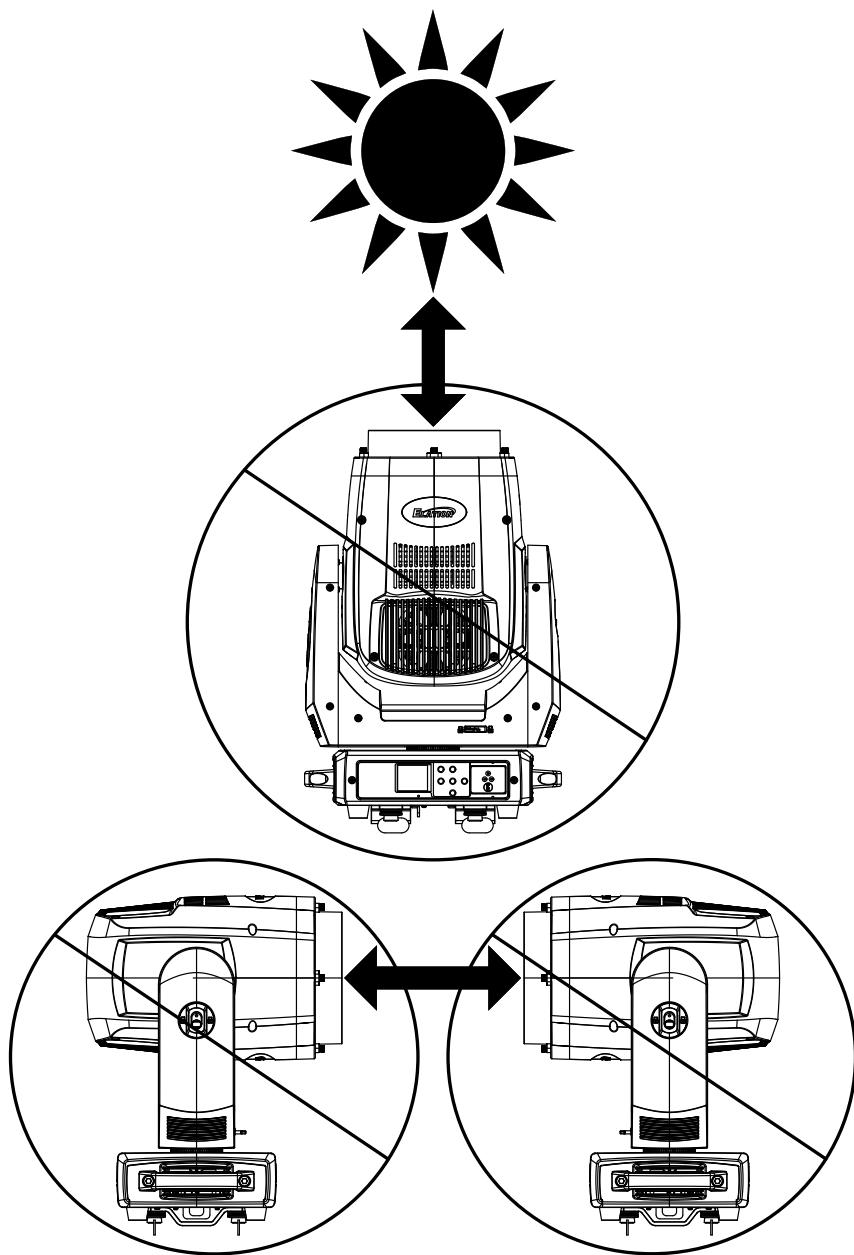
INSTALLATION GUIDELINES

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams from direct sunlight, lighting 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 to 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, 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 prevent any potential damage from occurring if followed. Contact ELATION Service for more details.

DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS WHILE UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



ARIA SETUP AND 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.

