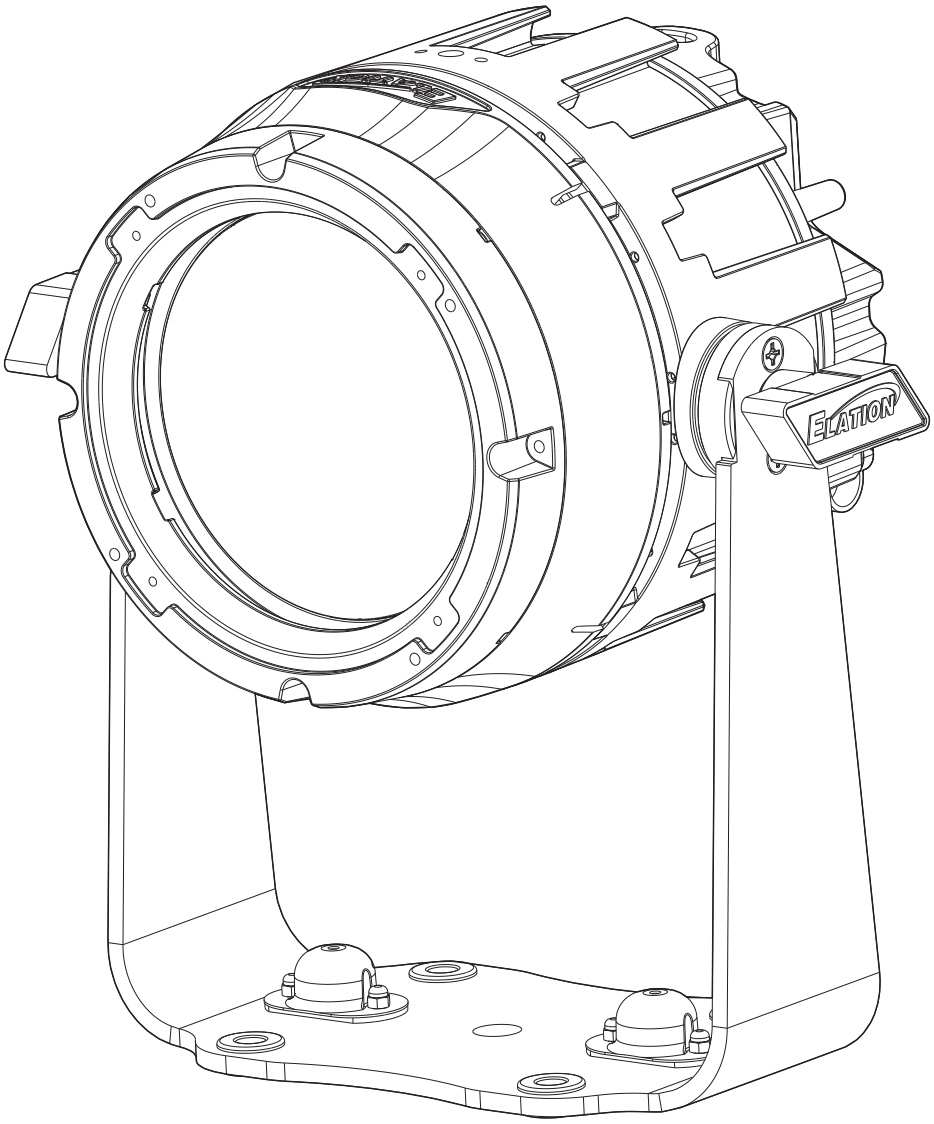
ELATION®



SOL I STROBE

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 Channels	Notes
10/13/2026	1.0	1.01	4 / 12 / 23 / 40 / 57 / 80 Ch	Initial Release

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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 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

Fixture Interconnect Lock (x1)

Safety Cable (x1)

IP65 Locking Power Cable (x1)

Floor Stand/Yoke (x1)

CUSTOMER SUPPORT

Contact ELATION Service for any product related service and support needs.
Also visit forums.elationlighting.com with questions, comments or suggestions.

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

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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

PLEASE NOTE: The warranty period of the E-Frost component is 1 year.

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

IP65 RATED

The International Protection (IP) rating system is commonly expressed as "**IP**" (Ingress Protection) followed by two numbers (i.e. IP65), where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture, and the second digit (Water Protection) indicates the extent of protection against water entering the fixture. An **IP65** rated lighting fixture is designed and tested to protect against the ingress of dust (**6**), and low-pressure water jets from any direction (**5**).

NOTE: THIS FIXTURE IS INTENDED FOR TEMPORARY OUTDOOR USE ONLY!

Maritime/Seaside Environment Installations: A maritime/seaside environment is adjacent to the sea and caustic to electronics through exposure to atomized salt water and humidity, whereas a coastal environment extends 5 miles inland.



NOT suitable for maritime/seaside environment installations. Installing this fixture in a maritime/seaside environment may cause corrosion and/or excessive wear to the interior and/or exterior components of the fixture. Damages and/or performance issues resulting from installation in a maritime/seaside environment will void the manufacturer's warranty, and will NOT be subject to any warranty claims and/or repairs.

Maritime installations require additional preparation, and additional service intervals may be needed given the maritime use. In general, IP ratings presuppose freshwater conditions VS maritime conditions, which are typically more "caustic" to IP fixtures (both internally and externally). A duty-cycle may also be needed when units are not in use. During times of high humidity and colder temperatures, condensation may occur internally so the fixture may require a duty-cycle to bring it up to running temperature, allowing any accumulation of moisture to be expelled via the vent valve. Recommendations can change based on installation environmental circumstances. A waterproof dome or similar device is recommended for use in permanent outdoor installations. When using a dome, refer to manufacturer recommendations for duty-cycle.

NOTE: NOT ALL FEATURES LISTED ARE AVAILABLE ON ALL FIXTURES; THE FOLLOWING INSTRUCTIONS MAY NOT APPLY. CONTACT SUPPORT FOR ADDITIONAL DETAILS.

Exterior Maintenance: Inspect the exterior every 30-days. The unit must be powered off/disconnected. The chassis should be inspected for any signs of contaminants. Inspect optics to determine if the lens is obstructed, then clean optics and chassis accordingly. Based on initial finding, schedule maintenance accordingly, keeping in mind that exterior maintenance will be required. Even if the luminaires are NOT in use, maintenance will still be needed given its location (exterior use). The use of a durable type of wax on the chassis is recommended since it will help prevent contaminant build up. Inspect both power and data lines for any signs of contaminants or corrosion. Periodically reapplying di-electric grease, especially in coastal environments. If any signs of corrosion/contaminants are present, clean thoroughly, and/or replace connectors, then reapply di-electric grease. Typically, this should be done annually, or any time an opportunity presents itself. As a preventive measure, annual replacement of both vent valves is recommended. The vent valve membrane can become contaminated and/or clogged causing improper venting of humidity within the luminaire. Inspect all mounting hardware as a precaution.

Interior Maintenance: Inspect the interior every 30-days. The unit must be powered off/disconnected.

- Inspect zoom/focus mechanism, clean optics, lubricate linear bearings (Krytox oil) as needed, inspect belts for wear
- Inspect all rotating effect wheels, manually rotate them, note any resistance
- Inspect all remaining rotating belts for any wear
- Inspect all fans, clean as needed, check rotation, check connections
- Inspect CMY module, manually move flags and check for signs of resistance, and if needed, clean guide rods first, then reapply a thin layer of grease (moly lube)
- Clean interior with low-volume compressed air, then clean optics prior to reassembly of head covers

Although the base has limited moving parts, the pan belt should also be inspected for wear. Remember to always perform an IP test anytime a cover is removed.

There is no specific time frame regarding the routine replacement of parts such as belts/stepper motors, PCBs, or LEDs. These items should only be replaced on an as needed basis, except for cooling fans, which should be replaced once the luminaires reach 10,000-hours. This is a prophylactic measure intended to keep the unit running as cool as possible, ensuring proper function of all internal components. A complete service breakdown is available, please contact service@elationlighting.com for any needed parts or manuals.

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 (such as omega brackets) included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.



THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE 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!



MINIMUM DISTANCE TO OBJECTS/SURFACES IS 1.6 FEET (0.5 METERS)
MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE FIXTURE IS 1.6 FEET (0.5 METER)
MINIMUM DISTANCE TO LIGHTED OBJECTS IS 1.6 FEET (0.5 METERS)
AMBIENT OPERATING TEMPERATURE RANGE IS -4°F TO 113°F (-20°C TO 45°C)

SAFETY GUIDELINES

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

DO NOT shake fixture, avoid brute force when installing and/or operating fixture.

DO NOT operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease. **NEVER** force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same 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.

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.

WIND FORCE PRECAUTIONS

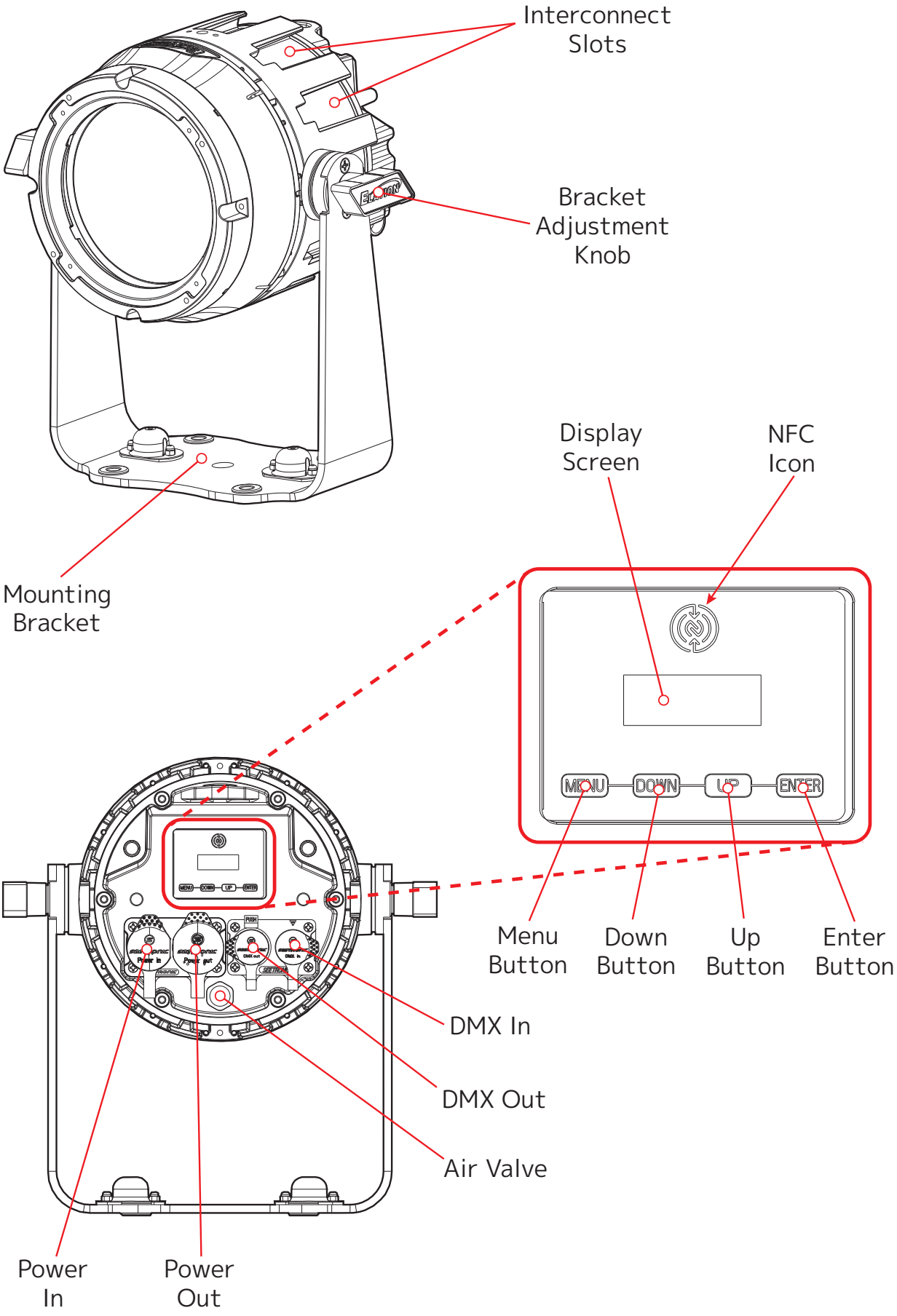
Wind can pose a significant risk of serious injury or even fatality as a result of falling fixtures. To mitigate these risks, consider the following precautions when installing fixtures in areas exposed to wind force:

Adhere to all local laws, regulations, and codes concerning safety structures and installations.

Ensure fixtures are suspended from a structure capable of securely holding them without any safety concerns when multiple fixtures are subjected to wind pressure.

If a vertical column, array, or shape consisting of multiple fixtures is exposed to wind force, firmly fasten the arrangement to a stable and secure structure at the lowest anchoring point. Use a half coupler, interlock adapter, or safety cable to prevent lateral movement and ensure the structure's integrity.

OVERVIEW


Interconnect Slots
Bracket Adjustment Knob
Mounting Bracket
Display Screen
NFC Icon
MENU
DOWN
UP
ENTER
Menu Button
Down Button
Up Button
Enter Button
DMX In
DMX Out
Air Valve
Power In
Power Out

INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING
Keep fixture minimum 1.6 feet (0.5m) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS
A qualified electrician should be used for all electrical connections and/or installations.



MINIMUM DISTANCE TO SURFACES/OBJECTS IS 1.6 FEET (0.5 METER).
MINIMUM DISTANCE TO FLAMMABLE MATERIALS IS 1.6 FEET (0.5 METER).
MINIMUM DISTANCE TO LIGHTED OBJECTS IS 1.6 FEET (0.5 METERS)
AMBIENT OPERATING TEMPERATURE RANGE IS -4°F TO 113° F (-20°C TO 45° C).



DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!

Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.

Before rigging/mounting the fixture to any metal truss/structure or placing the fixture on any surface, a professional equipment installer MUST be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture, clamps, cables, and accessories.

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

Ambient operating temperature range is **-4°F to 113°F (-20°C to 45°C).** Do not operate the fixture when the ambient temperature falls outside this range.

