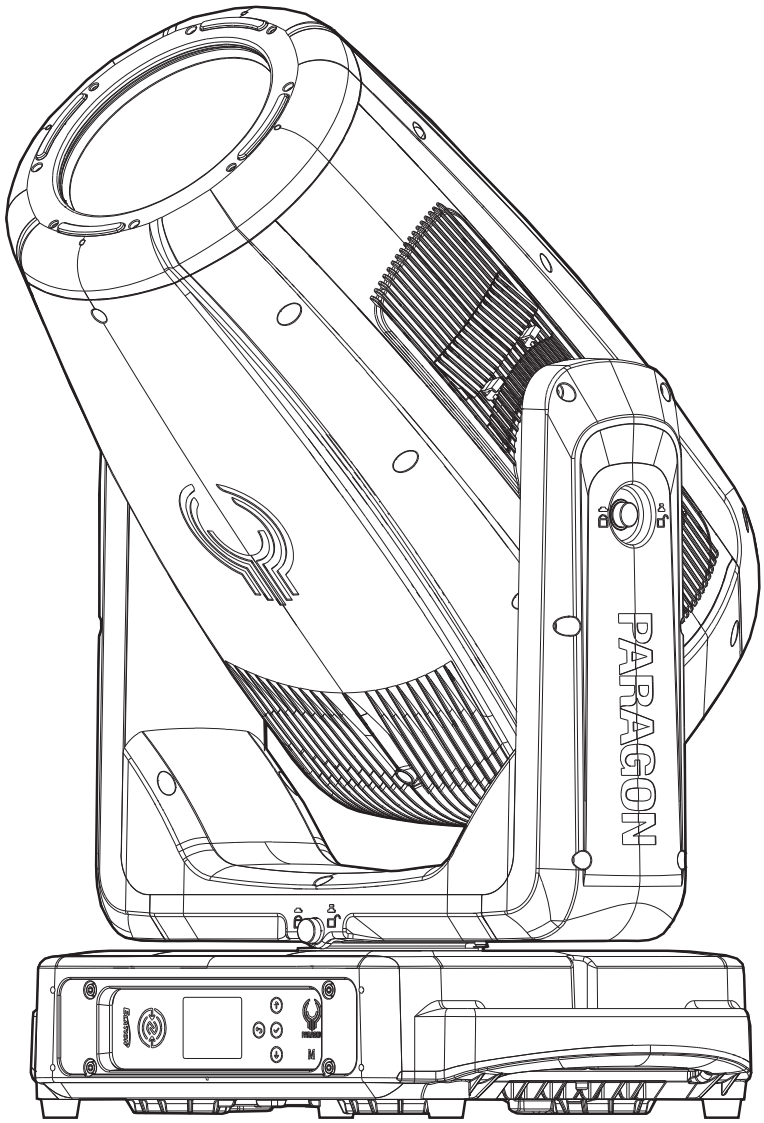
ELATION®



PARAGON M

user manual

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DOCUMENT VERSION

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

Date	Document Version	Software Version	DMX Channel Mode	Notes
02/05/25	1.0	1.2.2	41 / 64 Ch	Initial Release
02/07/25	1.1	N/C	No Change	Updated Limited Warranty, Safety Guidelines, Custom Gobos, System Menu, Movement and Color Settings, DMX Traits, Specifications

CONTENTS

GENERAL INFORMATION

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information. **This device is intended for use by trained personnel only, and is not suitable for private use.**

UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event 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

- Omega Brackets (x2)
- IP65 Rated Locking Power Cable
- Safety Cable
- Foam Inlay

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

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

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.

LIMITED WARRANTY (USA ONLY)

A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of general manufacturing defects in material and workmanship for a period of three years (1,095 days), and Elation Professional LED arrays to be free of manufacturing defects in material and workmanship for five years (1,825 days), from the original date of purchase. 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.

IP54 RATED

The International Protection (IP) rating system is commonly expressed as "**IP**" (Ingress Protection) followed by two numbers (i.e. IP54), 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 **IP54** rated lighting fixture is designed and tested to protect against dust infiltrating in a quantity large enough to interfere with operation (**5**), and splashing water from any direction (**4**).

This rating means that the fixture can withstand rainwater, splashes, condensation, etc., but **CANNOT** withstand high-pressure water jets. This fixture is designed for use in any weather conditions, but cannot withstand fountains, waterfalls, showers, or other conditions that can generate larger amounts of water. Do not immerse the fixture in water, and immediately disconnect power to the fixture in the event of extreme situations such as floods.

NOTE: THIS FIXTURE IS INTENDED FOR TEMPORARY OUTDOOR USE ONLY! Permanent installion in an outdoor location may accelerate aging, potentially compromising the device's IP54 rating and posing potential safety hazards and damage risks. Do not use the fixture in permanent outdoor applications.

Do not install this fixture near seawater, swimming pools, or any environment with a high concentration of salt or chlorine in the air. Do not use this fixture in any environment with extremely cold or freezing temperatures.

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. Ensure the unit is powered off/disconnected. Examine the chassis for contaminants and clean optics and chassis as necessary. Schedule maintenance based on findings, taking into account the exterior's exposure to the elements. Maintenance is crucial even when luminaires are not in use due to their exterior placement. Regularly inspect power and data lines for contaminants or corrosion. Clean thoroughly and/or replace connectors if corrosion/ contaminants are present.

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

- Examine zoom/focus mechanism, clean optics, and lubricate linear bearings (Krytox oil) as needed
- inspect belts for wear
- Manually rotate all rotating effect wheels and note any resistance.
- Check remaining rotating belts for wear.
- Inspect and clean fans as required, checking rotation and connections
- Examine the CMY module, manually moving flags and checking for resistance
- Clean guide rods if needed and apply a thin layer of grease (moly lube).
- Clean the interior with low-volume compressed air and clean optics before reassembling head covers.

Although the base and yoke have limited moving parts, the pan and tilt belt should also be inspected for wear.

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 for any needed parts or manuals.

SAFETY GUIDELINES

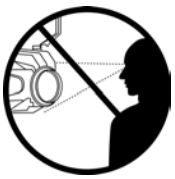
This fixture is a sophisticated piece of electronic equipment. To guarantee smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts 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.

Deep scratches on powder-coated metal can compromise the protective layer, exposing the underlying metal to environmental elements. Once the coating is damaged, moisture can infiltrate the surface, leading to corrosion. The scratch essentially creates a pathway for water and other corrosive agents to reach the metal, potentially causing rust and degradation over time. Regular inspection and maintenance of powder-coated surfaces are essential to prevent these issues and preserve the metal's integrity.

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 DEVICE 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 THIS UNIT INTO A DIMMER PACK
DO NOT REMOVE THE COVER UNDER ANY CONDITIONS
NEVER OPERATE THIS UNIT WITH THE CASING REMOVED
UNPLUG FROM POWER DURING LONG PERIODS OF NON-USE
DISCONNECT POWER BEFORE PERFORMING MAINTENANCE



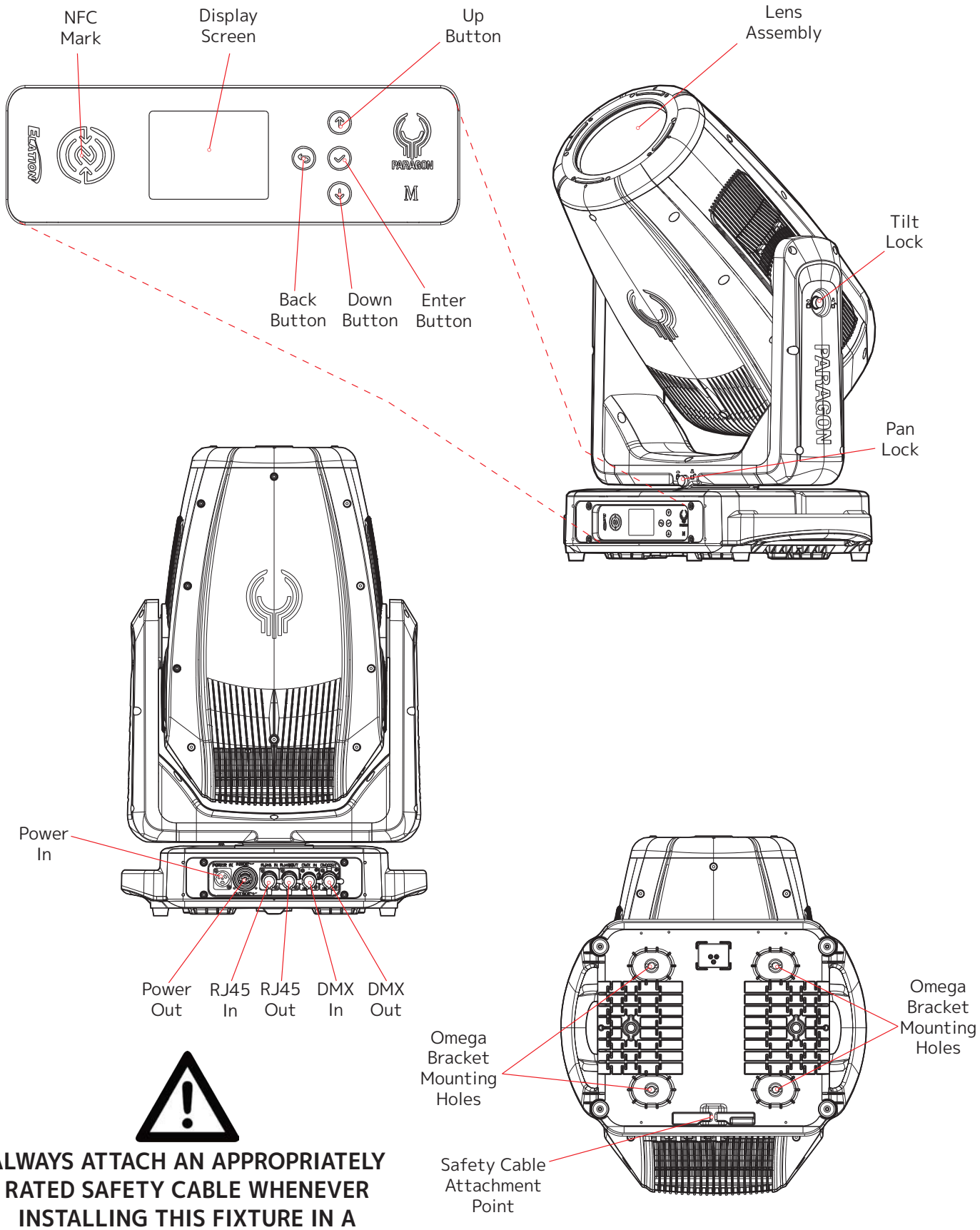
NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

FIXTURE SHOULD BE PLACED A MINIMUM OF 1.6 FEET (0.5 METERS) FROM ANY NEARLY OBJECTS OR SURFACES.
FIXTURE SHOULD BE PLACED A MINIMUM OF 9.8 FEET (3 METERS) FROM ANY FLAMMABLE MATERIALS.
OPERATING TEMPERATURE RANGE IS IS -4°F TO 113°F (-20°C TO 45°C).

SAFETY GUIDELINES

- **DO NOT** shake fixture, and avoid using brute force when installing and/or operating the fixture.
- **DO NOT** operate the fixture if the power cord is frayed, crimped, damaged, and/or if any of the power cord connectors are damaged and do not plug into the fixture securely with ease.
- **NEVER** force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same power rating.
- **DO NOT** block any air ventilation slots.
- All fan and air inlets must remain clean and never blocked.
- Leave approx. 6" (15cm) between the fixture and other devices or a wall in order to allow for proper cooling.
- Always disconnect the fixture from the main power source before performing any type of service and/or cleaning procedure.
- Only handle the power cord by the plug end. Never pull out the plug by tugging on the wire portion of the cord.
- During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp. This will decrease gradually over time.
- Consistent operational breaks will ensure fixture will function properly for many years.
- **ONLY** use the original packaging and materials to transport the fixture for service.

OVERVIEW



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

TORQUE SETTINGS FOR SCREWS

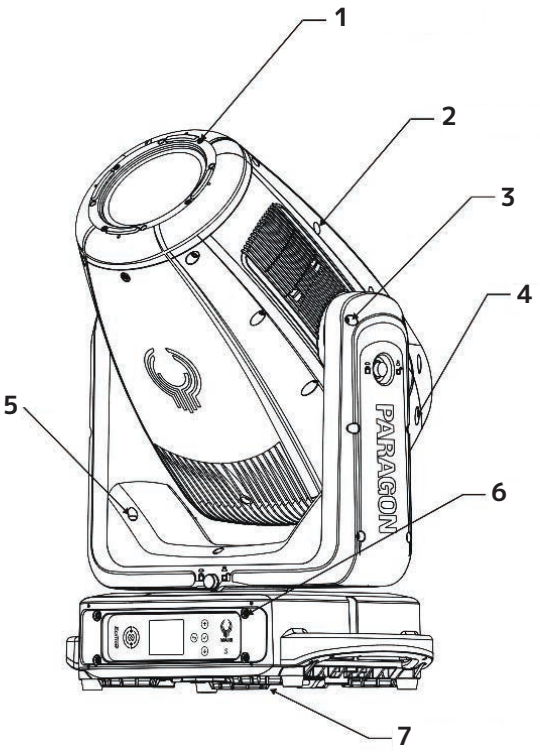
IN ORDER TO MAINTAIN THE IP54 RATING ON THE LIGHTING FIXTURES, ALL SCREWS MUST BE TIGHTENED TO THE FOLLOWING TORQUE SPECIFICATION USING A TORQUE DRIVER.

