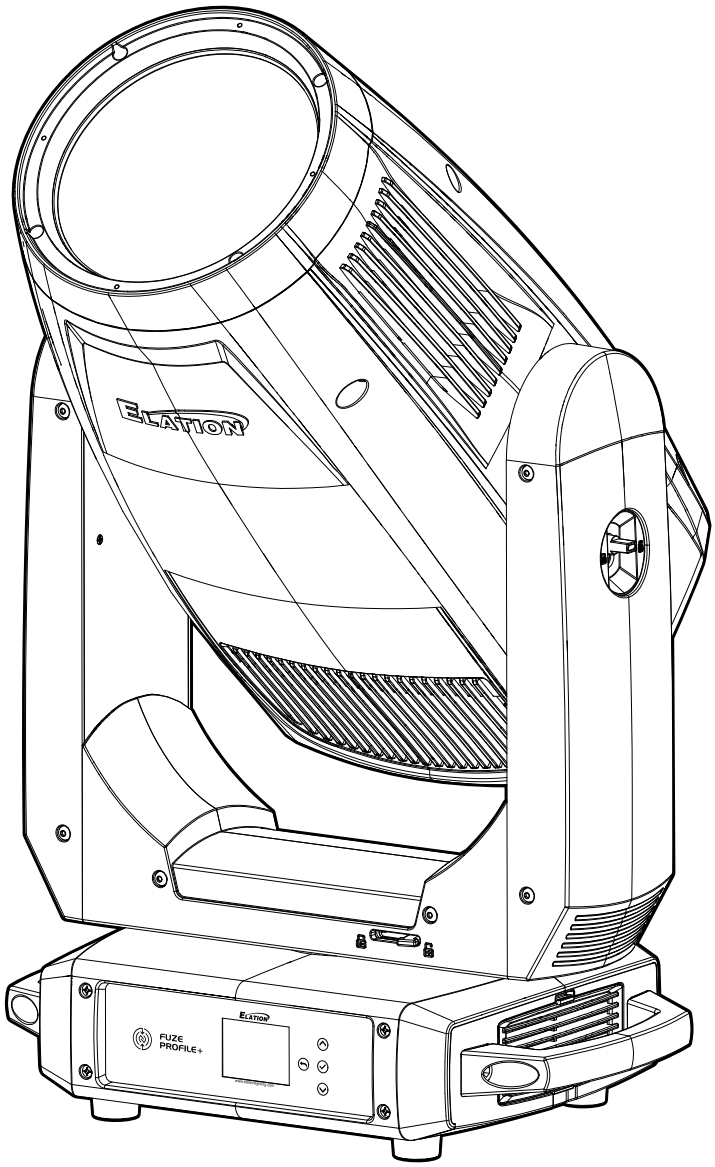


FUZE PROFILE+

user manual

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DOCUMENT VERSION

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

Date	Document Version	Software Version ≥	DMX Channel Modes	Notes
07/06/26	1.0	1.3.1	Standard, Extended, RGB, RGB Extended, CMY, CMY Extended, Fuze Profile Standard	Initial Release
10/08/26	1.1	N/C	No Change	Update System Menu & DMX Traits

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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 LED engine 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 Brackets
Safety Cable
Locking Power Cable
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
+31 45 546 85 63 | support@elationlighting.eu

REPLACEMENT PARTS please visit parts.elationlighting.com

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.

GENERAL INFORMATION

LIMITED WARRANTY

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

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

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

PRODUCT REGISTRATION

To register your product, please visit the page listed below or scan the QR code.

USA: https://www.elationlighting.com/pages/product-warranty-registration

SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee safe and reliable operation, follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury or damage resulting from misuse of this fixture due to disregard of the information in this manual. Only qualified and/or certified personnel should perform installation of this fixture. Use only the original rigging and mounting hardware included with this fixture (or available optional accessories). Any modifications to the fixture or the included/optional rigging and mounting hardware will void the original manufacturer's warranty and increase the risk of damage 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 0.5 meters is not expected.

Maintain a minimum distance of 0.5 meters from lighted objects. Replace shields, lenses, or ultraviolet screens if they show visible damage (such as cracks or deep scratches) that compromise their effectiveness.

Deep scratches on powder-coated metal can compromise the protective layer, exposing the underlying metal to environmental elements. Once the coating is damaged, moisture can infiltrate the surface, leading to corrosion. Regular inspection and maintenance of powder-coated surfaces are essential to prevent these issues and preserve the metal's integrity.

Reinforced insulation should be maintained between the main power supply and control conductors.

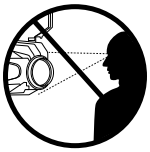
This luminaire is designed for professional use only.



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 OR DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS OR REPAIRS. DO NOT PLUG THE FIXTURE INTO A DIMMER PACK! NEVER OPEN THIS FIXTURE WHILE IN USE! UNPLUG POWER BEFORE SERVICING THE FIXTURE! NEVER TOUCH THE FIXTURE DURING OPERATION, AS IT MAY BE HOT! KEEP FLAMMABLE MATERIALS AWAY FROM THE FIXTURE!



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



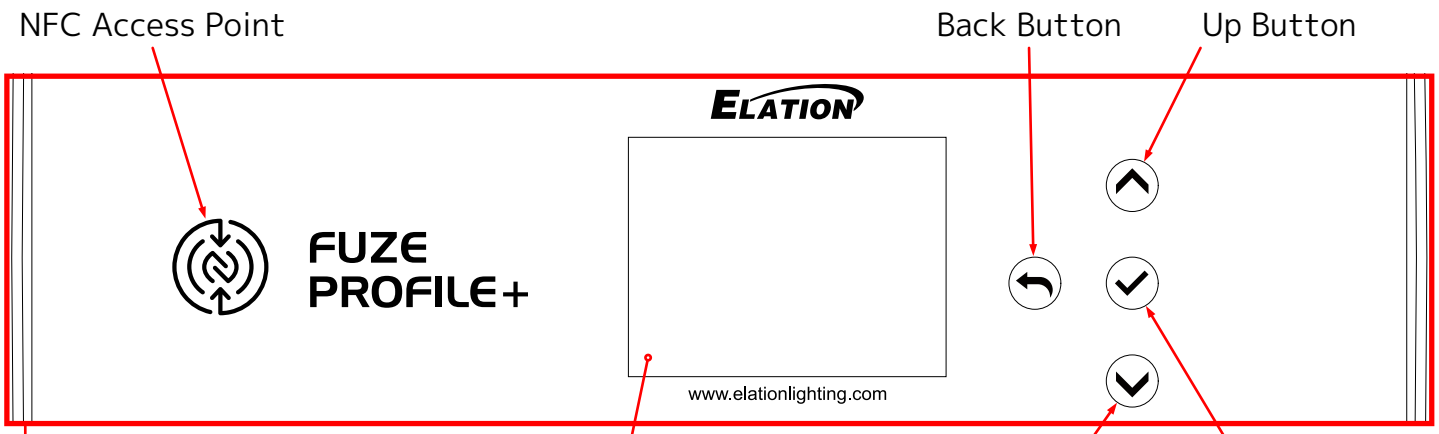
INDOOR / DRY LOCATIONS USE ONLY! DO NOT EXPOSE FIXTURE TO RAIN AND/OR MOISTURE!

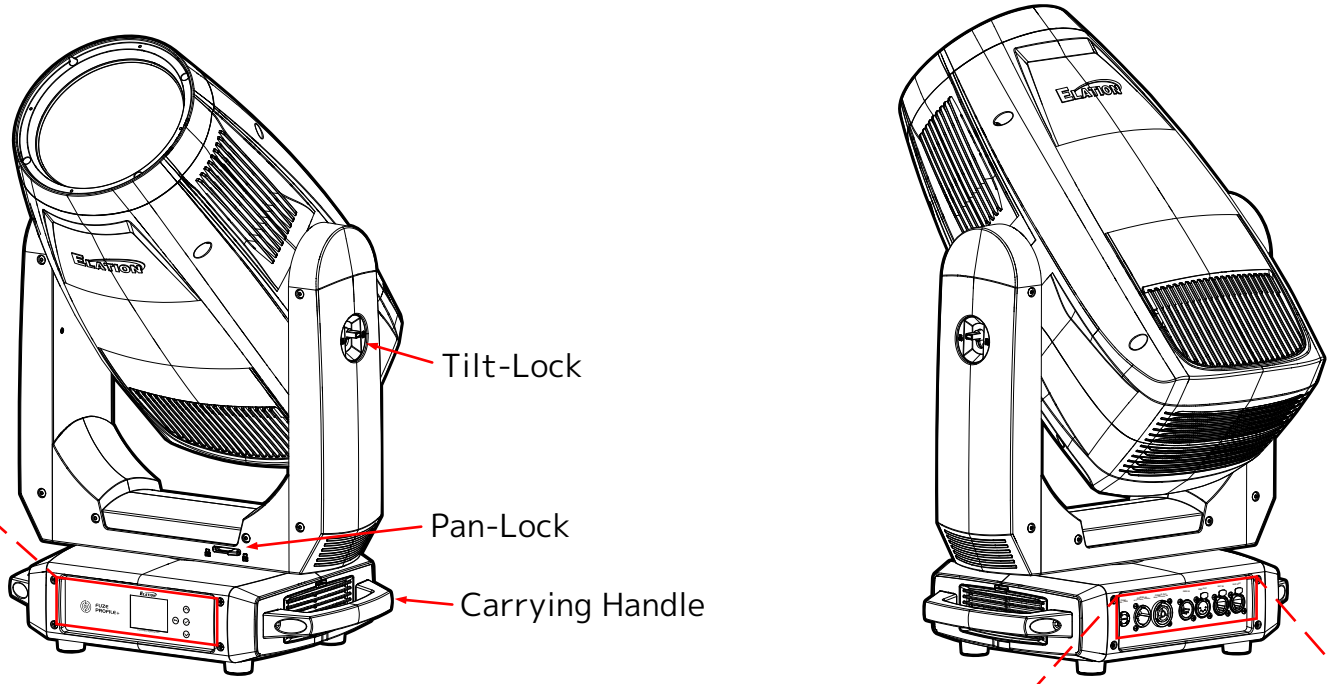


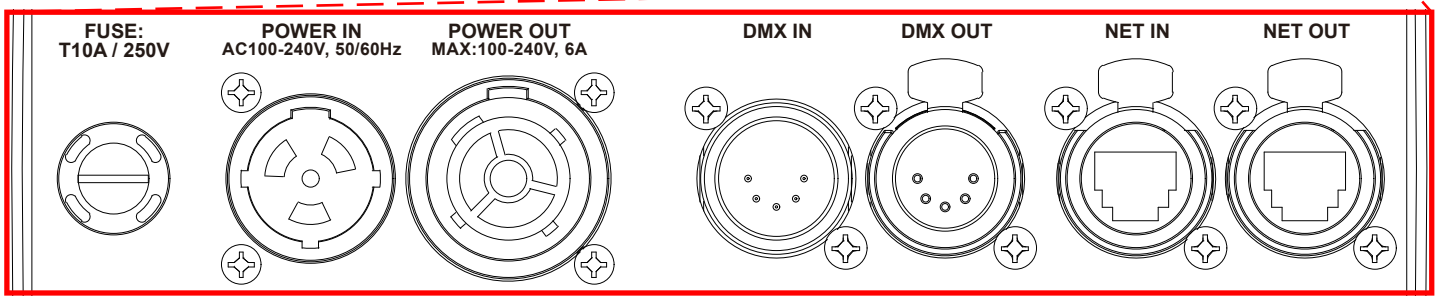
MINIMUM SAFETY DISTANCES
MINIMUM DISTANCE TO ILLUMINATED OBJECTS/SURFACES: 0.5 M (1.6 FT)
MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE SURFACE: 0.5 M (1.6 FT)
MINIMUM DISTANCE TO OTHER LIGHTING FIXTURES / LIGHTING OBJECTS (TO PREVENT EXTERNAL BEAM DAMAGE): 2 M RECOMMENDED

