

# **ELATION®**



**SOL** I BLINDER  
user manual

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## DOCUMENT VERSION



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

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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.

### 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

- (1) Floor Stand/Yoke
- (1) Fixture Interconnect Lock
- (1) Safety Cable
- (1) IP65 Locking Power Cable

### CUSTOMER SUPPORT

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

**ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST**

**323-582-3322 | Fax 323-832-9142 | [support@elationlighting.com](mailto:support@elationlighting.com)**

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



# 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/Coastal Environment Installations:** A coastal environment is seaside adjacent, and caustic to electronics through exposure to atomized salt-water and humidity, whereas maritime is anywhere within 5-miles of a coastal environment.



**NOT suitable for maritime/coastal environment installations. Installing this fixture in a maritime/coastal 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/coastal environment will void the manufactures 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 bases, except for cooling fans, which should be replaced once the luminaries reach 10,000-hours. This is a prophylactic measure intended to keep the unit running as cool as possible, insuring proper function of all internal components. A complete service breakdown is available, please contact [service@elationlighting.com](mailto:service@elationlighting.com) for any needed parts or manuals.

## LIMITED WARRANTY (USA ONLY)

- A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service, send the product only to the Elation Professional factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional shall have no liability what so ever for loss and/or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional factory unless prior written authorization was issued to purchaser by Elation Professional; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual.
- D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect.
- E. Elation Professional reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product.
- G. This warranty is the only written warranty applicable to Elation Professional products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

### WARRANTY RETURNS

All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

# SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts (omega brackets) included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.



**PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.**



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



**ENSURE ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT.**



**DO NOT PLUG FIXTURE INTO A DIMMER PACK!  
NEVER OPEN THIS FIXTURE WHILE IN USE!  
UNPLUG POWER BEFORE SERVICING FIXTURE!  
NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!  
KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!**



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



**MINIMUM DISTANCE TO OBJECTS/SURFACES  
MUST BE 1.6 FEET (0.5 METERS)  
MAXIMUM AMBIENT OPERATING TEMPERATURE 113°F (45°C)  
MINIMUM DISTANCE OF INFLAMMABLE MATERIALS  
FROM THE SURFACE 1.6 FEET (0.5 METER)**

# SAFETY GUIDELINES

**DONOT TOUCH** the fixture housing during operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before serving.

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

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

**DO NOT** block any air ventilation slots.

All fan and air inlets must remain clean and never blocked.

Allow approx. 6" (15cm) between fixture and other devices or a wall for proper cooling.

Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

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

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

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

**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

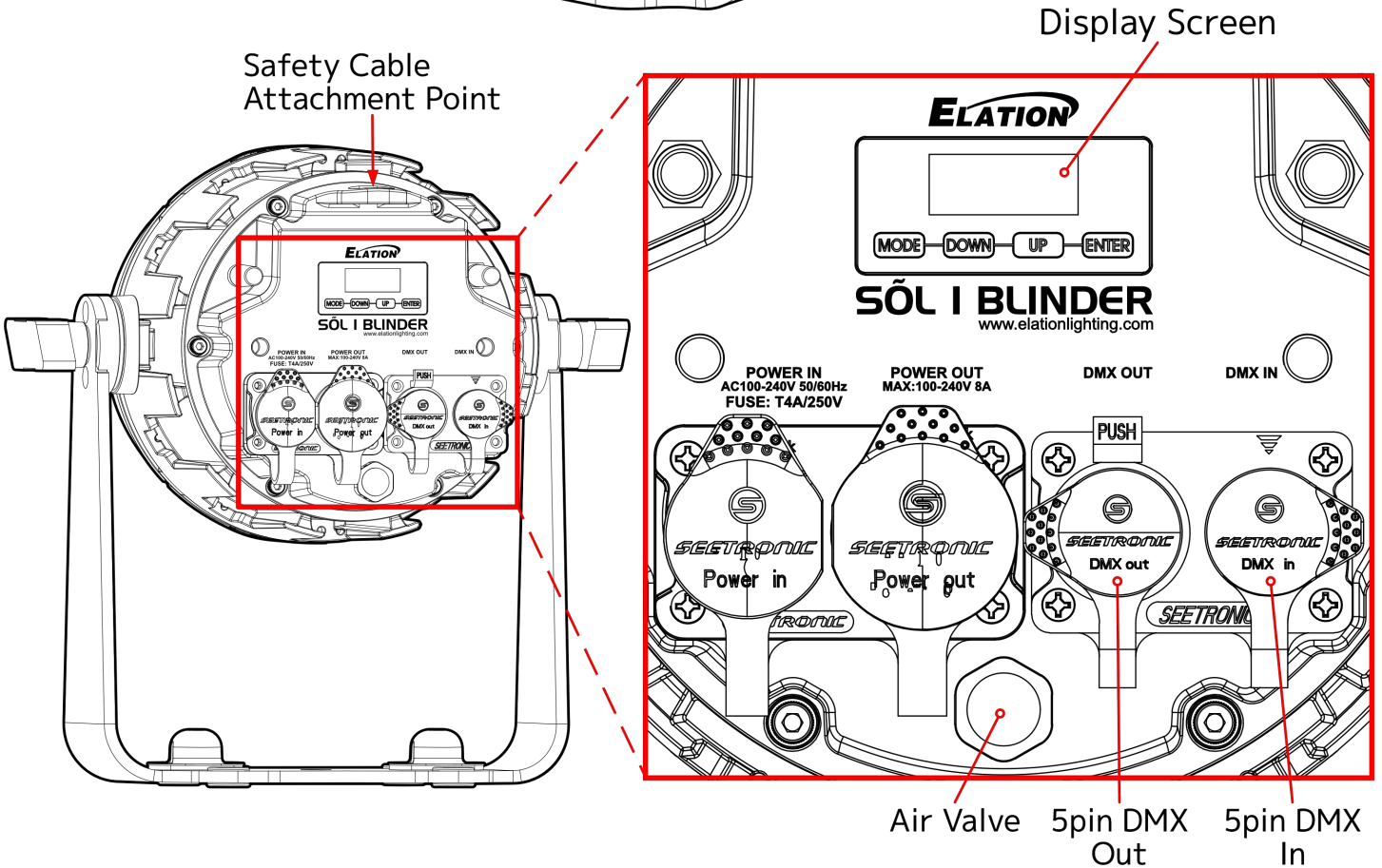
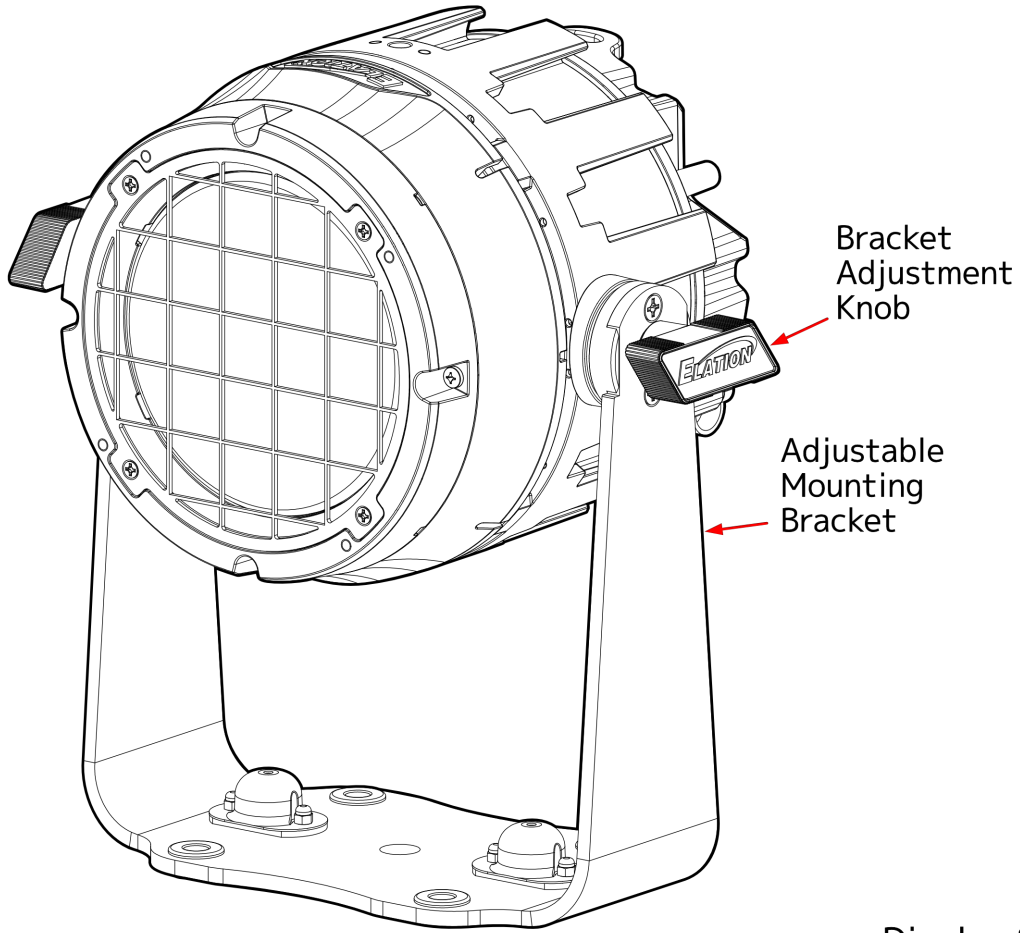
**Wind can pose a significant risk of serious injury or even fatality due to falling fixtures. To mitigate these risks when installing fixtures in areas exposed to wind force, consider the following precautions:**

**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.**

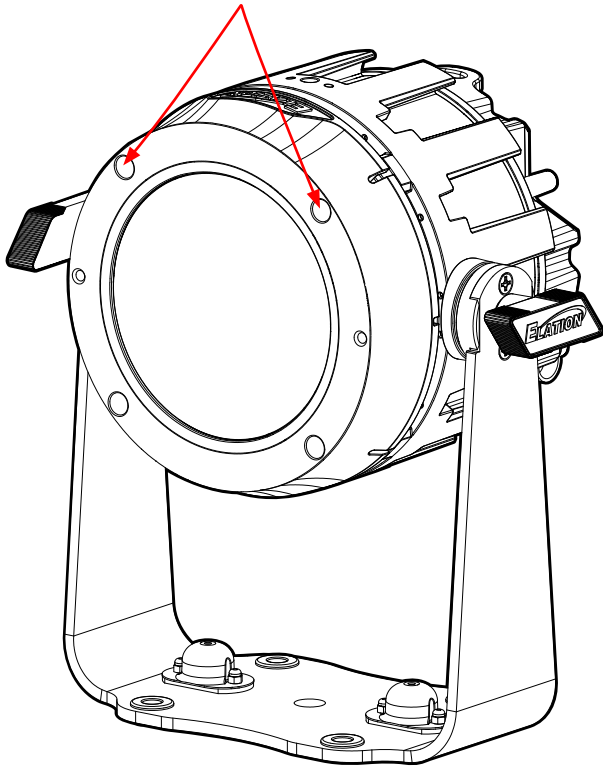
# OVERVIEW



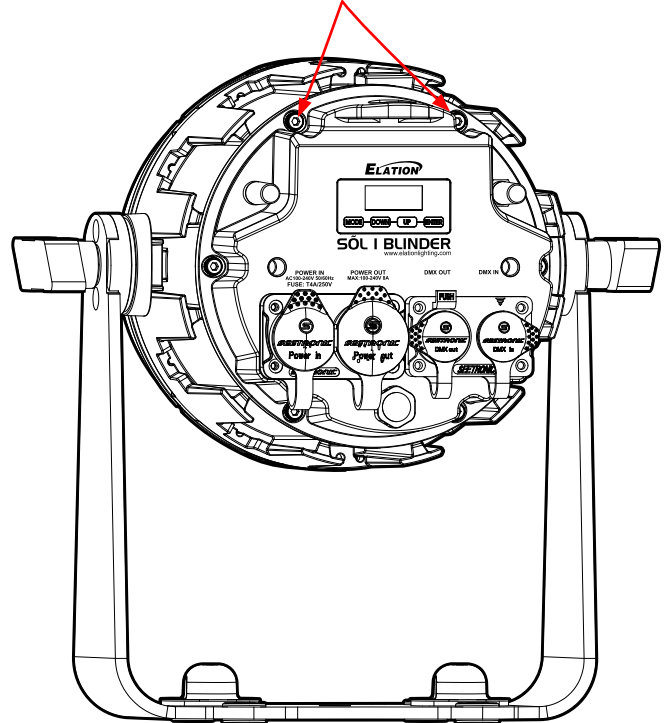


# TORQUE SETTINGS FOR SCREWS

Front Lens Cover  
( $13 \pm 0.5$ /Kgf.cm)



Fixed Rear Cover  
( $13 \pm 0.5$ /Kgf.cm)



**CAUTION! DO NOT OVER TORQUE SCREWS AS THIS CAN CAUSE LEAKAGE ISSUES!  
TO CONFIRM THE IP65 INTEGRITY, TEST FIXTURE USING THE ELATION IP TESTER. CONTACT  
ELATION SERVICE FOR MORE DETAILS.**

# IP TEST PARAMETERS

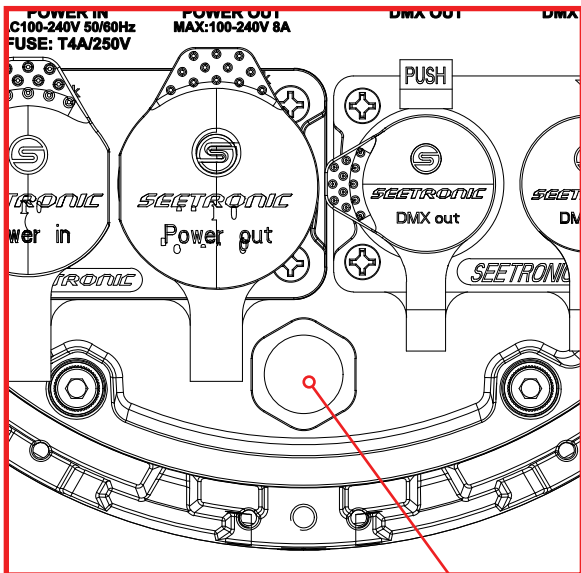
Following any repair or maintenance procedure that requires disassembly of the fixture, use Elation’s IP Tester to confirm the IP integrity of the fixture. The air valve is located on the back panel next to the display screen, as shown in the diagram below. Please contact Elation Service for information 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.