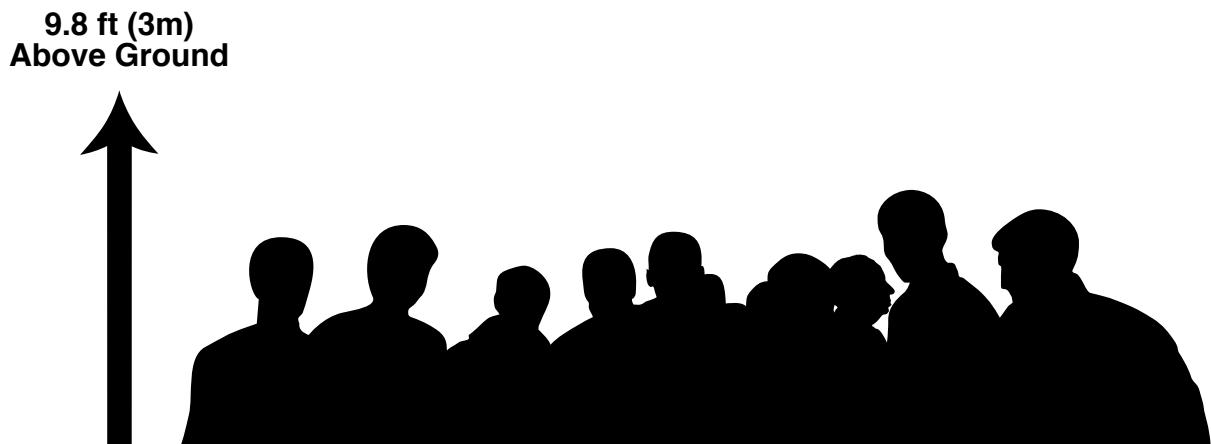
In summary, if an application demands high data rates and more bandwidth in urban or densely populated areas where interference management is feasible, the 2.4 GHz frequency is a suitable choice. On the other hand, for applications requiring long-range communication and better obstacle penetration, particularly 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.



ARIA SETUP AND GUIDELINES

GENERAL INFORMATION

The Aria Bluetooth app has the ability to connect wirelessly to any device that has Aria wireless DMX installed and has Bluetooth enabled.

Before installing the fixture in a remote location, double check that the fixture's main power is switched on, and that the Bluetooth function has been enabled in the fixture's system menu. Certain fixtures may have Bluetooth disabled by default. If this function is disabled, then the fixture cannot be configured remotely using the Aria app, and will have to be configured directly from the fixture's control screen.

Additionally, the user should consider setting the fixture's No DMX setting to "Hold Last". This will allow the fixture to continue running using the current settings, even if the Aria app device moves out of range, the app is closed, or the signal is otherwise interrupted, minimizing disruption in the operation of the fixtures.

LEGACY DEVICES

Please note that legacy connected devices, such as those using Wifly, E-Fly, or Magfly, are not compatible with this app. For such legacy devices, the use of a bridge is recommended, as the bridge can communicate with these devices via its SM220 protocol.

The Aria X2 BLE app is currently available from the Apple app store.

Fixture Identification

Aria compatible devices can be identified and connected via the Fixtures tab in the app. This tab displays a field of twenty-four buttons that can be assigned to Aria compatible devices that are within range, and the buttons will automatically be assigned to devices in the order in which they are discovered. If more than twenty-four units are within range, it may be necessary to use the filter feature to search for the desired fixture. Button location can be edited by selecting the configuration key, then the user can drag and drop the buttons to the desired location and hit save to keep changes. Once a device is known to the app, it can also be assigned to a particular button. From that point forward, the assigned device will always be assigned to that button location.

IMPORTANT NOTE: For version 0.65 or higher, a shared system password is required to connect to any device.

Unlike wireless DMX, Bluetooth is a connect first protocol. To connect to a device or fixture, tap the assigned button in the **Fixtures** tab. If the connection is successful, a green frame will appear around the button, indicating that the app was able to retrieve the current channel values from the fixture. The app must be connected to a fixture in order to use its channel controls or view and change settings. Please note that not all Aria devices have channel controls.

Additionally, each fixture can only be connected to one device with the app at any given time. Once a fixture is connected to the app installed on one device, any other devices will be blocked from connecting. As a result, when setting up a new fixture for the first time, best practice is to have only a single user with the app open within range, in order to ensure that the fixture pairs to the intended user's device.

ARIA SETUP AND GUIDELINES

The second table section shows all Aria devices detected in range. A checkmark indicates the device is currently assigned to a button. If more than 24 devices are within range, the user may remove or add devices to the buttons list by tapping a row to check or uncheck a device. If all buttons are full, it will be necessary to uncheck a device before adding another.