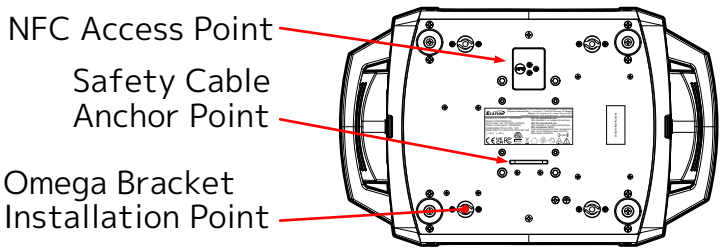
MAXIMUM AMBIENT OPERATING TEMPERATURE: 113 °F (45 °C)

OVERVIEW


NFC Access Point
Back Button
Up Button
ELATION
FUZE
PROFILE+
www.elationlighting.com
Touch Panel
Down Button
Enter Button


Tilt-Lock
Pan-Lock
Carrying Handle


FUSE:
T10A / 250V
POWER IN
AC100-240V, 50/60Hz
POWER OUT
MAX:100-240V, 6A
DMX IN
DMX OUT
NET IN
NET OUT
Fuse
Power In/Out
DMX In/Out
Net In/Out


NFC Access Point
Safety Cable
Anchor Point
Omega Bracket
Installation Point

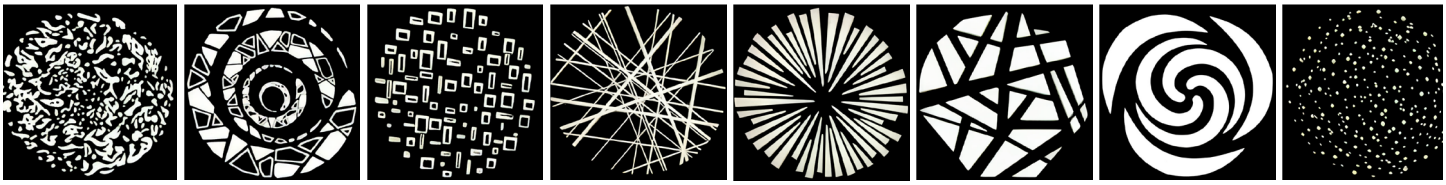
GOBOS

ROTATING GOBO WHEEL



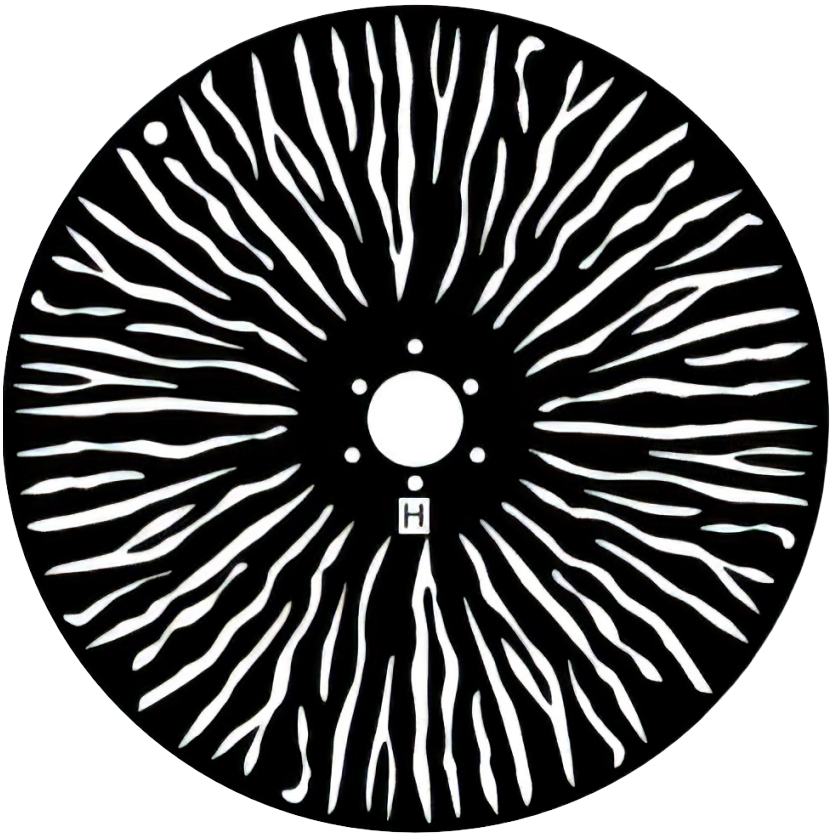
Pos. 1 Pos. 2 Pos. 3 Pos. 4 Pos. 5 Pos. 6 Pos. 7

FIXED GOBO WHEEL



Pos. 1 Pos. 2 Pos. 3 Pos. 4 Pos. 5 Pos. 6 Pos. 7 Pos. 8

ANIMATION WHEEL

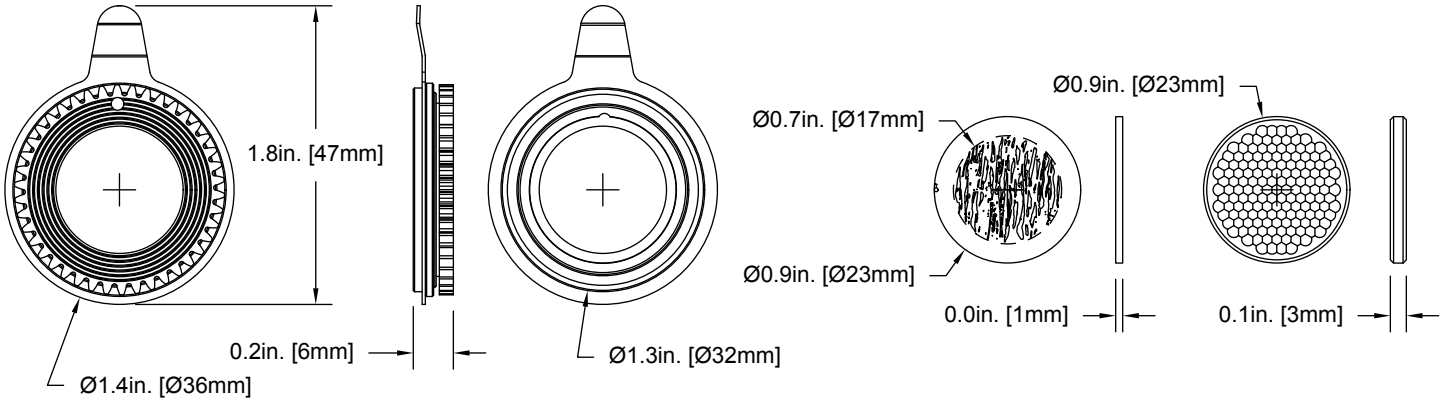


CUSTOM GOBOS

ROTATING GOBO WHEEL GOBO & HOLDER

ROTATING GOBO WHEEL GOBOS POS. 1-6		ROTATING GOBO WHEEL GOBO POS. 7	
Gobo O.D. (Max. Outer Diameter	ø23mm	Gobo O.D. (Max. Outer Diameter	ø23mm
Gobo I.D.	ø15mm	Gobo Thickness	3.0mm
Gobo Thickness	1.1mm	Gobo Material	GLASS
Gobo Material	GLASS		

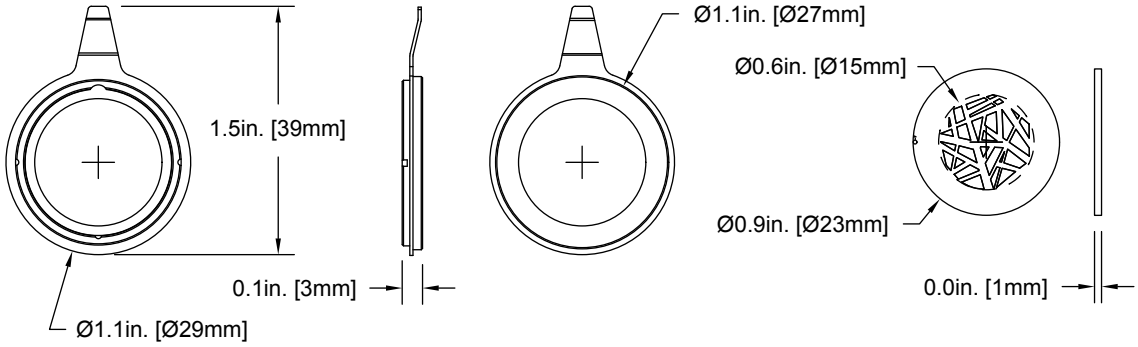
Gobo Holder **Gobo POS. 1-6** **Gobo Pos. 7**



FIXED GOBO WHEEL GOBO & HOLDER

FIXED GOBO WHEEL GOBOS	
Gobo O.D. (Max. Outer Diameter	ø23mm
Gobo O.D. (Max. Outer Diameter	ø15mm
Gobo Thickness	1.0mm
Gobo Material	GLASS

Gobo Holder **Gobo**



Please be aware of the intended position and correct sizing requirements of custom gobos.

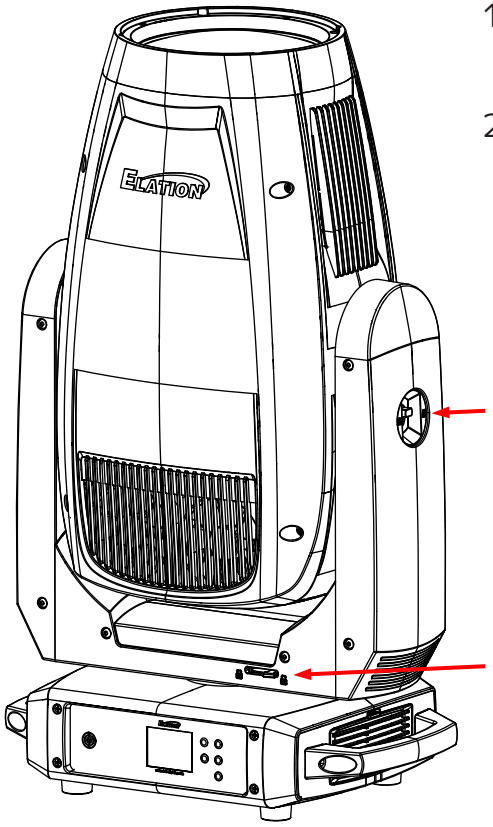
IMPORTANT NOTICE REGARDING CUSTOM GOBOS

Due to the high-temperature optical system, special material is required for custom gobos. Because of varying manufacturing processes and tolerances, it is strongly recommended to provide a gobo sample and holder from the fixture to your custom gobo vendor for accurate sizing. Extended testing of custom gobo designs is highly recommended prior to use. Contact ELATION Service for further information.