Elation Product	Minimum Value		Maximum Value		Inflation Time	Balance Time	Inspection Time	Leakage
	Kpa	Psi	Kpa	Psi	S	S	S	Pa
Elation SÖL I Blinder	20	3	23	3	30	15	15	<100



Pressure Valve



# INSTALLATION GUIDELINES



## FLAMMABLE MATERIAL WARNING

Keep fixture minimum 5.00feet (1.5m) away from flammable materials and/or pyrotechnics.



## ELECTRICAL CONNECTIONS

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



**USE CAUTION WHEN POWER LINKING OTHER MODEL FIXTURES AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAX POWER OUTPUT ON THIS FIXTURE. CHECK SILK SCREEN FOR MAX AMPS.**



**MINIMUM DISTANCE TO OBJECTS/SURFACES  
MUST BE 1 FOOT (0.3 METERS)**



**MINIMUM DISTANCE OF INFLAMMABLE MATERIALS  
FROM THE SURFACE 1.6 FEET (0.5 METERS)**



**AMBIENT TEMPERATURE RANGE 5° - 113° F (-15°C - 45°C)**



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

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

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

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

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

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

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

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

## POWER LINKING

Max number of SÖL I B units power linked together:

3 units @120V | 6 units @240V



**NOTE: USE CAUTION WHEN POWER LINKING OTHER FIXTURES TO SÖL I BLINDER!  
DO NOT LINK SÖL I BLINDER TO OTHER FIXTURES!  
ALWAYS CHECK MAX AMP OUT RATING PRINTED ON THE REAR CONNECTION PANEL!**

## SOFTWARE UPDATES

For optimal operation, this fixture may require improved software. Compare the software shown during boot-up or in the display menu against the version number indicated at the start of this document.

The SÖL I Blinder can be updated through the DMX cable using the C-Loader device, which can be purchased from Elation Professional.

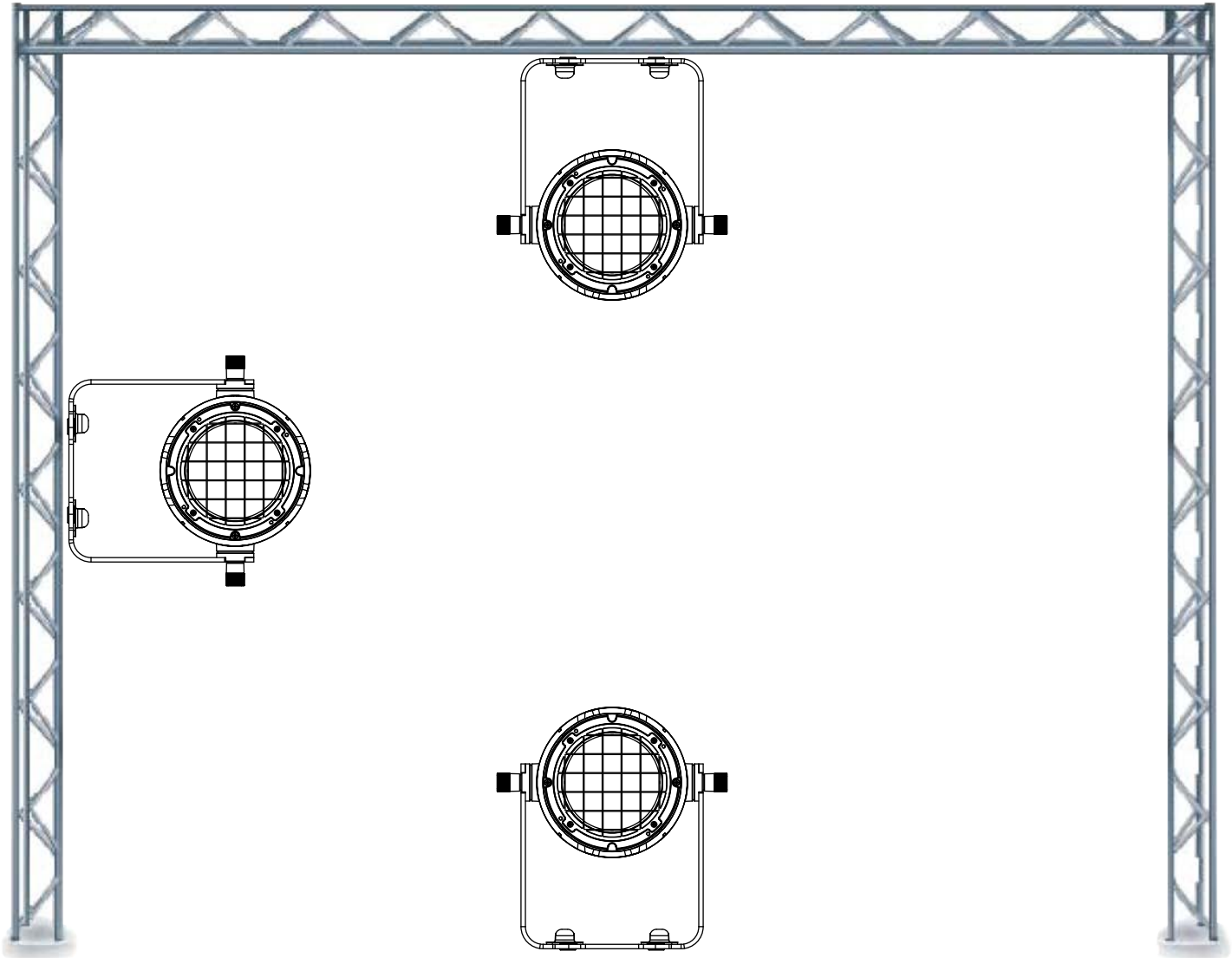
The latest software is available for download from the SÖL I BLINDER product page. Please review and follow the update instruction outlined in the C-Loader user manual.



# INSTALLATION GUIDELINES

## FIXTURE INSTALLATION

The Elation SÖL I BLINDER is fully operational in three different mounting positions, hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 0.2m (7.9in.) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails. Never use the carrying handles for secondary attachment.



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



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

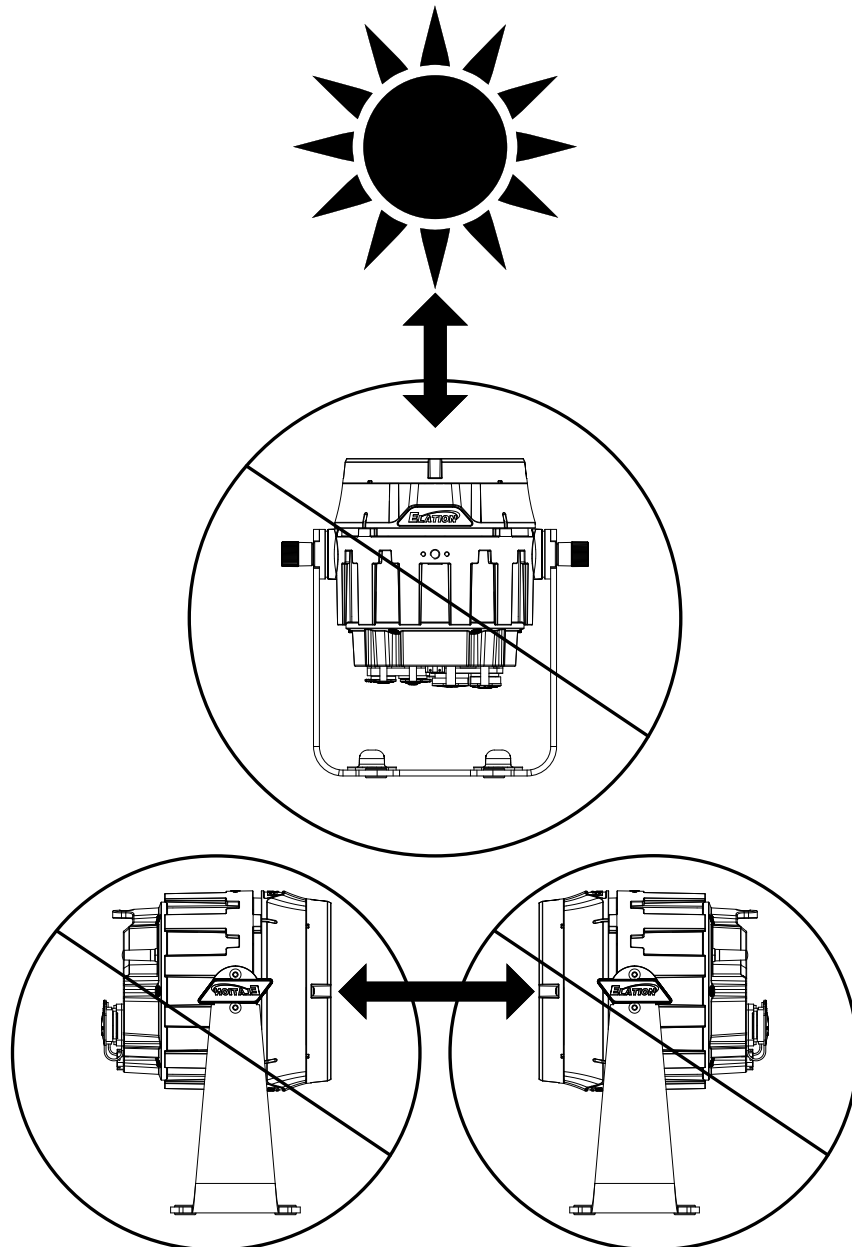
# INSTALLATION GUIDELINES

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

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

This issue is not specific only to ELATION lighting fixtures, it is a common issue with lighting fixtures from all manufacturers. Although there is no true way to fully prevent this issue from happening, the guidelines below can prevent any potential damage from occurring if followed. Contact ELATION Service for more details.