Filter: The user can filter which Aria devices get button assignments by tapping “filter” at the top of the view. A popup will appear where the user can enter text to filter devices by username, model name, or manufacturer. **Please note that these searches are case sensitive.**

Note: If a device shows an asterisk (*) it means that there is no fixture profile currently available, and therefore there will be limited support available for that device. The user will still be able to connect and adjust channels if the device supports that feature, but the user will not be able to view how many channels the device has or the channel names.

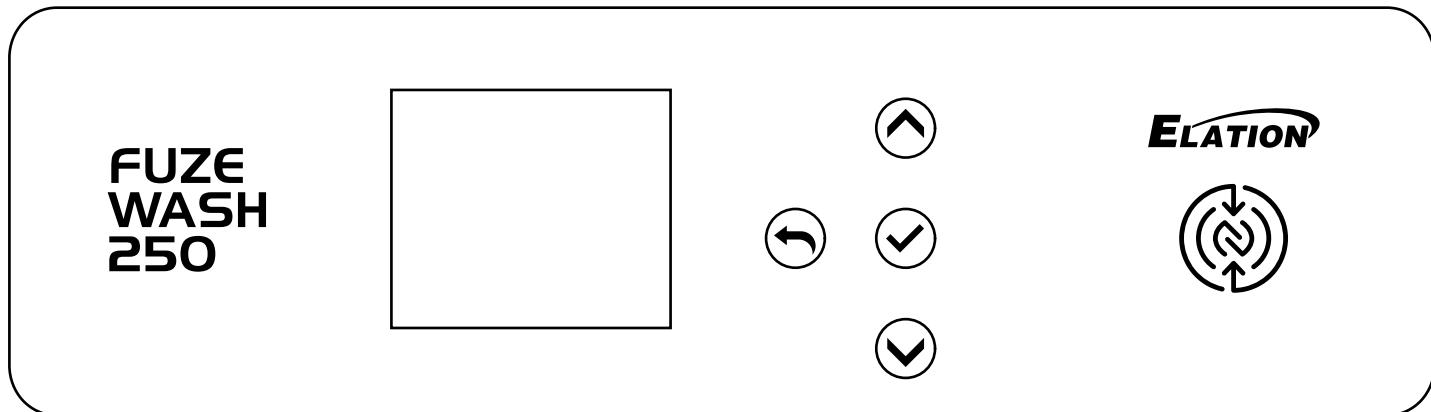
SECURITY

Each fixture must have a password saved to be secure. When a new fixture is installed for the first time, its password will automatically be set to the app’s system password on first connection. Once the password has been entered, the user will need to exit out to the main page containing the fixture buttons, then de-select and re-select the fixture to lock in the password. From that point forward only, controlling devices that use the correct password can connect to this fixture. **This security is now required by law in most jurisdictions.**

The app will detect any Aria capable fixture within range, even if the app does not have the password to that fixture and therefore cannot access that fixture. If that fixture is selected in the app, the green frame will momentarily appear around that fixture’s button, but then disappear. This indicates that the fixture is visible but inaccessible.

SYSTEM MENU

The fixture includes an easy to navigate system menu. The LCD panel display located on the front of the fixture (see image below), provides access to the main system menu and is where all necessary system adjustments are made to the fixture. During normal operation, pressing the **ENTER (Check Mark)** 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 and 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 **ESC (Back Arrow)** button.



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.

Detailed instructions can be found online at www.elationlighting.com.