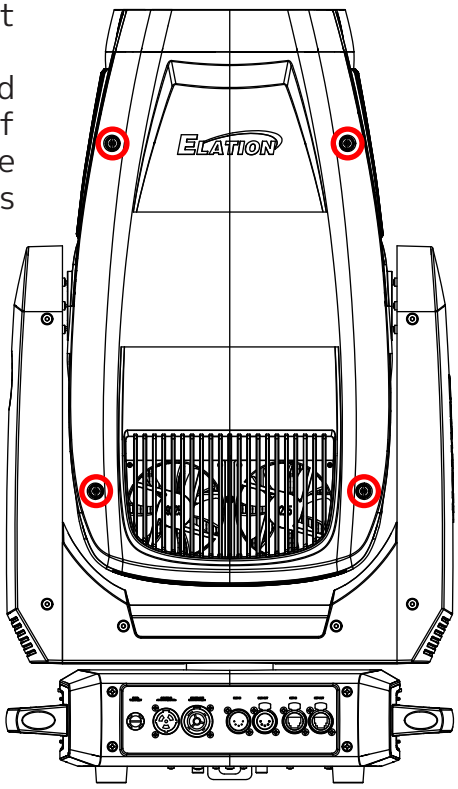
ELATION SERVICE USA -Monday -Friday 8:00am to 4:30pm PST
323-582-3322 | support@elationlighting.com

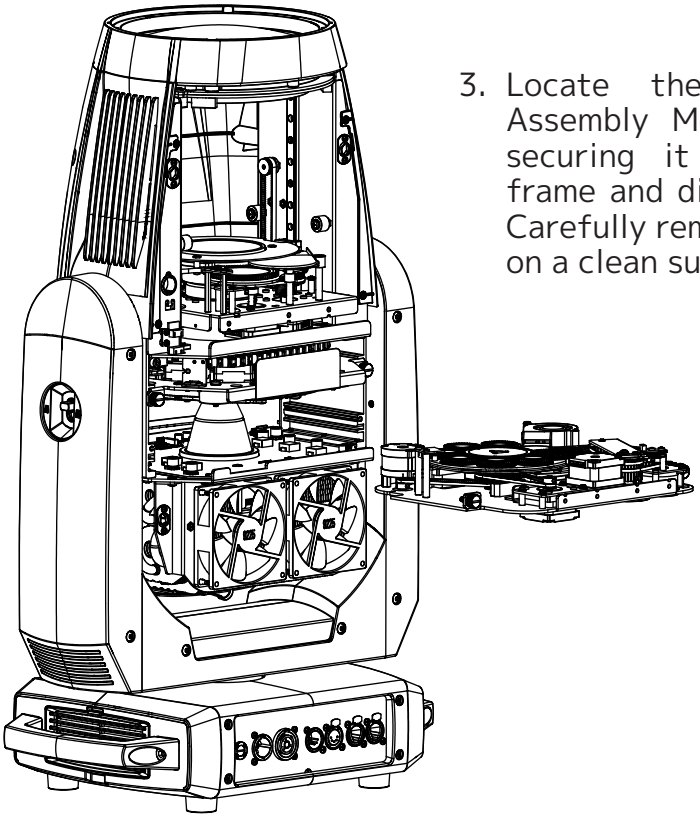
ELATION SERVICE EUROPE -Monday -Friday 08:30 to 17:00 CET
+31 45 546 85 63 | support@elationlighting.eu

GOBO INSTALLATION



1. Place the fixture on a firm, flat surface and engage the Tilt Lock and Pan Lock.
2. Open the rear Moving Head Panel (on the opposite side of the Pan and Tilt Locks). Locate and remove the four hex screws securing the panel.

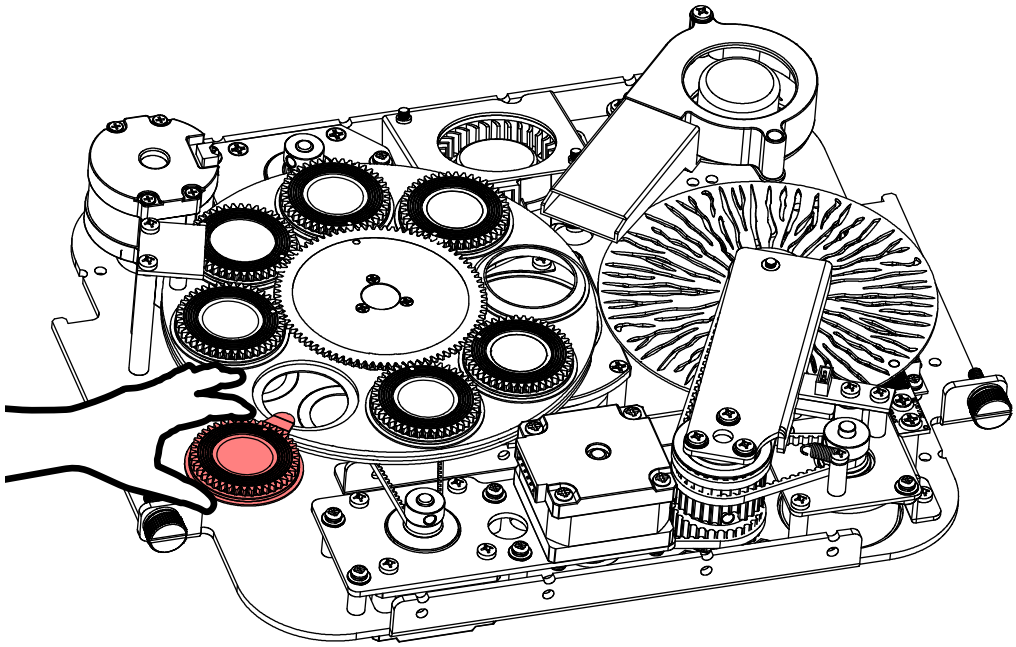




3. Locate the Rotating Gobo Wheel Assembly Module. Remove the screws securing it to the internal housing frame and disconnect the wire harness. Carefully remove the module and place it on a clean surface.

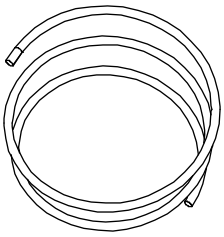
GOBO INSTALLATION

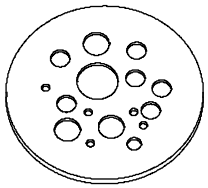
4. Locate the specific rotating gobo to replace. Carefully grip the gobo with your thumb and index finger, gently lift it, and pull it out until it clears the gobo wheel.

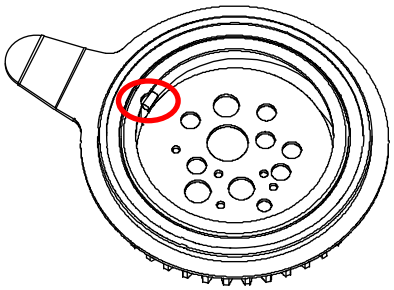


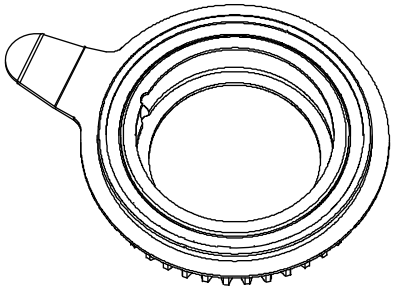
CAUTION: TAKE CARE NOT TO SCRATCH GOBO OR GOBO HOLDER

5. Locate the tab on the Retention Spring. Using a precision pick (or similar tool), carefully press the spring inward to relieve tension. Remove the spring and separate the gobo from the gobo holder.







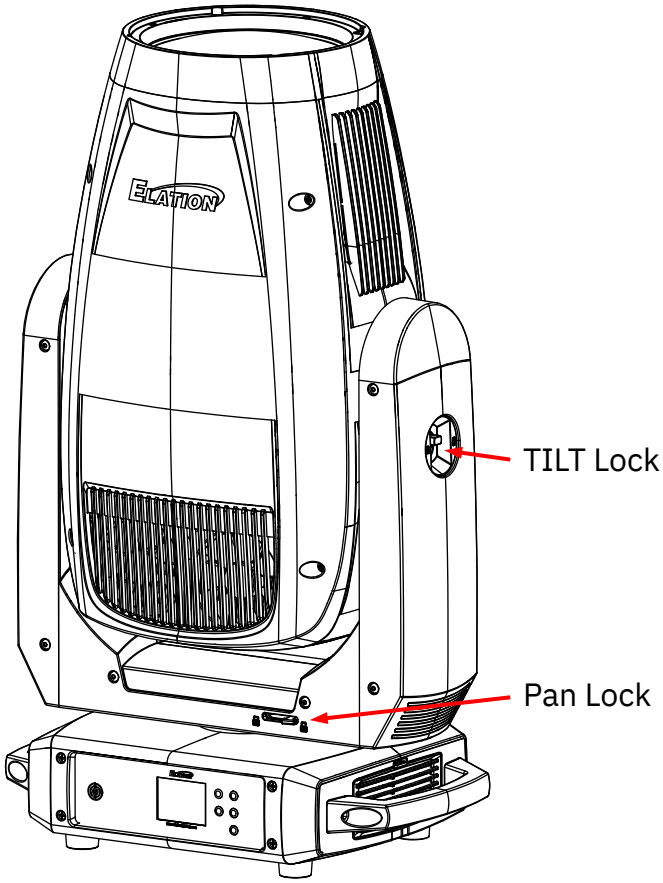


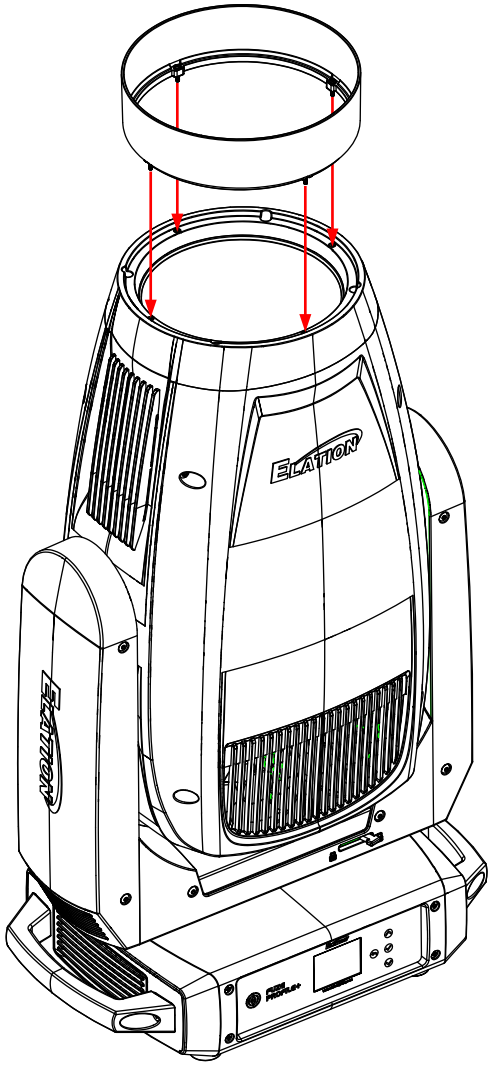
Note: To ensure proper Gobo orientation on the Rotating Gobo Wheel, align the Alignment Indices before installing the Retention Spring.

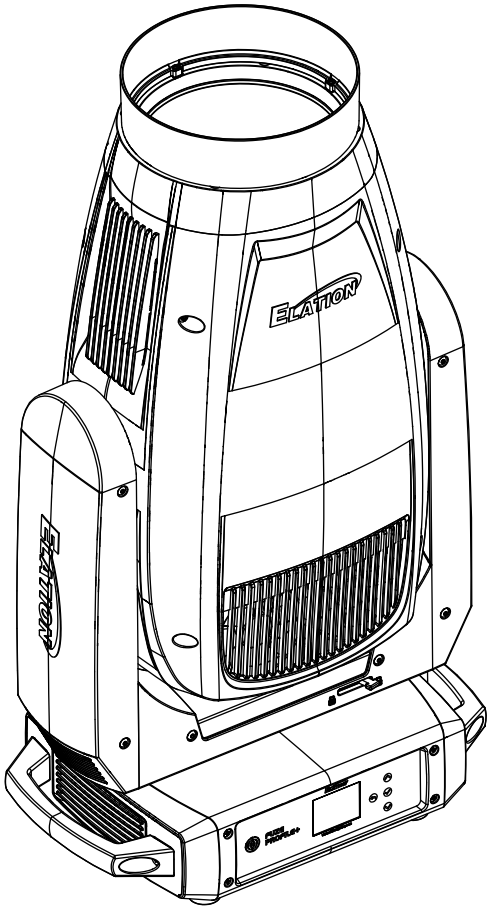
ACCESSORY INSTALLATION: SNOOT

1. Place the fixture on a stable, flat surface and allow it to cool for 15 minutes.
2. Engage the **Tilt Lock** and **Pan Lock**. Align the Snoot onto the front lens and seat it fully, ensuring the four holes of the Snoot align with the four holes on the lens and fixture.
3. Using a hand screwdriver, carefully insert and secure the four screws.
4. Verify that the Snoot is seated properly and all four screws are secure.