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!



NO.	LOCATION	QUANTITY	TORQUE
1	Lens Frame	4	6.9 ± 0.7 lb-in (8.0 ± 0.8 kg-cm)
2	Head Covers	20	6.9 ± 0.7 lb-in (8.0 ± 0.8 kg-cm)
3	Arm Upper Covers	12	6.9 ± 0.7 lb-in (8.0 ± 0.8 kg-cm)
4	Head Rear Cover	4	6.9 ± 0.7 lb-in (8.0 ± 0.8 kg-cm)
5	Arm Lower Covers	6	6.9 ± 0.7 lb-in (8.0 ± 0.8 kg-cm)
6	Control Panel	20	6.9 ± 0.7 lb-in (8.0 ± 0.8 kg-cm)
7	Base Cover	4	6.9 ± 0.7 lb-in (8.0 ± 0.8 kg-cm)

INSTALLATION GUIDELINES

FLAMMABLE MATERIAL WARNING
Keep fixture minimum 9.8 feet (3m) 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 OBJECTS/SURFACES 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 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.

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.

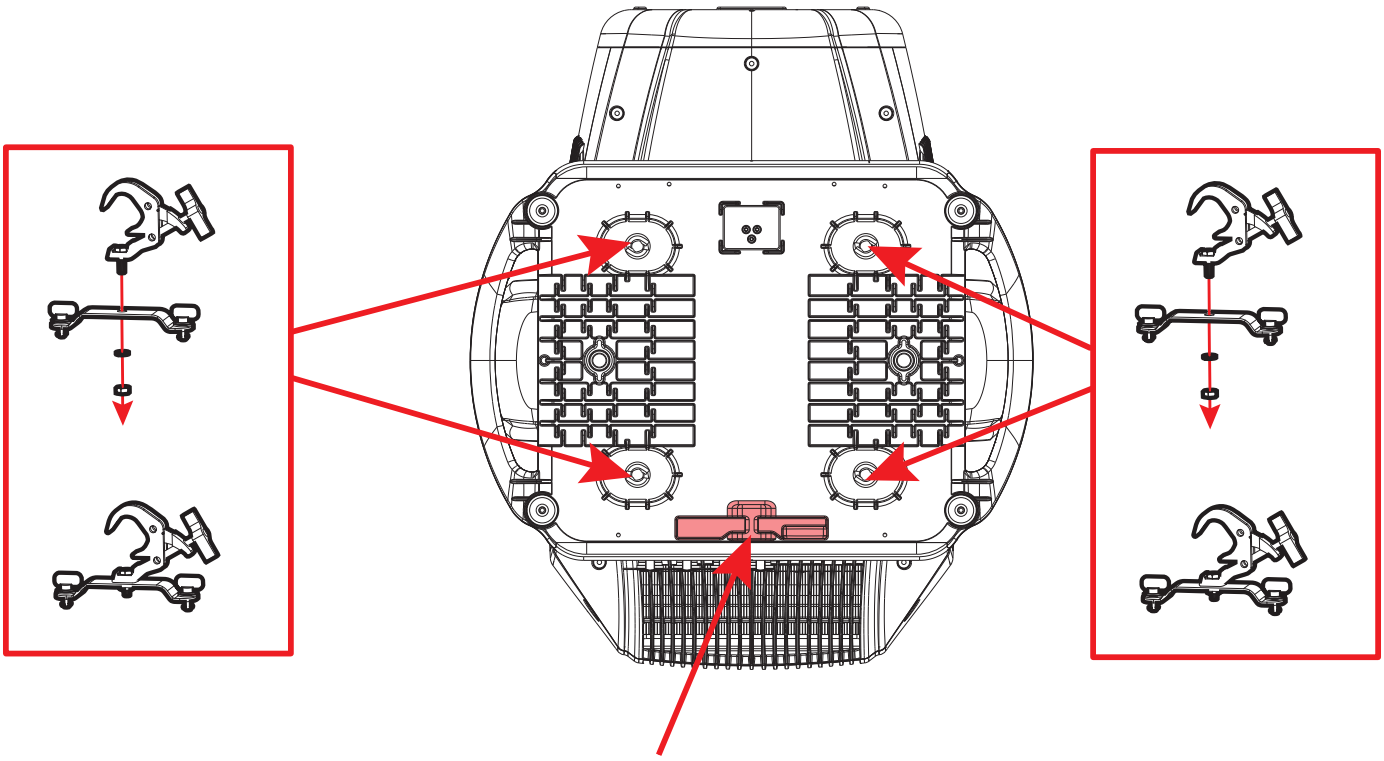
Allow approximately 15 minutes for the fixture to cool down before servicing.

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.

INSTALLATION GUIDELINES

OMEGA BRACKET INSTALLATION

To suspend this unit from an elevated truss, begin by using an appropriately rated bolt and nut to secure a mounting clamp to an Omega bracket. Then insert the Omega bracket's twist lock fasteners into the mounting holes on the bottom of the base, and twist the fasteners to secure in place. Please note that two mounting clamps and two Omega brackets must be used to securely install this fixture. Lastly, attach a safety cable of the appropriate rating to the designated anchor point, as shown below.



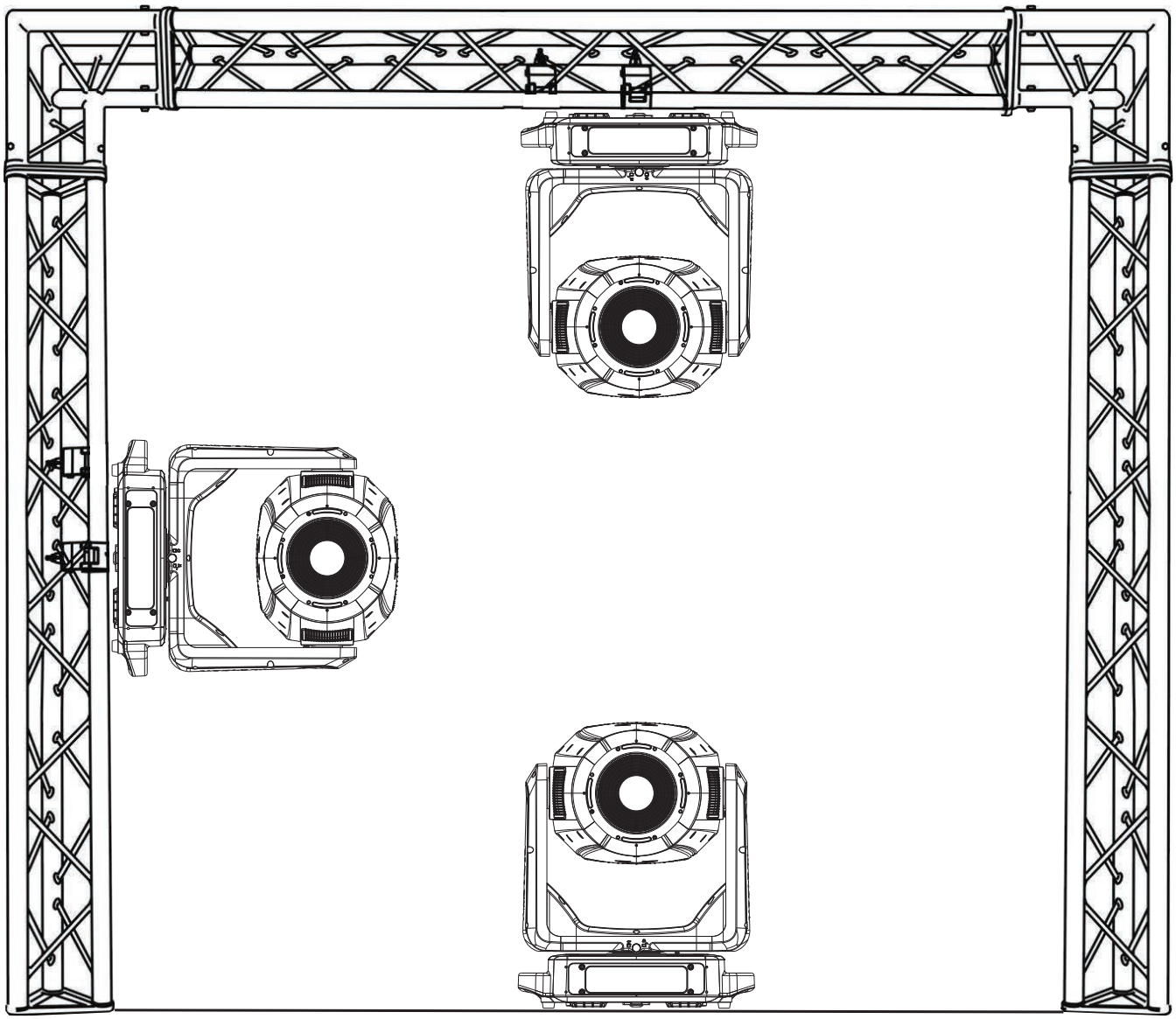
SAFETY CABLE ATTACHMENT POINT

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

INSTALLATION GUIDELINES

FIXTURE INSTALLATION

This fixture is fully operational in three different mounting positions: hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.



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

ARTNET / sACN CONNECTIONS

When connecting the fixture to a network switch to control multiple devices, it is important to use a Gigabit Ethernet Switch that supports IGMP (Internet Group Management Protocol). Using a Gigabit Ethernet Switch that does not support IGMP can cause all devices connected to the switch to behave erratically. Refer to the link below for more information about IGMP.
https://en.wikipedia.org/wiki/Internet_Group_Management_Protocol

POWER AND DATA CABLES

SEAL ALL CONNECTIONS USING THE ATTACHED RUBBER CAPS WHEN NOT IN USE IN ORDER TO PREVENT WATER INTRUSION AND MAINTAIN IP54 RATING INTEGRITY.

RJ45 DATA CABLES

CAT5E, CAT6, or CAT6A network cable types are compatible with this fixture. Please note that while some network cables may incorporate an internal shielding mesh, this mesh may not extend to the end connector, or it may be present only in one end connector but not the other.

The RJ45 connectors have a passive data pass-through while the fixture is powered off.

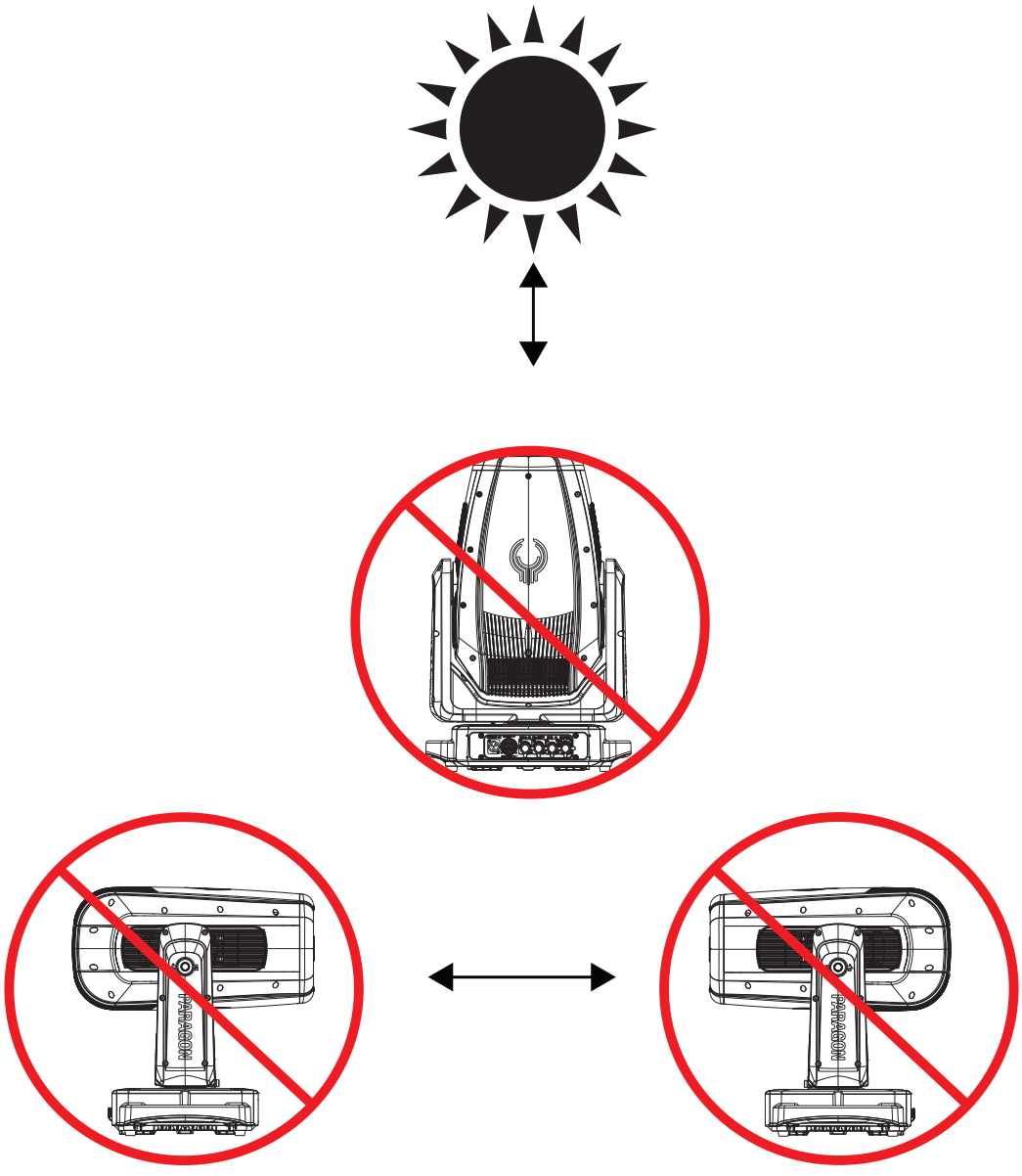
INSTALLATION GUIDELINES

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.