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

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

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in BOLD)	
DMX	Dmx Address	001 ~ 512
	DMX Mode	Standard, Extended , RGB, RGB Extended, CMY, CMY Extended
	No DMX Status	Hold Last , Fade to Black
		Hibernation Off , 1-99M (Default = 15 Min)
	Protocol	Select Signal DMX , Art-Net, sACN, Aria In-DMX Out, DMX In - Aria Out
		Universe 1
		DHCP Off/On
		IP Address 2.x.x.x
		Subnet Mask 255.0.0.0
	Ethernet DMX Out	Off/On
Aria	Enable Aria	Off / On
	Frequency	2.4Ghz / Sub Gig- US / Sub Gig- EU
	2.4Ghz Chan	00-15
	Sub Gig Chan	00-09
	Enable Mesh	Off / On
	Enable Bluetooth	Off / On
Control	Manual Control	Dimmer 0% - 100%, Pan, Tilt, ...
	Reset	All
		Pan Tilt
		Zoom
	Self Test	All, Dimmer, Movement, Color Mix, Beam
Settings	Fan Mode	Mute, Studio, Low, High, Auto
	Movement	Pan Invert Off/On
		Tilt Invert Off/On
		Pan Tilt Speed Smooth/Fast/Very Fast
		Pan Tilt Feedback Off/On
	Zoom Speed	Smooth/Fast
	Dimmer Curve	Linear, Square, Square Inverse, S-Curve
	Dimmer Mode	Standard , Stage, TV, Architectural, Theatre, Stage 2
		Dim Speed 0s - 10s
	LED Refresh Rate	900Hz - 1500Hz, 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10KHz,15KHz, 20KHz, 25KHz
	Color Tuning	Highest Fidelity
		Balanced Output and Fidelity
		Highest Output
	Output Balance	Bright (Highest Output)
		Uniform (Elation Full Spectrum Match)
	LED Power Limit	50%, 60%, 70%, 80%, 90%, 100%
	Display	Screen Delay 10s - 5min (Default = 1 min)
		Screen Lock Off, 10s - 5 min
		Auto Rotate Off/On
	Reset Defaults	Yes / No

SYSTEM MENU

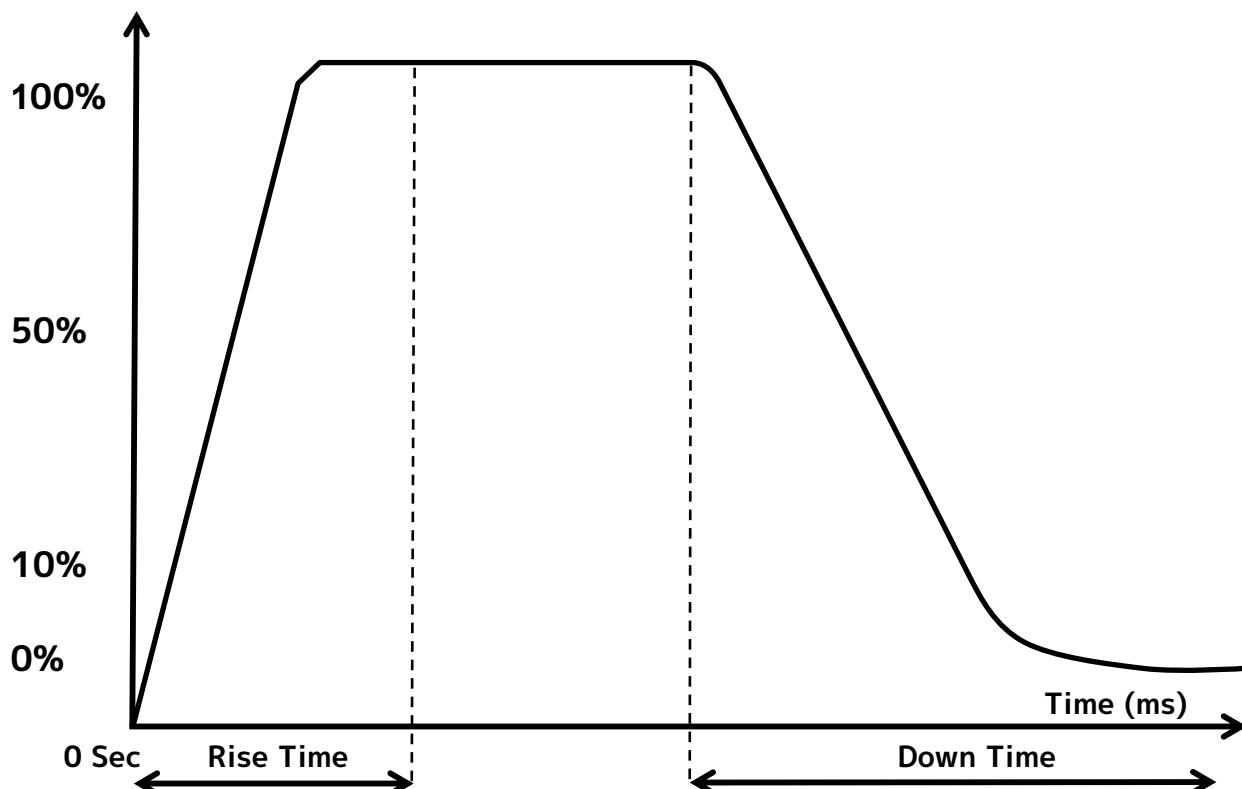
MAIN MENU	OPTIONS / VALUES (Default Settings in BOLD)	
Information	Time	Current Time, Total Run Time, Last Run Time, LED Time
	Temperature	Head, Base, LED
	Fan	Fan xx, ...
	DMX Values	Pan, Tilt, ...
	Product IDs	RDM UID
	Error Logs	Fixture Errors
	Software Version	Vx.x
Service (Passcode 50)	Calibration	Dimmer, Pan, Tilt, ...
	Reset Last Run	Yes / No
	Reset Error Logs	Yes / No