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



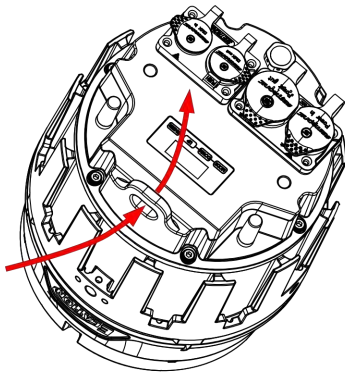
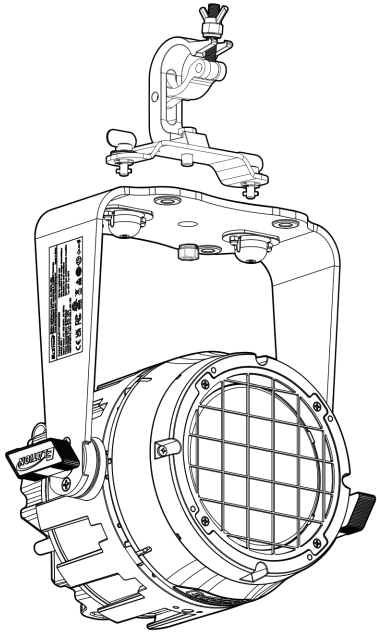
# INSTALLATION GUIDELINES

## 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.

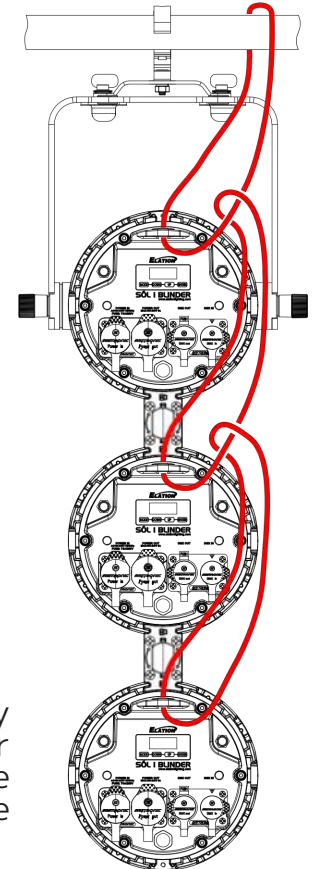
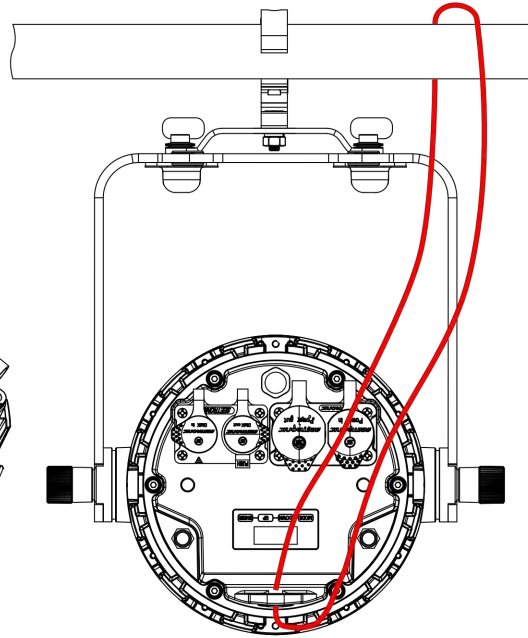
## OMEGA BRACKETS WITH CLAMP INSTALLATION

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



## SAFETY CABLE

**ALWAYS ATTACH 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.

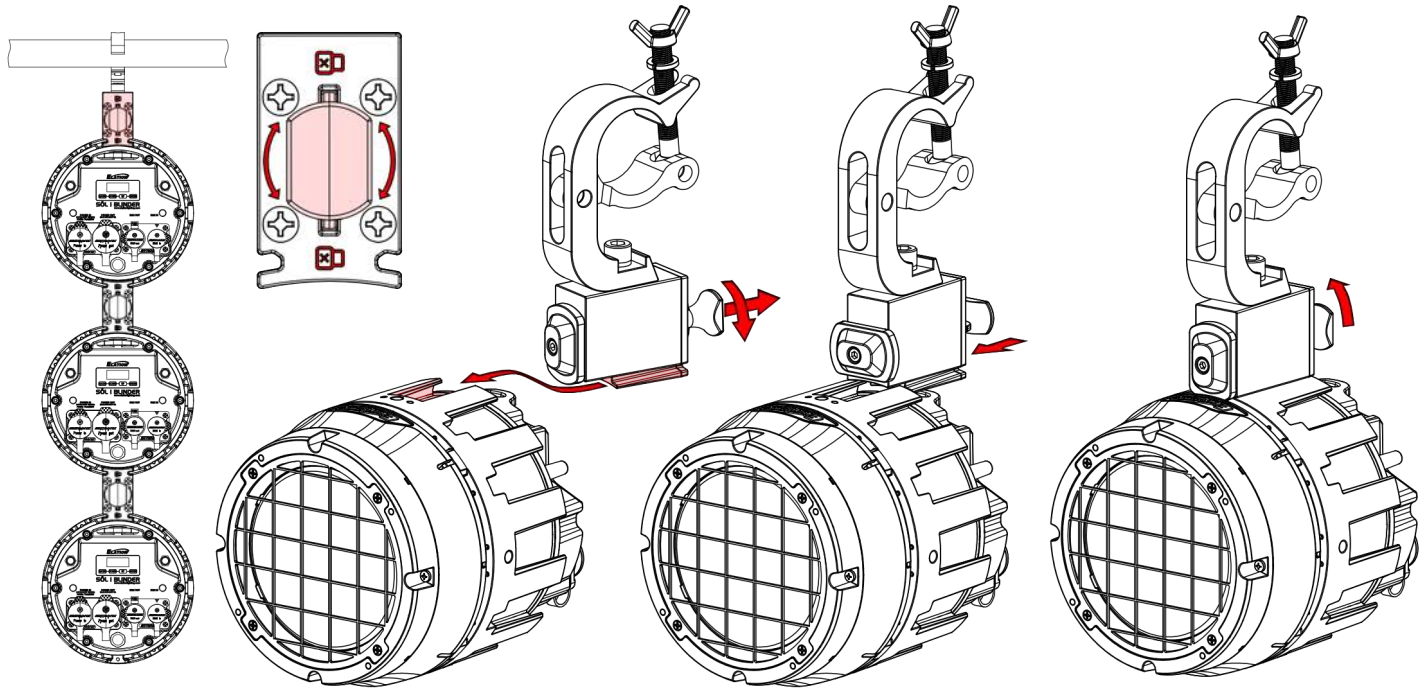
## MOUNTING THE FIXTURE ON A TRUSS USING CLAMPS WITH OMEGA BRACKETS

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** (not included). Be sure to use the designated rigging points for the safety cable and never secure a safety cable to a carrying handle.

# INSTALLATION GUIDELINES

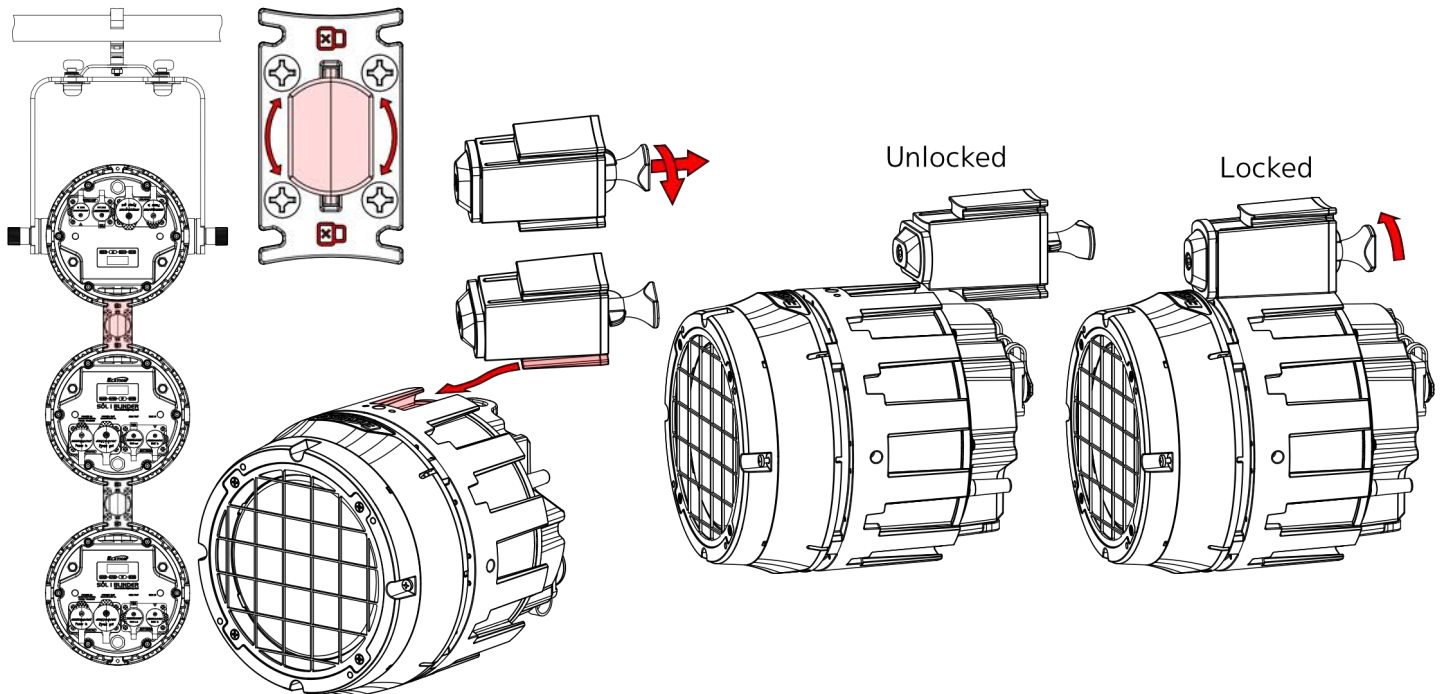
## M10 CONNECT ADAPTER

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 IkkM10 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 15 SOL I Blinders can be arranged in a single vertical array.

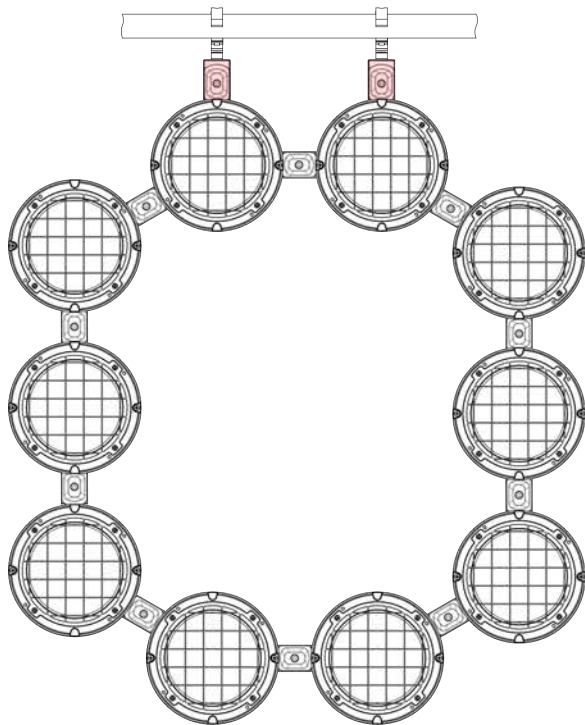
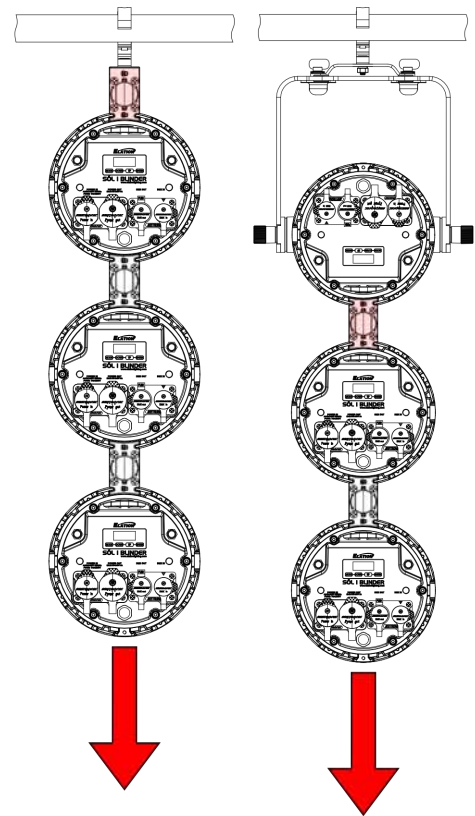
In contrast, the **M10 Connect** (depicted on the left) offers a higher vertical suspension limit of 120lbs (54.4kg), also encompassing all accessories, cables, and rigging hardware attached to the fixture array.

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 Blinders, 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.