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

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

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

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

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

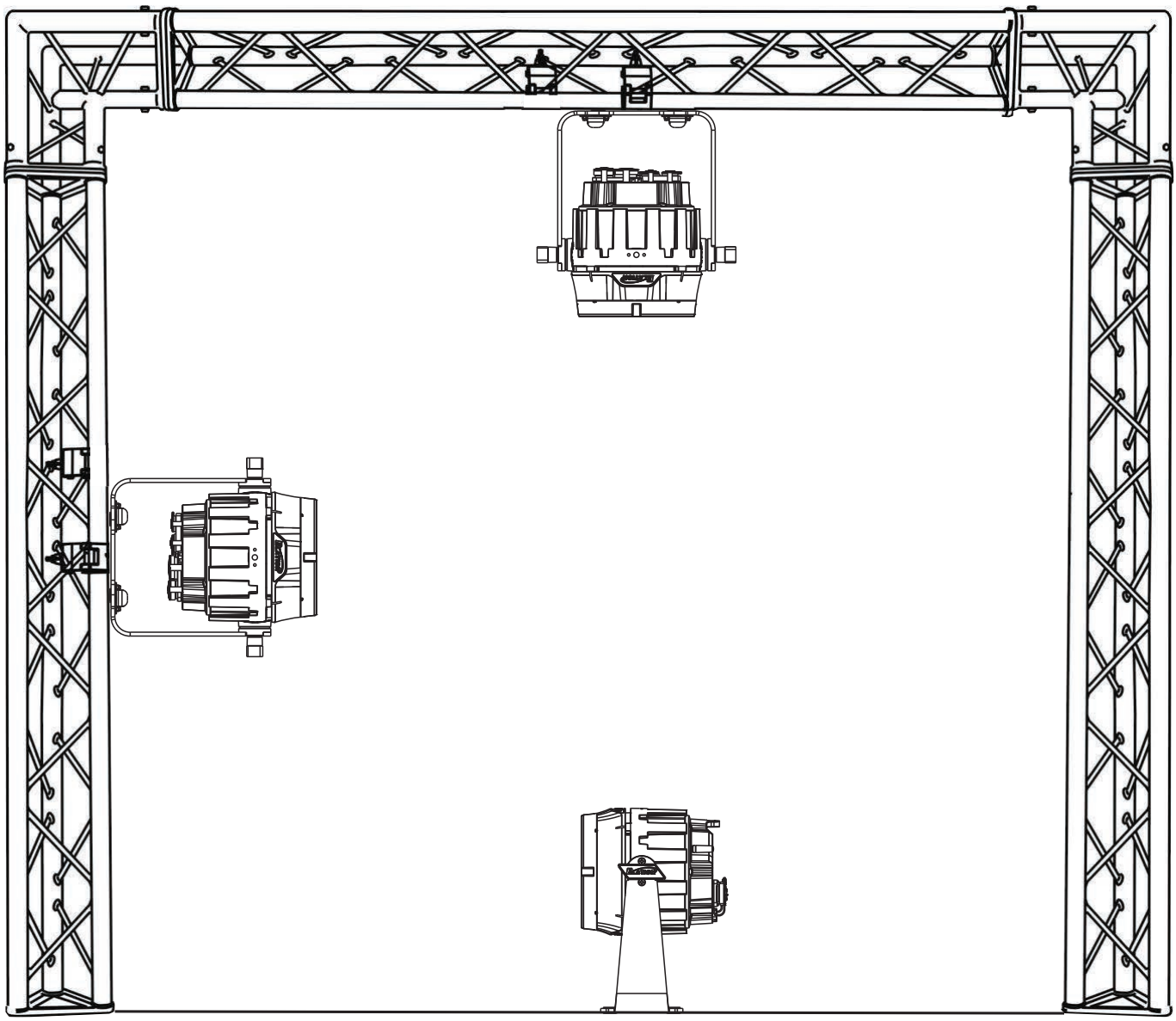
CONDENSATION AND MOISTURE INSPECTION
Before powering on, remove the fixture from its packaging or road case in a dry, controlled environment and inspect for transport damage or signs of condensation/moisture caused by temperature changes (e.g., cold storage to warm venue). Allow full acclimation to ambient 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

RIGGING

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

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



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.

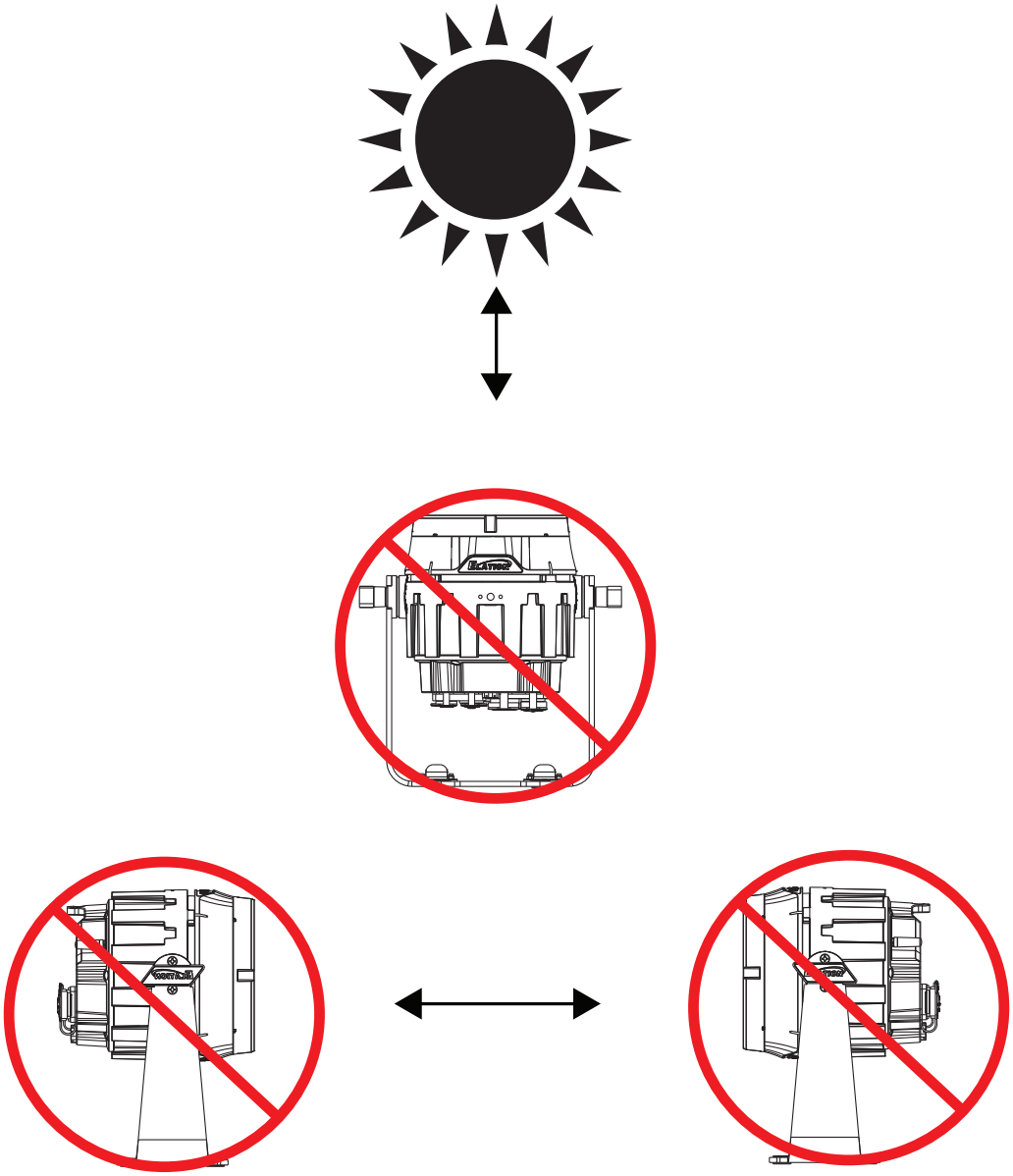
INSTALLATION GUIDELINES

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

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

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

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



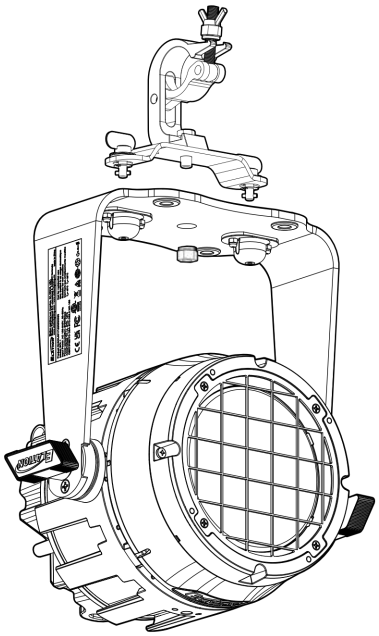
INSTALLATION GUIDELINES

CLAMP INSTALLATION

This device features a mounting clamp attachment point built into the mounting bracket, as well as a safety cable attachment point located on the rear face of the fixture above the control panel.

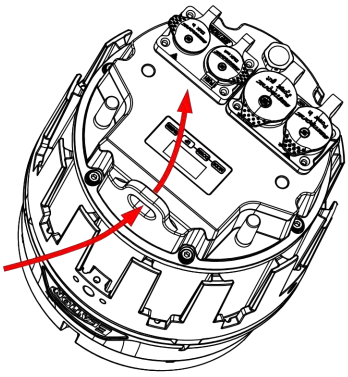
OMEGA BRACKETS WITH CLAMP INSTALLATION

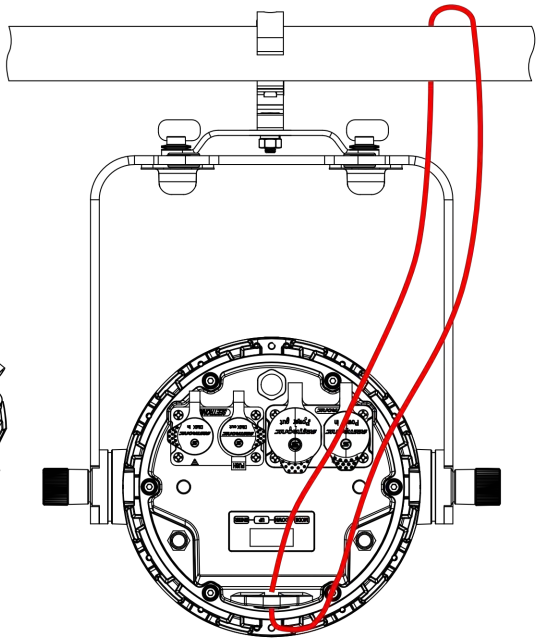
Insert the Omega Brackets into the matching holes on the yoke. Secure the Omega Brackets to the fixture by turning each quick-lock fastener ¼ turn clockwise; making sure the fastener is completely locked. Omega Brackets can be installed into the fixture base as illustrated below.

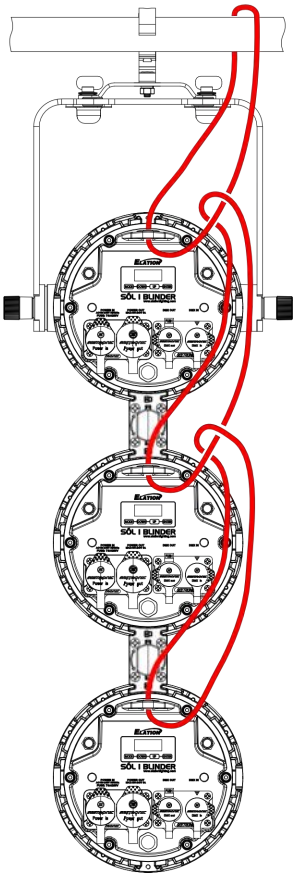


SAFETY CABLE

ALWAYS ATTACH AN APPROPRIATELY RATED SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS. USE SAFETY CABLES FOR EACH FIXTURE IN AN ARRAY, CONNECTING THEM TO THE DESIGNATED SAFETY CABLE ATTACHMENT POINT.







If the fixtures are integrated into a larger array, ensure that a safety cable is affixed to the safety cable attachment point located on the rear of every fixture . To facilitate rigging, secure the topmost safety cable to a fixed point, and loop each subsequent safety cable through the one positioned above it.

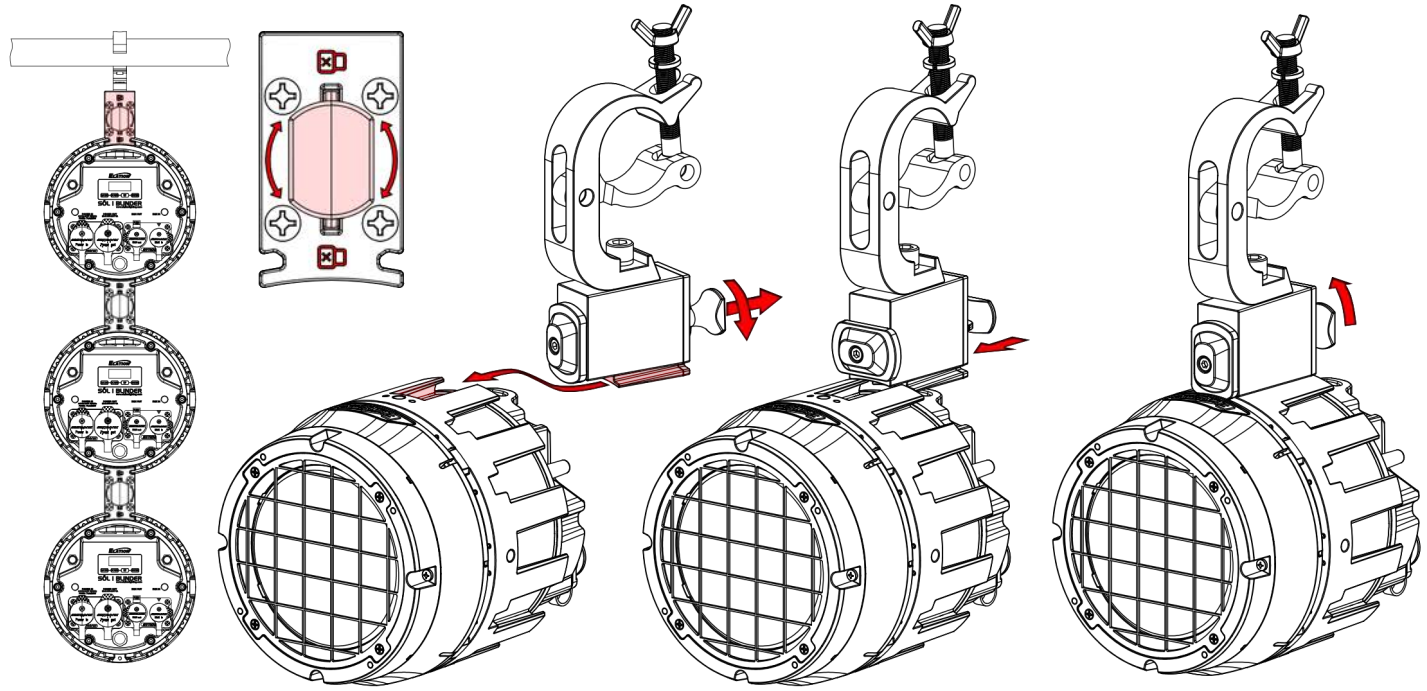
MOUNTING THE FIXTURE ON A TRUSS USING CLAMPS WITH OMEGA BRACKETS

When mounting the fixture to a truss, be sure to secure an appropriately rated professional grade rigging clamp to the included **Omega Brackets** using an M10 or M12 screw fitted through the center hole of the **Omega Brackets**. The fixture provides a built-in rigging point for a **SAFETY CABLE**. Be sure to use the designated rigging points for the safety cable and never secure a safety cable to a carrying handle.