DISPLAY SHORTCUTS

Power On	
Up+Down (3s)	disable Pan Tilt
Back + Enter (10s)	countdown 10 sec Reset to Default (no/yes)

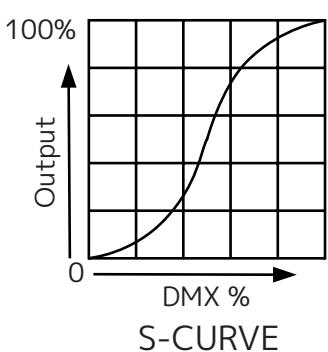
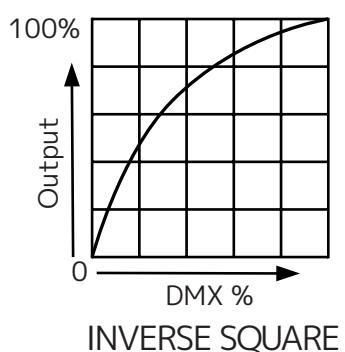
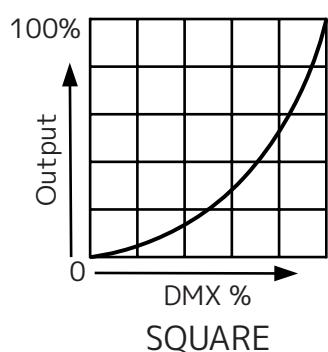
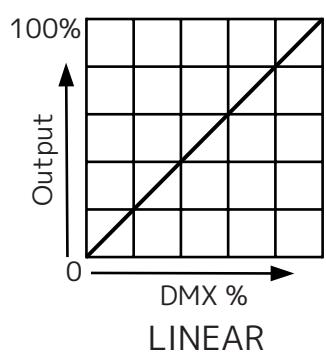
DIMMER MODE

DIMMER



Dimming Curve	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

DIMMER CURVES



DMX TRAITS

Features subject to change without notice										
Mode/Channel						Value	Function	Snap	Default	
Std	Ext	RGB	RGB Ext	CMY	CMY Ext					
1	1	1	1	1	1	0-255	Pan		127	
							Left → Right			
2	2	2	2	2	2	0-255	Pan Fine		127	
							Fine Position			
3	3	3	3	3	3	0-255	Tilt		127	
							Forward → Backward			
4	4	4	4	4	4	0-255	Tilt Fine		127	
							Fine Position			
5	5	5	5			0-255	Red		0	
							0 → 100%			
	6		6			0-255	Red Fine		0	
							Fine Saturation			
6	7	6	7			0-255	Green		0	
							0 → 100%			
	8		8			0-255	Green Fine		0	
							Fine Saturation			
7	9	7	9			0-255	Blue		0	
							0 → 100%			
	10		10			0-255	Blue Fine		0	
							Fine Saturation			
8	11					0-255	Mint		0	
							0 → 100%			
	12					0-255	Mint Fine		0	
							Fine Saturation			
9	13					0-255	Amber		0	
							0 → 100%			
	14					0-255	Amber Fine		0	
							Fine Saturation			
				5	5	0-255	Cyan		0	
							0 → 100%			
					6	0-255	Cyan Fine		0	
							Fine Saturation			
				6	7	0-255	Magenta		0	
							0 → 100%			
					8	0-255	Magenta Fine		0	
							Fine Saturation			
				7	9	0-255	Yellow		0	
							0 → 100%			
					10	0-255	Yellow Fine		0	
							Fine Saturation			