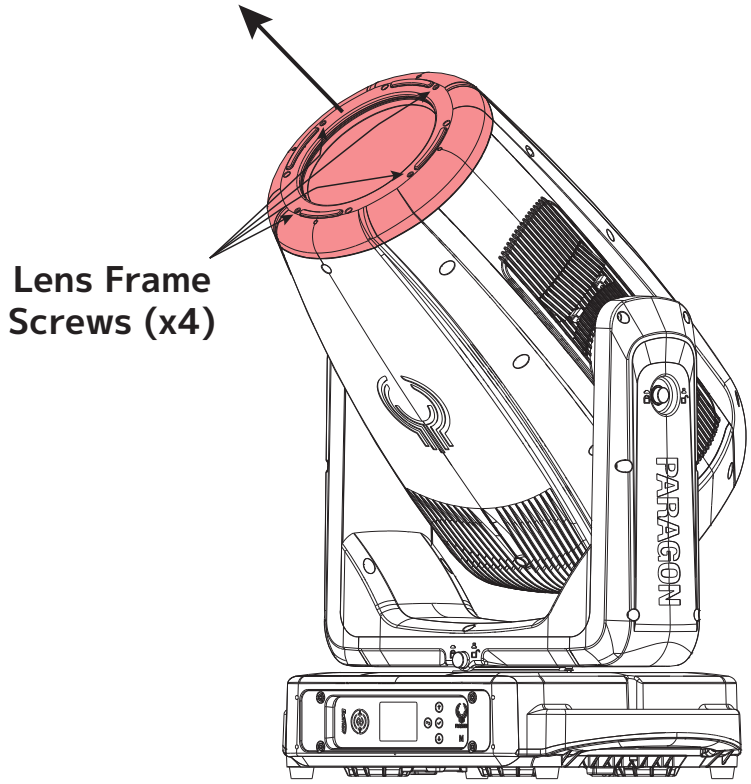
DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS WHILE UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



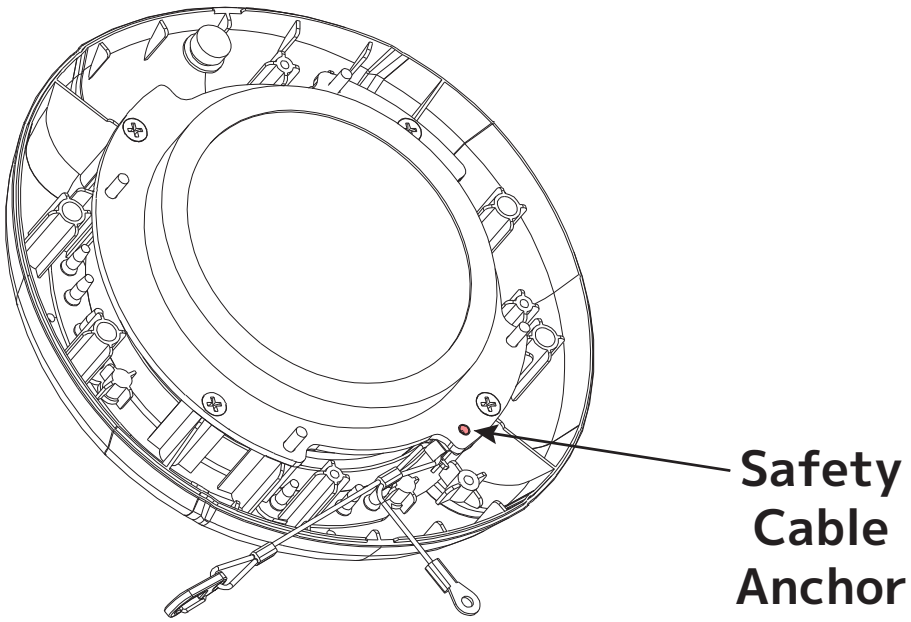
ACCESSORY INSTALLATION

LENS KITS

1. Remove the four (4) lens frame fasteners. Detach the lens frame safety cable, then remove the lens frame assembly from the head of the fixture.



2. Detach the safety cable holding the lens frame in place, and remove the lens frame assembly.

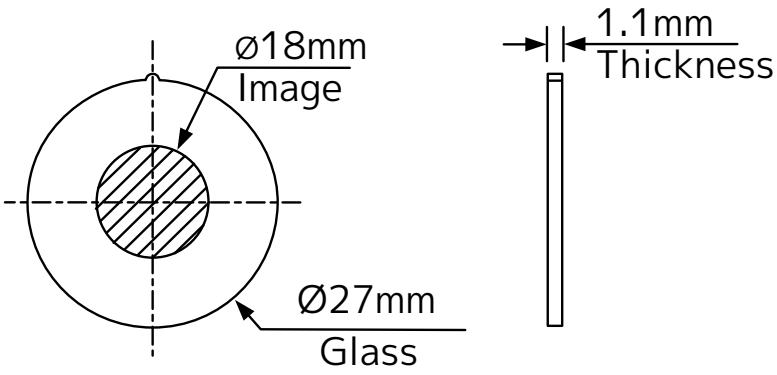


3. Install the desired lens frame assembly. Make sure to re-attach the safety cable, then re-install the four (4) fasteners to secure the assembly in place.

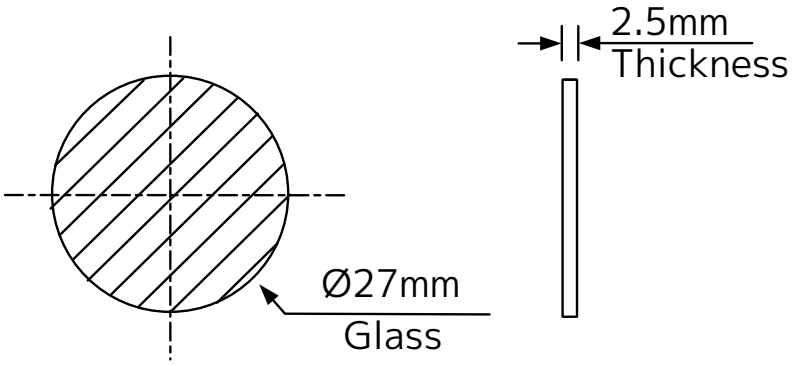
CUSTOM GOBOS

ROTATING GOBO WHEEL GOBOS	
Gobo O.D. (Max. Outer Diameter)	Ø27mm
Gobo I.D. (Max. Image Diameter)	Ø18mm
Gobo Thickness	1.1mm/2.5mm
Gobo Material	Glass

Gobo Pos. 1-6



Gobo Pos. 7



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

*** * * IMPORTANT NOTICE REGARDING CUSTOM GOBOS * * ***

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

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

323-582-3322 | support@elationlighting.com

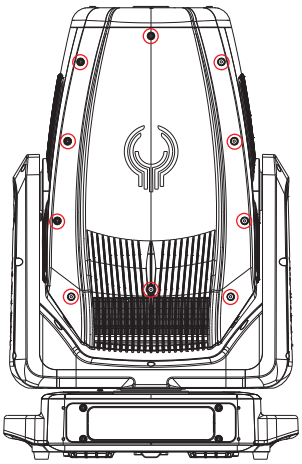
ELATION SERVICE EUROPE -Monday -Friday 08:30 to 17:00 CET

+31 45 546 85 63 | support@elationlighting.eu

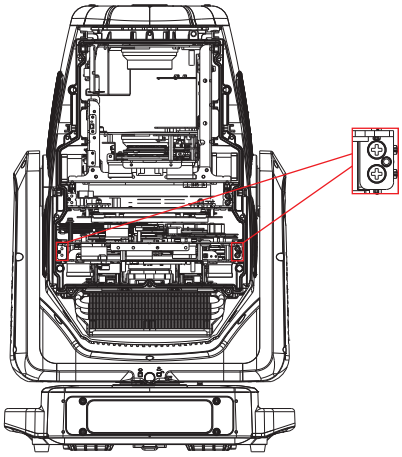
GOBO REPLACEMENT

1. Remove the ten (10) screws on each side of the head cover, then remove the cover (left). Locate the four (4) fasteners securing the gobo module in place (center), then disconnect the electrical connector for the module. Loosen the four (4) 3mm Hex screws that hold the module in place, then remove from the head (right).

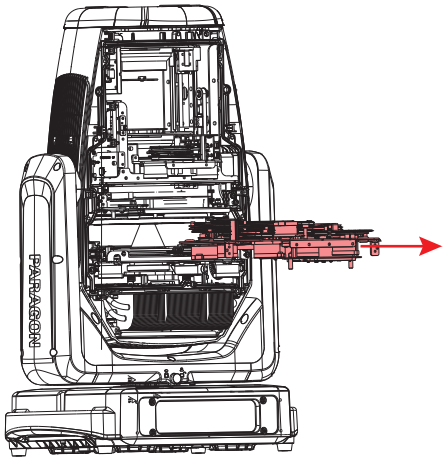
Head Cover Fastener Locations



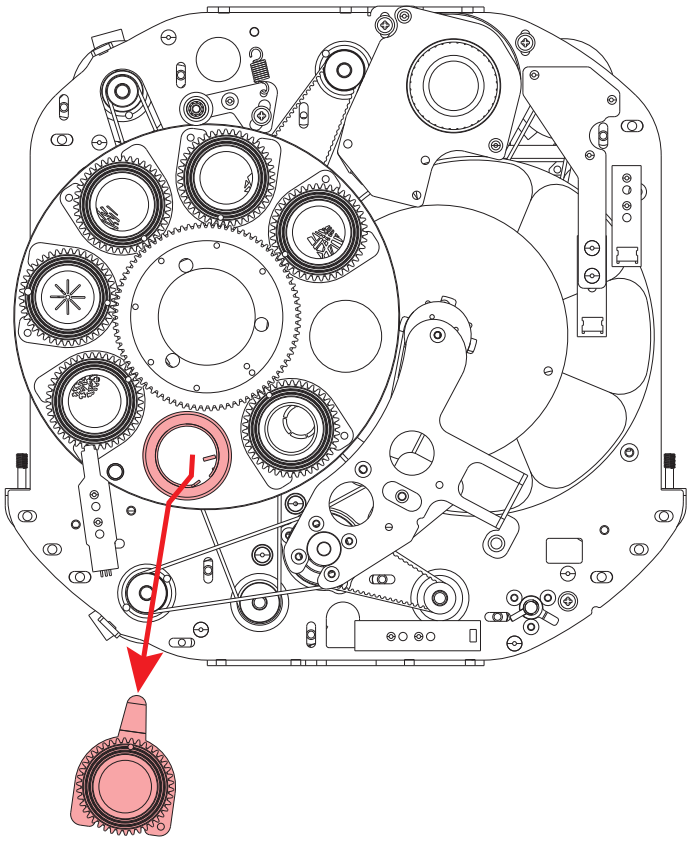
Gobo Module Fasteners



Remove Gobo Module

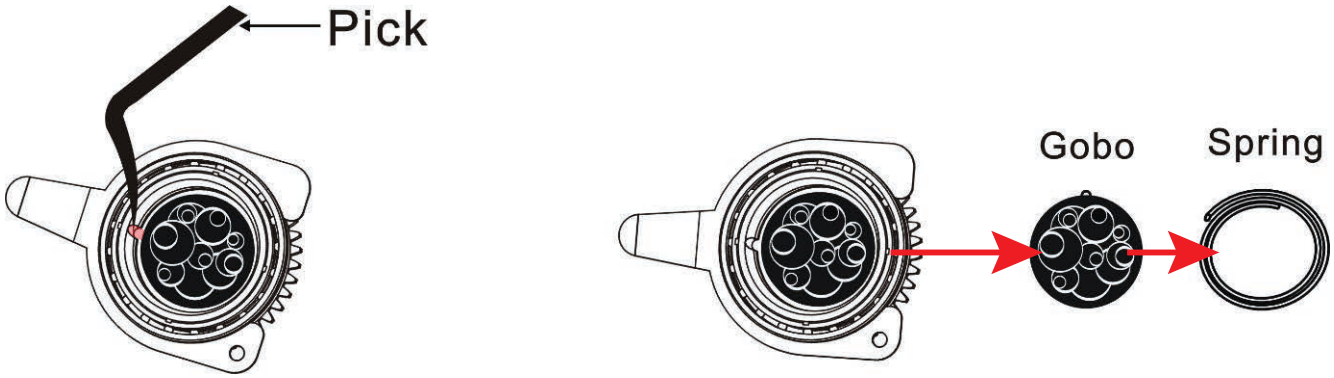


2. Firmly grasp the gobo holder containing the gobo that you wish to replace. Lift the gobo holder clear of its socket in the gobo wheel, then pull the gobo holder outward. The gobo holder should come free of the gobo wheel.