INSTALLATION GUIDELINES

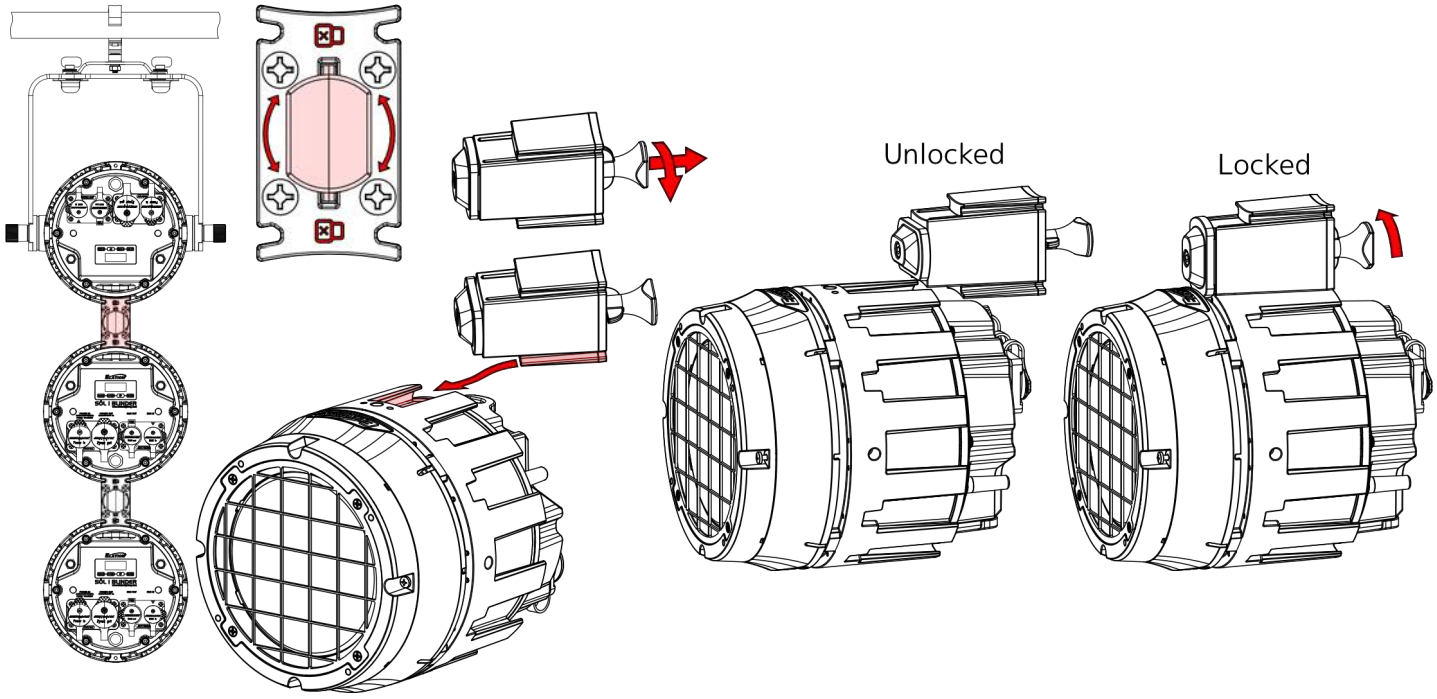
M10 CONNECT ADAPTER

The M10 Connect Adapter enables the fixture to be suspended using various methods, including an M10 threaded rod, a C-clamp, or by direct bolting to another device. The inserted thread length should not exceed .59in. (15mm). To attach the M10 Connect Adapter, pull the locking handle out and turn it 90° to unlock it. Insert it into the desired Splice Lock Slot on fixture until it is fully seated, where the locking mechanism can turn into the locking ring slot on the fixture. Turn handle 90° to lock it in place.



FIXTURE INTERCONNECT

On the Fixture Interconnect, pull the locking handle out and turn it 90° to unlock it. Insert it into the desired Splice Lock Slot on the fixture until it is fully seated, where the locking mechanism can turn into the ring slot on the fixture. Turn handle 90° to lock it in place.



INSTALLATION GUIDELINES

VERTICAL INSTALLATION

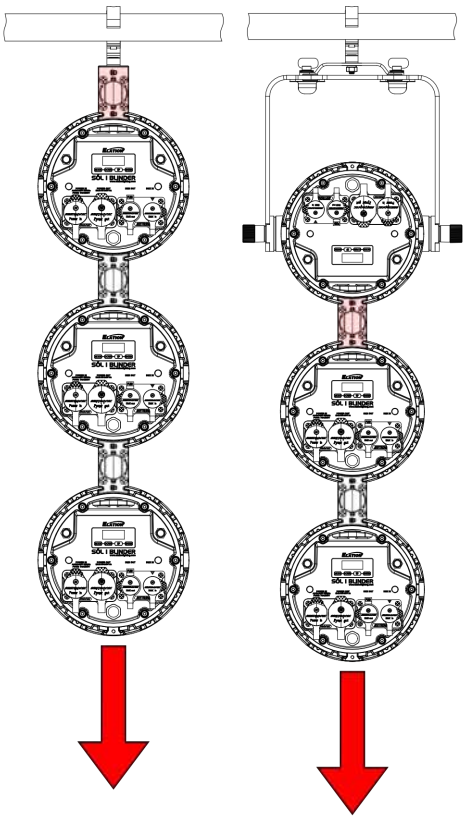
The **Fixture Interconnect** (depicted on the right) has a maximum suspension limit of 90lbs (40.8kg) in a vertical orientation, which accounts for all accessories, cables, and rigging hardware attached to the fixture array. Without any additional accessories, up to 12 SOL I Strobes can be arranged in a single vertical array.

In contrast, the **M10 Connect** (depicted on the left) offers a higher vertical suspension limit of 120lbs (54.4kg), also encompassing all accessories, cables, and rigging hardware attached to the fixture array.

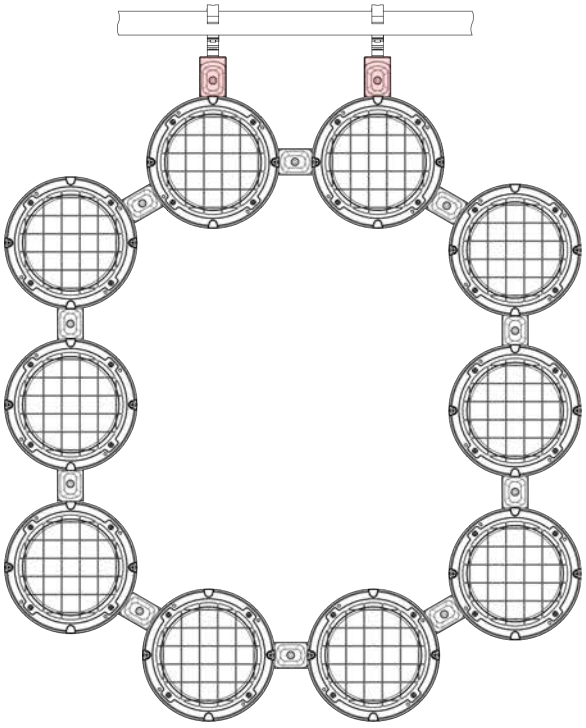
When the orientation deviates from vertical, the maximum suspension limit for the Fixture Interconnect significantly decreases to 30.5lbs (13.8kg), which still includes all accessories, cables, and rigging hardware attached to the fixture array.

Similarly, the M10 Connect's suspension limit in non-vertical orientations is 40lbs (18.1kg), considering all accessories, cables, and rigging hardware attached to the fixture array.

For a horizontal arrangement of SOL I Strobes, the maximum number of units that can be hung without requiring additional support is 2.



An additional Fixture Interconnect or M10 Connect will be required if a configuration design exceeds the limits listed.



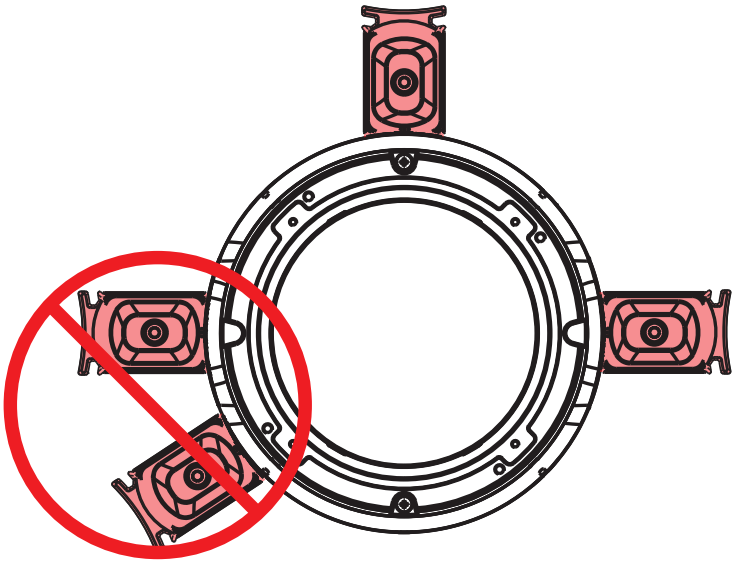
ATTENTION! It is crucial to ensure that any arrangement consisting of multiple interconnected fixtures, whether in a vertical, horizontal, or shaped configuration, is securely and properly supported and fixed to prevent any movement that may arise from lateral forces, such as wind or physical contact with a person or other object.

INSTALLATION GUIDELINES

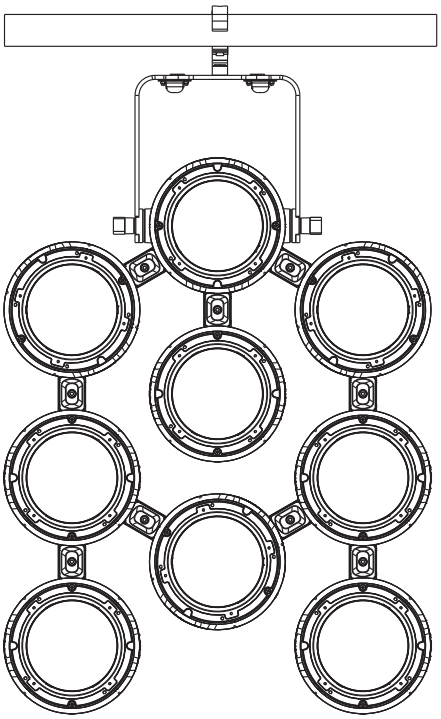
CUSTOM CONFIGURATIONS

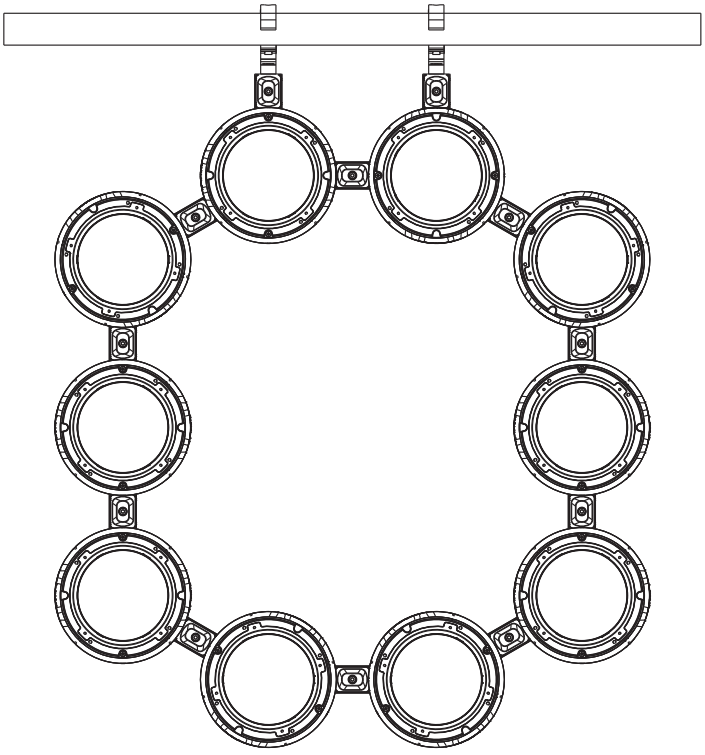
The connector grooves on the fixture are arranged in 30-degree intervals, like the spokes of a wheel, allowing for numerous design configurations. However, please note that subsequent fixtures can only be attached at 60-degree increments without physical interference.

Note: Avoid transporting assembled arrays while they are hanging or suspended.



Some common examples of acceptable shaped configurations are shown below:



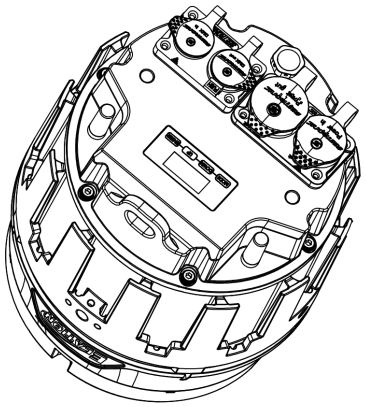


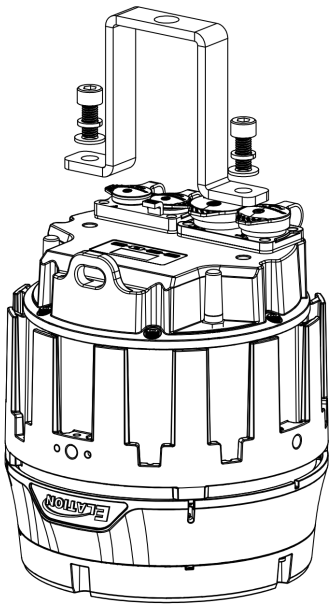
ATTENTION! It is crucial to ensure that any arrangement consisting of multiple interconnected fixtures, whether in a vertical, horizontal, or shaped configuration, is securely and properly supported and fixed to prevent any movement that may arise from lateral forces, such as wind or physical contact with a person or other object.

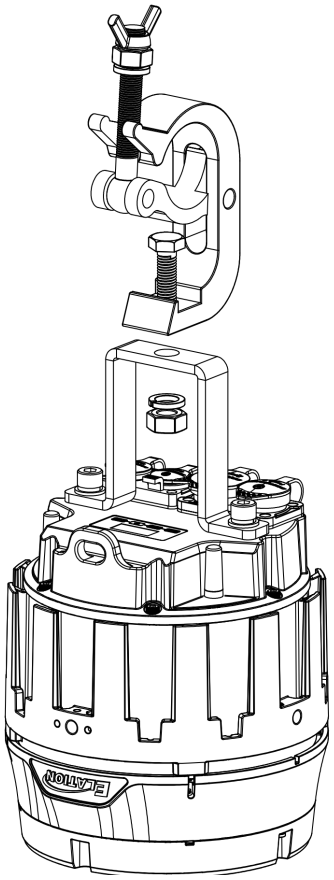
INSTALLATION GUIDELINES

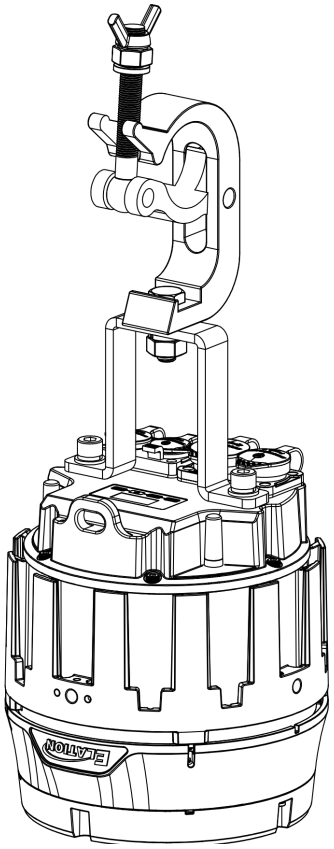
REAR MOUNT BRACKET WITH TRUSS CLAMP

A truss clamp can be attached to the fixture via a Rear Mount Bracket (not included), which is bolted directly to the rear panel as shown. The Rear Mount Bracket offers two usage options: hanging orientation or with a truss clamp. For a pendant mount orientation, the maximum suspension limit is 120lbs (54.4kg). In any other orientation, the limit is 36 lbs (16.33 kg). This allows for the suspension of up to 5 fixtures **without additional accessories**.