DMX TRAITS

Features subject to change without notice

MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
10		8		8			CCT Presets		0
						0-23	Open (6000K)		
						24-85	2400K → 8500K (See Sheet)		
						86-255	8500K		
	15		11		11		Variable CCT		0
						0-23	Open (6000K)		
						24-255	2400K → 8500K		
	16		12		12	0-255	Variable CCT Fine		0
							Fine Adjustment		
	17		13		13		Green Shift		0
						0	Idle		
						1-127	Full Minus Green to Neutral		
						128	Neutral White		
						129-255	Neutral to Full Plus Green		
	11	18	9	14	9	14			X 0
							Color		
							0		
							1-179	Virtual Swatch Book (See Sheet)	
								Scroll	
							180-201	Clockwise Fast → Slow	
							202-207	Stop	
							208-229	Counter-clockwise Slow → Fast	
							230-234	Open	
								Random Slots	
							235-239	Fast	
	12	19	10	15	10	15	0-255	Zoom	127
								Narrow → Wide	
								Strobe	
							0-31	Closed	
							32-63	Open	
							64-95	Strobe effect slow to fast	
							96-127	Open	
							128-159	Pulse Effect	
							160-191	Open	
							192-223	Random Slow → Fast	
	13	20	11	16	11	16			X 50

DMX TRAITS

Features subject to change without notice

MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
14	21	12	17	12	17	0-255	Dimmer		0
							0 → 100%		
15	22	13	18	13	18	0-255	Dimmer Fine		0
							Fine Adjustment		
23	19	19	19	19	19	0-255	Dimmer Modes	X	0
							0-20		
							21-40		
							41-60		
							61-80		
							81-100		
							101-120		
							Dimmer Time		
							121		
							122		
							123		
							124		
							125		
							126		
							127		
							128		
							129		
							130		
							131		
							132		
							133		
							134		
							135		
							136		
							137		
							138		
							139		
							140		
							141		
							142-149		
24	20	20	20	20	20	0-225	Dim to Warm	X	0
							150-154		
							155-159		
							160-255		
							Pan / Tilt Speed		
							0-225		
							Max → Min Speed		
							226-235		
							Blackout by movement		
							236-245		
							Blackout by other changes		
							246-255		
							No function		

DMX TRAITS

Features subject to change without notice

MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
16	25	14	21	14	21		Control		
						0-39	Idle		
						40-44	Low Noise - Mute		
						45-49	Low Noise - Studio		
						50-59	Fan Control - Low		
						60-69	Fan Control - High		
						70-79	Fan Control - Auto (Default)		
						80-84	All motor reset		
						85-87	Pan / Tilt reset		
						88-93	Zoom reset		
						94-99	Idle		
							Refresh Rate (Hz)		
						100	900		
						101	910		
						102	920		
						103	930		
						104	940		
						105	950		
						106	960		
						107	970		
						108	980		
						109	990		
						110	1000		
						111	1010		
						112	1020		
						113	1030		
						114	1040	X	0
						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		
						132	1220		
						133	1230		
						134	1240		
						135	1250		
						136	1260		
						137	1270		
						138	1280		
						139	1290		
						140	1300		