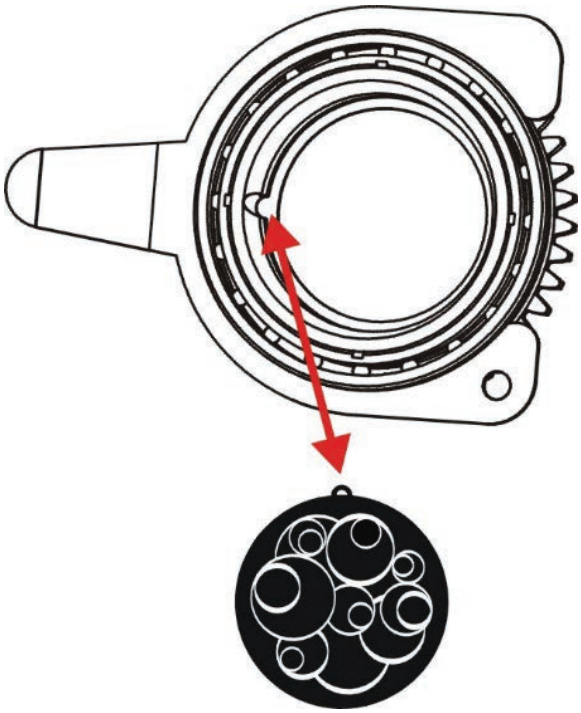


GOBO REPLACEMENT

3. Place the gobo holder on a flat, stable surface with the geared wheel facing downwards. Use a pick to press the tab that releases the gobo spring, then remove both the spring and the gobo from the holder. **Use caution to avoid scratching the gobo during this process.**

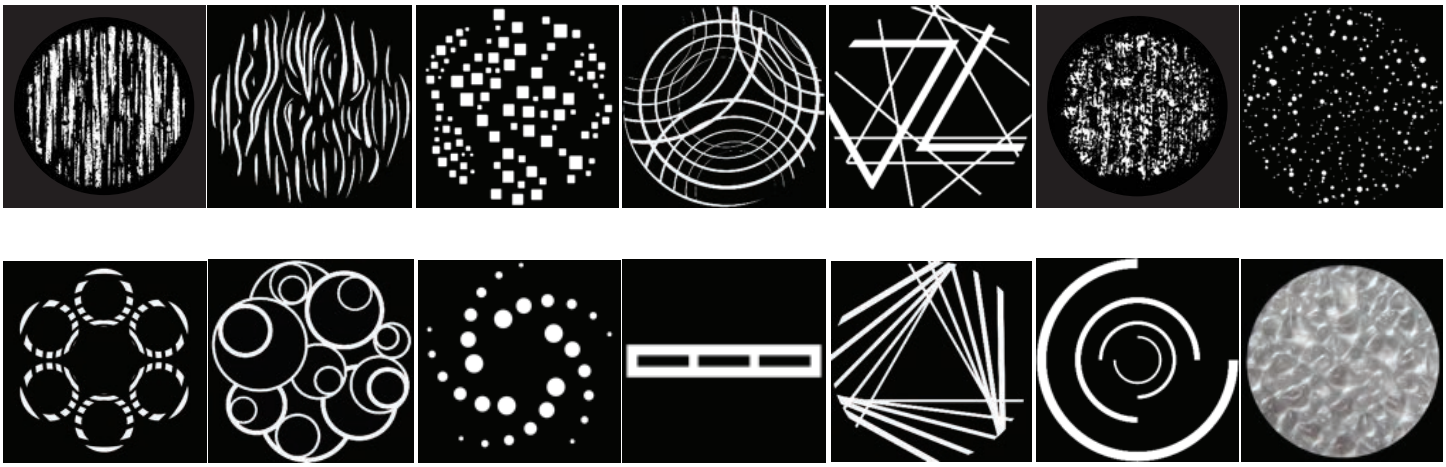


4. Place the new gobo in the gobo holder, making sure that the indexing tab on the gobo is aligned with the notch in the gobo holder. Secure in place with the gobo spring, then reassemble the unit by reversing steps 1-3.

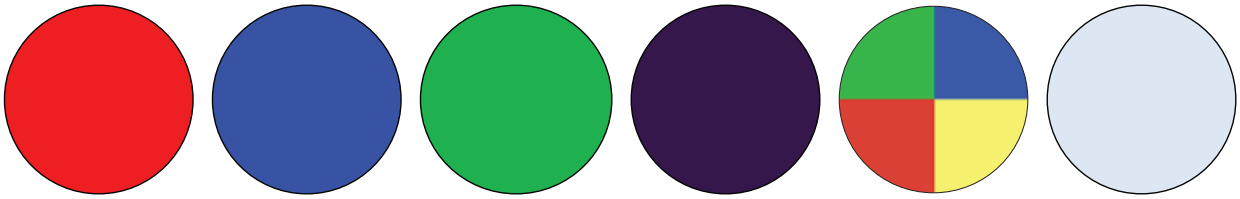


GOBOS, COLORS, AND EFFECTS

ROTATING GOBOS

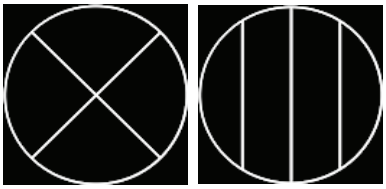


COLORS



Red | Blue | Green | UV | Multi Color | Color Smoothing

PRISMS



4 Facet Round | 4 Facet Linear

ANIMATION WHEEL

SUN PROTECTION MODE

The fixture incorporates an automatic protection from harmful sunlight, which can damage a fixture's internal components from extended exposure. Fixtures use an internal sensor to determine their physical orientation, then reorient the fixture towards the ground to prevent sunlight from entering the lens.

This automatic feature only works when the fixture is powered. If the fixture is unpowered during setup, it is necessary to manually reorient the lenses away from the sun, and aim them towards the ground. Even a few minutes of sun exposure can cause damage inside the fixture.

The Sun Protection setting is accessed via the "No DMX Status" menu.

The automatic sun protection positioning is activated under the following conditions:
1. Power on without DMX signal: the fixture always starts in sun protection mode.
2. No DMX Status "Sun Protection": the fixture enters sun protection mode after approximately 3 minutes.
3. Remote DMX control: the sun protection position can be **temporarily** activated from the lighting console without the need to create a custom position preset. The fixture senses the correct ground orientation. This means that fixtures already facing the ground may not move their heads.

Hold "Sun Protect Position" for 3s to set the fixture to the sun protection position.

Sun protection status displays as "**Sun Protection: Active**".

The sun protection position deactivates under the following conditions:
1. Connect DMX signal.
2. Remote DMX control: Hold "Sun Protection Off" for 3s.

To avoid harsh or jarring movements, the sun protection position always uses a 5-second fade time when it is activated or deactivated.

HIBERNATION MODE

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

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

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

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

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

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

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

NEAR FIELD COMMUNICATION (NFC)

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

NFC Setup and Usage

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

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

Tips for Successful NFC Interaction

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

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
Open	0x77A	0x22A6	Standard (41Ch), Extended (64Ch)

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
0x0200	Sensor Definition
0x0201	Sensor Value
0x0080	Device Model Description
0x0081	Manufacturer Label
0x0082	Device Label
0x00E0	DMX Personality
0x00E1	DMX Personality Description
0x0400	Device Hours
0x0600	Pan Invert
0x0601	Tilt Invert
0x0500	Display Invert

FREQUENCY & WIRELESS LOCATION GUIDELINES

2GHZ Versus Sub-Gig (GHz) Frequencies:

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

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

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

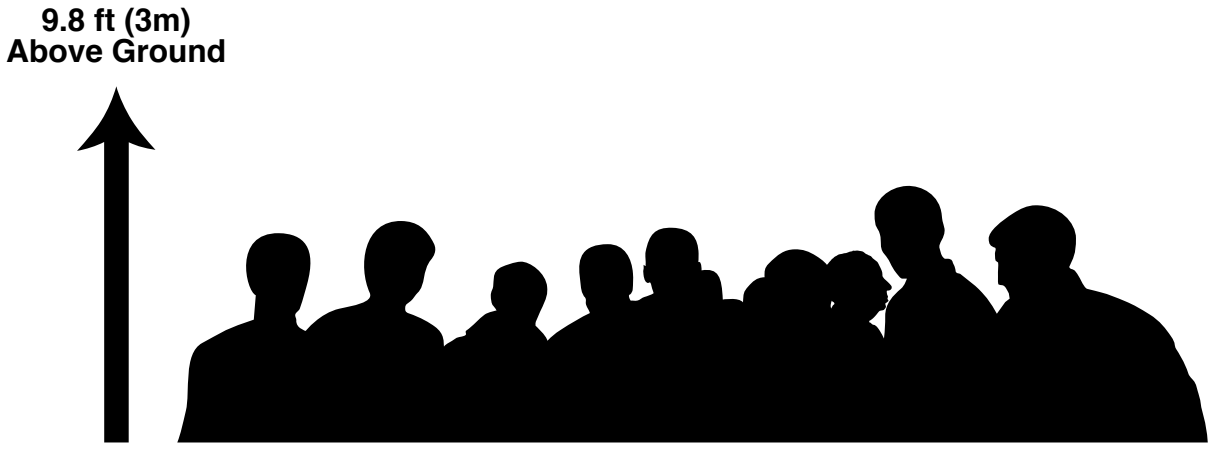
In summary, if an application demands high data rates and more bandwidth in urban or densely populated areas where interference management is feasible, the 2.4 GHz frequency is a suitable choice. On the other hand, for applications requiring long-range communication and better obstacle penetration, particularly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

Installation Recommendations:

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

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

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



SYSTEM MENU

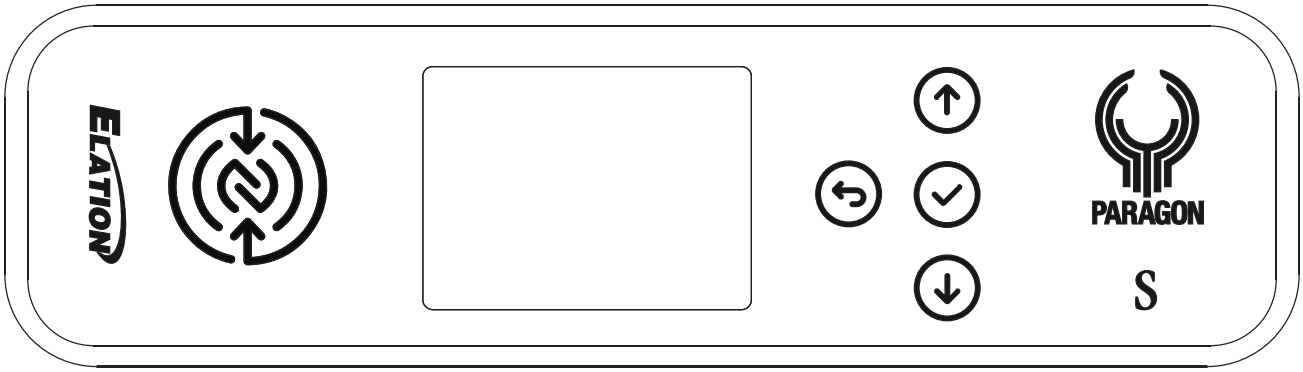
The fixture includes an easy to navigate system menu. The control panel display is located on the rear panel of the fixture (see image below) and provides access to the main system menu, where all necessary system adjustments are made to the fixture. During normal operation, navigate through the different functions and access the sub-menus with the DOWN and UP buttons. Press the ENTER button to select the option displayed, and use the DOWN and UP buttons to make adjustments. Pressing the ENTER button once more will confirm the setting. Exit the main menu at any time without making any adjustments by pressing the BACK button.

CONTROL PANEL LOCKOUT

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

ARIA

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



AN ELATION E-LOADER III CAN BE USED TO UPDATE THE FIXTURE TO THE LATEST SOFTWARE. To order this device, please contact Elation Support for further details. Alternately, updates can be performed over the Aria connection. Please refer to the Software Updates section of this manual. Detailed instructions can be found online at www.elationlighting.com.