CAUTION
DO NOT OVER-TIGHTEN THE SCREWS!
DO NOT USE A POWER SCREWDRIVER!



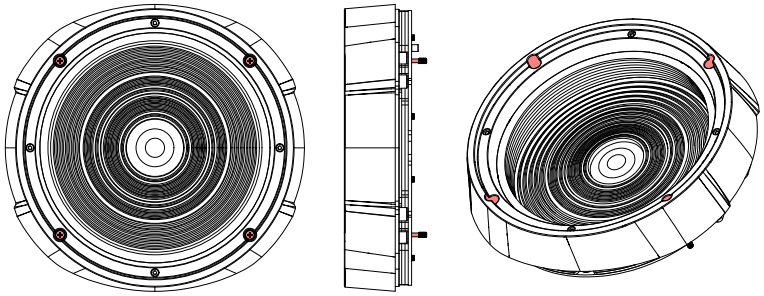


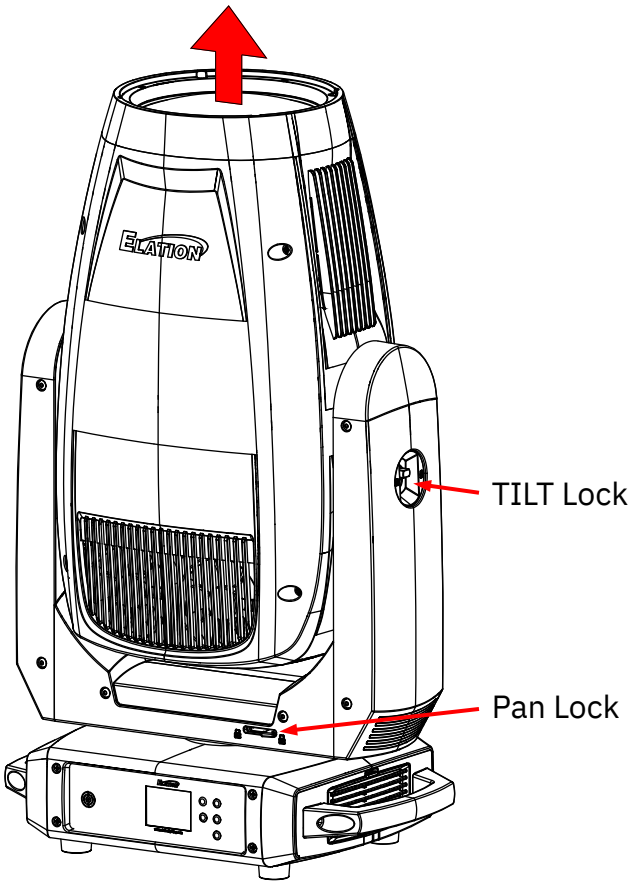


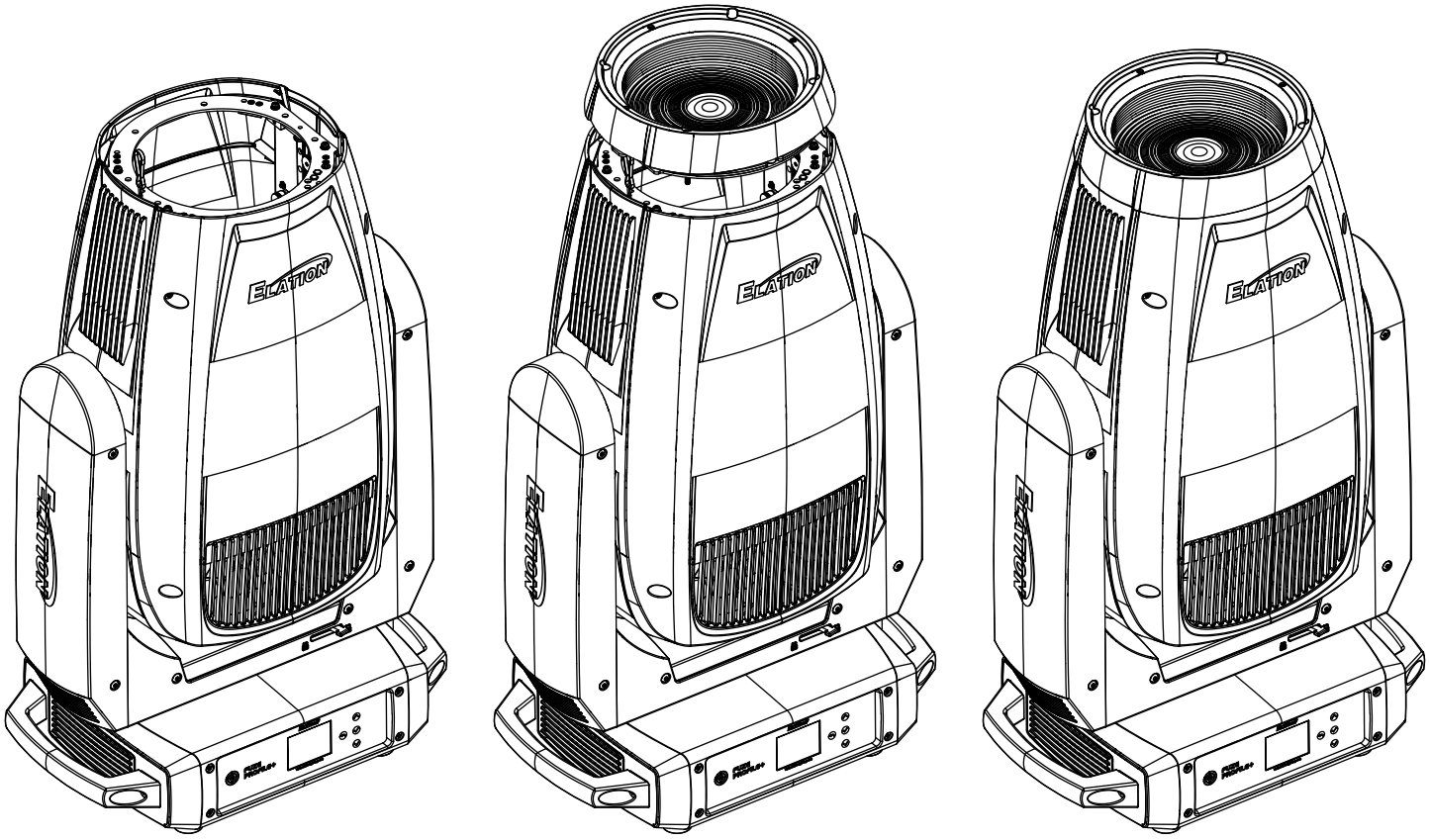
ACCESSORY INSTALLATION: FRESNEL LENS

1. Place the fixture on a stable, flat surface and allow it to cool for 15 minutes.
2. Engage the **Tilt Lock** and **Pan Lock**. Remove the four screws attaching the installed lens to the front of the fixture and set the lens aside.
3. Align the Fresnel Lens onto the front of the fixture, ensuring the four holes of the Fresnel Lens align with the four holes on the fixture.
4. Using a hand screwdriver, carefully insert and secure the four screws.
5. Verify that the Fresnel Lens is seated properly and all four screws are secure.

CAUTION
DO NOT OVER-TIGHTEN THE SCREWS!
DO NOT USE A POWER SCREWDRIVER!







INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING
Keep fixture minimum 1.6 ft (0.5 m) 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.



MINIMUM DISTANCE TO ILLUMINATED OBJECTS/SURFACES MUST BE 1.6 FT (0.5 M)
MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE SURFACE 1.6 FT (0.5 M)

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, 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.

Fixture ambient operating temperature range is **-4° to 113°F (-20° to 45°C)**.
Do not use the fixture under or above this temperature.

Fixture 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 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 10 minutes for the fixture to cool down before servicing.

Duty Cycle - 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 the fixture's operational lifespan.

TRANSPORTATION AND STORAGE
Pan and tilt locks are for service purposes only and are not intended to secure the fixture during transportation. Always disengage them before moving or transporting the unit to avoid damage to the internal mechanics.

CONDENSATION AND MOISTURE INSPECTION
Before powering on, remove the fixture from its packaging or road case in a dry, controlled environment and inspect for transport damage or signs of condensation/moisture caused by temperature changes (e.g., cold storage to warm venue). Allow full acclimation to ambient temperature (at least 1–2 hours) until any condensation evaporates completely to prevent electrical damage, short circuits, or corrosion. Do not operate if moisture is present, as this may cause irreversible damage and void the warranty. If issues persist, consult the troubleshooting guide or contact technical support.

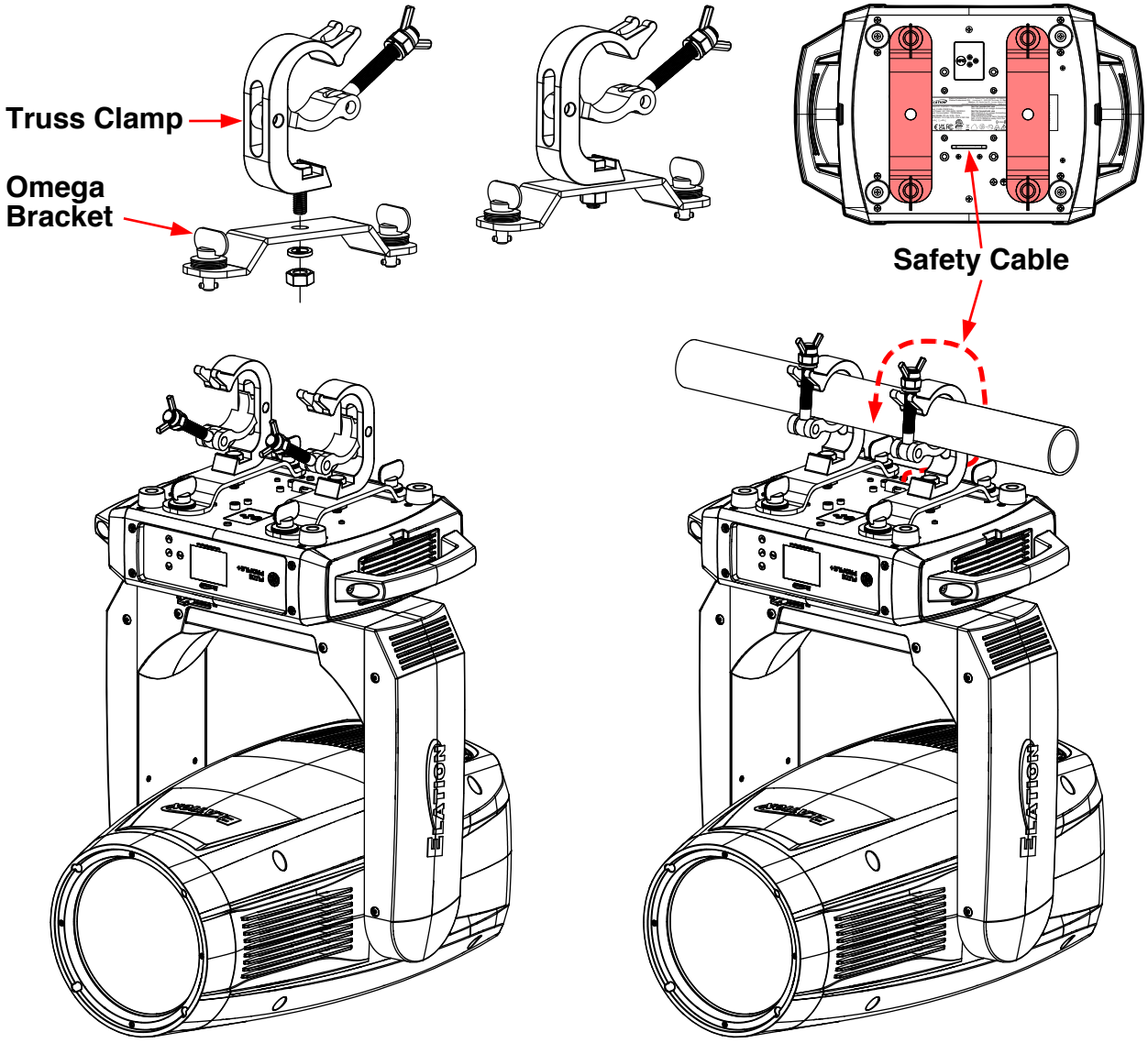
INSTALLATION GUIDELINES

OMEGA BRACKETS WITH CLAMP INSTALLATION

When mounting the fixture to a truss, secure an appropriately rated professional-grade rigging clamp to each Omega Bracket using an M10 screw through the center hole. Insert the Omega Brackets into the matching holes on the bottom of the fixture. Secure them by turning each quick-lock fastener ¼ turn clockwise until fully locked. Omega Brackets can be installed in the orientations shown in the diagram below.