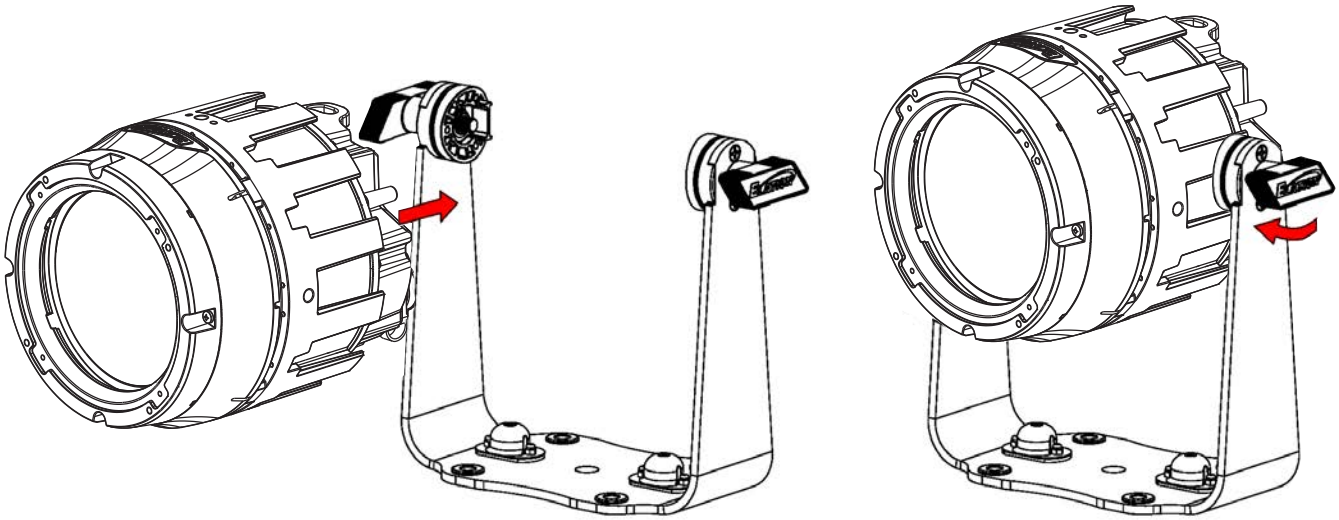




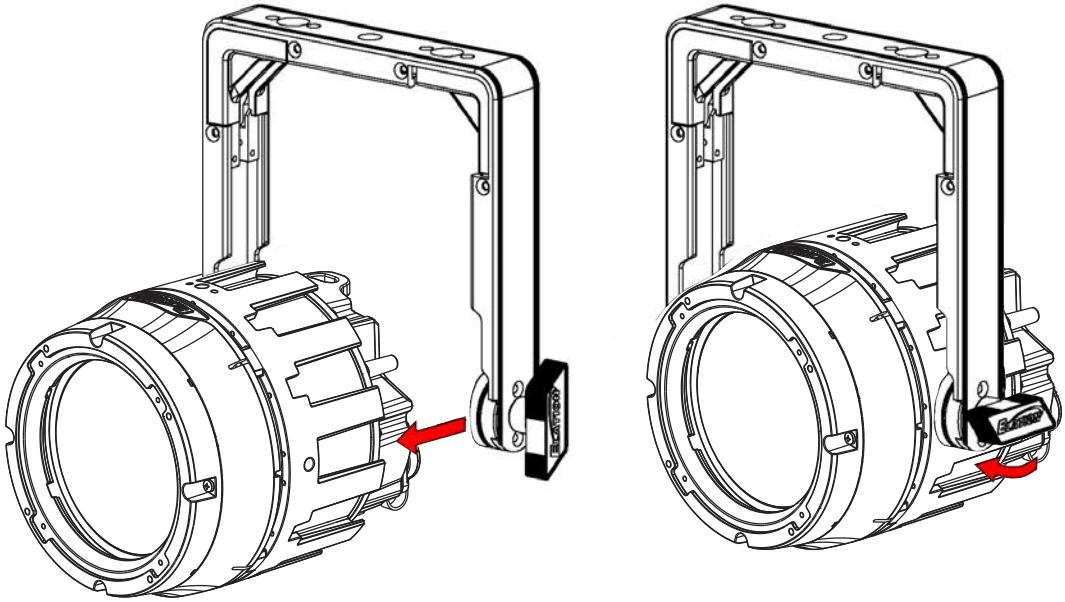
ACCESSORY INSTALLATION

FLOOR STAND YOKE (INCLUDED)

The Floor Stand/Yoke can support a maximum vertical load of 60 lbs (27.22 kg), or 8 SOL I Strobes without any additional accessories. In any other orientation, its maximum load limit is 18 lbs (8.16 kg).



HEAVY DUTY YOKE (OPTIONAL)

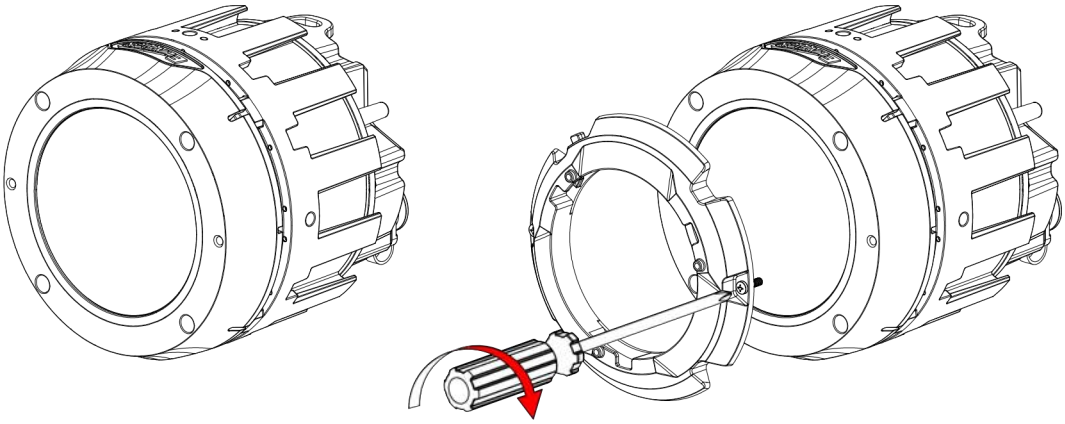


The Heavy Duty Yoke offers a maximum load limit of 120lbs (54.4 kg) in all orientations, allowing for the suspension of up to 17 SOL I Strobes without additional accessories.

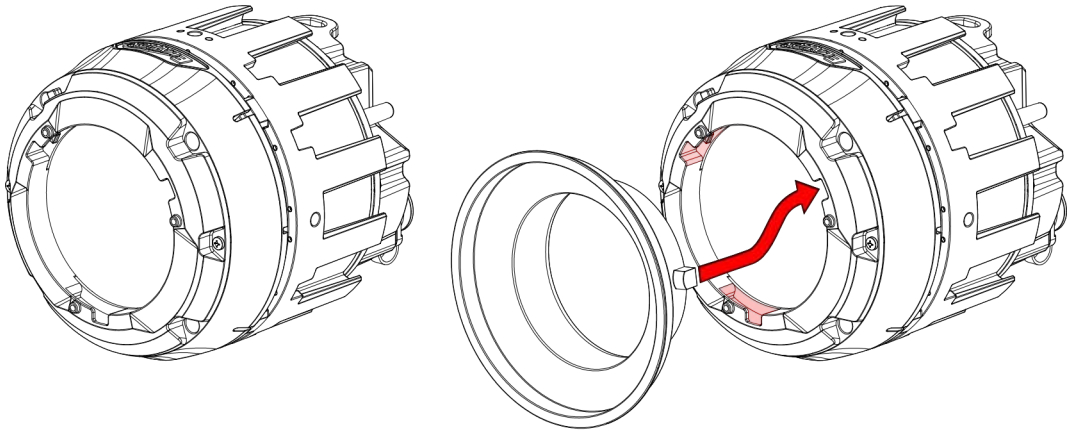
ACCESSORY INSTALLATION

BOWENS ADAPTER & ACCESSORY CONNECTOR (OPTIONAL)

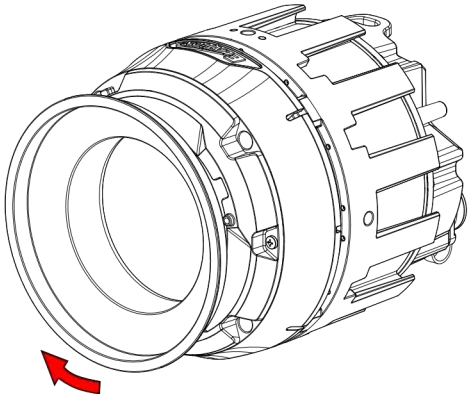
1. Align the 3x holes on the Bowens Adapter with the Fixture and secure it with (3x) Phillips head screws



2. With the Bowens Adapter installed, align the (3x) tabs of the Bowens Mount Accessory with the (3x) slots on the Bowens Adapter, and insert it until it is fully seated.



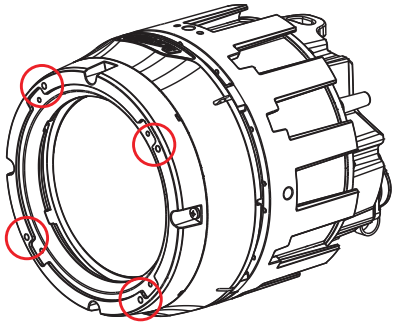
3. Turn the accessory until it locks into place.



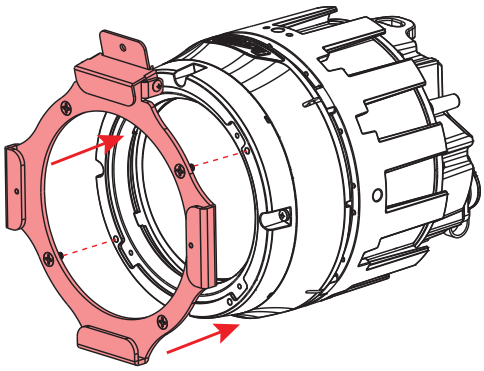
ACCESSORY INSTALLATION

GEL FRAME HOLDER KIT (OPTIONAL)

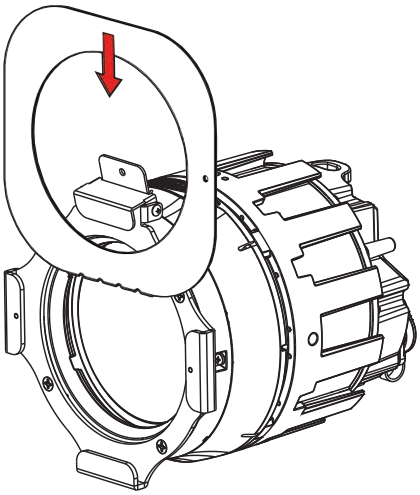
1. Remove the 4 screws on the lens frame, as indicated below.



2. Align the mounting holes on the gel frame holder with the holes in the lens frame. Insert and tighten the 4 screws to secure in place.

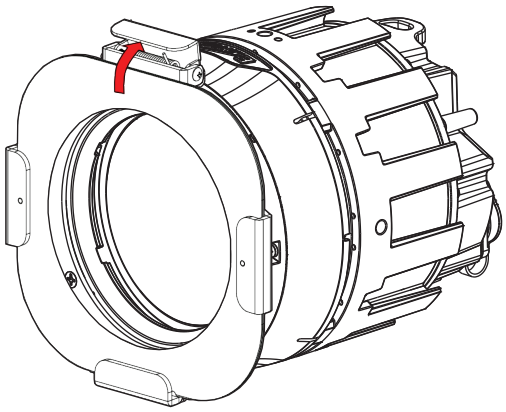


3. Lift the latch on the gel frame holder, then slide the gel frame into place. Close the gel frame holder to secure the gel frame in place.

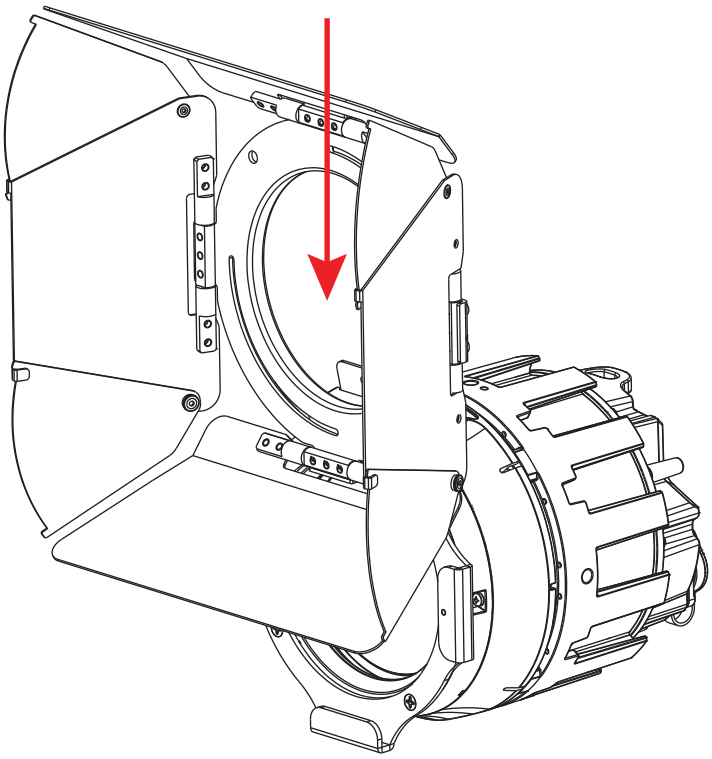


ACCESSORY INSTALLATION

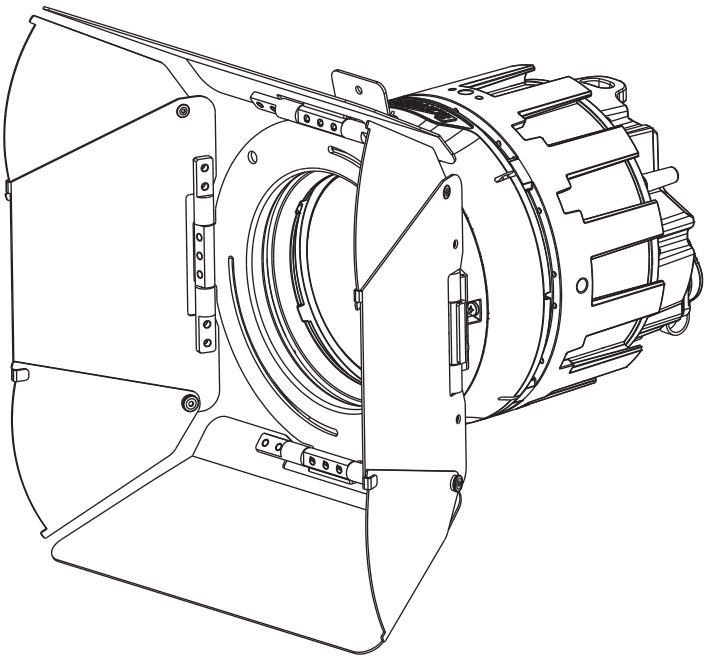
BARNDOOR (OPTIONAL)



1. Lift the retaining clip located near the top of the Gel Frame Holder.



2. Slide the barndoor into place in front of the Gel Frame.



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

NEAR FIELD COMMUNICATION (NFC)

INTRODUCTION: Near Field Communication (NFC) is a short-range wireless technology, operating at 13.56 MHz, that enables secure data exchange between devices within a proximity of 6-inches. With NFC, one can use an Android or iOS device to configure an NFC compatible fixture. NFC operates in a Reader/Writer Mode, which allows an NFC device to read or write data to an NFC tag. In regards to lighting fixtures, NFC can be used to simplify the process of changing the address, mode, or any other setting that would typically be accessed via the control panel. The technology is built on RFID standards, including ISO/IEC 14443 and ISO/IEC 18092, ensuring compatibility between NFC devices. NFC also incorporates encryption and authentication protocols.