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

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

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
DMX	DMX Address	**001** - 512	
	DMX Mode	Standard	
		Extended	
		Spot Standard	
		Spot Extended	
	No DMX Status	**Hold Last**	
		Fade to Black	
		Sun Protection	
		Hibernation	Off, 1min - 99 min (default = **15min**)
	Protocol	Select Signal	**DMX**
			Art-Net
			sACN
			Aria In - DMX Out
			DMX In - Aria Out
		Universe	**1**
		DHCP	**Off** / On
		IP Address	2.x.x.x
		Subnet Mask	**255.0.0.0**
		Ethernet DMX Out	**Off** / On
	Aria	Enable Aria	**Off** / On
		Frequency	**2.4Ghz**
			Sub Gig - US
			Sub Gig - EU
		2.4Ghz Chan	**00** - 15
		Sub Gig Chan	**00** - 09
		Enable Mesh	**Off** / On
		Enable Bluetooth	**Off** / On
Control	Manual Control	Control	
		Pan	
		Tilt	
		...	
	Reset	All	
		Pan Tilt	
		Color	
		Gobo	
		Focus Zoom	
		Others	
	Self Test	All	
		Dimmer	
		Movement	
		Color Mix	
		Gobo	
		Framing	
		Beam	

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
Settings	Movement	Pan Invert	**Off** / On
		Tilt Invert	**Off** / On
		Pan Tilt Speed	Smooth / **Fast**
		Pan Tilt Brake	Smooth / **Fast**
		Pan Tilt Feedback	Off / **On**
	Fans Control	**Auto**	
		High	
		Low	
		Studio	
		Mute	
	Color	CRI	**DMX** / 70 / 80 / 93
		Color Smoothing	Enable / **Disable**
		CMY Speed	Smooth / **Fast**
	Dimmer Curve	Linear	
		Square	
		Square Inverse	
		S-Curve	
	Refresh Rate	900 - 25000 Hz (Default = **1200 Hz**)	
	Display	Screen Delay	10s - 5 min (Default = **1min**)
		Screen Lock	**Off**, 10s - 5min
		Auto Rotate	Off / **On**
	Reset Defaults	Yes / No	
Information	Time	Current Time	
		Total Run Time	
		Last Run Time	
	Temperature	Head	
		Base	
		Lamp	
	Fan	Fan xx	
		...	
	DMX Values	Pan	
		Tilt	
		...	
	Product IDs	RDM UID	
	Error Logs	Fixture Errors	
	Software Version	Vx.x	
Service (Passcode = 050)	Calibration	Pan	
		Tilt	
		...	
	Reset Last Run	Yes / No	
	Reset Error Logs	Yes / No	

SYSTEM MENU

DISPLAY SHORTCUTS

FUNCTION	CONTROL INPUT
Activate battery mode	With unit powered off, press and hold ENTER for 3 s.
Unlock display	With unit powered on, press and hold ENTER for 10s while screen displays countdown to unlock.
Disable pan/tilt	With unit powered on, press and hold both the UP and DOWN buttons for 3s.
Reset to default	With unit powered on, press and hold both the BACK and ENTER buttons for 10s while displays countdown. Then select YES to reset, or NO to return to main menu without making changes.

FAN CONTROL

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

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

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

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

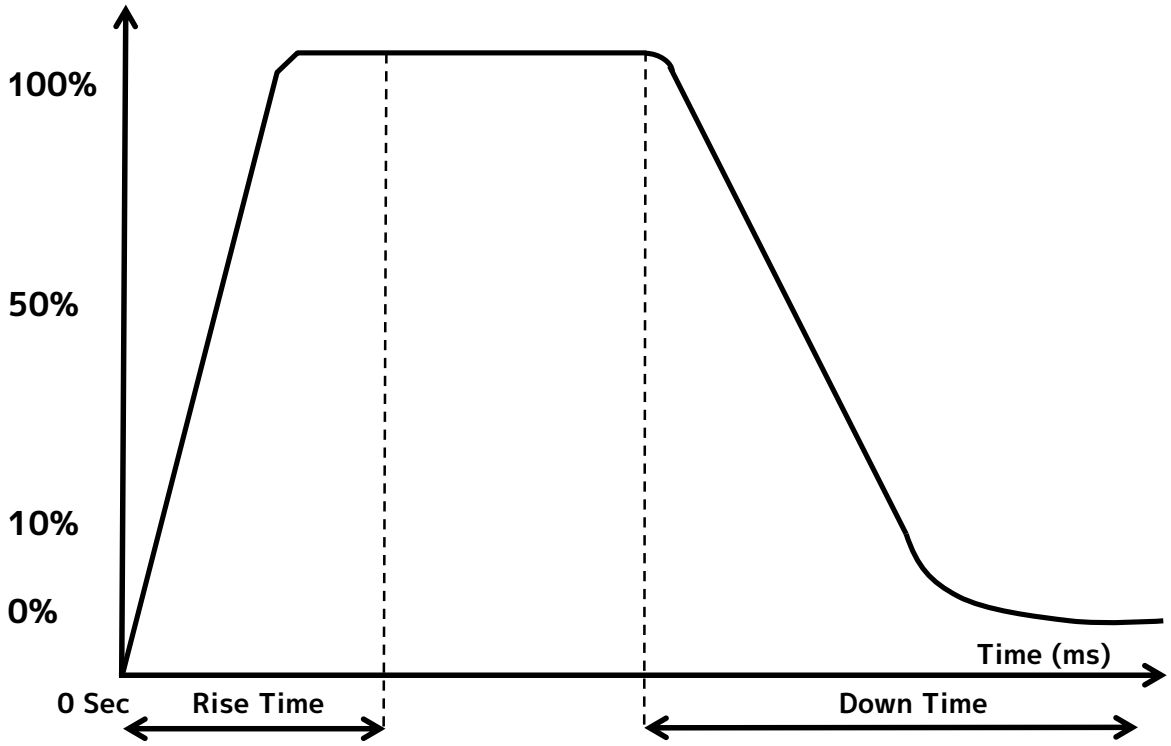
Additional Low Noise Modes

For very critical situations, the Paragon M offers two additional low noise modes for quiet operation. The fixture output will be reduced, but as the Paragon M has such an extremely high luminous flux, it still offers outstanding performance.

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

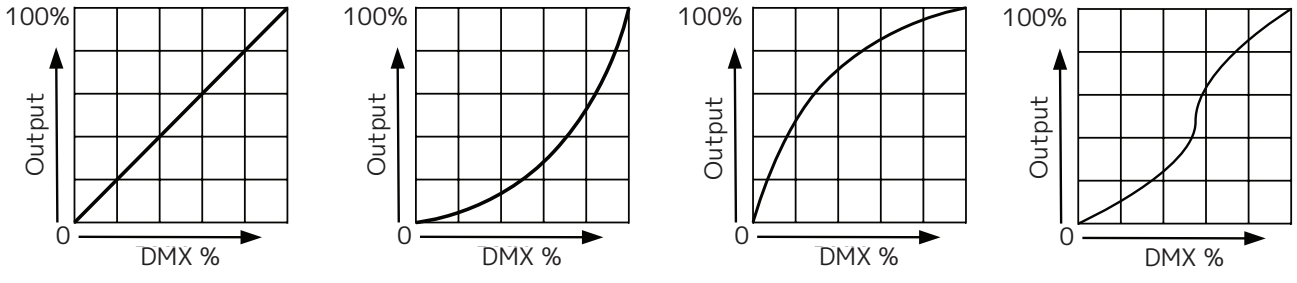
Mute – Running the fixture in MUTE mode reduces the fixture to about 25% output, and most fans are off.

DIMMER MODES



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

DIMMER CURVES



MOVEMENT AND COLOR SETTINGS

The fixture offers a variety of settings to influence its movement parameters and optimize its color performance.

Settings Menu, Pan Tilt Speed: This controls the overall reaction of the fixture to changes in Pan and Tilt positions. Fast settings may introduce some jitteriness, whereas slow settings can create smoother movements but can introduce a slight delay when changing direction.

Settings Menu, Pan Tilt Break: This determines how aggressively the fixture arrests its motion when DMX values no longer change. Fast settings can cause the fixture to bounce or jitter upon stopping, while smooth settings ensure a gentle halt, but it will add some delay.

Pan Tilt Feedback: This setting determines whether the fixture will automatically return to its DMX-defined position when moved manually away from that position, and can be disabled to prevent the fixture from swinging back. This is often done for safety reasons, as injuries may result if the fixture swings back unexpectedly and strikes nearby personnel.

Color Smoothing (Settings Menu, Color, Color Smoothing): This fixture includes an optional color smoothing filter, which can be integrated into the color wheel and enabled manually or automatically as soon as any gobo is selected. This feature can be controlled from either the system menu or via the DMX control channel. The color smoothing filter minimizes the effects of any color anomalies along framing edges, especially when combined with a gobo, while also adding some minor color correction to enhance the gobo's appearance. Please note that the filter may reduce output slightly. For most theatrical applications, it is recommended to enable the filter by default.

CRI (Settings Menu, Color, Color CRI): This fixture's TruTone engine allows variable CRI control of the fixture output using the CRI DMX channel. This can be disabled and set to a fixed CRI value (70/80/93). CRI 80 produces the fixture's highest intensity output.