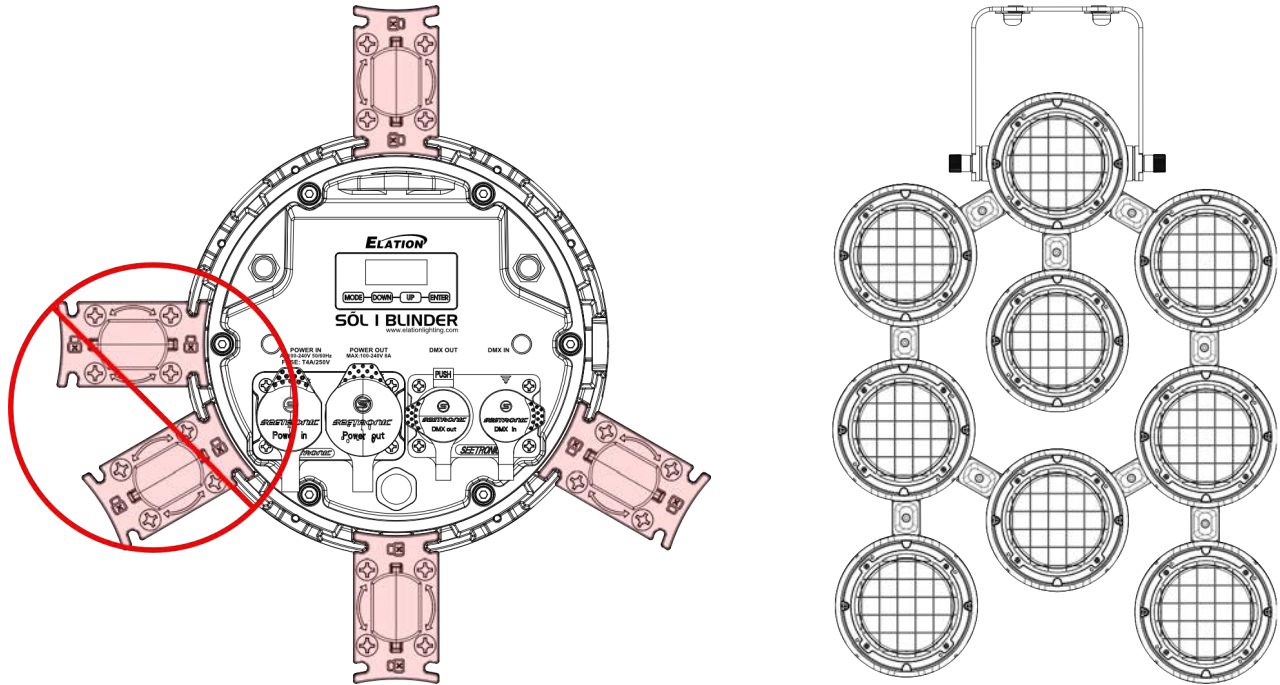
**ATTENTION!** It is crucial to ensure that any arrangement consisting of multiple interconnected fixtures, whether in a vertical, horizontal, or shaped configuration, is securely and properly supported and fixed to prevent any movement that may arise from lateral forces, such as wind or physical contact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

# INSTALLATION GUIDELINES

## DESIGN CONFIGURATIONS

The connector grooves on the Sol I Blinder 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.**

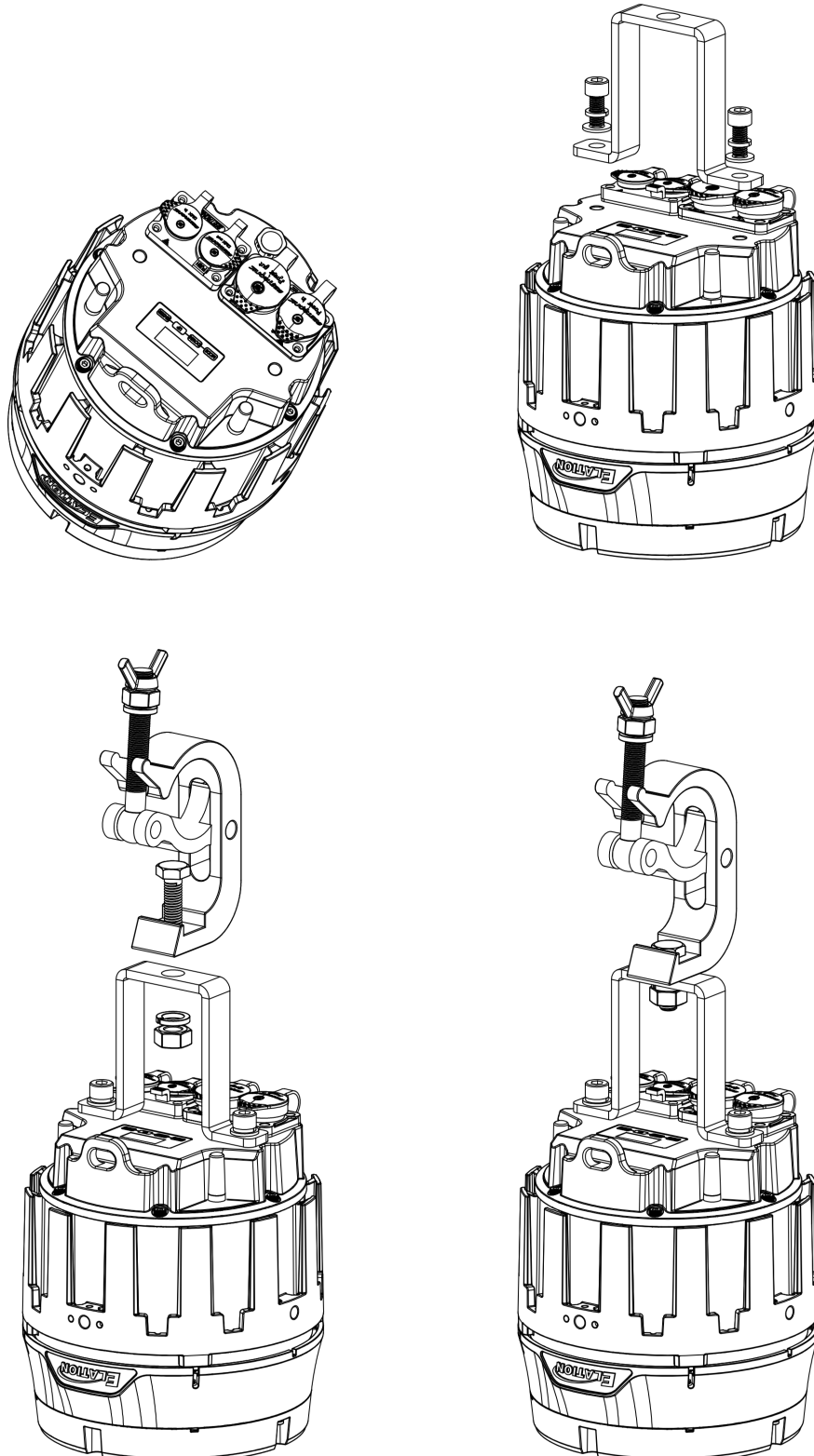


**ATTENTION!** It is crucial to ensure that any arrangement consisting of multiple interconnected fixtures, whether in a vertical, horizontal, or shaped configuration, is securely and properly supported and fixed to prevent any movement that may arise from lateral forces, such as wind or physical contact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

# INSTALLATION GUIDELINES

## REAR MOUNT BRACKET WITH TRUSS CLAMP

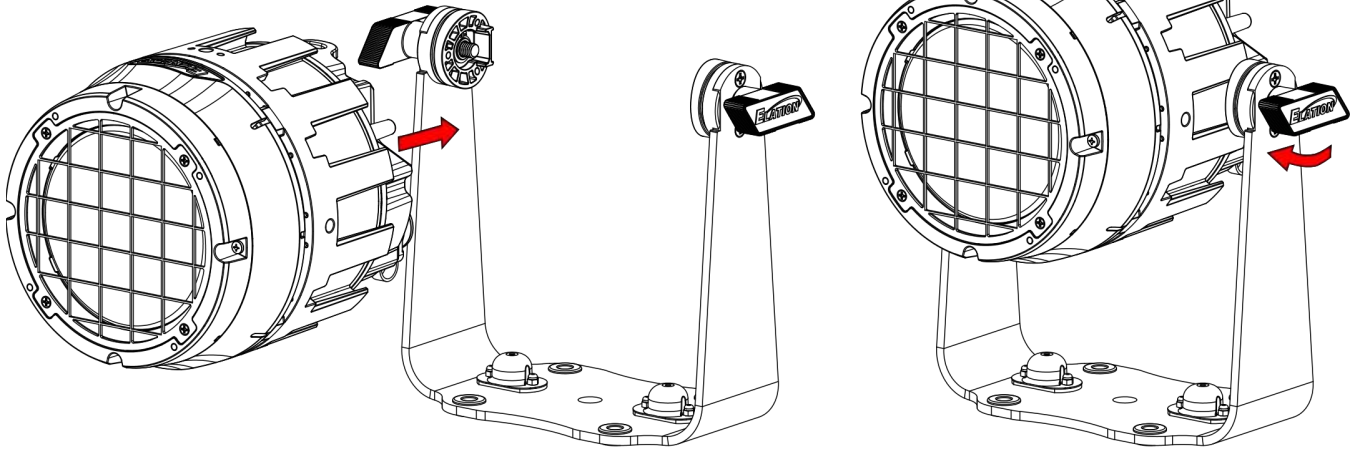
A truss clamp can be attached to the SOL I Blinder via a Rear Mount Bracket (not included), which is bolted directly to the rear panel as shown. The Rear Mount Bracket offers two usage options: hanging orientation or with a truss clamp. For a pendant mount orientation, the maximum suspension limit is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



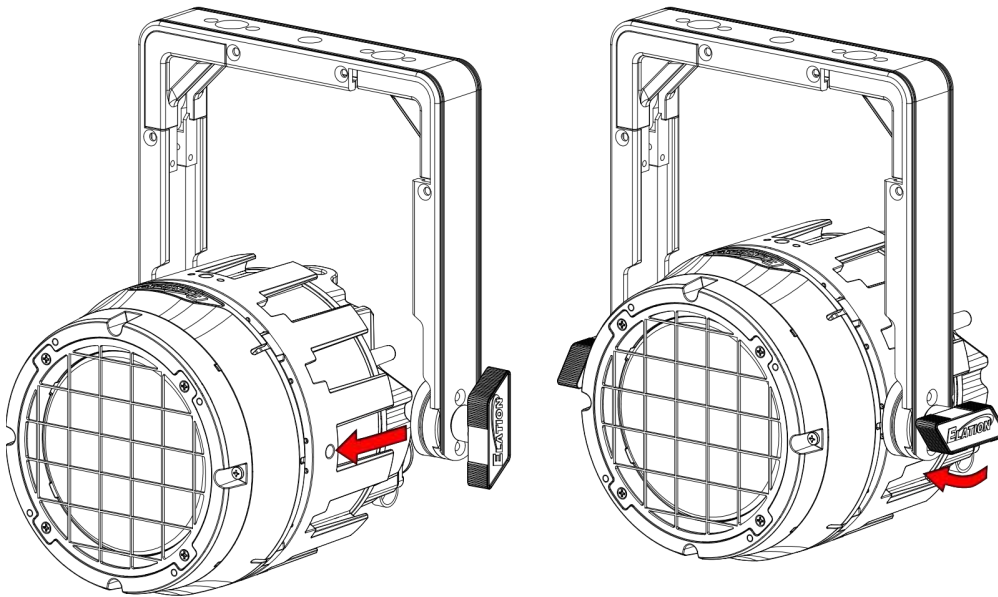
# ACCESSORY INSTALLATION

## FLOOR STAND YOKE (INCLUDED)

The Floor Stand/Yoke can support a maximum vertical load of 60 lbs (27.22 kg), or 9 SOL I Blinders without any additional accessories. In any other orientation, its maximum load limit is 18 lbs (8.16 kg).



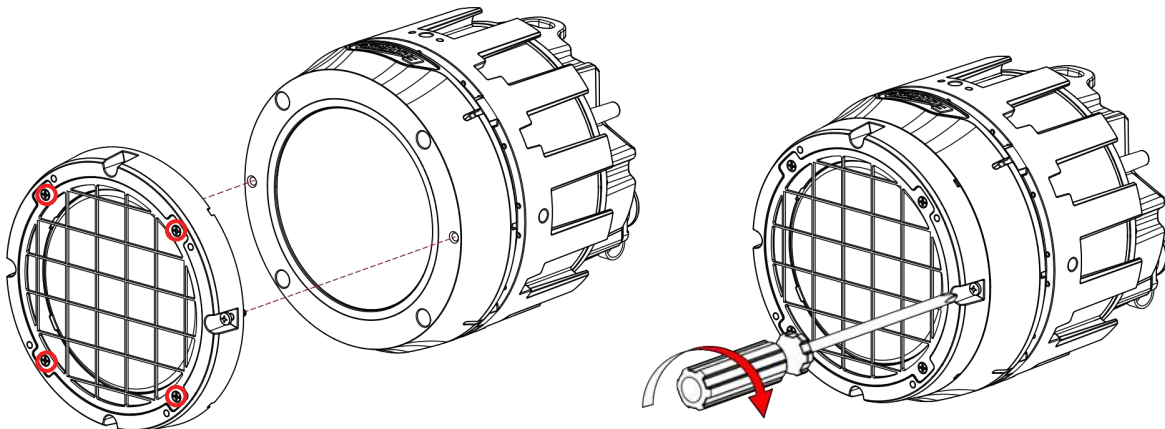
## HEAVY DUTY YOKE (OPTIONAL)



The Heavy Duty Yoke offers a maximum load limit of 120lbs (54.4 kg) in all orientations, allowing for the suspension of up to 18 SOL I Blinders without additional accessories.