Scan the QR code below to download the NFC App.

Android Apple

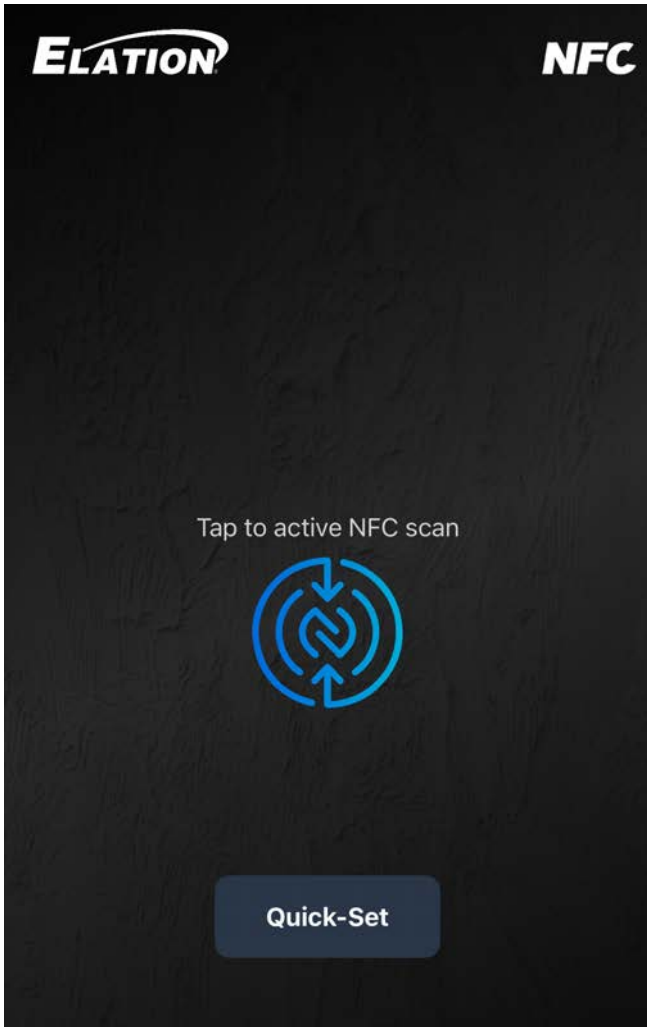
NFC APP HOME PAGE:
Upon opening the NFC app, two options will be displayed on the screen: **Tap to Activate** or **Quick Set.**

- **Tap to Activate:** tap the icon shown below to bring up a scan function that will pull existing settings from a fixture, without needing to search through the list of available fixtures.



- **Quick-Set:** search for a specific fixture and make changes to settings prior to establishing a connection with a fixture.

FIXTURE LIST: In some instances, a Fixture List option will also appear on the app home page. This feature allows the user to search through a list of available fixtures to select which one to connect to. This option will not appear if no fixtures have been added yet, as seen in the image of the home screen to the right.

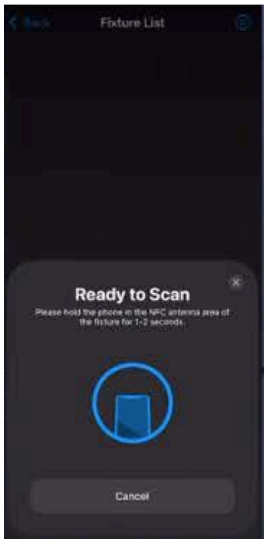


The following sections explain in detail how each option works.

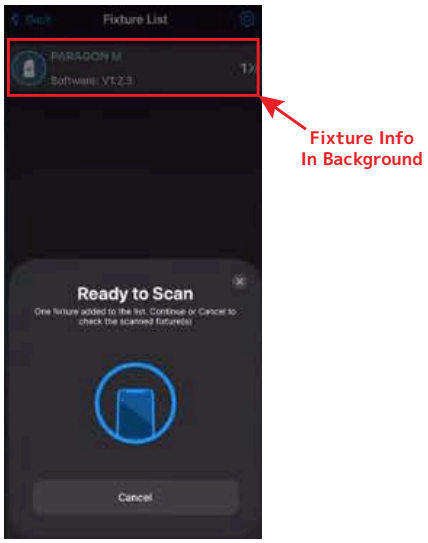
NEAR FIELD COMMUNICATION (NFC)

TAP TO ACTIVATE

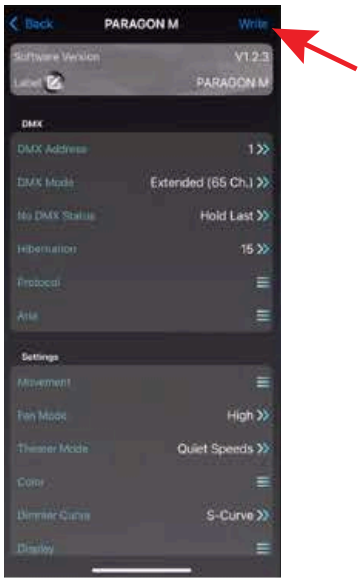
1. When the NFC icon on the app is tapped, a window will appear at the bottom informing the user that the app is ready to scan. At this point, the controlling device should be held up to the NFC icon on the fixture.



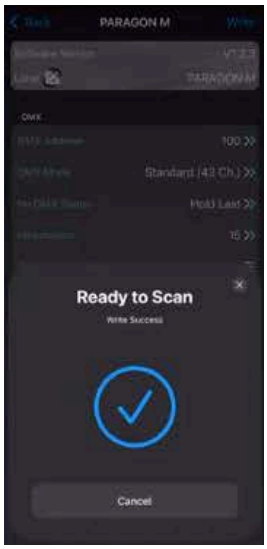
2. The app will pull the settings from the fixture, and the fixture's name will appear in the background. Press "Cancel" on the scan window to close it out and access the fixture shown in the app background.



3. Select the fixture. This opens a window where the user can view or change the settings before uploading them to the fixture. With the settings updated, tap "Write" at the top right of the screen.



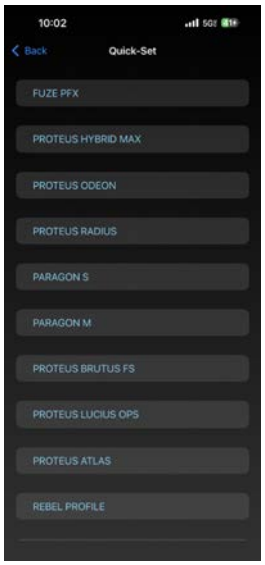
4. A window will open up informing the user that the app is ready to scan. Hold the controlling device up to the NFC icon on the fixture, and the updated settings will be loaded to the fixture. Upon completion, a message stating "Write Success" will be shown.



NEAR FIELD COMMUNICATION (NFC)

Quick Set

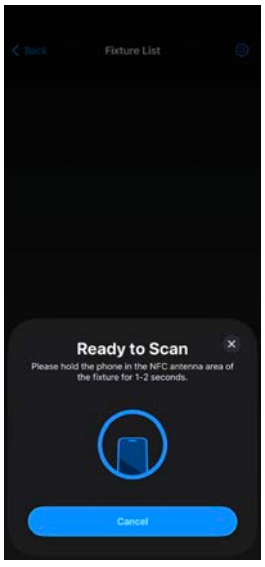
1. Select the fixture model from the list of options that is shown.



2. This will open up a screen where fixture settings can be viewed or changed. In addition to the typical fixture settings that can be found here, there is also an "**Address**" option that can be useful for applying the same settings to multiple fixtures: **Duplicate** will set each fixture configured with the NFC app to the same address, while **Increase** will set each fixture to sequential addresses.



3. When the desired changes have been made, tap "Write to NFC." This will trigger a "Ready to Scan" window to appear.



4. Hold the controlling device up to the fixture's NFC mark for a few seconds. The app will display a success message when the settings have been successfully loaded to the fixture.



NEAR FIELD COMMUNICATION (NFC)

Tips for Successful NFC Interaction

- The NFC chip is typically located near the top of the device for Apple phones, while Android based phones usually have it along the back side.
- Some fixtures will have NFC points on the front of the device (typically near the control panel) as well as on the bottom of the base. This allows NFC functionality even in the event that the fixtures are stored in road cases.
- Fixtures do not necessarily need to be powered on for NFC functionality. In many cases, if the device is off, the information will simply be stored in the chip and accessed when the device is powered on.
- Maintain a short-range distance (6 inches or less) between the control device and the indicated NFC area of the fixture.
- Ensure your device supports NFC, and has the necessary apps for interaction.
- Avoid obstacles between the devices, like metal objects, to ensure smooth communication.
- Ensure that your application is running the latest software version.

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.

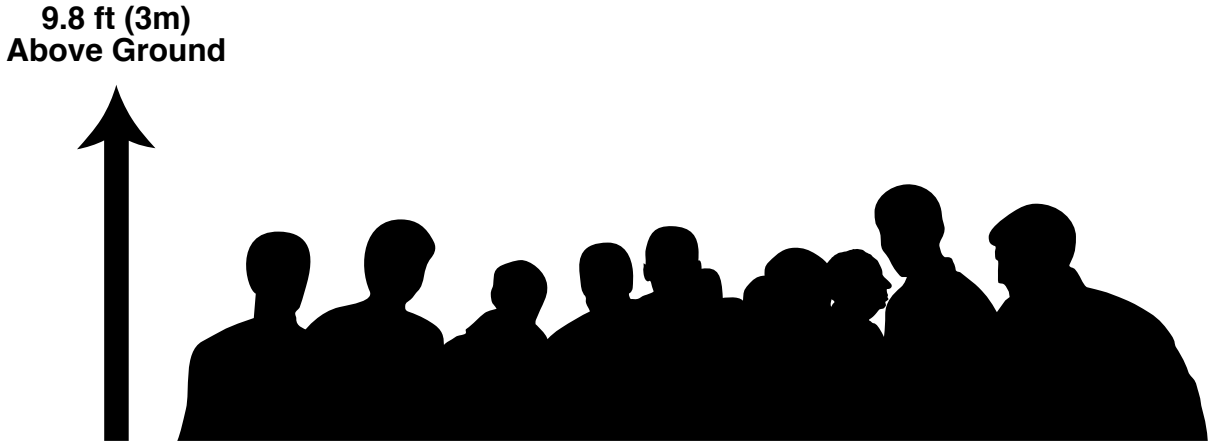
In summary, if an application demands high data rates and more bandwidth in urban or densely populated areas where interference management is feasible, the 2.4 GHz frequency is a suitable choice. On the other hand, for applications requiring long-range communication and better obstacle penetration, particularly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

DETECTED DEVICES

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.

REMOTE DEVICE MANAGEMENT (RDM)

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

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

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

FIXTURE RDM INFORMATION:

RDM Code	Device ID	Device Model ID	Personality ID
22A6	0x0054	SOL I Strobe	4Ch, 12Ch, 23Ch, 40Ch, 57Ch, 80Ch

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

The following parameters are accessible in RDM on this device:

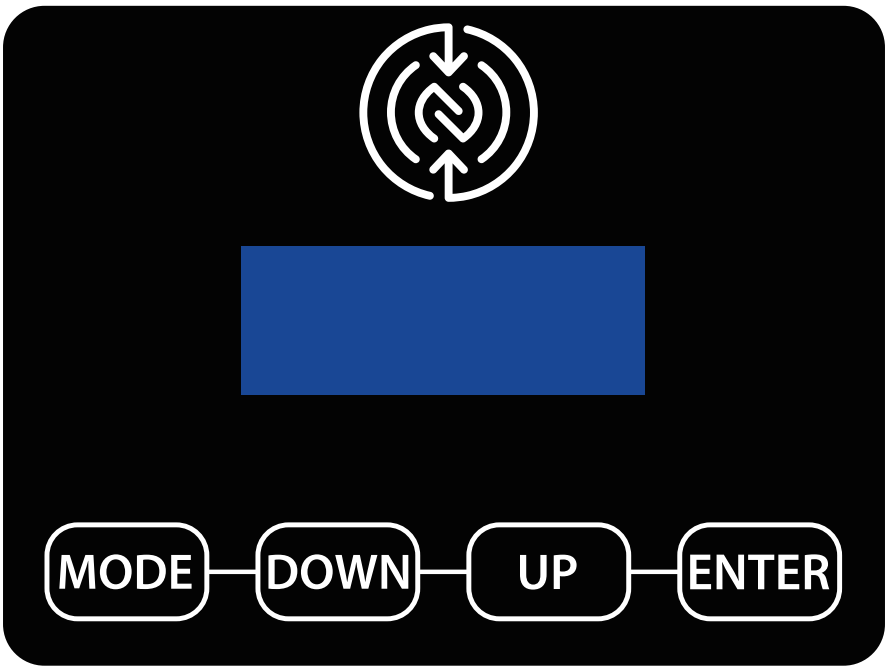
CODE	PARAMETER
0x0001	Discovery Unique Branch
0x0002	Discovery Mute
0x0003	Discovery Un Mute
0x0020	Queued Message
0x0030	Status Messages
0x0050	Supported Parameters
0x0060	Device Info
0x0070	Product Detail ID List
0x0080	Device Model Description
0x0081	Manufacturer Label
0x0082	Device Label
0x0090	Factory Defaults
0x00C0	Software Version Label
0x00C1	Boot Software Version ID

CODE	PARAMETER
0x00C2	Boot Software Version Label
0x00E0	DMX Personality
0x00E1	DMX Personality Description
0x00F0	DMX Start Address
0x0122	Default Slot Value
0x0200	Sensor Definition
0x0201	Sensor Value
0x0343	Curve
0x0344	Curve Description
0x0345	Output Response Time
0x0346	Output Response Time Description
0x0400	Device Hours
0x0500	Display Invert
0x1000	Identify Device

CONTROL PANEL

The fixture includes an easy to navigate system menu. The touch control panel display located on the rear of the fixture (illustrated below) provides access to the main system menu where all necessary system adjustments are made to the fixture.