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
1	1	0-255	**Pan**		127
			Left → Right		
2	2	0-255	**Pan Fine**		127
			Fine position		
3	3	0-255	**Tilt**		127
			Forward → Backward		
4	4	0-255	**Tilt Fine**		127
			Fine position		
5	5	0-255	**Cyan**		0
			0 → 100		
	6	0-255	**Cyan Fine**		0
			Fine saturation		
6	7	0-255	**Magenta**		0
			0 → 100		
	8	0-255	**Magenta Fine**		0
			Fine saturation		
7	9	0-255	**Yellow**		0
			0 → 100		
	10	0-255	**Yellow Fine**		0
			Fine saturation		
8	11	0-255	**CTO**		0
			0 → 100		
	12	0-255	**CTO Fine**		0
			Fine saturation		
9	13		**CRI**		127
		0-126	CRI 70 - 80		
		127	CRI 80 (Highest Output)		
		128-255	CRI 80 - 93		
10	14		**Color**	X	0
		0-19	Open		
		20-37	Red		
		38-55	Blue		
		56-73	Green		
		74-91	UV		
		92-109	Quad Color		
		110-127	Color Smoothing		
			Scroll		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise, slow → fast		
	15		**Color Fine**	X	0
		0-255	Position		
11	16		**Rotating Gobo**	X	0
		0-9	Open		
		10-19	Gobo 1		
		20-29	Gobo 2		
		30-39	Gobo 3		
		40-49	Gobo 4		
		50-59	Gobo 5		
		60-69	Gobo 6		
		70-77	Gobo 7		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
11	16		**Rotating Gobo (continued)**	X	0
		78-93	Gobo 1 shake, slow to fast		
		94-109	Gobo 2 shake, slow to fast		
		110-125	Gobo 3 shake, slow to fast		
		126-141	Gobo 4 shake, slow to fast		
		142-157	Gobo 5 shake, slow to fast		
		158-173	Gobo 6 shake, slow to fast		
		174-189	Gobo 7 shake, slow to fast		
			Scroll		
		190-221	Clockwise scroll, fast → slow		
		222-223	Stop		
		224-255	Counter-clockwise scroll, slow → fast		
12	17		**Rotating Gobo Index/Rotation**		0
		0-127	Index Position		
			Rotate		
		129-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise, slow → fast		
13	18		**Rotating Gobo Index/Rotation Fine**		0
		0-255	Index position		
14	19		**Rotating Gobo 2**	X	0
		0-9	Open		
		10-19	Gobo 1		
		20-29	Gobo 2		
		30-39	Gobo 3		
		40-49	Gobo 4		
		50-59	Gobo 5		
		60-69	Gobo 6		
		70-77	Gobo 7		
		78-93	Gobo 1 Shake, slow to fast		
		94-109	Gobo 2 Shake, slow to fast		
		110-125	Gobo 3 Shake, slow to fast		
		126-141	Gobo 4 Shake, slow to fast		
		142-157	Gobo 5 Shake, slow to fast		
		158-173	Gobo 6 Shake, slow to fast		
		174-189	Gobo 7 Shake, slow to fast		
			Scroll		
		190-221	Clockwise, fast → slow		
		222-223	Stop		
		224-255	Counter-clockwise. slow → fast		
15	20		**Rotating Gobo 2 Index / Rotation**		0
		0-127	Index Position		
			Rotate		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise. slow → fast		
16	21		**Rotating Gobo 2 Index / Rotation Fine**		0
		0-255	Index Position		
17	22		**Rotating Prism 1**	X	0
		0-63	Open		
		64-255	4-facet		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
18	23		**Rotating Prism 1 Index/Rotation**		0
		0-127	Index position		
			Rotate		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise, slow → fast		
	24		**Rotating Prism 1 Index/Rotation Fine**		0
		0-255	Index position		
19	25		**Rotating Prism 2**	X	0
		0-63	Open		
		64-255	4-facet linear		
20	26		**Rotating Prism 2 Index/Rotation**		0
		0-127	Index position		
			Rotate		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise, slow → fast		
	27		**Rotating Prism 2 Index/Rotation Fine**		0
		0-255	Index position		
21	28		**Focus**		127
		0-255	Infinity → Near		
22	29		**Focus Fine**		127
		0-255	Fine adjustment		
23	30		**Zoom**		127
		0-255	Narrow → Wide		
24	31		**Zoom Fine**		127
		0-255	Fine adjustment		
	32		**Auto Focus**		0
		0-4	Auto Focus Off		
		5-9	5.0m		
		10-14	5.2m		
		15-19	5.4m		
		20-24	5.6m		
		25-29	5.8m		
		30-34	6.0m		
		35-39	6.3m		
		40-44	6.5m		
		45-49	6.8m		
		50-54	7.0m		
		55-59	7.3m		
		60-64	7.5m		
		65-69	7.7m		
		70-74	8.0m		
		75-79	8.3m		
		80-84	8.5m		
		85-89	8.7m		
		90-94	9.0m		
		100-104	9.5m		
		105-109	9.8m		
		110-114	10.0m		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
	32		**Auto Focus (continued)**		0
		115-119	10.5m		
		120-124	11.0m		
		125-129	11.5m		
		130-134	12.0m		
		135-139	12.5m		
		140-144	13.0m		
		145-149	13.5m		
		150-154	14.0m		
		155-159	14.5m		
		160-164	15.0m		
		165-169	15.5m		
		170-174	16.0m		
		175-179	16.5m		
		180-184	17.0m		
		185-189	17.5m		
		190-193	18.0m		
		194-199	18.5m		
		200-204	19.0m		
		205-209	19.5m		
		210-214	20.0m		
		215-255	Idle		
	33		**Auto Focus Fine**		0
		0-255	Fine adjustment		
25	34		**Shutter / Strobe**	X	50
		0-31	Closed		
		32-63	Open		
		64-95	Strobe, slow → fast		
		96-127	Open		
		128-159	Pulse effect		
		160-191	Open		
		192-223	Random Strobe, slow → fast		
		224-255	Open		
26	35		**Dimmer**		0
		0-255	Intensity 0 → 100%		
27	36		**Dimmer Fine**		0
		0-255	Fine adjustment		
28	37		**Dim Modes**	X	0
		0-20	Standard		
		21-40	Stage		
		41-60	TV		
		61-80	Architectural		
		81-100	Theatre		
		101-120	Stage 2		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
28	37		**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		
		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	10.0s		
		142-255	Idle		
29	38		**Iris**		0
		0-191	Open → Close		
		192-223	Pulse Closing, fast → slow		
		224-255	Pulse Opening, slow → fast		
	39		**Iris Fine**		0
		0-255	Fine adjustment		
30	40		**Frost 1 (Soft)**		0
		0-255	Open → Max		
31	41		**Frost 2 (Wash)**		0
		0-255	Open → Max		
32	42		**Animation Wheel**		0
		0-7	Open		
		8-255	Min → Max		
			Fixed Gobo Wheel (optional)		0
		0-9	Open		
		10-19	Gobo 1		
		20-29	Gobo 2		
		30-39	Gobo 3		
		40-49	Gobo 4		
		50-59	Gobo 5		
		60-69	Gobo 6		
		70-89	Gobo 1 shake, slow to fast		
		90-109	Gobo 2 shake, slow to fast		
		110-129	Gobo 3 shake, slow to fast		
		130-149	Gobo 4 shake, slow to fast		
		150-169	Gobo 5 shake, slow to fast		
		170-189	Gobo 6 shake, slow to fast		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
32	42		**Scroll (optional)**		0
		190-221	Clockwise, fast → slow		
		222-223	Stop		
		224-255	Counter-clockwise, slow → fast		
33	43		**Animation Index**		64
		0-127	Position		
			Scroll		
		128-189	Clockwise, fast → slow		
		190-193	Stop		
		194-255	Counter-clockwise, slow → fast		
			Fixed Gobo Fine (optional)		127
		0-255	Fine Adjustment		
34	44	0-255	**Blade 1A**		0
			Open → Closed		
	45	0-255	**Blade 1A Fine**		0
			Fine adjustment		
35	46	0-255	**Blade 1B**		0
			Open → Closed		
	47	0-255	**Blade 1B Fine**		0
			Fine adjustment		
36	48	0-255	**Blade 2A**		0
			Open → Closed		
	49	0-255	**Blade 2A Fine**		0
			Fine adjustment		
37	50	0-255	**Blade 2B**		0
			Open → Closed		
	51	0-255	**Blade 2B Fine**		0
			Fine adjustment		
38	52	0-255	**Blade 3A**		0
			Open → Closed		
	53	0-255	**Blade 3A Fine**		0
			Fine adjustment		
39	54	0-255	**Blade 3B**		0
			Open → Closed		
	55	0-255	**Blade 3B Fine**		0
			Fine adjustment		
40	56	0-255	**Blade 4A**		0
			Open → Closed		
	57	0-255	**Blade 4A Fine**		0
			Fine adjustment		
41	58	0-255	**Blade 4B**		0
			Open → Closed		
	59	0-255	**Blade 4B Fine**		0
			Fine adjustment		
42	60		**Framing Rotation**		127
		0-126	Min (-120°)		
		127-128	Parallel (0°)		
		129-255	Max (+120°)		
	61		**Framing Rotation Fine**		0
		0-255	Fine adjustment		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
	62		**Framing Macro Speed**		0
		0-255	Max → Min Speed		
	63		**Framing Macro**	X	0
		0-7	Off		
		8-15	Macro 1		
		16-23	Macro 2		
		24-31	Macro 3		
		32-39	Macro 4		
		40-47	Macro 5		
		48-55	Macro 6		
		56-63	Macro 7		
		64-71	Macro 8		
		72-79	Macro 9		
		80-87	Macro 10		
		88-95	Macro 11		
		96-103	Macro 12		
		104-111	Macro 13		
		112-119	Macro 14		
		120-127	Macro 15		
		128-135	Macro 16		
		136-143	Macro 17		
		144-151	Macro 18		
		152-159	Macro 19		
		160-167	Macro 20		
		168-175	Macro 21		
		176-183	Macro 22		
		184-191	Macro 23		
		192-199	Macro 24		
		200-207	Macro 25		
		208-215	Macro 26		
		216-223	Macro 27		
		224-231	Macro 28		
		232-239	Macro 29		
		240-247	Macro 30		
		248-255	Macro 31		
	64		**Pan/Tilt Speed**	X	0
		0-225	Max → Min Speed		
		226-235	Blackout by movement		
		236-245	Blackout by wheel changes		
		246-255	No Function		
43	65		**Control**	X	0
		0-19	Wheel Snap		
		20-29	Color Wheel Fade		
		30-39	Color/Gobo Wheel Fade		
			Fan Mode		
		40-44	Studio		
		45-49	Mute		
		50-59	Low		
		60-69	High		
		70-79	Auto (default)		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
43	65		**Reset**	X	0
		80-84	Fixture		
		85-87	Pan Tilt		
		88-90	Color		
		91-93	Gobo		
		94-96	Focus Zoom		
		97-99	Other Features		
			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		
		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 (default)		
		131	1210		
		132	1220		
		133	1230		
		134	1240		
		135	1250		
		136	1260		
		137	1270		
		138	1280		
		139	1290		
		140	1300		
		141	1310		
		142	1320		

DMX TRAITS

Features subject to change without notice					
MODE/CHANNEL			FUNCTION	SNAP	DEFAULT VALUE
STANDARD	EXTENDED	VALUES			
43	65		**Refresh Rate (Hz) (continued)**	X	0
		143	1330		
		144	1340		
		145	1350		
		146	1360		
		147	1370		
		148	1380		
		149	1390		
		150	1400		
		151	1410		
		152	1420		
		153	1430		
		154	1440		
		155	1450		
		156	1460		
		157	1470		
		158	1480		
		159	1490		
		160	1500		
		161	2500		
		162	4000		
		163	5000		
		164	6000		
		165	10000		
		166	15000		
		167	20000		
		168	25000		
		169-170	CMY Smooth		
		171-172	CMY Fast (default)		
		173-174	Hibernation Off		
		175-176	Hibernation		
		177-178	Sun Protection On (default)		
		179-180	Sun Protection Off		
		181-190	Pan Tilt Smooth		
		191-200	Pan Tilt Fast (default)		
			Dimmer Curve		
		201-210	Linear		
		211-220	Square		
		221-230	Inverse Square		
		231-240	S-Curve (default)		
		241-242	Color Smoothing Disable (default)		
		243-244	Color Smoothing Enable		
		245-249	Idle		
		250-251	Display Off		
		252-253	Display On (default)		
		254-255	Idle		

ERROR CODES

When powered on, the unit will automatically enter a “Reset/Test” mode, which brings all the internal motors to home position. If an internal problem is detected with one or more of the motors, an error code will flash in the display in the form of “XX Er”, where XX represents an error code. For example, when the display shows “Pan Er” it means there is some type of error with the Pan motor. If there are multiple errors during the start-up process, they will all be shown in the display. For example, if the fixtures has errors with the pan, tilt, and cyan motors all at the same time, you will see the error message “Pan Er”, “Tilt Er”, and “Cyan Color Er” repeated 5 times.

If an error occurs during the initial start-up procedure, the fixture will self-generate a second reset signal and try to realign all the motors and correct the errors. If the error persists after a second attempt, a third attempt will be made. If after a third attempt all the errors have not been corrected, the fixture will proceed according to the guidelines below:

- **3 or More Errors:** The fixture cannot function properly with three or more different types of errors, and therefore the fixture will place itself in a stand-by mode until repairs can be made.
- **Less Than 3 Errors:** Most other functions will work properly. The fixture will attempt to operate normally until the errors can be corrected by a technician. The errors in question will remain flashing in the display as a reminder of internal errors.

Error Codes subject to change without notice	
ERROR CODES	**DESCRIPTION**
Pan Er	Pan motor error
Tilt Er	Tilt motor error
Cyan Color Er	Cyan motor error
Magenta Color Er	Magenta motor error
Yellow Color Er	Yellow motor error
CTO Color Er	CTO motor error
Gobo Wheel Er	Gobo wheel motor error
Gobo Rot Er	Gobo rotation motor error
Zoom Er	Zoom motor error
Iris Er	Iris motor error
Focus Er	Focus motor error
Frost Er	Frost motor error

SOFTWARE UPDATES

E-LOADER III

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.

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

https://www.elationlighting.com/e-loader-iii-software-uploader

To order the E-Loader III uploader and the updated software for your fixture, please contact Elation support for details.

Alternately, updates can be performed over the Aria connection.

SOFTWARE UPDATES

ETHERNET UPDATER

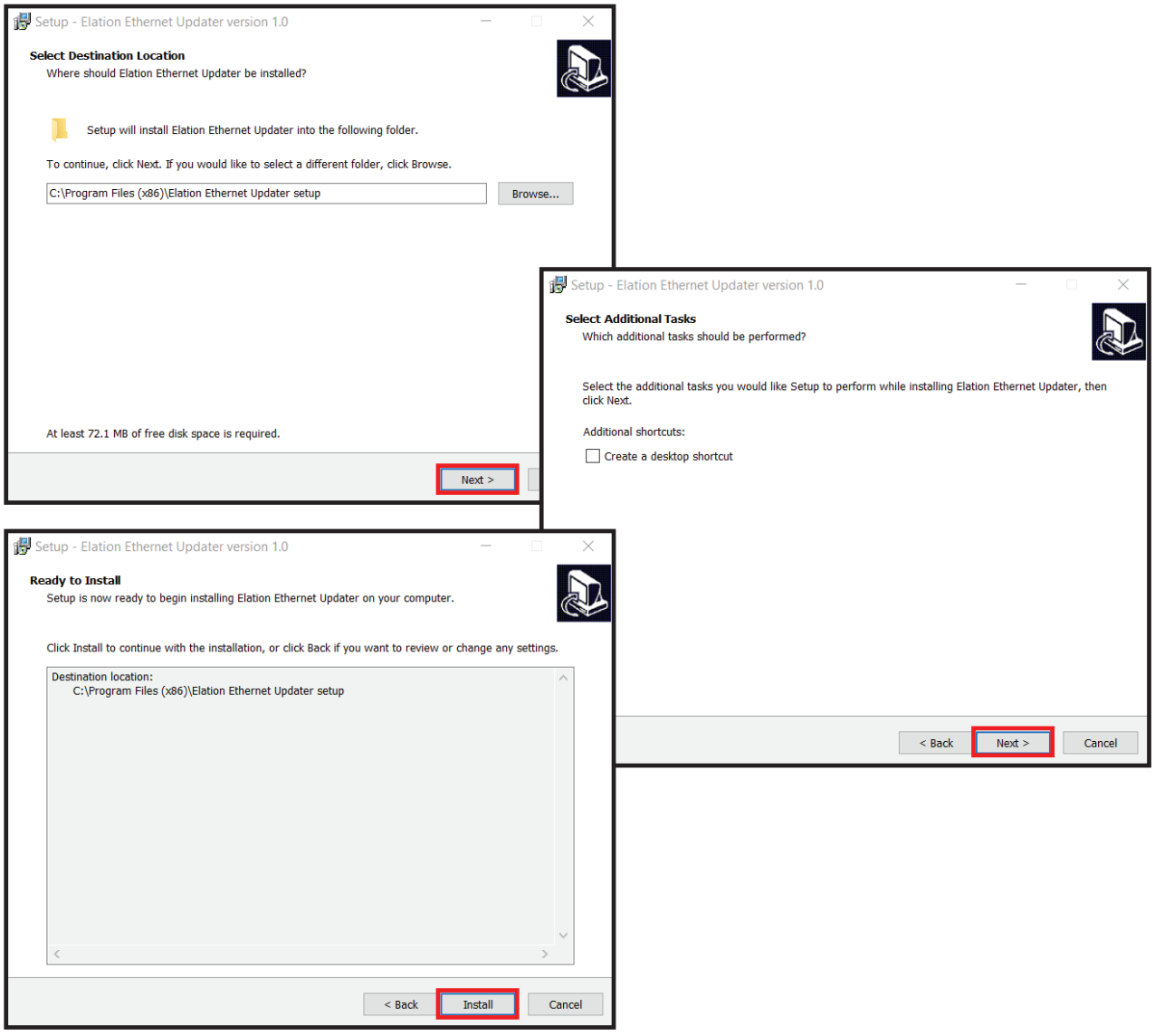
Software updates for this fixture can be performed using the Elation Ethernet Updater. Contact Elation Service to obtain this updater device:

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

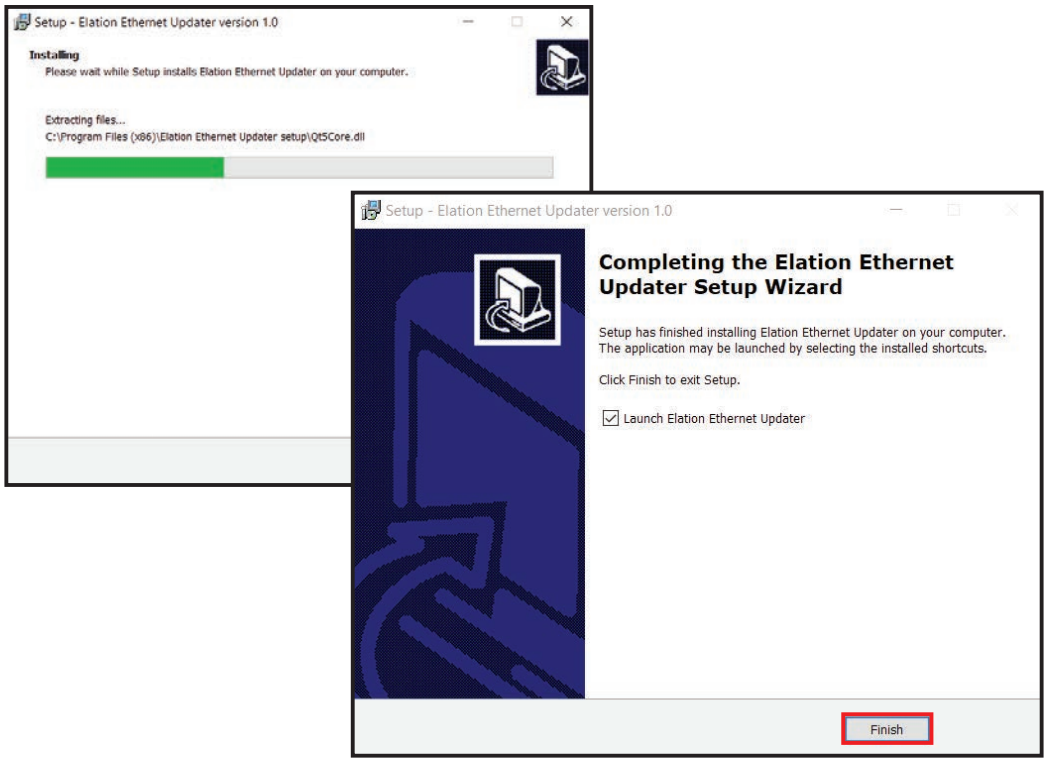
ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
+31 45 546 85 63 | Fax +31 45 546 85 96 | support@elationlighting.eu

The Elation Ethernet Updater is an EXE file, which only works on a PC System. Once you've received the Elation Ethernet Updater RAR file from Elation Service via email, download and extract the EXE file. With the file extracted, click Elation Ethernet Updater setupV100.exe to launch the installation wizard.

Follow the prompts once the Elation Ethernet Updater EXE has launched the Setup Wizard.



SOFTWARE UPDATES
ETHERNET UPDATER



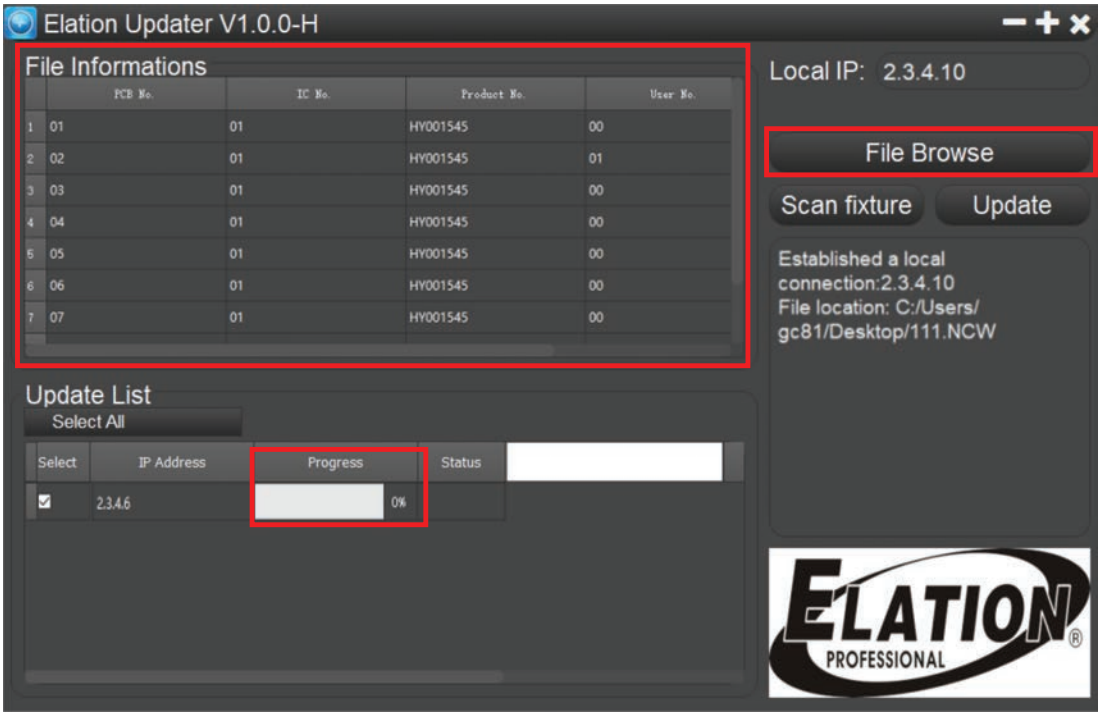
Once you have installed the Elation Ethernet Updater, it will launch automatically (unless you unchecked “Launch Elation Ethernet Updater”), or you can open it any time by clicking on the icon.

SOFTWARE UPDATES

ETHERNET UPDATER

Once opened, your local IP will automatically be identified. Click “Scan fixture” and create a connection. The fixture identity will appear in the Update List on the left side of browser. A connection will fail to establish if the fixture IP and Local IP are not in the same network segment.

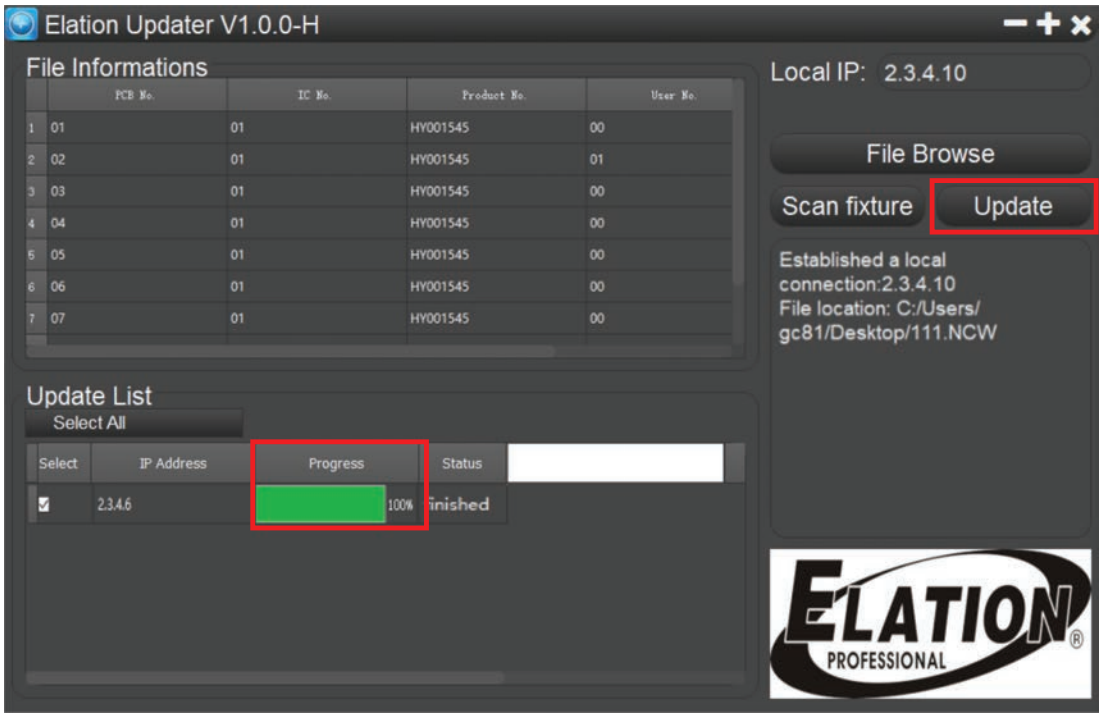
Click “File Browse” to select the files you want to download. The download Progress is displayed in the File information chart as a percentage bar graph.



SOFTWARE UPDATES

ETHERNET UPDATER

Click Update, then wait for the download Progress to reach 100% before closing Updater. The Elation Ethernet Updater can update up to 31 fixtures via connection to a PC.



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. Clean periodically 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.

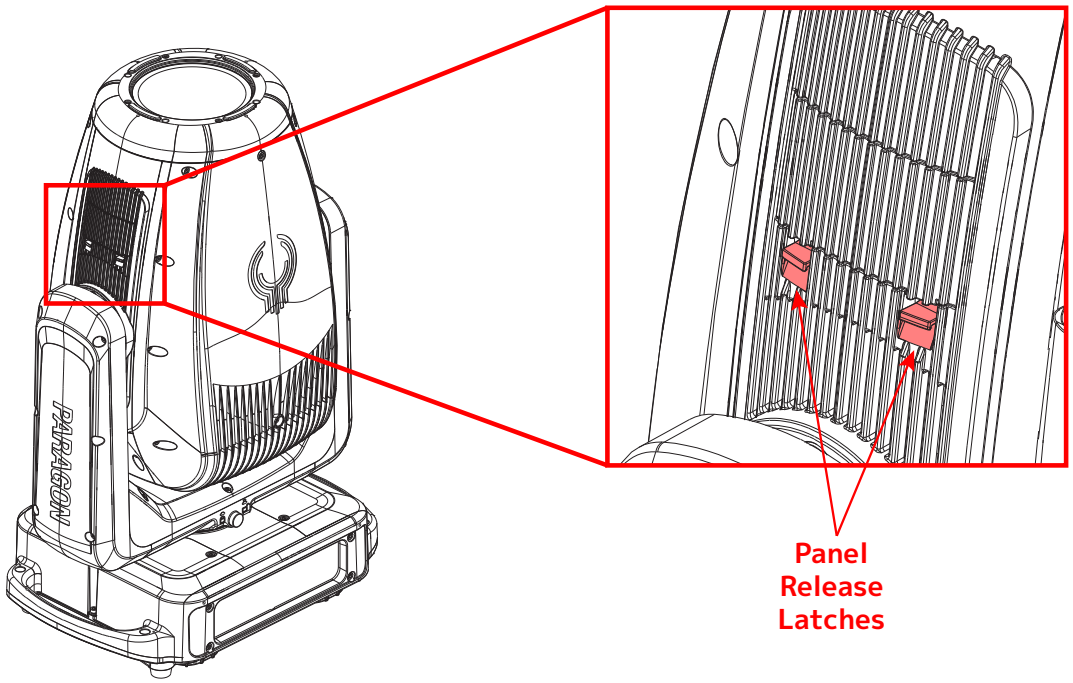
Please refer to the following points during routine inspections:

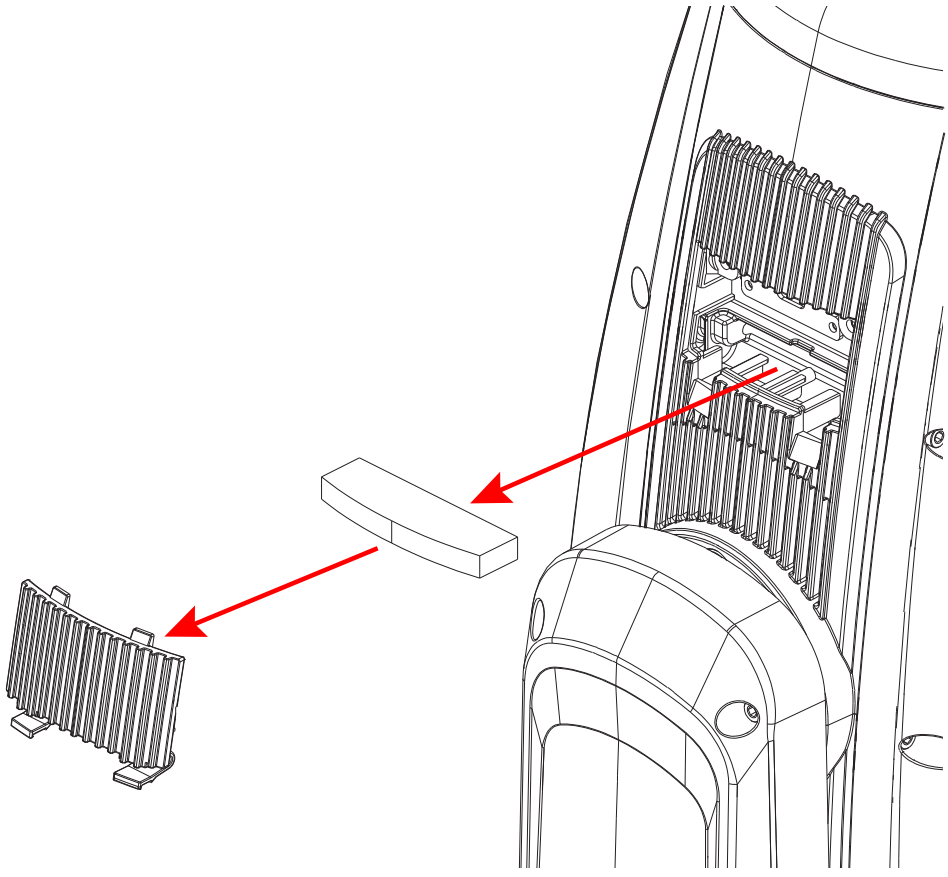
- A detailed electrical check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in 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.