DMX TRAITS

Features subject to change without notice

MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT		
STD	EXT	RGB	RGB EXT	CMY	CMY EXT						
17	25	14	21	14	21	141	1310	X	0		
						142	1320				
						143	1330				
						144	1340				
						145	1350				
						146	1360				
						147	1370				
						148	1380				
						149	1390				
						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 (default)				
						166	15000				
						167	20000				
						168	25000				
						169-172	Idle				
						173	Hibernation Off				
						174	Hibernation				
						175	Pan Tilt Smooth				
						176	Pan Tilt Fast				
						177	Pan Tilt Very Fast				
						178	Zoom Speed Slow				
						179	Zoom Speed Fast				
						Color Tuning					
						180	Highest Fidelity				
						181	Balanced Output and Fidelity				
						182	Highest Output (Default)				
						Output Balance					
						183	Bright (Highest Output)				
						184	Uniform (Elation Full Spectrum Match)				
						185-200	Idle				
						Dimmer Curves					
						201-210	Linear				
						211-220	Square				
						221-230	Inverse Square				
						231-240	S-Curve (Default)				
						241-249	Idle				
						250-251	Display Off				
						252-253	Display On				
						254-255	Idle				

COLOR TEMPERATURE

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 (COLOR SWATCH)

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	203	Quarter CT Blue
25	148	Bright Rose	55	202	Half CT Blue
26	332	Special Rose Pink	56	201	FULL CT Blue
27	793	Vanity Fair	57	200	Double CT Blue
28	113	Magenta	58	206	Quarter CT Orange
29	46	Dark Magenta	59	205	Half CT Orange
30	48	Rose Purple	60	204	FULL CT Orange

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 its 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
0x22A6	0x0068	61	Standard, Extended, RGB, RGB Extended, CMY, CMY Extended

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:

[0x1031] Preset Playback	[0x00E0] DMX Personality
[0x0122] Default Slot Value	[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
[0x0011] Proxied Device Count	[0x0405] Device Power Cycles
[0x0200] Sensor Definition	[0x0500] Display Invert
[0x0201] Sensor Value	[0x0501] Display Level
[0x0080] Device Model Description	[0x1010] Power State
[0x0081] Manufacturer Label	[0x0020] Queued Message
[0x0082] Device Label	

ERROR CODES

Error Codes subject to change without notice	
ERROR CODES	DESCRIPTION
PAN	Movement is not located in the default position after the reset.
Tilt	These messages will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed, or magnet is missing) or there is a motor failure (defective motor or a defective motor IC drive on the main PCB). This error may also be displayed if the head/yoke was blocked during a reset function.
Zoom	
LED Temp	
LED FAN	These messages will appear if there is a temperature and/or fan malfunction.
BASE FAN	

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to insure 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 the external lens surface at least every 20 days 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 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. Lose 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.

SPECIFICATIONS

SOURCE

250W 6,500K RGBMA (Red, Green, Blue, Mint, Amber) LED Engine
30,000 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

8500 Total Lumen Fixture Output

CRI 92

Zoom Range 6° - 50°

Field Angle 13.9° - 55.8°

Beam Angle 8.4° - 43.6°

EFFECTS

Motorized Zoom

Variable 16-bit Dimming Curve Modes

High Speed Electronic Shutter and Strobe

COLOR

RGBMA Color Array

CMY and RGB Emulation

Variable CCT 2400K - 8500K

Green/Magenta Shift

Virtual Gel Swatch Book

CONTROL / CONNECTIONS

RGBMA, RGB, CMY, DMX Channel Modes

16-bit Pan, Tilt, and Dimming Control

DMX Adjustable LED Frequency

4 Button Control Panel

Full Color 180° Reversible LCD Menu Display

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

Aria x2 Wireless Device Management

NFC Configuration

Locking 5pin XLR Connector In/Out

Locking IP65 Power Connector In/Out

RJ45 Ethernet Connector In/Out (Art-Net & sACN)

SIZE / WEIGHT

Length: 8.2 (208mm)

Width: 12.9" (327mm)

Vertical Height: 18.1" (459mm)

Vertical Height w/Snoot: 19.4" (493mm)

Weight: 24.8lbs. (11.3kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

Max Power Consumption 350W

14°F to 113°F (-10°C to 45°C)