RIGGING

Overhead rigging requires extensive experience, including calculating working load limits, selecting appropriate installation materials, and performing periodic safety inspections of all rigging components and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.



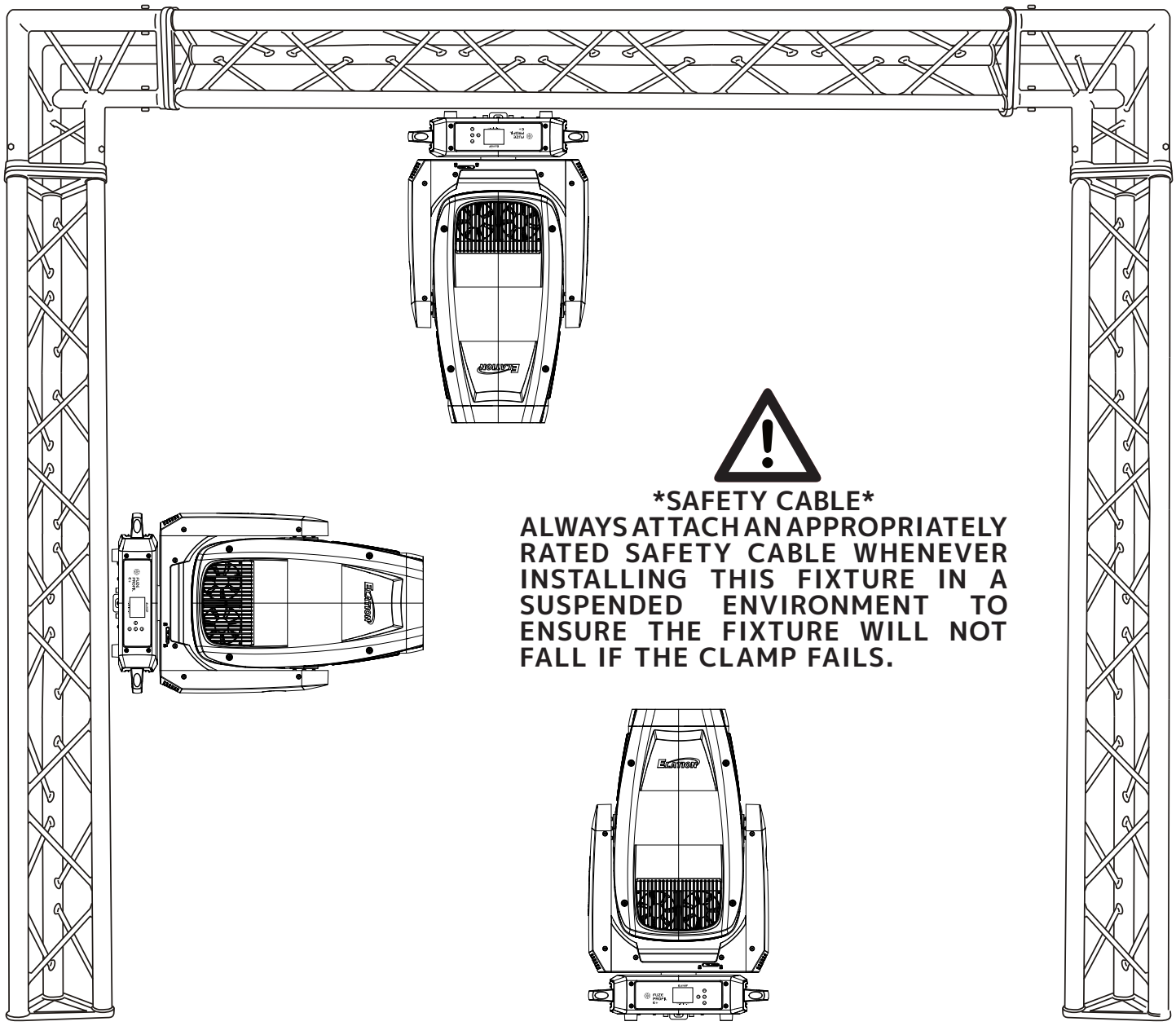
FALLING FIXTURES CAN CAUSE SEVERE INJURY OR SERIOUS EQUIPMENT DAMAGE! FIXTURES SHOULD BE INSTALLED AND INSPECTED ONLY BY QUALIFIED PERSONNEL. DO NOT INSTALL THE UNIT IF YOU LACK THE QUALIFICATIONS TO DO SO, OR IF YOU HAVE ANY DOUBTS ABOUT THE SAFETY AND SECURITY OF THE INSTALLATION SETUP OR LOCATION!

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

FIXTURE INSTALLATION

The Fuze Profile+ is fully operational in three mounting positions: hanging upside-down, mounted sideways on trussing, or placed on a flat, level surface. Keep the fixture at least 1.6 ft (0.5 m) away from any flammable materials (decoration, etc.). Always install the supplied safety cable as a secondary safety measure to prevent accidental damage or injury in the event the clamp fails. **Never use the carrying handles for secondary attachment.**



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

ART-NET | sACN CONNECTION

When connecting the fixture to a network switch to control multiple devices, you must use a Gigabit Ethernet switch that supports IGMP (Internet Group Management Protocol). Using a switch that does not support IGMP can cause erratic behavior across all connected devices. For more information about IGMP, see:

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

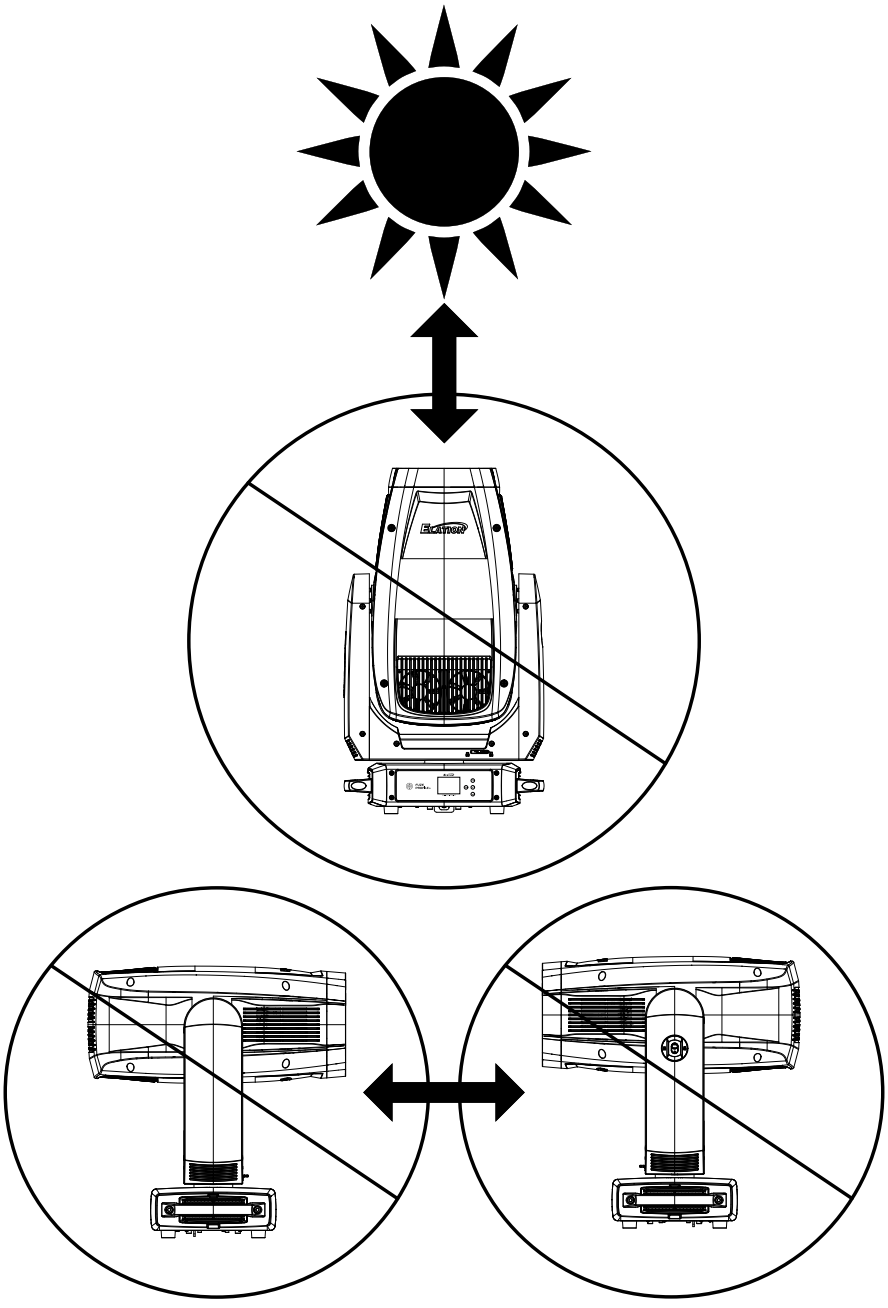
INSTALLATION GUIDELINES

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams (direct sunlight, other moving head fixtures, or lasers) that are focused directly at the exterior housing or penetrate the front lens opening can cause severe internal damage. This includes burning to optics, dichroic color filters, glass and metal gobos, prisms, animation wheels, frost filters, iris, shutters, motors, belts, wiring, and LEDs.

This issue affects lighting fixtures from all manufacturers. While there is no way to completely eliminate the risk, following the guidelines below can significantly reduce the chance of damage. 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, OR LASERS DURING UNPACKING, INSTALLATION, USE, OR EXTENDED IDLE PERIODS OUTDOORS. DO NO FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



ARIA SETUP AND GUIDELINES

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.

2.4GHZ 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 control panel (see image below) located on the front of the fixture, provides access to the main system menu and is where all necessary system adjustments are made to the fixture. During normal operation, pressing **ENTER** 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 **ENTER** button.

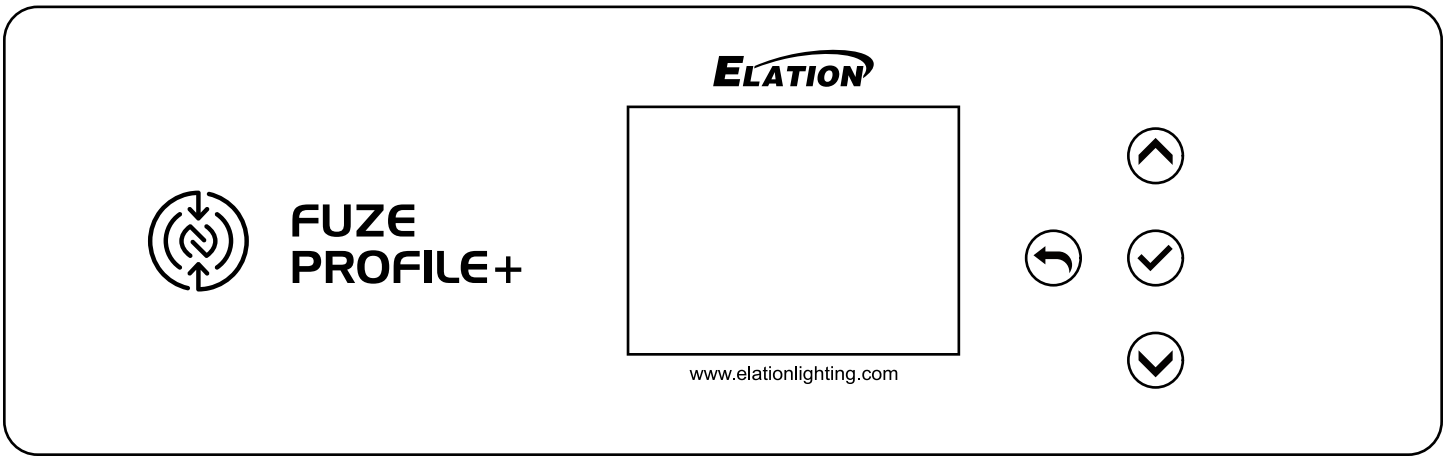
Display Shortcuts:

Power Off: Long press the **ENTER** button for 3s, activate battery mode.