## COMPOUND LENS (INCLUDED)

Note: The grid attached to the compound lens is purely for aesthetic purposes and can be removed if desired by removing 4x screws.

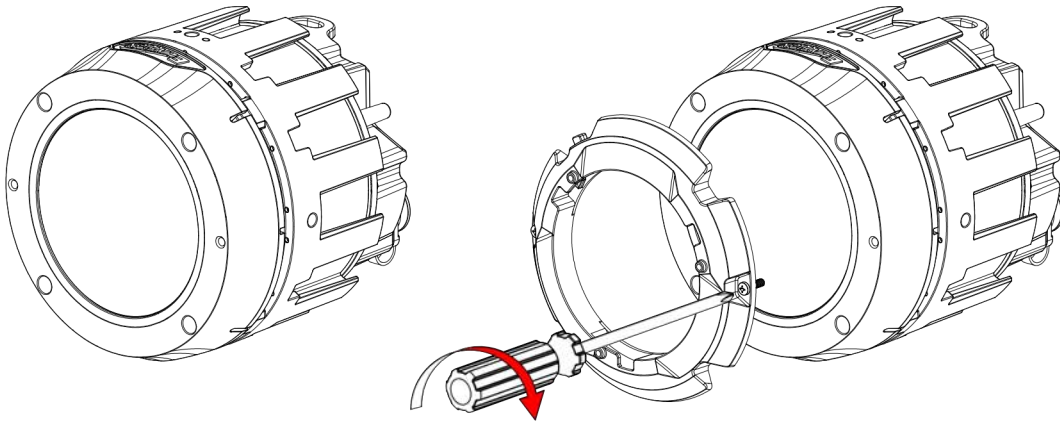




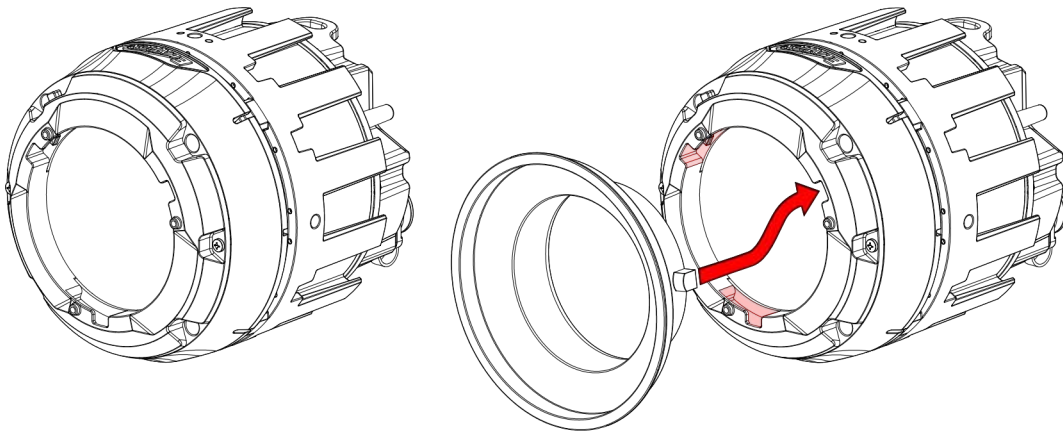
# ACCESSORY INSTALLATION

## BOWENS ADAPTER & ACCESSORY CONNECTOR (OPTIONAL)

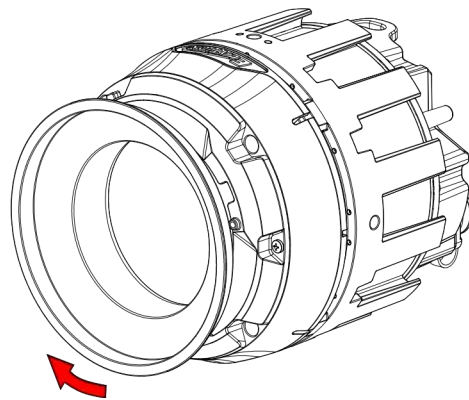
1. Align the 3x holes on the Bowens Adapter with the Fixture and secure it with (3x) Phillips head screws



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.

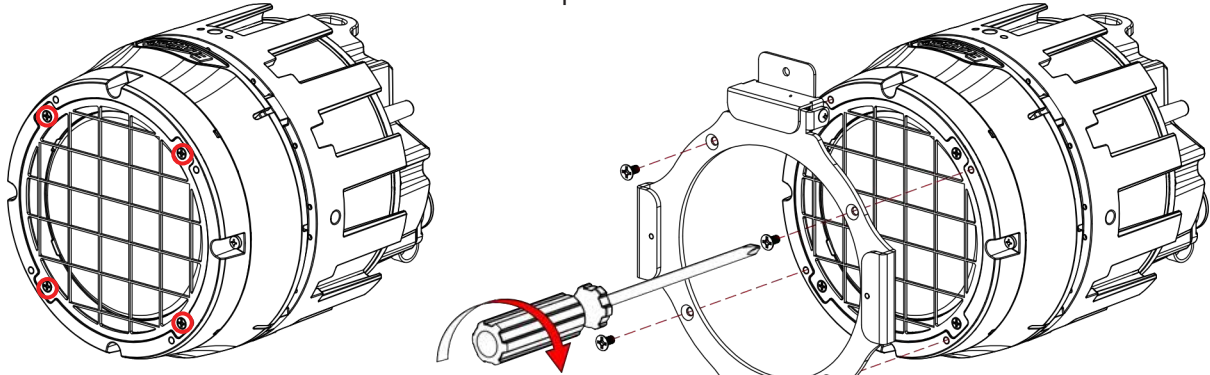


# ACCESSORY INSTALLATION

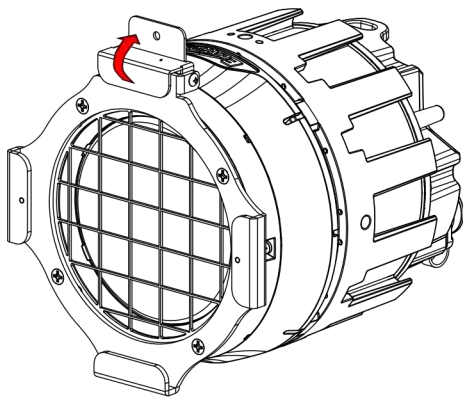
## GEL FRAME HOLDER KIT (OPTIONAL)

Note: The grid attached to the compound lens is purely for aesthetic purposes and can be removed if desired by removing 4x screws.

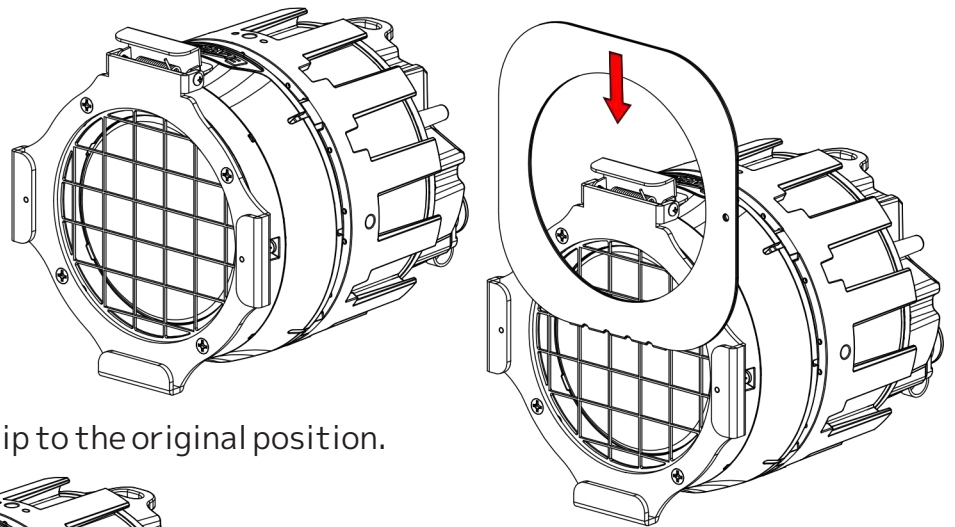
1. Align the 4x holes on the Gel Frame Holder with the face of the Optical Front Cover, and secure it with 4x Phillips head screws



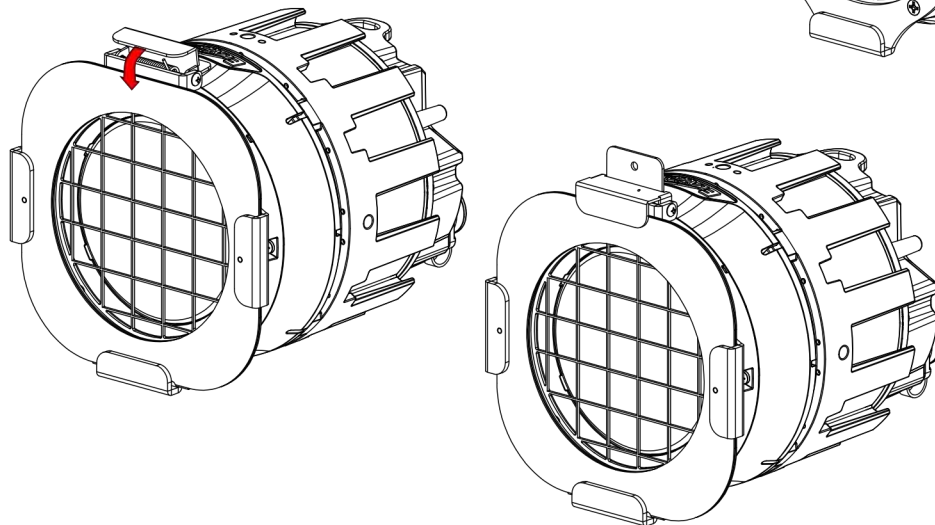
2. Lift the retaining clip located near the top of the Gel Frame Holder.



3. Slide the Gel Frame into place.

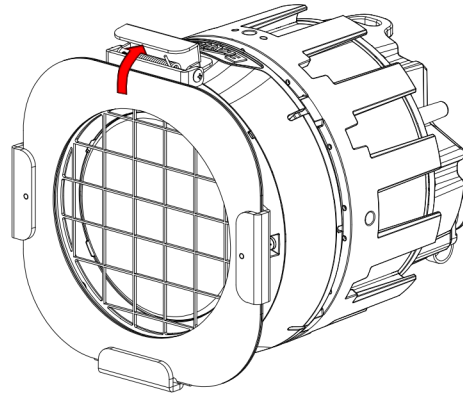


4. Return the retaining clip to the original position.

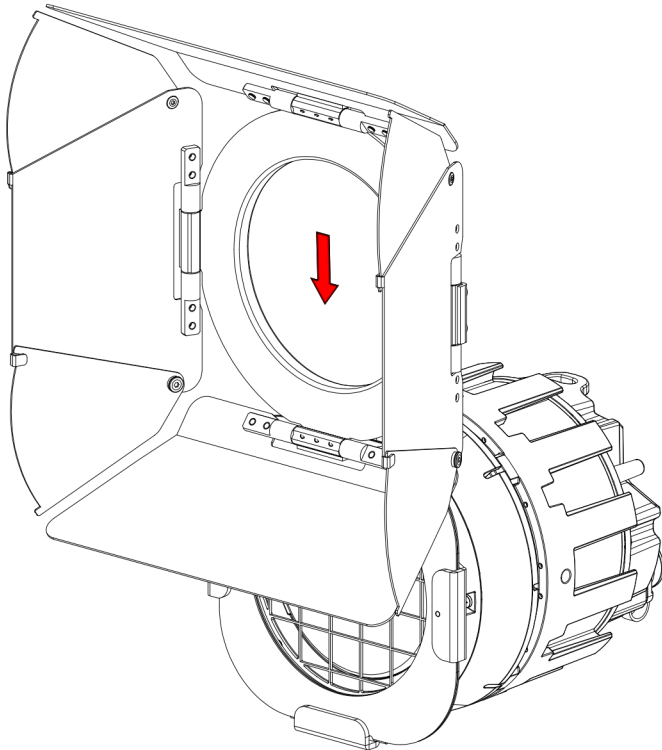


# ACCESSORY INSTALLATION

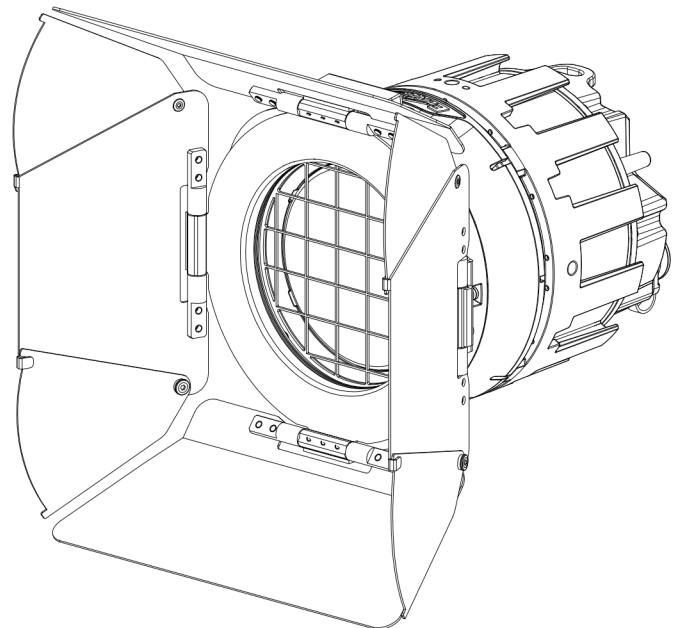
## BARNDOOR (OPTIONAL)



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.