- Navigate through the main menu options with the **MODE** button.
- Once you reach the desired menu option, press the **ENTER** button to activate that field. Use the **DOWN** and **UP** buttons to adjust the field or to select from the sub-menus, if applicable.
- Pressing the **ENTER** button once more will confirm the setting.
- Exit to the previous menu at any time without making any adjustments by pressing the **MODE** button.



KEY LOCK

The control keys can be configured to lock after a pre-set period of inactivity. Factory settings will lock the keys after a period of inactivity equal to the screen delay time (1 minute by default), but this setting can be configured to activate after a period of inactivity ranging from 10 seconds and 5 minutes, linked or de-linked to the screen delay time, or disabled entirely so that the keys will always remain unlocked. To change this setting, use the control panel keys to navigate to Settings > Display > Screen Lock in the system menu, then use the UP and DOWN keys to select your desired value. Press the ENTER button to confirm your selection. **To unlock the controls, press UP, DOWN, UP, DOWN, ENTER.**

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
DMX	DMX Address	**001** - 512	
	DMX Mode	4Ch Xenon Strobe	
		12Ch Simple Strobe	
		23Ch Strobe FX	
		40Ch Quarter Control	
		80Ch Full Control	
		57Ch Raw Mode	
	No DMX Status	**Hold Last**	
		Fade to Black	
		Standalone	
	Protocol	Select Signal	**DMX**
			Aria In - DMX Out
			DMX In - Aria Out
	Aria	Enable Aria	**Off** / On
		Frequency	**2.4 GHz**
			Sub Gig US
			Sub Gig EU
		2.4 GHz Ch	**0** - 15
		Sub Gig Ch	**0** - 9
		Enable Mesh	On / **Off**
		Enable Bluetooth	On / **Off**
ARRAY MODE	Fixture ID (Main, Copy Main, 2, 3, 4...)	**(Main Fixture Settings Only)**	
		DMX Starting Address	**001** - 512
		DMX Mode	4Ch Xenon Strobe
			12Ch Simple Strobe
			23Ch Strobe FX
			40Ch Quarter Control
			80Ch Full Control
			57Ch Raw Mode
CONTROL	Dimmer	000 - **100%**	
	Manual Color	RGB Dimmer	000 - **100%**
		Red	0 - **255**
		Green	0 - **255**
		Blue	0 - **255**
		CW Strobe Dimmer	000 - **100%**
		Frost	**0** - 255
		CCT	1800K - 8500K (Default = **6000K**)
		Virtual Color	see Color Macros section

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
CONTROL (continued)	Primary	On / **Off**	
	Secondary	On / **Off**	
	Self Test	All	
		Dimmer	
		Strobe LED	
		Color LED	
SETTINGS	Output Mode	**Blinder Output**	
		Constant Output	
	Dim Modes	**Standard**	
		Stage	
		TV	
		Architectural	
		Theatre	
		Stage 2	
		Dim Speed	0s - 10s (Default = **0.1s**)
	Dim to Warm	**On** / Off	Note: affects RGB CCT only
	Dim Curves	**Linear**	
		Square	
		Square Inverse	
		S-Curve	
	Zone Rotation	**Default Zone Arrangement**	
		Rotate Zones Clockwise 90°	
		Rotate Zones Clockwise 180°	
		Rotate Zones Clockwise 270°	
	LED Refresh Rate	900Hz - 1500Hz, 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10KHz, 15KHz, 20KHz, 25KHz Default = **1200Hz**	
	LED Power Limit	50%	
		60%	
		70%	
		80%	
		90%	
		100%	
	Display	Screen Delay	10s - 5min (Default = **1min**)
		Screen Lock	Off, 10s - 5min (Default = **Key Lock**)
		Rotate Display	Yes / **No** / Auto
	Reset User Defaults	Yes / **No**	

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
INFORMATION	Time	Current Run Time	
		Total Run Time	
		Last Run Time	
	Temperature	Current	
		Max Resettable	
	Humidity	Current	
		Max Resettable	
	DMX Values	Red	
		Green	
		...	
	Product IDs	RDM UID	
	Error Logs	Fixture Errors	
	Software Version	Vx.x	
SERVICE Passcode = 050	Calibration	All Red	000 - 255
		All Green	000 - 255
		All Blue	000 - 255
		All CW Strobe	000 - 255
		Red 1	000 - 255
		Green 1	000 - 255
		Blue 1	000 - 255
		...	...
		Red 16	000 - 255
		Green 16	000 - 255
		Blue 16	000 - 255
		CW Strobe 1	000 - 255
		...	...
		CW Strobe 8	000 - 255
	Record User Defaults	Yes / **No**	
	Reset Factory Defaults	Yes / **No**	
	Reset Last Run	Yes / No	
	Reset Error Logs	Yes / No	

ARRAY MODE

Blinder Output (Default)
In Blinder Output mode, the fixture runs at its maximum output while remaining within a safe operating temperature. This mode is intended for typical Strobe use, where short, bright bursts of light are required.

Constant Output Mode
In Constant Output mode, the fixture runs at a reduced output and power draw to hold a consistent level for continuous use. Use this mode when a steady light output is needed for an extended period.

ARRAY MODE
To set up Array Mode:
1. Assemble the fixtures into an array and connect power and DMX to each fixture.
2. Select one fixture to act as the Main device.
3. Unplug any incoming DMX cables from the Main device.
4. Set all desired options on the Main device.
5. Open Array Mode in the Main device menu.
6. Set the Main device ID to **Main**.
7. Set the DMX start address and DMX mode.

To set each connected fixture:
1. Open Array Mode on that fixture.
2. In **Fixture ID**, select **Copy Main** or the unit number for that fixture.

After an ID is selected, the fixture's DMX address and related settings are applied automatically. **Copy Main** assigns the same DMX address as the Main fixture. Numbered Fixture IDs (2, 3, 4, etc.) apply an offset address based on the selected DMX mode.

After all fixtures are set, reconnect the DMX input.

DMX TRAITS

MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
1		1	1	1			**Master Dimmer**		0
						000 - 255	Intensity, 0 - 100%		
	1	2	2	2			**Strobe Dimmer**		0
						000 - 255	Intensity, 0 - 100%		
2	2	3	3	3			**CW Strobe Duration**		0
						000 - 255	Minimum to maximum		
3	3	4	4	4			**CW Strobe Rate**		0
						000 - 255	Fast to slow		
	4	5	5	5			**CW Strobe Mode**	X	255
						000 - 031	Single Strobe / Standard Mode		
						032 - 063	Ramp Up		
						064 - 095	Ramp Down		
						096 - 127	Ramp Up to Ramp Down		
						128 - 159	Random		
						160 - 191	Double Flash		
						192 - 223	Triple Flash		
						224 - 255	No Effect		
	5	6	6	6			**RGB Dimmer**		0
						000 - 255	Intensity, 0 - 100%		
	6	7	7	7			**RGB Strobe Duration**		0
						000 - 255	Minimum to maximum		
	7	8	8	8			**RGB Strobe Rate**		0
						000 - 255	Fast to slow		
	8	9	9	9			**RGB Strobe Mode**	X	255
						000 - 031	Single Strobe / Standard Mode		
						032 - 063	Ramp Up		
						064 - 095	Ramp Down		
						096 - 127	Ramp Up to Ramp Down		
						128 - 159	Random		
						160 - 191	Double Flash		
						192 - 223	Triple Flash		
						224 - 225	Sync Dim and Strobe with CW Strobe		
						226 - 255	No Effect		
4	9	10	10	10	1		**Frost**		0
						000 - 255	Frost Saturation, 0 - 100%		
	10	11	11	11			**All Red**		0
						000 - 255	Red Saturation, 0 - 100%		
	11	12	12	12			**All Green**		0
						000 - 255	Green Saturation, 0 - 100%		
	12	13	13	13			**All Blue**		0
						000 - 255	Blue Saturation, 0 - 100%		

DMX TRAITS

MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
			14	14			**CCT Presets**	X	0
						000 - 017	Open		
						018 - 085	1800K to 8500K		
						086 - 255	8500K		
		14	15	15			**CW Strobe Effect Selection**	X	0
						000	Idle		
						001 - 255	FX Selection 1 to 255		
		15	16	16			**CW Strobe Effect Speed**		0
						000 - 126	Fast to slow		
						127 - 128	Stop		
						129 - 255	Reverse slow to fast		
		16	17	17			**CW Strobe Effect Size**	X	0
						000 - 050	Idle		
						051 - 060	1 Zone		
						061 - 070	2 Zone		
						071 - 080	4 Zone		
						081 - 090	8 Zone		
						091 - 255	Idle		
		17	18	18			**CW Strobe Effect Offset**	X	0
						000	Idle		
						001 - 035	Fixture Offset, 10 degrees to 350 degrees		
						036	Synchronized		
						037 - 049	Random Fixture Offset		
						050 - 059	Random Pixel Order		
						060 - 069	Random Steps		
						070 - 079	Idle		
							Effect Fade		
						080 - 089	Sinewave - Cross		
						090 - 099	Sinewave - Full		
						100 - 109	Sawtooth - Cross		
						110 - 119	Sawtooth - Full		
						120 - 129	Ramp Up		
						130 - 139	Ramp Down		
						140 - 149	Steps		
						150 - 255	Idle		
		18	19	19			**RGB Effect Selection**	X	0
						000	Idle		
						001 - 255	FX Selection 1 to 255		

DMX TRAITS

MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
		19	20	20			**RGB Effect Speed**		0
						000 - 126	Fast to slow		
						127 - 128	Stop		
						129 - 255	Reverse slow to fast		
		20	21	21			**RGB Effect Size**	X	0
						000 - 050	Idle		
						051 - 060	1 Zone		
						061 - 070	2 Zone		
						071 - 080	4 Zone		
						081 - 090	8 Zone		
						091 - 100	16 Zone		
						101 - 255	Idle		
		21	22	22			**RGB Effect Offset**	X	0
						000	Idle		
						001 - 035	Fixture Offset, 10 degrees to 350 degrees		
						036	Synchronized		
						037 - 049	Random Fixture Offset		
						050 - 059	Random Pixel Order		
						060 - 069	Random Steps		
						070 - 079	Idle		
							Effect Fade		
						080 - 089	Sinewave - Cross		
						090 - 099	Sinewave - Full		
						100 - 109	Sawtooth - Cross		
						110 - 119	Sawtooth - Full		
						120 - 129	Ramp Up		
						130 - 139	Ramp Down		
						140 - 149	Steps		
						150 - 255	Idle		
		22	23	23			**Dim Modes**	X	0
						000	Idle		
						001 - 020	Standard		
						021 - 040	Stage		
						041 - 060	TV		
						061 - 080	Architectural		
						081 - 100	Theatre		
						101 - 120	Stage 2		

DMX TRAITS

MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
		22	23	23			**Dimmer Delay Time**	X	0
						121	0s		
						122	0.1s		
						123	0.2s		
						124	0.3s		
						125	0.4s		
						126	0.5s		
						127	0.6s		
		22	23	23			**Dimmer Delay Time (continued)**	X	0
						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 (RGB Only)		
						150 - 154	DTW On		
						155 - 159	DTW Off		
						160 - 255	Idle		
		23	24	24			**Control**	X	0
						000 - 024	Idle		
						025 - 034	Blinder Output Mode		
						035 - 044	Constant Output Mode		
						045 - 099	Idle		

DMX TRAITS

MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
							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		
						115	1050		
						116	1060		
						117	1070		
		23	24	24		118	1080	X	0
						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		

DMX TRAITS

MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
							Refresh Rate (Hz) (continued)		
						139	1290		
						140	1300		
						141	1310		
						142	1320		
						143	1330		
						144	1340		
						145	1350		
						146	1360		
						147	1370		
						148	1380		
						149	1390		
						150	1400		
						151	1410		
						152	1420		
						153	1430		
						154	1440		
						155	1450		
		23	24	24		156	1460	X	0
						157	1470		
						158	1480		
						159	1490		
						160	1500		
						161	2500		
						162	4000		
						163	5000		
						164	6000		
						165	10000		
						166	15000		
						167	20000		
						168	25000		
						169 - 170	Idle		
							Zone Rotation		
						171 - 172	Default Zone Arrangement		
						173 - 174	Rotate Zone Clockwise 90°		
						175 - 176	Rotate Zone Clockwise 180°		
						177 - 178	Rotate Zone Clockwise 270°		
						179 - 200	Idle		

DMX TRAITS

MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
		23	23	24			**Dimmer Curves**	X	0
						201 - 210	Linear		
						211 - 220	Square		
						221 - 230	Inverse Square		
						231 - 240	S-Curve (Default)		
						241 - 255	Idle		
			25	25	2		**CW Strobe 1**		0
						000 - 255	Intensity, 0 to 100%		
			26	26	3		**CW Strobe 2**		0
						000 - 255	Intensity, 0 to 100%		
			27	27	4		**CW Strobe 3**		0
						000 - 255	Intensity, 0 to 100%		
			28	28	5		**CW Strobe 4**		0
						000 - 255	Intensity, 0 to 100%		
				29	6		**CW Strobe 5**		0
						000 - 255	Intensity, 0 to 100%		
				30	7		**CW Strobe 6**		0
						000 - 255	Intensity, 0 to 100%		
				31	8		**CW Strobe 7**		0
						000 - 255	Intensity, 0 to 100%		
				32	9		**CW Strobe 8**		0
						000 - 255	Intensity, 0 to 100%		
			29	33	10		**Red 1**		0
						000 - 255	Red Saturation, 0 to 100%		
			30	34	11		**Green 1**		0
						000 - 255	Green Saturation, 0 to 100%		
			31	35	12		**Blue 1**		0
						000 - 255	Blue Saturation, 0 to 100%		
			32	36	13		**Red 2**		0
						000 - 255	Red Saturation, 0 to 100%		
			33	37	14		**Green 2**		0
						000 - 255	Green Saturation, 0 to 100%		
			34	38	15		**Blue 2**		0
						000 - 255	Blue Saturation, 0 to 100%		
			35	39	16		**Red 3**		0
						000 - 255	Red Saturation, 0 to 100%		
			36	40	17		**Green 3**		0
						000 - 255	Green Saturation, 0 to 100%		
			37	41	18		**Blue 3**		0
						000 - 255	Blue Saturation, 0 to 100%		