Power On: Long press the **ENTER** button for 10s, unlock display, show 10s countdown

Long press the **UP** button and the **DOWN** button for 3s, disable Pan Tilt

Long press the **BACK** button and the **ENTER** button for 5s, Countdown 10 sec or Reset to Default



SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
DMX	DMX Address	001 - xxx	
	DMX Mode	Standard	
		Extended	
		RGB	
		RGB Extended	
		CMY	
		CMY Extended	
		Fuze Profile Standard	
	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	
		Color	
		Gobo	
		Shutter	
		Others	
	Self Test	All	
		Dimmer	
		Movement	
		Color Mix	
		Gobo	
		Beam	

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
Settings	Movement	Pan Invert	**Off**/On
		Tilt Invert	**Off**/On
		Pan Tilt Speed	Smooth/**Fast**
		Follow Spot	Off/**On**
		Pan Tilt Feedback	Off/**On**
		Zoom Speed	Fast/**Smooth**
	Fan Control	**Auto**, High, Low, Studio, Mute	
	Dimmer Curve	Linear, Square, Square Inverse, **S-Curve**	
	Dimmer Mode	Standard, Stage, TV, Architectural, Theatre, Stage 2	
		Dim Speed	0s-10s
	LED Refresh Rate	**1200Hz**, 1300Hz, 1400Hz, 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 User Defaults	Yes / **No**	
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, ...	
	Record User Defaults	Yes / **No**	
	Reset Factory Defaults	Yes / **No**	
	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 Last Run (no/yes)

HIBERNATION MODE

To reduce wear on the fixture and its components, this mode disables motors and most electronics. Set the hibernation mode countdown time in the Display Menu: “Status Settings / Personality / Hibernation”. Hibernation can be fully disabled.

The hibernation mode activates under the following conditions:
1. Loss of DMX: the fixture enters hibernation after the timeout expires. Default is 15 minutes.
2. Remote DMX control: Hold “Hibernate Fixture” for 3s

The hibernation mode deactivates under the following conditions:
1. Connect DMX Signal
2. Remote DMX control: Hold “Hibernate Off” for 3s

The fixture will perform a full calibration cycle, then assume the current DMX status.

Please note that the Hibernation does not change the PT position of the fixtures, allowing the user to set the desired position and then issue the Hibernate command.

To ensure the fixture is protected from harmful sunrays it is recommended to either leave the “No DMX Status” in “Sun Protection” (so the fixture is already in the correct position after 3 minutes of DMX loss) or set the fixture to a safe Tilt position manually first before hibernation.

Burn and heat damage to the fixture’s interior components due to external light sources (sun or other fixtures shining into the lens) is never covered under the manufacturers warranty.

FAN MODES AND LOW NOISE OPERATION

The Proteus brutus FS 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 over a brief period, preventing unwanted attraction to the fixture.

Auto (Default) – Fans only run at the speeds needed to keep the LED engine within a safe temperature range, and ensures optimal performance of the fixture. 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, at all times, try to keep noise levels at a minimum. The fixture output will only be reduced when the LED engine cannot be cooled to its safe operating range due to a high ambient temperature.
NOTE: This mode is recommended for daily operation.

High – Fan speeds are increased throughout the fixture for the most efficient cooling. 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 reaches an unsafe temperature, at which point the fixture will reduce power carefully to ensure continued safe operation. This mode is only required in very high ambient temperatures when automatic fan speed adjustments are not desired.

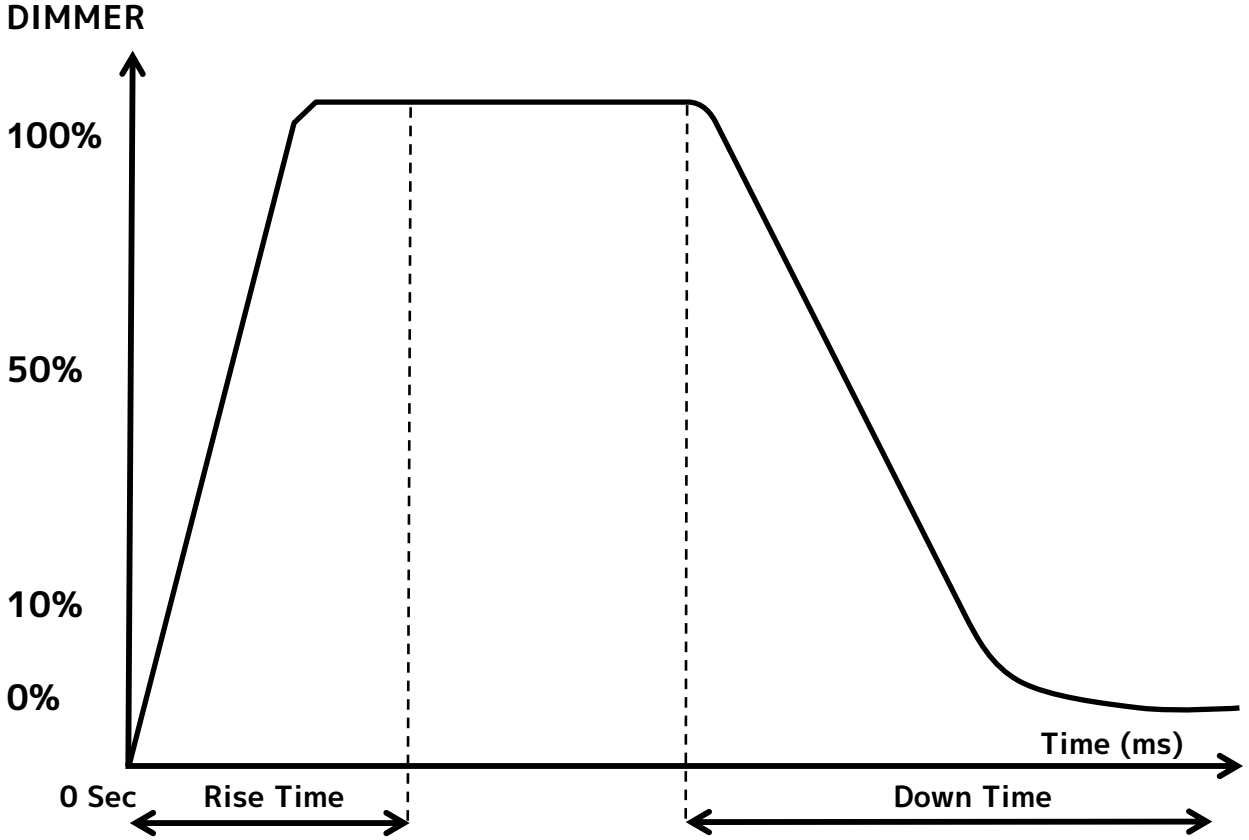
Low Noise Modes:

For very critical noise environments, the fixture offers this mode, and two additional Low Noise Modes for silent operation: Studio and Mute. In Low mode, the fixture output will be reduced, yet due to the extremely high luminous flux, the fixture still offers outstanding performance. In Low Noise Mode, all parameters of the fixture operate more quietly with reduced fan speeds.

Low/Studio – Fan speeds are reduced throughout the fixture for a lower noise profile. The fixture output is also reduced. This mode should be sufficient for most uses where lower noise is required.

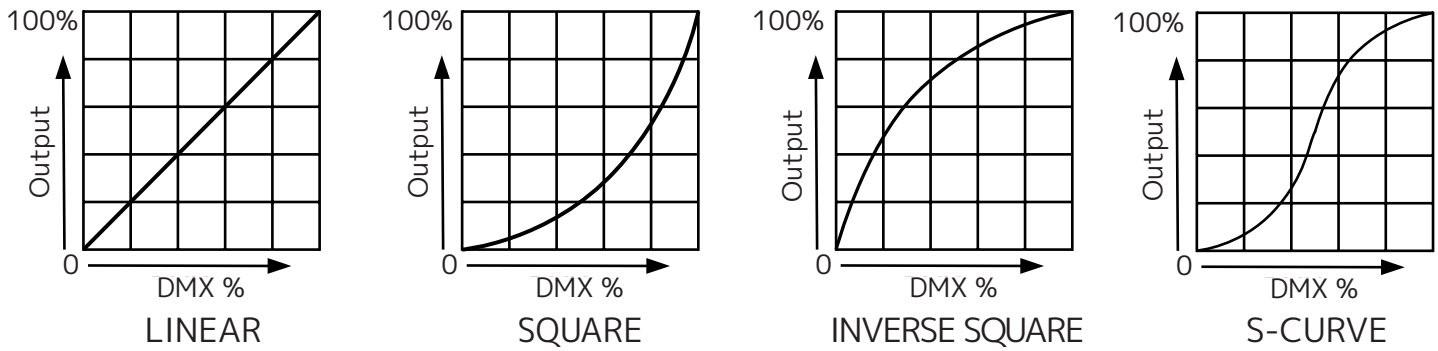
Mute – All but one fixture fan is turned off for whisper-quiet operation. The fixture LED power is reduced to further.

DIMMER MODE



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

DIMMER CURVES



DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
1	1	1	1	1	1	1	000-255	**Pan** Left → Right		127
2	2	2	2	2	2	2	000-255	**Pan Fine** Fine Position		127
3	3	3	3	3	3	3	000-255	**Tilt** Forward → Backward		127
4	4	4	4	4	4	4	000-255	**Tilt Fine** Fine Position		127
5	5	5	5			5	000-255	**Red** 0 → 100%		255
	6		6				000-255	**Red Fine** Fine Saturation		255
6	7	6	7			6	000-255	**Green** 0 → 100%		255
	8		8				000-255	**Green Fine** Fine Saturation		255
7	9	7	9			7	000-255	**Blue** 0 → 100%		255
	10		10				000-255	**Blue Fine** Fine Saturation		255
8	11					8	000-255	**Mint** 0 → 100%		255
	12						000-255	**Mint Fine** Fine Saturation		255
9	13					9	000-255	**Amber** 0 → 100%		255
	14						000-255	**Amber Fine** Fine Saturation		255
				5	5		000-255	**Cyan** 0 → 100%		0
					6		000-255	**Cyan Fine** Fine Saturation		0
				6	7		000-255	**Magenta** 0 → 100%		0
					8		000-255	**Magenta Fine** Fine Saturation		0
				7	9		000-255	**Yellow** 0 → 100%		0
					10		000-255	**Yellow Fine** Fine Saturation		0

DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
10		8		8		10		**CCT Presets**		0
							000-023	Open (6000K)		
							024-085	2400K → 8500K (See Sheet)		
							086-255	8500K		
	15		11		11			**Variable CCT**		0
							000-023	Open (6000K)		
							024-255	2400K → 8500K		
	16		12		12			**Variable CCT Fine**		0
								Fine Adjustment		
	17		13		13			**Green Shift**		0
							000	Idle		
							001-127	Full Minus Green to Neutral		
							128	Neutral White		
							129-255	Neutral to Full Plus Green		
11	18	9	14	9	14	11		**Color**		0
							000	Open		
							001-179	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		
							240-244	Medium		
							245-249	Slow		
							250-255	Open		

DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
12	19	10	15	10	15			**Rotating Gobo Wheel**	X	0
							000-009	Open		
							010-019	Rotating Gobo 1		
							020-029	Rotating Gobo 2		
							030-039	Rotating Gobo 3		
							040-049	Rotating Gobo 4		
							050-059	Rotating Gobo 5		
							060-069	Rotating Gobo 6		
							070-077	Rotating Gobo 7		
							078-093	Gobo 1 Shake Slow → Fast		
							094-109	Gobo 2 Shake Slow → Fast		
							110-125	Gobo 3 Shake Slow → Fast		
							166-141	Gobo 4 Shake Slow → Fast		
							142-157	Gobo 5 Shake Slow → Fast		
							158-173	Gobo 6 Shake Slow → Fast		
							174-189	Gobo 7 Shake Slow → Fast		
								Scroll		
							190-221	Clockwise Fast → Slow		
							222-223	Stop		
							224-255	Counter-clockwise Slow → Fast		
						12		**Rotating Gobo Wheel**	X	0
							000-009	Open		
							010-019	Rotating Gobo 1		
							020-029	Rotating Gobo 2		
							030-039	Rotating Gobo 3		
							040-049	Rotating Gobo 4		
							050-059	Rotating Gobo 5		
							060-069	Rotating Gobo 6		
							070-089	Gobo 1 Shake Slow → Fast		
							090-109	Gobo 2 Shake Slow → Fast		
							110-129	Gobo 3 Shake Slow → Fast		
							130-149	Gobo 4 Shake Slow → Fast		
							150-169	Gobo 5 Shake Slow → Fast		
							170-189	Gobo 6 Shake Slow → Fast		
								Scroll		
							190-221	Clockwise Fast → Slow		
							222-223	Stop		
							224-255	Counter-clockwise Slow → Fast		
13	20	11	16	11	16	13		**Rotating Gobo Index/Rotation**		0
							000-127	Index Position		
								Rotate		
							128-189	Clockwise Fast → Slow		
							190-193	Stop		
							194-255	Counter-clockwise Slow → Fast		
14	21	12	17	12	17	14	000-255	**Rotating Gobo Index/Rotation Fine**		0
								Fine Adjustment		

DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
15	22	13	18	13	18			**Fixed Gobo Wheel**	X	0
							000-005	Open		
							006-012	Gobo 1		
							013-019	Gobo 2		
							020-026	Gobo 3		
							027-033	Gobo 4		
							034-040	Gobo 5		
							041-047	Gobo 6		
							048-054	Gobo 7		
							055-061	Gobo 8		
							062-077	Gobo 1 Shake Slow → Fast		
							078-093	Gobo 2 Shake Slow → Fast		
							094-109	Gobo 3 Shake Slow → Fast		
							110-125	Gobo 4 Shake Slow → Fast		
							126-141	Gobo 5 Shake Slow → Fast		
							142-157	Gobo 6 Shake Slow → Fast		
							158-173	Gobo 7 Shake Slow → Fast		
							174-189	Gobo 8 Shake Slow → Fast		
								Scroll		
							190-221	Clockwise Fast → Slow		
							222-223	Stop		
							224-255	Counter-clockwise Slow → Fast		
						15		**Fixed Gobo Wheel**	X	0
							000-009	Open		
							010-019	Gobo 1		
							020-029	Gobo 2		
							030-039	Gobo 3		
							040-049	Gobo 4		
							050-059	Gobo 5		
							060-069	Gobo 6		
							070-077	Gobo 7		
							078-093	Gobo 1 Shake Slow → Fast		
							094-109	Gobo 2 Shake Slow → Fast		
							110-125	Gobo 3 Shake Slow → Fast		
							166-141	Gobo 4 Shake Slow → Fast		
							142-157	Gobo 5 Shake Slow → Fast		
							158-173	Gobo 6 Shake Slow → Fast		
							174-189	Gobo 7 Shake Slow → Fast		
								Scroll		
							190-221	Clockwise Fast → Slow		
							222-223	Stop		
							224-255	Counter-clockwise Slow → Fast		

DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
16	23	14	19	14	19			**Prism**	X	0
							000-005	Open		
							006-127	Prism 1		
							128-255	Idle		
						16		**Prism, Prism/Gobo Mactos**	X	0
							000-063	Open		
							064-095	Prism		
							096-127	Idle		
							128-135	Prism/Gobo Macro1		
							136-143	Prism/Gobo Macro2		
							144-151	Prism/Gobo Macro3		
							152-159	Prism/Gobo Macro4		
							160-167	Prism/Gobo Macro5		
							168-175	Prism/Gobo Macro6		
							176-183	Prism/Gobo Macro7		
							184-191	Prism/Gobo Macro8		
							192-199	Prism/Gobo Macro9		
							200-207	Prism/Gobo Macro10		
							208-215	Prism/Gobo Macro11		
							216-223	Prism/Gobo Macro12		
							224-231	Prism/Gobo Macro13		
							232-239	Prism/Gobo Macro14		
							240-247	Prism/Gobo Macro15		
							248-255	Prism/Gobo Macro16		
17	24	15	20	15	20	17		**Prism Index/Rotation**		64
							000-127	Index Position		
								Rotate		
							128-189	Clockwise Fast → Slow		
							190-193	Stop		
							194-255	Counter-clockwise Slow → Fast		
18	25		21		21			**Prism Index/Rotation Fine**		127
								Fine Adjustment		
19	26	16	22	16	22			**Prism 2**	X	0
							000-005	Open		
							006-127	Prism 1		
							128-255	Idle		
20	27	17	23	17	23	17		**Prism 2 Index/Rotation**		64
							000-127	Index Position		
								Rotate		
							128-189	Clockwise Fast → Slow		
							190-193	Stop		
							194-255	Counter-clockwise Slow → Fast		
21	28		24		24		000-255	**Prism 2 Index/Rotation Fine**		127
								Fine Adjustment		

DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
22	29	18	25	18	25	18	000-255	**Focus**		127
								Infinity → Near		
23	30	19	26	19	26	19	000-255	**Focus Fine**		127
								Fine Adjustment		
24	31	20	27	20	27	20	000-255	**Zoom**		127
								Narrow → Wide		
25	32	21	28	21	28	21	000-255	**Zoom Fine**		127
								Fine Adjustment		
26	33	22	29	22	29	22		**Strobe**	X	50
							000-031	Closed		
							032-063	Open		
							064-095	Strobe effect slow to fast		
							096-127	Open		
							128-159	Pulse Effect		
							160-191	Open		
							192-223	Random Slow → Fast		
							224-255	Open		
27	34	23	30	23	30	23	000-255	**Dimmer**		0
								0 → 100%		
28	35	24	31	24	31	24	000-255	**Dimmer Fine**		0
								Fine Adjustment		
36		32		32			000	Idle	X	0
								Dimmer Modes		
							001-020	Standard		
							021-040	Stage		
							041-060	TV		
							061-080	Architectural		
							081-100	Theatre		
							101-120	Stage 2		
								Dimmer Time		
							121	0s		
							122	0.1s		
							123	0.2s		
							124	0.3s		
							125	0.4s		
							126	0.5s		
							127	0.6s		
							128	0.7s		
							129	0.8s		
							130	0.9s		
							131	1.0s		
							132	1.5s		
							133	2.0s		
							134	3.0s		
							135	4.0s		
							136	5.0s		
							137	6.0s		
							138	7.0s		
							139	8.0s		
							140	9.0s		
							141	10s		
							142-149	Idle		
								Dim to Warm		
							150-154	DTW On		
							155-159	DTW Off		
							160-255	Idle		

DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
29	37	25	33	25	33	25	000–255	**Iris**		0
								Open → Closed		
	38		34		34		000–255	**Iris Fine**		0
								Fine Adjustment		
30	39	26	35	26	35		000–255	**Frost (Light)**		0
								Open → Closed		
31	40	27	36	27	36	26	000–255	**Frost (Wash)**		0
								Open → Closed		
32	41	28	37	28	37	27		**Animation Wheel**		0
							000-007	Open		
							008-255	Animation Min → Max		
33	42	29	38	29	38	28		**Animation Index/ Rotation**		64
							000-127	Index Position		
								Rotate		
							128-189	Clockwise Fast → Slow		
							190-193	Stop		
							194-255	Counter-clockwise Slow → Fast		
34	43	30	39	30	39	29	000-255	**Blade 1 A**		0
								Open → Closed		
	44		40		40		000-255	**Blade 1 A Fine**		0
								Fine Adjustment		
35	45	31	41	31	41	30	000-255	**Blade 1 B**		0
								Open → Closed		
	46		42		42		000-255	**Blade 1 B Fine**		0
								Fine Adjustment		
36	47	32	43	32	43	31	000-255	**Blade 2 A**		0
								Open → Closed		
	48		44		44		000-255	**Blade 2 A Fine**		0
								Fine Adjustment		
37	49	33	45	33	45	32	000-255	**Blade 2 B**		0
								Open → Closed		
	50		46		46		000-255	**Blade 2 B Fine**		0
								Fine Adjustment		
38	51	34	47	34	47	33	000-255	**Blade 3 A**		0
								Open → Closed		
	52		48		48		000-255	**Blade 3 A Fine**		0
								Fine Adjustment		
39	53	35	49	35	49	34	000-255	**Blade 3 B**		0
								Open → Closed		
	54		50		50		000-255	**Blade 3 B Fine**		0
								Fine Adjustment		
40	55	36	51	36	51	35	000-255	**Blade 4 A**		0
								Open → Closed		
	56		52		52		000-255	**Blade 4 A Fine**		0
								Fine Adjustment		
41	57	37	53	37	53	36	000-255	**Blade 4 B**		0
								Open → Closed		
	58		54		54		000-255	**Blade 4 B Fine**		0
								Fine Adjustment		
42	59	38	55	38	55	37		**Framing Rotation**		127
							000-126	Min (-60°)		
							127-128	Parallel (0°)		
							129-255	Max (+60°)		
	60		56		56		000-255	**Framing Rotation Fine**		0
								Fine Adjustment		

DMX TRAITS

STD	EXT	RGB	RGB EXT	CMY	CMY EXT	Fuze Profile STD	DMX Values	Function	Snap	Default Value
	61		57		57			**Pan / Tilt Speed**	X	0
							000-225	Max → Min Speed		
							226-235	Blackout by movement		
							236-245	Blackout by wheel changes		
							246-255	No function		
43	62	39	58	39	58	38		**Control**	X	0
							000-019	Wheel Snap		
							020-039	Wheel Fade		
							040-044	Fan Mode Studio		
							045-049	Fan Mode Mute		
							050-059	Fan Mode Low		
							060-069	Fam Mode High		
							070-079	Fan Mode Auto (Default)		
								Reset		
							080-084	All		
							085-087	Pan / Tilt		
							088-090	Gobo		
							091-093	Focus and Zoom		
							094-096	Others		
							097-129	Idle		
								Refresh Rate (Hz)		
							130-139	1200		
							140-149	1300		
							150-159	1400		
							160	1500		
							161	2500		
							162	4000		
							163	5000		
							164	6000		
							165	10000		
							166	15000		
							167	20000		
							168	25000 (default)		
							169-179	Idle		
								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)		
							241-255	Idle		

COLOR TEMPERATURE

Colors shown are an approximate representation. **https://www.luxalight.eu/en/cie-convertor**

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 MACROS)

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 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
0x22A6	007700-FFFF	0077	Standard Extended RGB RGB Extended CMY CMY Extended Fuze Profile Standard

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:

[0x0200] Sensor Definition	[0x0500] Display Invert
[0x0201] Sensor Value	[0x0501] Display Level
[0x0080] Device Model Description	[0x0603] Realtime Clock
[0x0081] Manufacturer Label	[0x1010] Power State
[0x0082] Device Label	[0x1031] Preset Playback
[0x00E0] DMX Personality	[0x0122] Default Slot Value
[0x00E1] DMX Personality Description	[0x00B0] Language
[0x0400] Device Hours	[0x00A0] Language Capabilities
[0x0015] Comms Status	[0x00C2] Boot Software Version Label
[0x0031] Status ID Description	[0x00C1] Boot Software Version ID
[0x0032] Clear Status ID	[0x0070] Product Detail ID List
[0x0405] Device Power Cycles	[0x0030] Status Messages
[0x0600] Pan Invert	[0x1001] Reset Device
[0x0601] Tilt Invert	[0x0014] Undefined PID [0x0014,(20)]
[0x0602] Pan Tilt Swap	

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and extended life. The frequency of cleaning depends on the operating environment. 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 and debris buildup. **NEVER** use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user-serviceable parts inside this fixture. Refer all service issues to an authorized Elation service technician. Order genuine spare parts from your local Elation dealer.