# 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, and allows the DMX systems of the fixtures to be modified and monitored remotely. This protocol is ideal for instances in which a unit is installed in a location that is not easily accessible.

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

## FIXTURE RDM INFORMATION:

Device ID	Device Model ID	RDM Code	Personality ID
0000-FFFF	60	22A6	1CH Dimmer 2CH Dimmer & CCT 3CH Dimmer/Strobe/CCT 4CH IRGB 6CH Raw Color 7CH Dimmer/CCT/Color Picker 13CH Standard 21CH Extended 10CH RGB Standard 15CH RGB Extended 10CH CMY 15CH CMY Extended

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

The following parameters are accessible in RDM on this device:

[0x1031] Preset Playback	[0x0400] Device Hours
[0x0122] Default Slot Value	[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	[0x0401] Lamp Hours
[0x0030] Status Messages	[0x0402] Lamp Strikes
[0x0011] Proxied Device Count	[0x0403] Lamp State
[0x0200] Sensor Definition	[0x0404] Lamp Mode
[0x0201] Sensor Value	[0x0405] Device Power Cycles
[0x0080] Device Model Description	[0x0500] Display Invert
[0x0081] Manufacturer Label	[0x0501] Display Level
[0x0082] Device Label	[0x0603] Realtime Clock
[0x00E0] DMX Personality	[0x1010] Power State
[0x00E1] DMX Personality Description	[0x0020] Queued Message

# COLOURTUNE TECHNOLOGY

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

## COLOR TUNING

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

## OUTPUT BALANCE

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

## 16-BIT CCT CONTROL

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

## DIM TO WARM

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

## WHITE POINT ADJUSTMENT

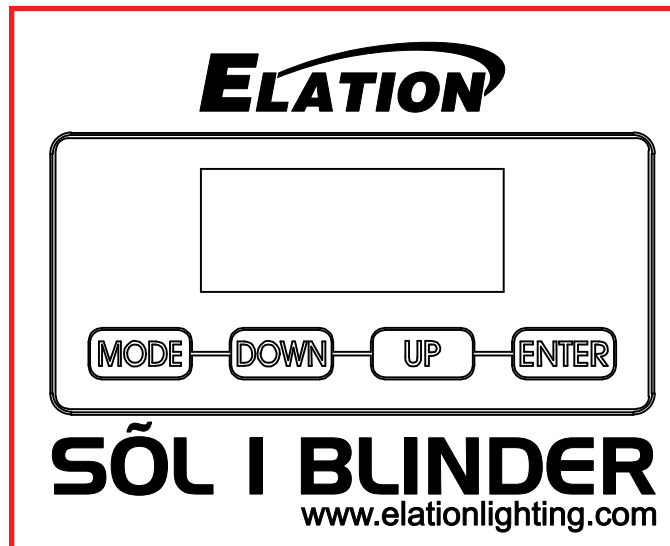
The White Point Adjustment feature allows users to set a desired CCT value, and then mix color from that white set point. This color can be mixed manually through adjusting the primary color channels, or by selecting a color in the virtual swatch book.

## VIRTUAL SWATCH BOOK FADE

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

# SYSTEM MENU

The fixture includes an easy to navigate system menu. The control panel display is located on the rear panel of the fixture (see image below) and provides access to the main system menu, where all necessary system adjustments are made to the fixture. During normal operation, press the **MODE** button once to access the main menu of the fixture. Once in the main menu, use the **DOWN** and **UP** buttons to navigate through the different functions and access the sub-menus. Once you reach a field that requires adjusting, press the **ENTER** button to activate that field, and use the **DOWN** and **UP** buttons to adjust the field. Press the **ENTER** button once more to confirm the setting. Exit the main menu at any time without making any adjustments by pressing the **MODE** button.



**AN ELATION C-LOADER II CAN BE USED TO UPDATE THE FIXTURE TO THE LATEST SOFTWARE. TO ORDER THIS DEVICE, PLEASE CONTACT ELATION SUPPORT FOR FURTHER DETAILS.**

**ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST  
323-582-3322 | Fax 323-832-9142 | support@elationlighting.com**

**ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET  
+31 45 546 85 63 | Fax +31 45 546 85 96 | support@elationlighting.eu**



# SYSTEM MENU

MAIN MENU		OPTIONS / VALUES (Default Settings in <b>BOLD</b> )	
<b>DMX</b>	DMX Address	<b>001</b> - 512	
	DMX Mode	<b>1CH Dimmer</b>	
		2CH Dimmer & CCT	
		3CH Dim/Strb/CCT	
		4CH IRGB	
		6CH Raw Color	
		7CH Dim/CCT/Clr	
		13CH Standard	
		21CH Extended	
		10CH RGB	
		15CH RGB Extend	
		10CH CMY	
		15CH CMY Extend	
	No DMX Status	<b>Hold Last</b>	
		Fade to Black	
		Standalone	
Protocol	Select Signal	<b>DMX</b> / Aria In-DMX Out / DMX In - Aria Out	
Aria	Aria Channel	<b>0</b> -14	
<b>Array Mode</b>	Fixture ID ( <b>MAIN</b> , Copy Main, 2, 3, 4...)	<b>(Main Fixture Settings Only)</b>	
		DMX Start Address	001 - 512
		<b>1CH Dimmer</b>	
		2CH Dimmer & CCT	
		3CH Dim/Strb/CCT	
		4CH IRGB	
		6CH Raw Color	
		7CH Dim/CCT/Clr	
		13CH Standard	
		21CH Extended	
		10CH RGB	
		15CH RGB Extend	
		10CH CMY	
15CH CMY Extend			
<b>Control</b>	Dimmer	000% - <b>100%</b>	
	Manual Color	Red	0 - <b>255</b>
		Green	0 - <b>255</b>
		Blue	0 - <b>255</b>
		Lime	0 - <b>255</b>
		Amber	0 - <b>255</b>
		White	0 - <b>255</b>
		CCT	1800K - 8500 (Default = <b>6000K</b> )
		Green Shift	-100% ~ +100% (Default = 0)
	Virtual Color	See <b>Color Macro</b>	
	Primary	On / <b>Off</b>	
	Secondary	On / <b>Off</b>	
	Self Test	All	
		Dimmer	
		Color	

# SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in <b>BOLD</b> )		
<b>Settings</b>	Output Mode	<b>Blinder Output</b>	
		Constant Output	
	Dim Modes	<b>Standard</b>	
		Stage	
		TV	
		Architectural	
		Theatre	
		Stage 2	
	Dim to Warm	<b>On</b> / Off	
	Dim Curves	Linear	
		Square	
		Square Inverse	
		S-Curve	
	LED Refresh Rate	900Hz - 1500Hz ( <b>1200Hz</b> ), 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10KHz, 15KHz, 20KHz, 25KHz	
	Color Tuning	Highest Fidelity	
		Balanced Output and Fidelity	
	Output Balance	<b>Highest Output</b>	
		<b>Bright (Highest Output)</b> Uniform (Elation Full Spectrum Match)	
LED Power Limit	50%		
	60%		
	70%		
	80%		
	90%		
	<b>100%</b>		
Display	Screen Delay	10s - 5min (Default = <b>1 min</b> )	
	Screen Lock	<b>Off</b> , 10s - 5 min	
	Rotate Display	Yes / <b>No</b> / Auto	
Reset Defaults	Yes / <b>No</b>		
<b>Information</b>	Time	Current Run Time	
		Total Run Time	
		Last Run Time	
	Temperature	Current	
		Max Resettable	
	DMX Values	Red	
		Green	
...			
Product IDs	RDM UID		
Error Logs	Fixture Errors		
Software Version	Vx.x		
<b>Service</b> (Passcode = 050)	Calibration	Red 000 - 255	
		Green 000 - 255	
		Blue 000 - 255	
		Lime 000 - 255	
		Amber 000 - 255	
		White 000 - 255	
	Reset Last Run	Yes / No	
Reset Error Logs	Yes / No		



# SYSTEM MENU - OUTPUT MODE OPTIONS

## **Blinder Output (Default)**

In Blinder Output mode, the fixture operates at its maximum possible output while ensuring a safe operating temperature. This mode is designed for typical blinder applications, where short, bright bursts of light are desired.

## **Constant Output Mode**

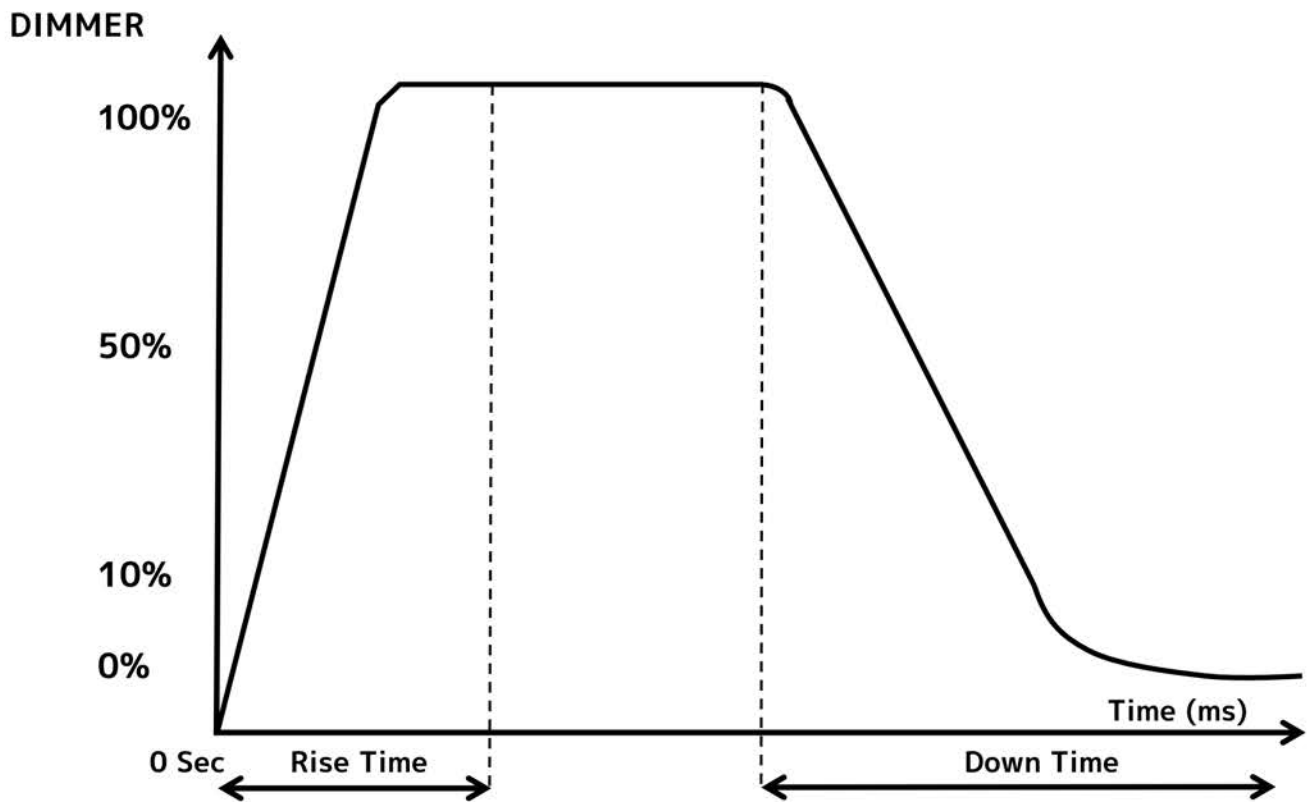
In Constant Output mode, the fixture runs at a reduced output level and power draw to provide a consistent illumination level for continuous use. This mode is ideal for applications that require a steady light output over an extended period.