DMX TRAITS

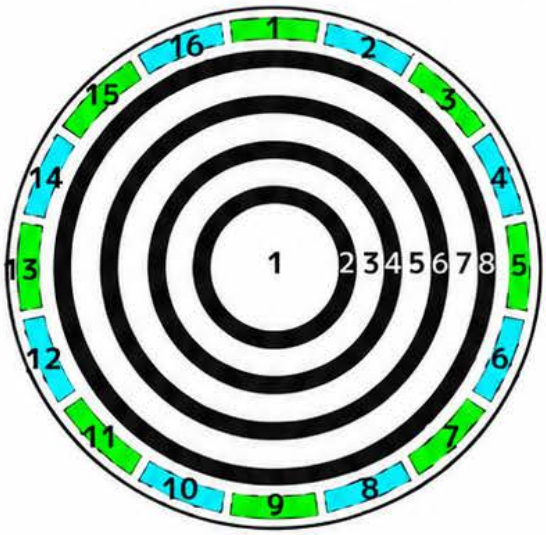
MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
			38	42	19		**Red 4**		0
						000 - 255	Red Saturation, 0 to 100%		
			39	43	20		**Green 4**		0
						000 - 255	Green Saturation, 0 to 100%		
			40	44	21		**Blue 4**		0
						000 - 255	Blue Saturation, 0 to 100%		
				45	22		**Red 5**		0
						000 - 255	Red Saturation, 0 to 100%		
				46	23		**Green 5**		0
						000 - 255	Green Saturation, 0 to 100%		
				47	24		**Blue 5**		0
						000 - 255	Blue Saturation, 0 to 100%		
				48	25		**Red 6**		0
						000 - 255	Red Saturation, 0 to 100%		
				49	26		**Green 6**		0
						000 - 255	Green Saturation, 0 to 100%		
				50	27		**Blue 6**		0
						000 - 255	Blue Saturation, 0 to 100%		
				51	28		**Red 7**		0
						000 - 255	Red Saturation, 0 to 100%		
				52	29		**Green 7**		0
						000 - 255	Green Saturation, 0 to 100%		
				53	30		**Blue 7**		0
						000 - 255	Blue Saturation, 0 to 100%		
				54	31		**Red 8**		0
						000 - 255	Red Saturation, 0 to 100%		
				55	32		**Green 8**		0
						000 - 255	Green Saturation, 0 to 100%		
				56	33		**Blue 8**		0
						000 - 255	Blue Saturation, 0 to 100%		
				57	34		**Red 9**		0
						000 - 255	Red Saturation, 0 to 100%		
				58	35		**Green 9**		0
						000 - 255	Green Saturation, 0 to 100%		
				59	36		**Blue 9**		0
						000 - 255	Blue Saturation, 0 to 100%		

DMX TRAITS

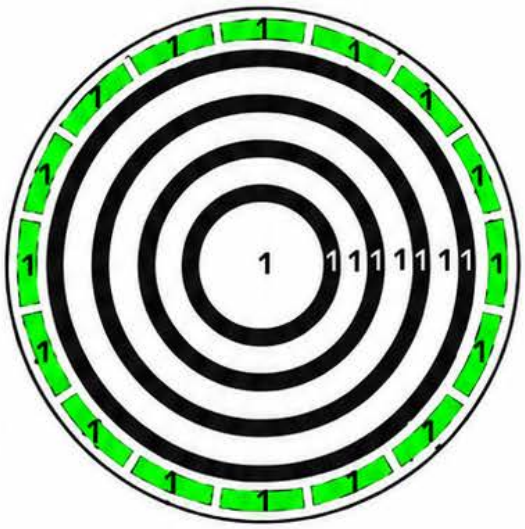
MODE/CHANNEL						DMX VALUES	FUNCTION	SNAP	DEF VAL
4 ch	12 ch	23 ch	40 ch	80 ch	57 ch				
				60	37		**Red 10**		0
						000 - 255	Red Saturation, 0 to 100%		
				61	38		**Green 10**		0
						000 - 255	Green Saturation, 0 to 100%		
				62	39		**Blue 10**		0
						000 - 255	Blue Saturation, 0 to 100%		
				63	40		**Red 11**		0
						000 - 255	Red Saturation, 0 to 100%		
				64	41		**Green 11**		0
						000 - 255	Green Saturation, 0 to 100%		
				65	42		**Blue 11**		0
						000 - 255	Blue Saturation, 0 to 100%		
				66	43		**Red 12**		0
						000 - 255	Red Saturation, 0 to 100%		
				67	44		**Green 12**		0
						000 - 255	Green Saturation, 0 to 100%		
				68	45		**Blue 12**		0
						000 - 255	Blue Saturation, 0 to 100%		
				69	46		**Red 13**		0
						000 - 255	Red Saturation, 0 to 100%		
				70	47		**Green 13**		0
						000 - 255	Green Saturation, 0 to 100%		
				71	48		**Blue 13**		0
						000 - 255	Blue Saturation, 0 to 100%		
				72	49		**Red 14**		0
						000 - 255	Red Saturation, 0 to 100%		
				73	50		**Green 14**		0
						000 - 255	Green Saturation, 0 to 100%		
				74	51		**Blue 14**		0
						000 - 255	Blue Saturation, 0 to 100%		
				75	52		**Red 15**		0
						000 - 255	Red Saturation, 0 to 100%		
				76	53		**Green 15**		0
						000 - 255	Green Saturation, 0 to 100%		
				77	54		**Blue 15**		0
						000 - 255	Blue Saturation, 0 to 100%		
				78	55		**Red 16**		0
						000 - 255	Red Saturation, 0 to 100%		
				79	56		**Green 16**		0
						000 - 255	Green Saturation, 0 to 100%		
				80	57		**Blue 16**		0
						000 - 255	Blue Saturation, 0 to 100%		

CELL ZONES

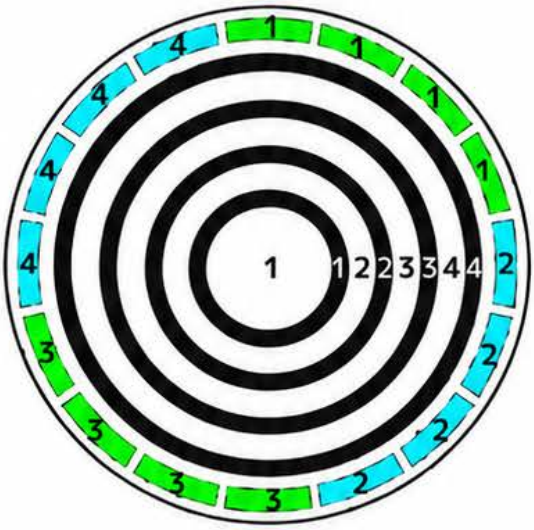
FULL CONTROL MODE



SIMPLE MODE



QUARTER CONTROL MODE

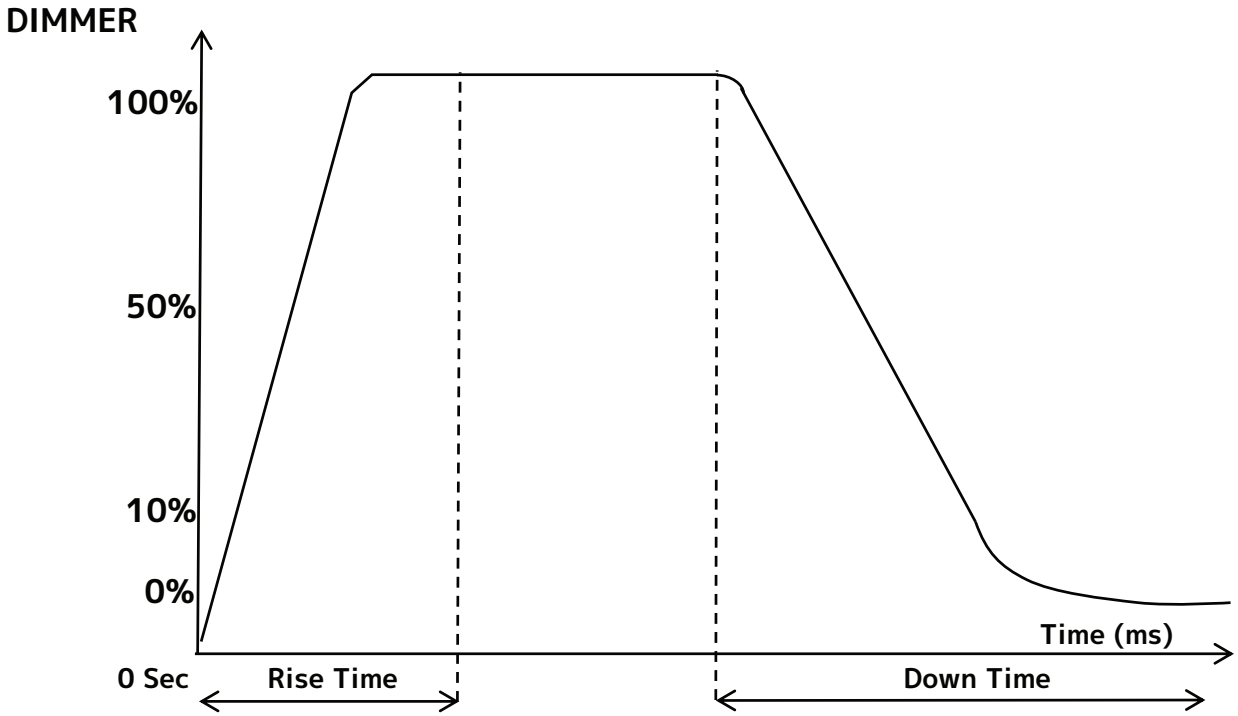


COLOR TEMPERATURE TABLE

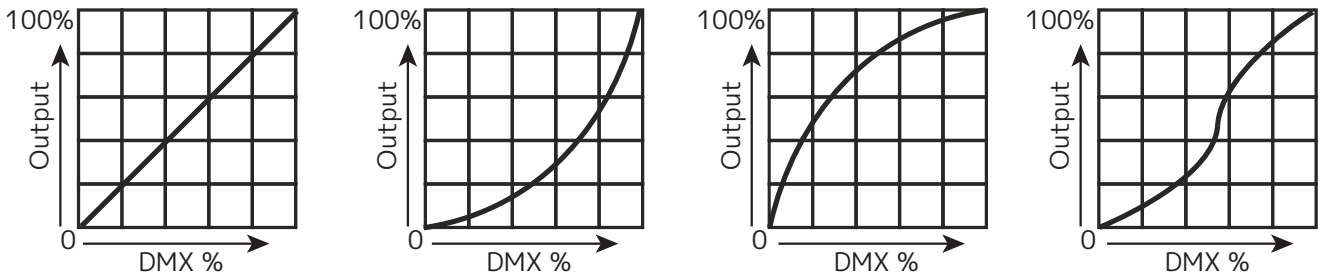
Colors shown are an approximate representation. **https://www.luxalight.eu/en/cie-convertor**

DMX VALUE	COLOR TEMPERATURE (K)	DMX VALUE	COLOR TEMPERATURE (K)
18	1800	52	5200
19	1900	53	5300
20	2000	54	5400
21	2100	55	5500
22	2200	56	5600
23	2300	57	5700
24	2400	58	5800
25	2500	59	5900
26	2600	60	6000
27	2700	61	6100
28	2800	62	6200
29	2900	63	6300
30	3000	64	6400
31	3100	65	6500
32	3200	66	6600
33	3300	67	6700
34	3400	68	6800
35	3500	69	6900
36	3600	70	7000
37	3700	71	7100
38	3800	72	7200
39	3900	73	7300
40	4000	74	7400
41	4100	75	7500
42	4200	76	7600
43	4300	77	7700
44	4400	78	7800
45	4500	79	7900
46	4600	80	8000
47	4700	81	8100
48	4800	82	8200
49	4900	83	8300
50	5000	84	8400
51	5100	85	8500

DIMMER CURVES



Dimming Curve Ramp Effect	0 sec Fade Time (255 / 0)		1 sec Fade Time (255 / 0)	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660



MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Periodically clean the external lens surface with a soft cloth to avoid dirt/debris accumulation. **NEVER** use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from your local Elation dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware, and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments.

NEVER remove the ground prong from the power cable.

ERROR CODES

CODE	DESCRIPTION
Temp Error	Temperature error

TORQUE SETTINGS FOR SCREWS

IN ORDER TO MAINTAIN THE IP65 RATING ON THE LIGHTING FIXTURES, ALL SCREWS MUST BE TIGHTENED TO THE FOLLOWING TORQUE SPECIFICATION USING A TORQUE DRIVER.

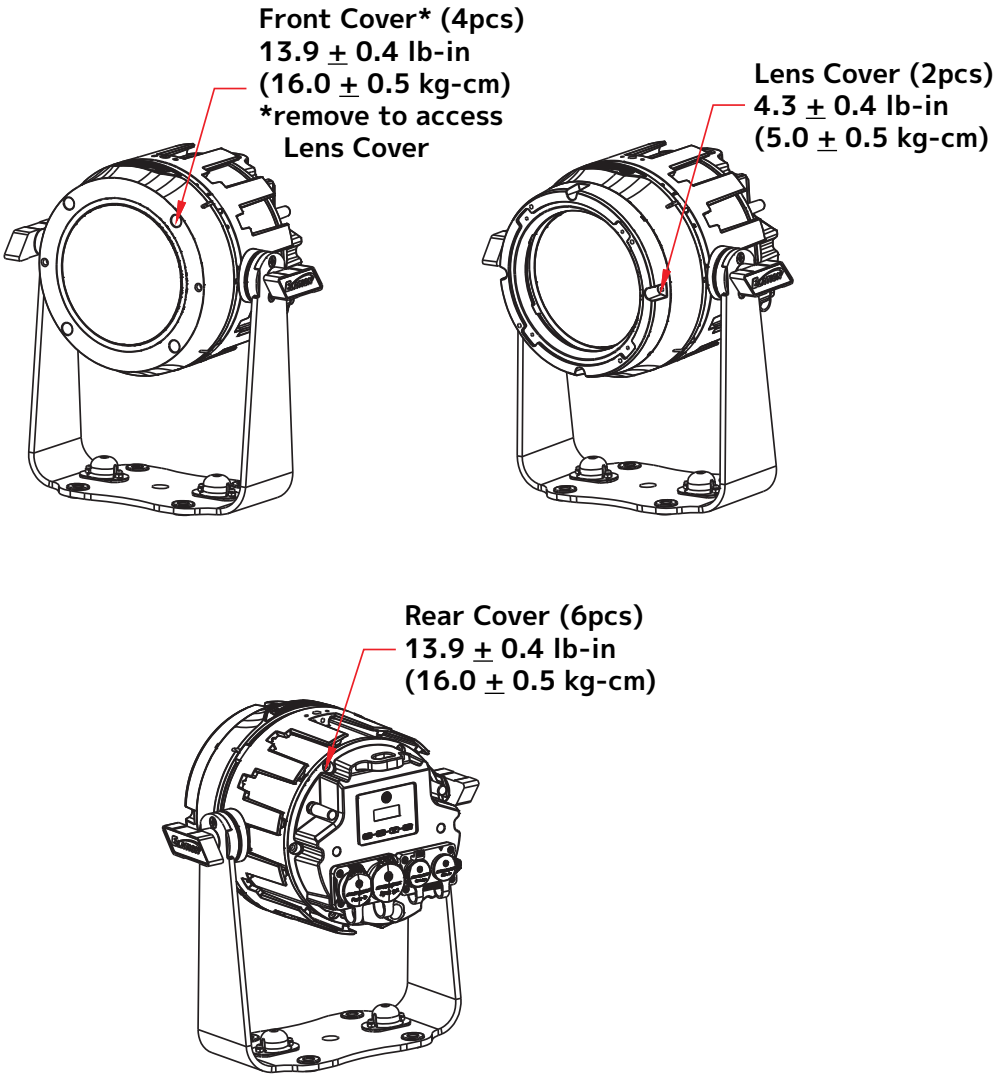
Refer to the table and diagram below for torque specifications.