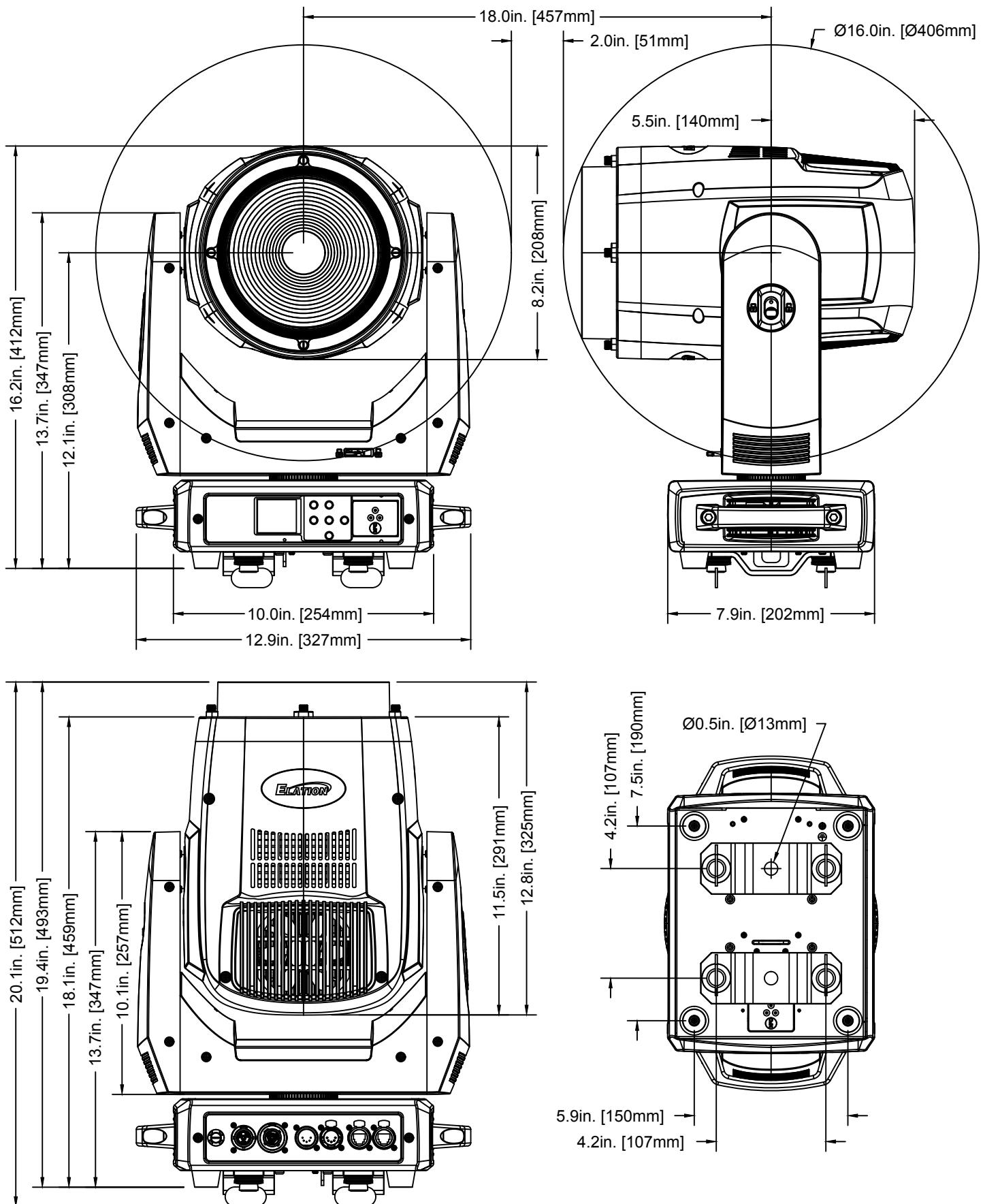
APPROVALS / RATINGS

CE | cETLus | IP20 | FCC



DIMENSIONS

*Drawings not to scale.



OPTIONAL ACCESSORIES:

ORDER CODE		ITEM
US	EU	
FUZ754 (USA)	1237000396 (EU)	Elation Fuze Wash 250
TRIGGER CLAMP		Heavy Duty Wrap Around Hook Style Clamp
SIP126		5 ft. (1.5m) IP65 Twist Lock Power Link Cable
TOU027		5 ft. (1.5m) 5pin PRO DMX Cable
		Additional Cable Lengths Available

FCC STATEMENT

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

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

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

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device 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!