## **Array Mode**

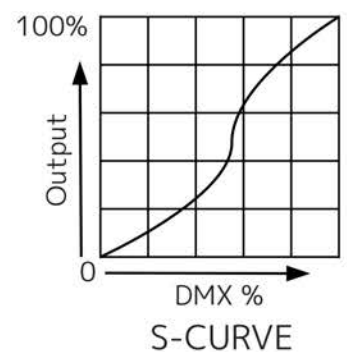
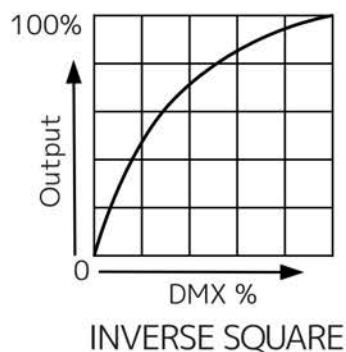
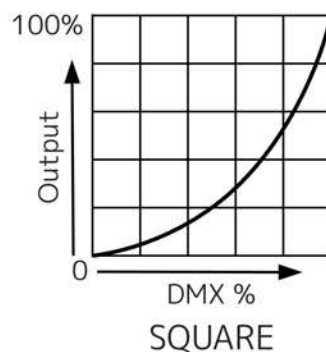
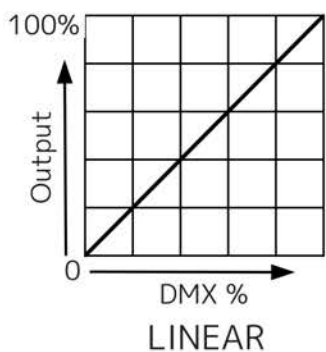
To set up the Array Mode, follow these steps:

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. Change all desired settings and options on the Main device.
5. Navigate to the Array Mode settings in the Main device's menu.
6. Set the Main device's ID to 'Main.'
7. Set the desired DMX start address and DMX Mode.
8. To set each connected fixture, enter the Array Mode settings on the device.
9. Select either the 'Copy Main' option or the specific unit number you want to apply to the device in the 'Fixture ID' section.
10. Once an ID is selected, the fixture's DMX address and other settings will be automatically applied. If the 'Copy Main' option is chosen, the device will have the same DMX address as the Main fixture. If numbered 'Fixture IDs' are chosen, the appropriate offset DMX address will be applied, depending on the chosen DMX Mode.
11. After all fixtures have been set, reconnect the DMX input.

# DIMMER MODE CURVES & GRAPHS



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



# DMX TRAITS

Dim. 1CH	Dim. & CCT 2CH	Dim Strobe CCT 3CH	IRGB 4CH	Raw Color 6CH	Dim./ CCT/ Color Picker 7CH	Std. 13CH	Ext. 21CH	RGB 10CH	RGB Ext. 15CH	CMY 10CH	CMY Ext. 15CH	DMX Values	Function	Snap	Default Value
1	1	1	1		1	1	1	1	1	1	1	0-255	<b>Dimmer</b> Intensity 0 → 100%		0
					2	2	2	2	2	2	2	0-255	<b>Dimmer Fine</b> Fine Intensity Control		0
		2			3	3	3	3	3	3	3		<b>Shutter/Strobe</b>		50
												0-31	Shutter closed		
												32-63	No function (shutter open)		
												64-95	Strobe effect slow to fast		
												96-127	No function (shutter open)		
												128-159	Pulse-effect in sequences		
												160-191	No function (shutter open)		
												192-223	Random strobe effect slow to fast		
													No function (shutter open)		
			2	1		4	4	4	4			0-255	<b>Red</b> 0 → 100%		0
							5		5			0-255	<b>Red Fine</b> Fine Adjustment		0
			3	2		5	6	5	6			0-255	<b>Green</b> 0 → 100%		0
							7		7			0-255	<b>Green Fine</b> Fine Adjustment		0
			4	3		6	8	6	8			0-255	<b>Blue</b> 0 → 100%		0
							9		9			0-255	<b>Blue Fine</b> Fine Adjustment		0
				4		7	10					0-255	<b>Lime</b> 0 → 100%		0
							11					0-255	<b>Lime Fine</b> Fine Adjustment		0
				5		8	12					0-255	<b>Amber</b> 0 → 100%		0
							13					0-255	<b>Amber Fine</b> Fine Adjustment		0
				6		9	14					0-255	<b>White</b> 0 → 100%		0
							15					0-255	<b>White Fine</b> Fine Adjustment		0
										4	4	0-255	<b>Cyan</b> 0 → 100%		0
											5	0-255	<b>Cyan Fine</b> Fine Adjustment		0
										5	6	0-255	<b>Magenta</b> 0 → 100%		0
											7	0-255	<b>Magenta Fine</b> Fine Adjustment		0
										6	8	0-255	<b>Yellow</b> 0 → 100%		0
											9	0-255	<b>Yellow Fine</b> Fine Adjustment		0

# DMX TRAITS

Dim. 1CH	Dim. & CCT 2CH	Dim Strobe CCT 3CH	IRGB 4CH	Raw Color 6CH	Dim./ CCT/ Color Picker 7CH	Std. 13CH	Ext. 21CH	RGB 10CH	RGB Ext. 15CH	CMY 10CH	CMY Ext. 15CH	DMX Values	Function	Snap	Default Value
	2	3			4	10		7		7			<b>CCT Presets</b>		
												0-17	Open	X	0
												18-85	1800K → 8500K (See Sheet)		
												86-255	8500K		
							16		10		10		<b>Variable CCT</b>		0
												0-17	Open		
												18-255	1800K → 8500K		
							17		11		11	0-255	<b>Variable CCT Fine</b>		0
													Fine Adjustment		
													<b>Green Shift</b>		
					5	11	18	8	12	8	12	0	Idle		0
												1-127	Full Minus Green to Neutral		
												128	Neutral White		
												129-255	Neutral to Full Plus Green		
													<b>Color</b>		
												0	Open		
												1-179	Virtual Swatch Book (See Table)		
													<b>Color Scroll</b>		
												180-201	Clockwise Fast → Slow		
												202-207	Stop		
												208-229	Counter-clockwise Slow → Fast		0
												230-234	Open		
													<b>Random Slots</b>		
												235-239	Fast		
												240-244	Medium		
												245-249	Slow		
												250-255	Open		
													<b>Dim Modes</b>		
												0-20	Standard		
												21-40	Stage		
												41-60	TV		
												61-80	Architectural		
												81-100	Theatre		
												101-120	Stage 2		
													<b>Dimmer Delay Time</b>		
												121	0s		
												122	0.1s		
												123	0.2s		
												124	0.3s		
												125	0.4s		
												126	0.5s		
												127	0.6s		
												128	0.7s		
							20					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		
													<b>Dim to Warm</b>		
												150-154	DTW On		
												155-159	DTW Off		
												160-255	Idle		

# DMX TRAITS

Dim. 1CH	Dim. & CCT 2CH	Dim Strobe CCT 3CH	IRGB 4CH	Raw Color 6CH	Dim./CCT/Color Picker 7CH	Std. 13CH	Ext. 21CH	RGB 10CH	RGB Ext. 15CH	CMY 10CH	CMY Ext. 15CH	DMX Values	Function	Snap	Default Value
													<b>Control</b>		
												0-24	Idle		
												25-34	Blinder Output Mode		
												35-44	Constant Output Mode		
												45-99	Idle		
													<b>Refresh Rate (Hz)</b>		
												100	900		
												101	910		
												102	920		
												103	930		
												104	940		
												105	950		
												106	960		
												107	970		
												108	980		
												109	990		
												110	1000		
												111	1010		
												112	1020		
												113	1030		
												114	1040		
												115	1050		
					7	13	21	10	15	10	15	116	1060	X	0
												117	1070		
												118	1080		
												119	1090		
												120	1100		
												121	1110		
												122	1120		
												123	1130		
												124	1140		
												125	1150		
												126	1160		
												127	1170		
												128	1180		
												129	1190		
												130	1200		
												131	1210		
												132	1220		
												133	1230		
												134	1240		
												135	1250		
												136	1260		
												137	1270		
												138	1280		
												139	1290		

# DMX TRAITS

Dim. 1CH	Dim. & CCT 2CH	Dim Strobe CCT 3CH	IRGB 4CH	Raw Color 6CH	Dim./ CCT/ Color Picker 7CH	Std. 13CH	Ext. 21CH	RGB 10CH	RGB Ext. 15CH	CMY 10CH	CMY Ext. 15CH	DMX Values	Function	Snap	Default Value
												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		
												156	1460		
												157	1470		
												158	1480		
												159	1490		
												160	1500		
					7	13	21	10	15	10	15	161	2500		
												162	4000	X	0
												163	5000		
												164	6000		
												165	10000		
												166	15000		
												167	20000		
												168	25000		
												169-172	Idle		
													<b>Color Tuning</b>		
												175-176	Highest Fidelity		
												177-178	Balanced Output and Fidelity		
												179-180	Highest Output (Default)		
													<b>Output Balance</b>		
												181-182	Bright (Highest Output)		
												183-184	Uniform (Elation Full Spectrum Match)		
												185-200	Idle		
													<b>Dimmer Curves</b>		
												201-210	Dimmer Curve: Linear (Default)		
												211-220	Dimmer Curve: Square		
												221-230	Dimmer Curve: Inverse Square		
												231-240	Dimmer Curve: S-Curve		
												241-255	Idle		

# COLOR TEMPERATURE

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

To calculate the CCT value in 16-bit mode, use the following formula:

$$\mathbf{16Bit\ Value = 60927 \times (Desired\ CCT - 1800) / 6700 + 4608}$$

# VIRTUAL COLORS

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



# ERROR CODES

Error Codes subject to change without notice	
ERROR CODES	DESCRIPTION
Temp Error	This message appears when there is a heating error.

# MAINTENANCE GUIDELINES



**DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!**

## CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.

**NEVER** use alcohol, solvents, or ammonia-based cleaners.

## MAINTENANCE

Regular inspections are recommended to insure proper function and extended life.

There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from an authorized Elation dealer.

Please refer to the following points during routine inspections:

A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.

Be sure all screws and fasteners are securely tightened at all times. 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.

# SPECIFICATIONS

## SOURCE

- 250W RGBLAW LED
- 30,000 Hour Average LED Life\*

\*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 (Full ON)

- Total Lumen Output
- 9128 (Integrating Sphere)
- CRI TBA

## COMPOUND LENS

- Beam Angle: 46°
- Field Angle: 85°

## NO LENS

- Beam Angle: 52°
- Field Angle: 95°

## EFFECTS

- Variable Strobe Rate: 1- 20kHz
- Dim-to-Warm/ Red Shift Emulation
- Variable 16-bit Dimming Modes and Curves
- High Output Blinder Mode or Constant Output Mode Options

## COLOR

- RGBLAW Color Array
- CMY Emulation
- Variable CCT 1800K - 8500K
- Virtual Gel Swatch Book

## CONTROL / CONNECTIONS

- 12 DMX Channel Modes (1ch, 2ch, 3ch, 4ch, 6ch, 7ch, 13ch, 21ch, 10ch, 15ch, 10ch & 15ch)
- Simple 'Array Mode' Addressing System
- Manual and DMX Controlled Dimmer and Color
- 4 Button Control Panel, LED Display
- Aria x2 Wireless Device Management
- RDM (Remote Device Management)
- 5pin DMX and IP65 Locking Power Cable In/Out

## SIZE / WEIGHT (Without Accessories)

- Length: 7.28" (185mm)
- Width: 4.48" (114mm)
- Vertical Height: 4.48" (114mm)
- Weight (Fixture Only): 5.5 lbs (2.9 kg)
- Weight (With Floor Stand/Yoke): 9.25 lbs (4.2 kg)

## ELECTRICAL / THERMAL

- AC 100-240V - 50/60Hz
- 285W Max Power Consumption
- 5°F to 113°F (-15°C to 45°C)
- BTU/hr (+/- 10%) 972