TORQUE DRIVERS (Recommended): UTICA TS-30 (shown)
ALTERNATE DRIVERS:

- Proto J6107A
- Wiha 28887

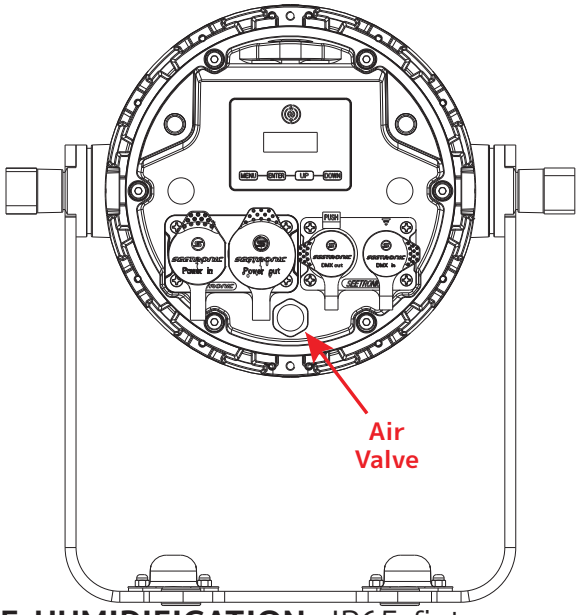


CAUTION! DO NOT OVER TORQUE SCREWS, AS THIS CAN CAUSE LEAKAGE ISSUES!



IP TEST PARAMETERS

Following any repair or maintenance procedure that requires disassembly of the fixture, use Elation's IP Tester to confirm the IP integrity of the fixture. This fixture features an air valve on the rear of the fixture near the connection ports, as shown in the diagram below. Please contact Elation Service for information regarding the Elation IP Tester, or visit the product information page online at: **https://www.elationlighting.com/ip-tester**



CAUTION! THE USE OF PROTECTIVE GLOVES AND SAFETY GOGGLES IS STRONGLY RECOMMENDED WHILE PERFORMING THE IP PRESSURE TEST! AVOID PLACING YOUR FACE, EYES, HANDS, ETC IN PROXIMITY TO THE LENS OF THE FIXTURE WHILE PERFORMING THE TEST!

DE-HUMIDIFICATION: IP65 fixtures operating in high-humidity environments may experience residual fogging or condensation. Such fogging will not affect the fixture, and can be removed using the following procedure: position the unit with the air valve pointing upwards, then open the air valve and run the unit for 1-2 hours after reaching operating temperature. Then, while the fixture is still hot, re-install the air valve and allow the unit to cool down. Please note: this procedure should be performed in a dry, climate-controlled environment. Avoid additional fogging by drying the fixture completely before placing into a road case.



IP PRESSURE TESTING PARAMETERS					
Minimum Pressure	**Maximum Pressure**	**Inflation Time**	**Stabilization Time**	**Testing Time**	**Acceptable Leakage**
20 kPa	23 kPa	30 s	15 s	15 s	100 Pa

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.

Updates can be performed over the **Aria** connection, or with an **Elation C-Loader** device. Please contact Elation service for details or to order the C-Loader device.

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

ORDERING INFORMATION

SKU (US)	SKU (EU)	DESCRIPTION
SOL051	1215200015	Elation SOL I Strobe
SOL1IC	1236300102	SOL I Interconnect
SOL1M10C	Pending	SOL I M10 Connect
SOL1RMB	1236300103	SOL I Rear Mount Bracket
SOL1Y	Pending	SOL I Heavy Duty Yoke
SOL1BFK	Pending	SOL I Blinder Frame Kit
SOLFL	Pending	SOL Fresnel Lens
SOLFRO	Pending	SOL Frosted Lens
SOLBA	Pending	SOL Bowens Adapter
SOLDL	Pending	SOL Dome Lens
SOLBL	Pending	SOL Blackout Lens
SOLGFHK	Pending	SOL Gel Frame Holder Kit
SOLBD	Pending	SOL Barndoor
PDJ112	1236300101	SOL Power DMX Jumper Cable
8050000053	Pending	Omega Bracket

SPECIFICATIONS

SOURCE
(252) 5W CW Strobe LEDs
(48) 1.5W RGB LEDs
50,000 Hour Average LED Life*
*May vary depending on several factors including but not limited to: Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control and Dimming.

PHOTOMETRIC DATA
Total Lumen Output
14,500 (Integrating Sphere)
TBA (Goniometer)
Beam Angle: 60°
Field Angle: 108°

EFFECTS
Variable Electronic Frost
8 Zones of CW Strobe LEDs
16 Zones of RGB LEDs
1- 20Hz Strobe Rate
Library of Customizable RGB and CW Strobe Effects
Variable Dimming Modes and Curves

COLOR
RGB Color Array
Variable CCT 1800K - 8500K

CONTROL / CONNECTIONS
6 DMX Channel Modes
(4ch/12ch/23ch/40ch/80/57ch)
4 Button Control Panel, LED Display
Aria x2 Wireless Device Management
RDM (Remote Device Management)
IP65 5pin XLR DMX In/Out
IP65 Locking Power Cable In

SIZE / WEIGHT (Without Accessories)
Length: 7.7" (195mm)
Width: 6.7" (170mm)
Vertical Height: 6.7" (170mm)
Weight (Fixture Only): 7 lbs (3.2 kg)
Weight (With Floor Stand/Yoke): 9.9 lbs (4.5 kg)

ELECTRICAL / THERMAL
AC 100-240V, 50/60Hz
267W Max Power Consumption
Power Thru Capacity: 9A (3 units @100V; 8 units @240V)
-4°F to 113°F (-20°C to 45°C)
BTU/hr (+/- 10%) 852.5

INCLUDED ITEMS
IP65 Locking Power Cable
Safety Cable
Yoke/ Floor Stand
Fixture Interconnect Adapter

OPTIONAL ITEMS
SŌL I Interconnect (SOL1IC)
SŌL I M10 Connect (SOL1M10C)
SŌL I Rear Mount Bracket (SOL1RMB)
SŌL I Heavy Duty Yoke (SOL1Y)
SŌL I Blinder Frame Kit (SOL1BFK)
SŌL Fresnel Lens (SOLFL)
SŌL Frosted Lens (SOLFRO)
SŌL Bowens Adapter (SOLBA)
SŌL Dome Lens (SOLDL)
SŌL Blackout Lens (SOLBL)
SŌL Gel Frame Holder Kit (SOLGFHK)
SŌL Barndoor (SOLBD)
SŌL Power DMX Jumper Cable (PDJ112)
8050000053 - Omega Bracket

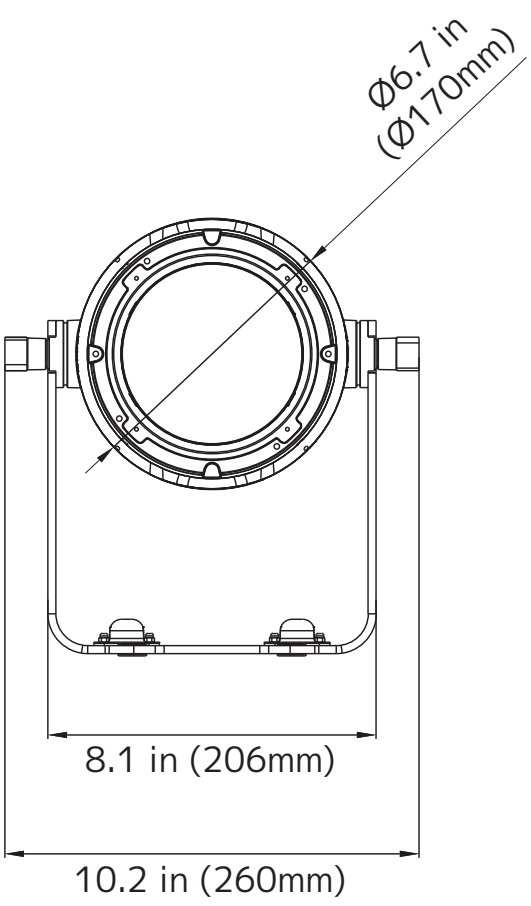
APPROVALS / RATINGS
IP65

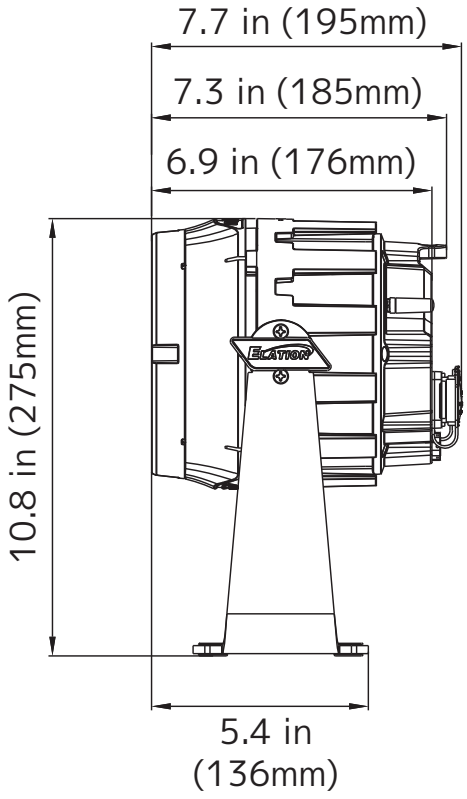
IP65

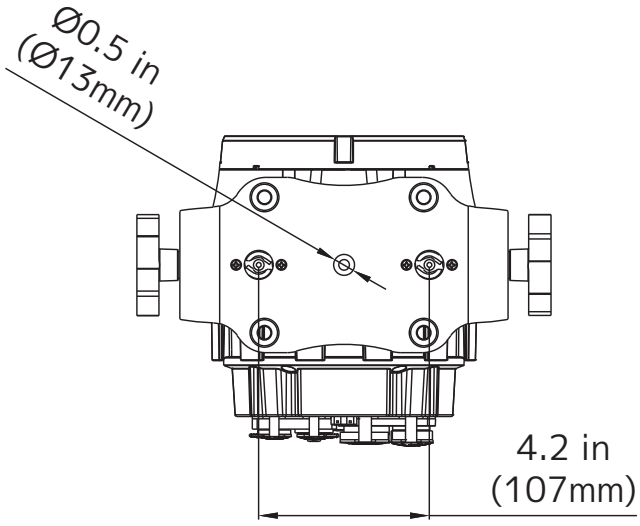
Specifications and documentation subject to change without notice.

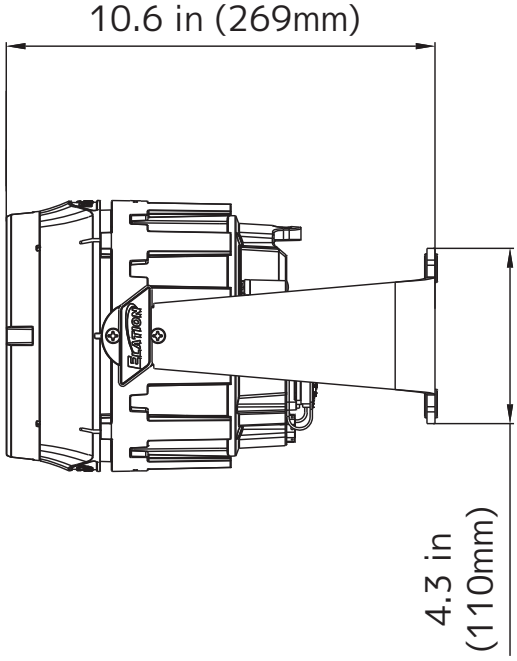
DIMENSIONAL DRAWINGS

FIXTURE





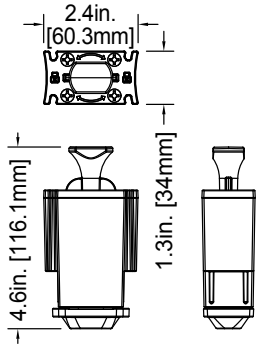




DIMENSIONAL DRAWINGS

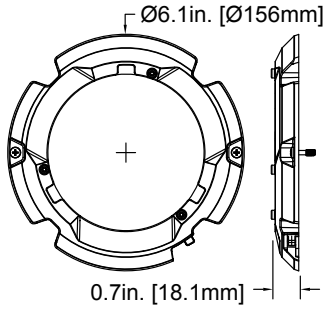
INCLUDED ITEMS

Fixture Interconnect

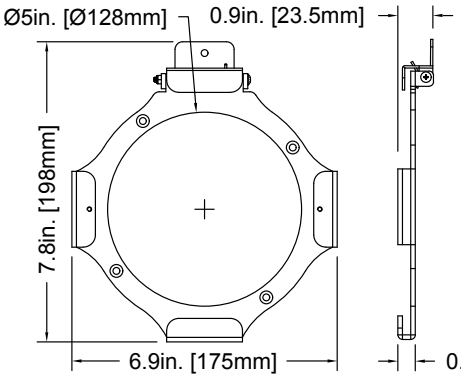


OPTIONAL ITEMS

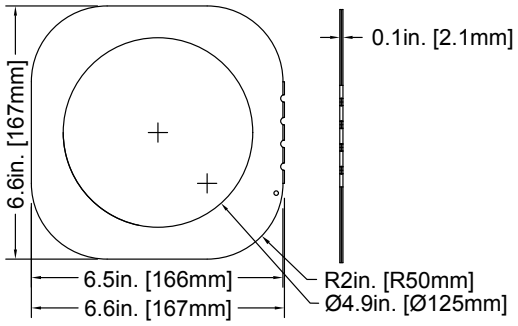
Bowens Adapter



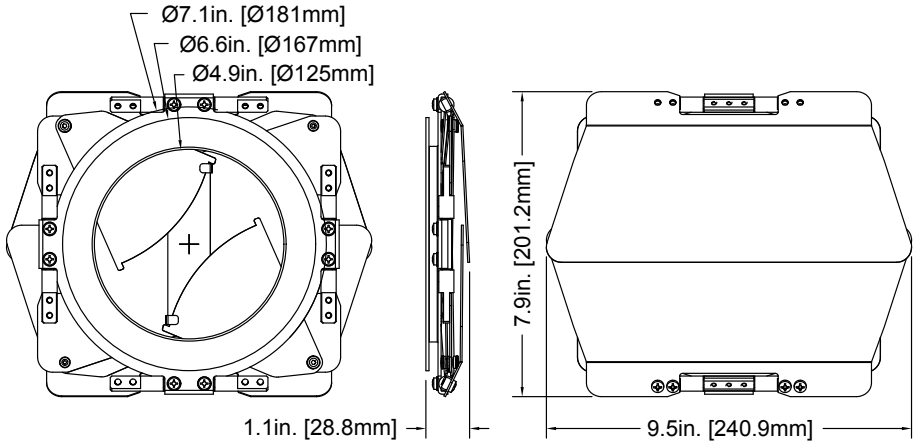
Gel Frame Holder



Gel Frame



Barndoor



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!

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