During routine inspections, check the following:

- Have a qualified electrical engineer perform a detailed electrical check every three months to ensure circuit contacts are in good condition and to prevent overheating.
- Verify that all screws and fasteners are securely tightened. Loose screws may fall out during operation, potentially causing damage or injury.
- Inspect the housing, color lenses, rigging hardware, and rigging points (ceiling, suspension, trussing) for deformations or damage. Damaged rigging points or unsecured rigging can cause the fixture to fall and result in serious injury.
- Inspect power supply cables for damage, material fatigue, or contamination. **NEVER** remove the ground prong from the power cable.

FIXTURE DISASSEMBLY

After performing any maintenance procedure that requires disassembly:

- After reassembly, allow the fixture to run for approximately 2 hours with the vent open (if applicable) to remove any trapped moisture. Continue until indicated humidity drops below 15% for the head and 30% for the base.
- Once the fixture has dried, it can be powered off, but it should remain connected to power so the cooling fans can bring the LED engine to a safe temperature.
- Some units may require partial disassembly to access internal vents or valves. Contact Elation Service for model-specific instructions.

ERROR CODES

Error Codes subject to change without notice	
ERROR CODES	**DESCRIPTION**
Pan	Pan error
Tilt	Tilt Error
LedTemp	LED temperature error
LEDFan1	LED Fan 1 error
LEDFan2	LED Fan 2 error
LEDFan3	LED Fan 3 error
LEDFan4	LED Fan 4 error
BladeFan	Blade Fan error
GoboFan	Gobo Fan error
RotGobo	Rotating Gobo error
GoboRot	Gobo rotation error
FixedGobo	Fixed Gobo error
Animation	Animation error
AnimationRot	Animation rotation error
Blade	Blade error
Zoom	Zoom error
Focus	Focus error
Prism1	Prism 1 error
Prism1Rot	Prism 1 rotation error
Prism2	Prism 2 error
Prism2Rot	Prism 2 rotation error
BaseFan1	Base Fan 1 error
BaseTemp	Base temperature error

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.

C-LOADER II
An Elation C-Loader II can be used to update the fixture to the latest software. Visit the C-Loader II product page on the Elation website and download the product manual for step-by-step instructions:

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

To order the C-Loader II and updated software for your fixture, contact Elation Support.

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

SPECIFICATIONS

SOURCE
500W 6,000K RGBMA 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
12,740 Total Lumen Output
CRI 92
Zoom Range 4° - 54°

EFFECTS
Motorized Zoom
4 Rotating Full Blackout Framing Blades, +/- 60 Index
2 Variable Frost Filters (Light Heavy)
4-Facet Linear Round Rotating Prisms
Motorized Iris with Effects
Variable 16-bit Dimming Curve Modes
High Speed Electronic Shutter and Strobe
Pan Angle: 540°
Tilt Angle: 270°

COLOR
RGBMA Color Array
CMY Emulation
16bit Fully Variable CCT 2400K - 8500K
Green/Magenta Shift
Dim-to-warm Fade
Virtual Gel Swatch Book

GOBOS
1x 7 Rotating / Indexing Interchangeable Glass Gobos
1x 8 Fixed Glass Gobo
Bi-Directional Animation Wheel

CONTROL / CONNECTIONS
7 DMX Channel Modes (RGBMA 40 / 59) (RGB 38 / 55)(CMY 38 / 55) Fuze Profile Emulation Mode (38)
16-bit Pan, Tilt, and Dimming Control
DMX Adjustable LED Frequency
DMX, RDM, Art-Net sACN Protocol Support
Aria x2 Wireless Device Management
4 Button Touch Control Panel
Full Color 180° Reversible LCD Menu Display
16 Bit Resolution Adjustable Movement
NFC on bottom and front of fixture base
Hibernation Mode (Power Save)
5pin DMX In/Out
Locking RJ45 Ethernet In/Out
Locking Power Cable In/Out

SIZE / WEIGHT
Length: 16" (408mm)
Width: 10.1" (256mm)
Vertical Height: 27.8" (705mm)
Weight: 63.9 lbs (29kg)

ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
781W Max Power Consumption
Power Thru Capacity: 9A (1 unit @110V; 2 units @240V)
14°F to 113°F (-10°C to 45°C)
BTU/hr (+/- 10%) 2663.21

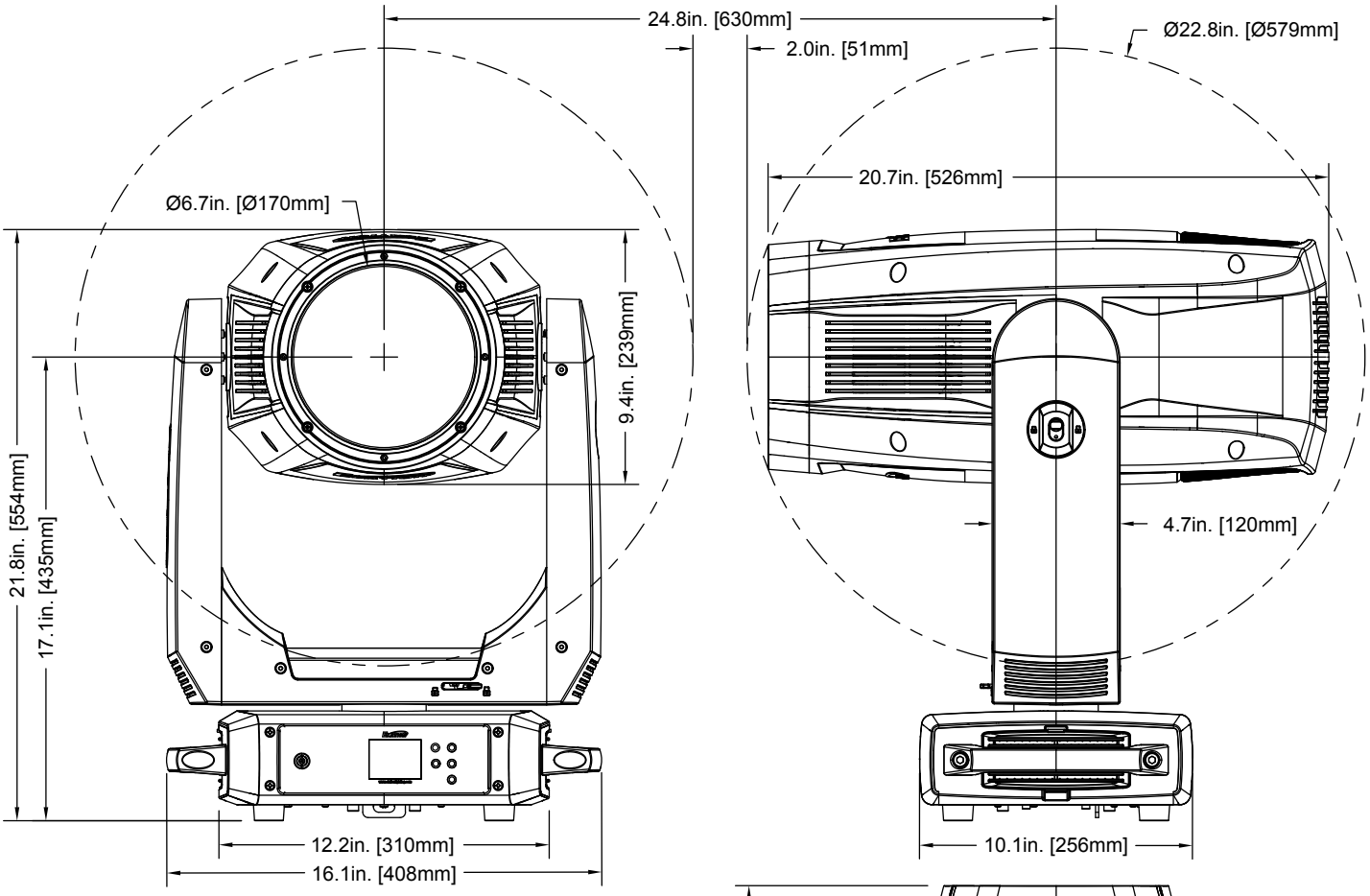
INCLUDED ITEMS
Omega Brackets (x2)
Locking Power Cable
Safety Cable
Snoot

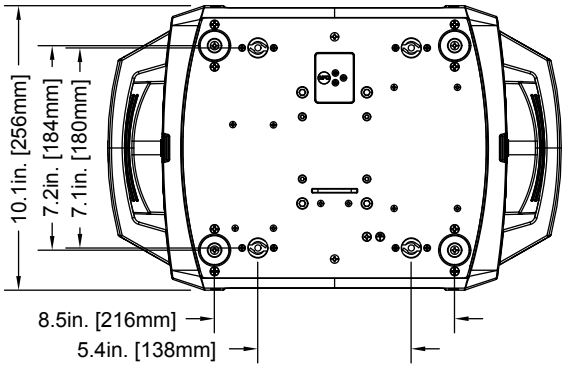
OPTIONAL ITEMS
Fresnel Lens (FUZ325)

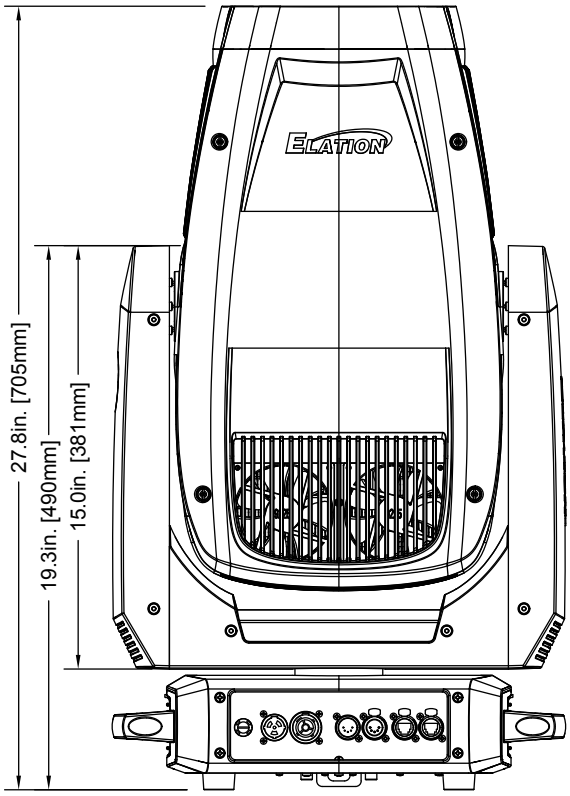
APPROVALS / RATINGS
IP20

DIMENSIONAL DRAWINGS

Drawings not to scale







OPTIONAL ACCESSORIES:

SKU US/EU		ITEM DESCRIPTION
FUZ321	1237000427	FUZE PROFILE+
FUZ325	N/A	FUZE PROFILE+ Fresnel Lens
TRIGGER CLAMP	N/A	Heavy Duty Wrap Around Hook Style Clamp
STR527	N/A	5 ft. (1.5m) IP65 5pin XLR Cable

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 deter- mined 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!

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