## INCLUDED ITEMS

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

## OPTIONAL ITEMS

- SÖL I Interconnect (SOL11C)
- SÖL I M10 Connect (SOL1M10C)
- SÖL I Rear Mount Bracket (SOL1RMB)
- SÖL I Heavy Duty Yoke (SOL1Y)
- SÖL I Blinder Frame Kit (SOL1BFK)
- SÖL Fresnel Lens (SOLFL)
- SÖL Frosted Lens (SOLFRO)
- SÖL Bowens Adapter (SOLBA)
- SÖL Dome Lens (SOLDL)
- SÖL Blackout Lens (SOLBL)
- SÖL Gel Frame Holder Kit (SOLGFHK)
- SÖL Barndoor (SOLBD)
- SÖL Power & DMX Jumper Cable (PDJ112)
- # 8050000053 - Omega Bracket

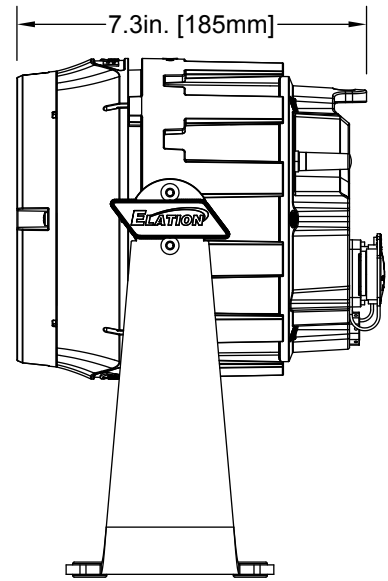
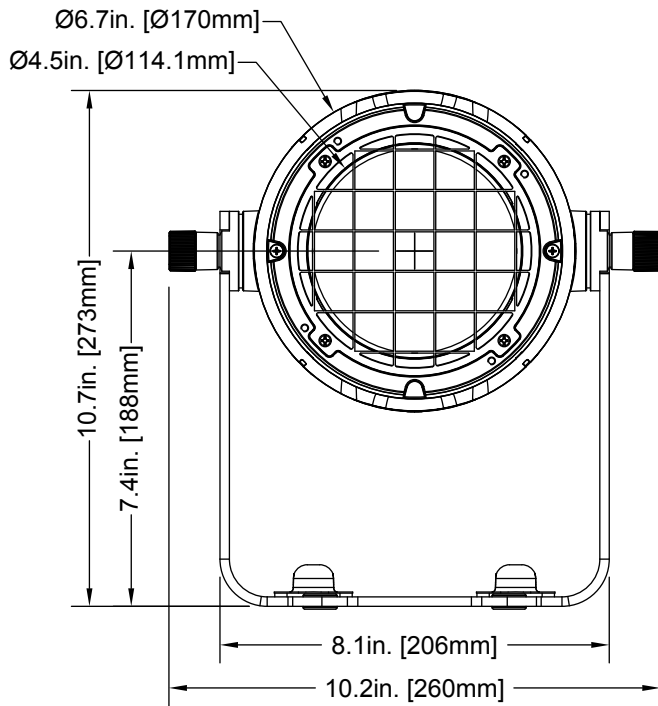
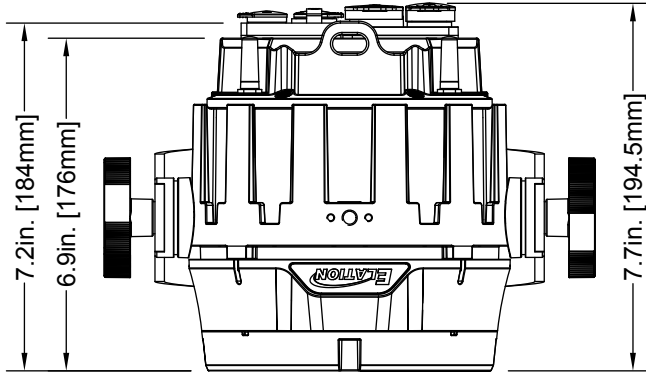
## APPROVALS / RATINGS

- CE | cETLus | IP65 | FCC | UKCA

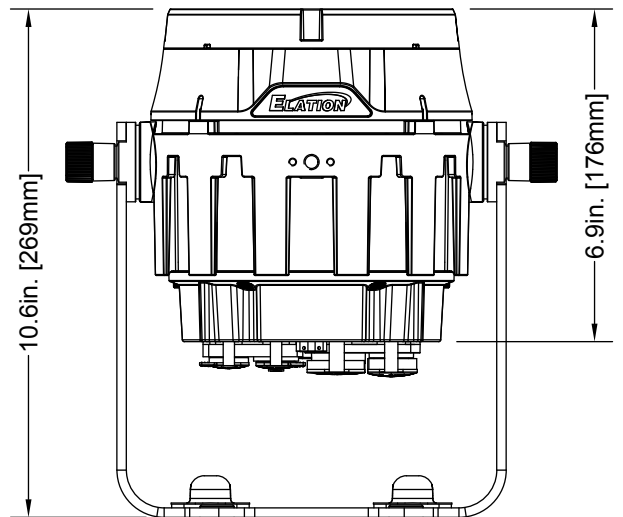
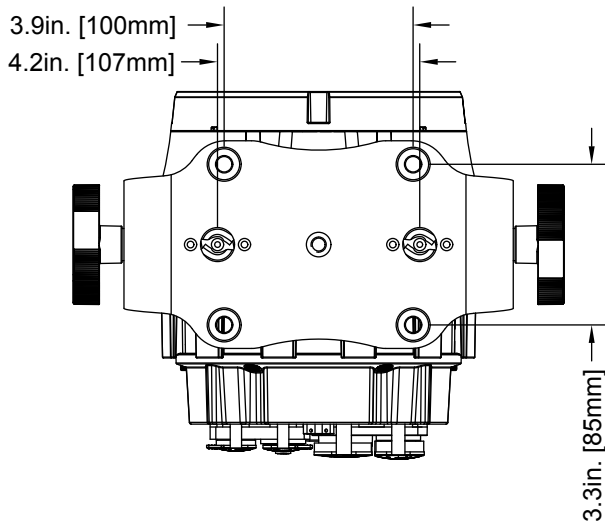


Specifications and documentation subject to change without notice.

# DIMENSION DRAWINGS



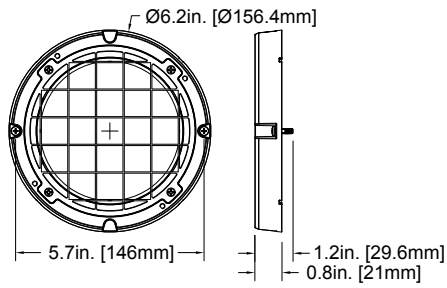
4.33 in. [109.9mm]



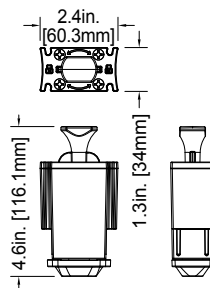
# DIMENSION DRAWINGS

## INCLUDED ITEMS

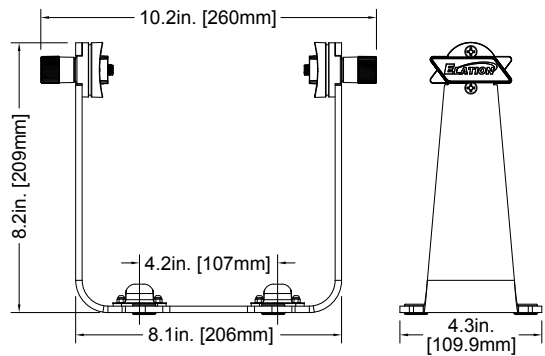
**Compound Lens**



**Fixture Interconnect**

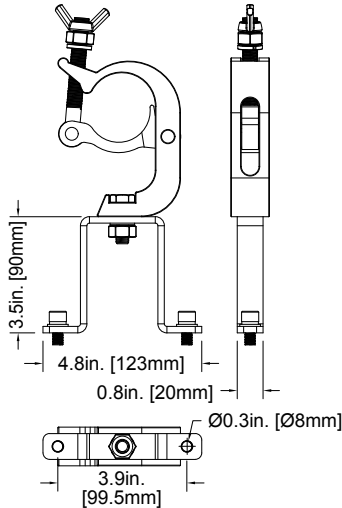


**Floor Stand Yoke**

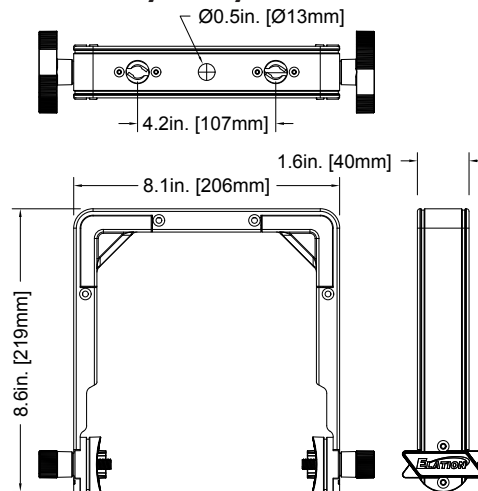


## OPTIONAL ITEMS

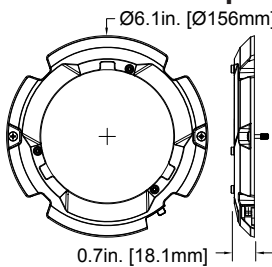
**Rear Mount Bracket**



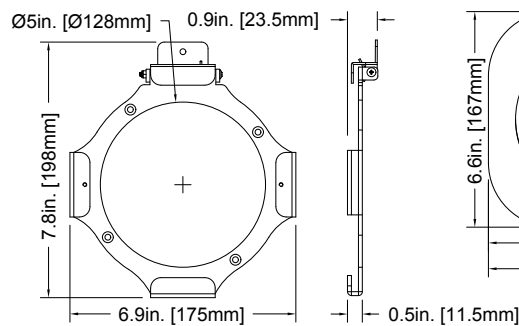
**Heavy Duty Yoke**



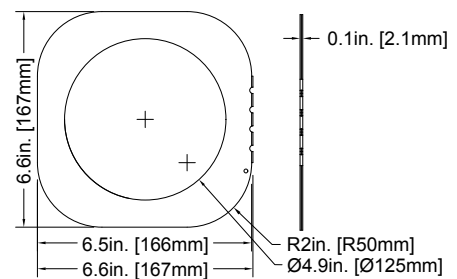
**Bowens Adapter**



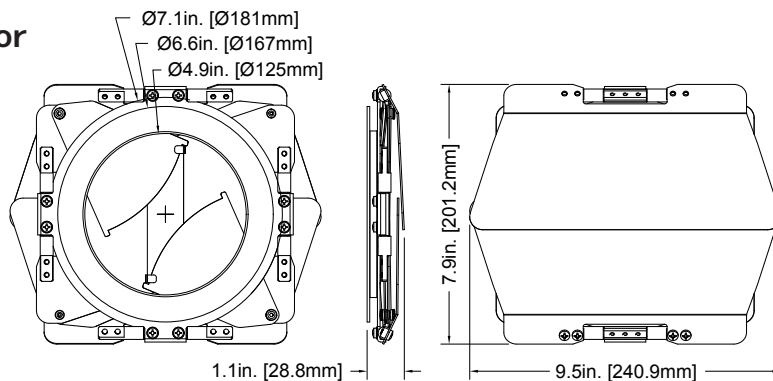
**Gel Frame Holder**



**Gel Frame**



**Barndoor**



# OPTIONAL ACCESSORIES

ORDER CODE		ITEM
US	EU	
SOL001	1236300093	SÖL I Blinder
SOLBD	PENDING	SÖL Barndoor
SOLBA	PENDING	SÖL Bowens Adapter
SOL1ICP	1236300109	SÖL I Interconnect Pack
SOLFL	PENDING	SÖL Fresnel Lens
SOLFRO	PENDING	SÖL Frosted Lens
SOLGFHK	PENDING	SÖL Gel Frame Holder Kit
SOLBFK	PENDING	SÖL Blinder Frame Kit
SOLBF	PENDING	SÖL Blinder Frame
SOL1M10C	PENDING	SÖL I M10 Connect
SOL1RMB	PENDING	SÖL I Rear Mount Bracket
SOL1Y	PENDING	SÖL I Heavy Duty Yoke
SPHDY	1236300112	SÖL/PULSE HD Yoke
PDJ112	PENDING	SÖL Power & DMX Jumper Cable
STR527	N/A	5 ft. (1.5m) IP65 5pin XLR Cable
		Additional Cable Lengths Available
TRIGGER CLAMP	1741000032	Heavy Duty Wrap Around Hook Style Clamp
C-Loader		C-LOADER Software Uploader



## 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!