MAINTENANCE GUIDELINES

FILTER REPLACEMENT

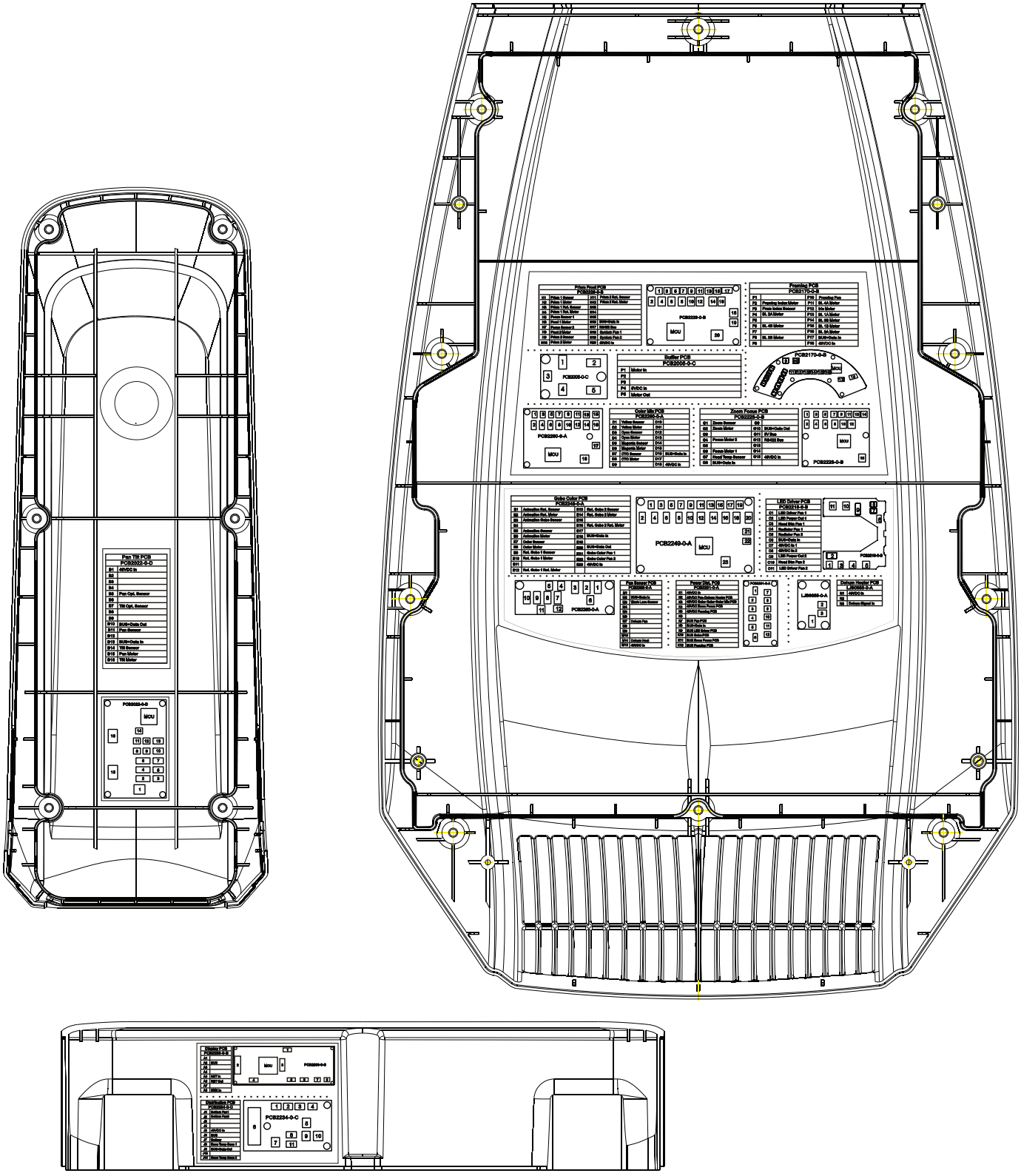
This fixture features a replaceable filter located behind a removable panel in the vent on one side of the head, just above the attachment point for the fixture arm. To replace the filter, release both latches on the panel, then remove it to reveal the filter. Remove the old filter and replace with a new filter. **The filter should be replaced every 6 months.**





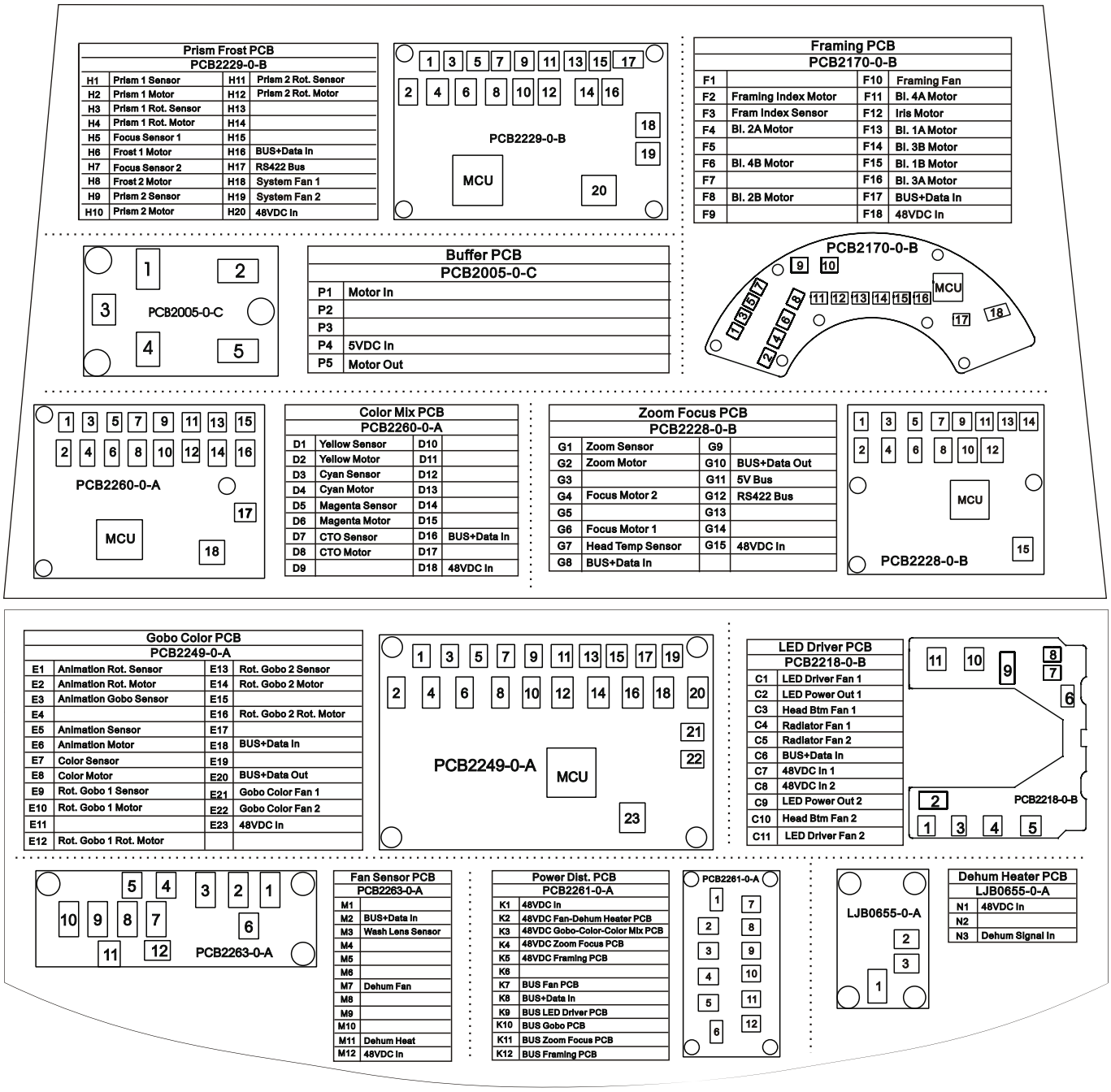
WIRING LABELS

This unit features wiring labels located on the inside of the head cover panel, arm cover panel, and base side cover panel, as shown below. Label detail can be found on the following pages.



WIRING LABELS

HEAD LABEL DETAIL



Prism Frost PCB			
PCB2229-0-B			
H1	Prism 1 Sensor	H11	Prism 2 Rot. Sensor
H2	Prism 1 Motor	H12	Prism 2 Rot. Motor
H3	Prism 1 Rot. Sensor	H13	
H4	Prism 1 Rot. Motor	H14	
H5	Focus Sensor 1	H15	
H6	Frost 1 Motor	H16	BUS+Data In
H7	Focus Sensor 2	H17	RS422 Bus
H8	Frost 2 Motor	H18	System Fan 1
H9	Prism 2 Sensor	H19	System Fan 2
H10	Prism 2 Motor	H20	48VDC In

Framing PCB			
PCB2170-0-B			
F1		F10	Framing Fan
F2	Framing Index Motor	F11	BI. 4A Motor
F3	Fram Index Sensor	F12	Iris Motor
F4	BI. 2A Motor	F13	BI. 1A Motor
F5		F14	BI. 3B Motor
F6	BI. 4B Motor	F15	BI. 1B Motor
F7		F16	BI. 3A Motor
F8	BI. 2B Motor	F17	BUS+Data In
F9		F18	48VDC In

Buffer PCB	
PCB2005-0-C	
P1	Motor In
P2	
P3	
P4	5VDC In
P5	Motor Out

Color Mix PCB			
PCB2260-0-A			
D1	Yellow Sensor	D10	
D2	Yellow Motor	D11	
D3	Cyan Sensor	D12	
D4	Cyan Motor	D13	
D5	Magenta Sensor	D14	
D6	Magenta Motor	D15	
D7	CTO Sensor	D16	BUS+Data In
D8	CTO Motor	D17	
D9		D18	48VDC In

Zoom Focus PCB			
PCB2228-0-B			
G1	Zoom Sensor	G9	
G2	Zoom Motor	G10	BUS+Data Out
G3		G11	5V Bus
G4	Focus Motor 2	G12	RS422 Bus
G5		G13	
G6	Focus Motor 1	G14	
G7	Head Temp Sensor	G15	48VDC In
G8	BUS+Data In		

Gobo Color PCB			
PCB2249-0-A			
E1	Animation Rot. Sensor	E13	Rot. Gobo 2 Sensor
E2	Animation Rot. Motor	E14	Rot. Gobo 2 Motor
E3	Animation Gobo Sensor	E15	
E4		E16	Rot. Gobo 2 Rot. Motor
E5	Animation Sensor	E17	
E6	Animation Motor	E18	BUS+Data In
E7	Color Sensor	E19	
E8	Color Motor	E20	BUS+Data Out
E9	Rot. Gobo 1 Sensor	E21	Gobo Color Fan 1
E10	Rot. Gobo 1 Motor	E22	Gobo Color Fan 2
E11		E23	48VDC In
E12	Rot. Gobo 1 Rot. Motor		

LED Driver PCB	
PCB2218-0-B	
C1	LED Driver Fan 1
C2	LED Power Out 1
C3	Head Btm Fan 1
C4	Radiator Fan 1
C5	Radiator Fan 2
C6	BUS+Data In
C7	48VDC In 1
C8	48VDC In 2
C9	LED Power Out 2
C10	Head Btm Fan 2
C11	LED Driver Fan 2

Fan Sensor PCB	
PCB2263-0-A	
M1	
M2	BUS+Data In
M3	Wash Lens Sensor
M4	
M5	
M6	
M7	Dehum Fan
M8	
M9	
M10	
M11	Dehum Heat
M12	48VDC In

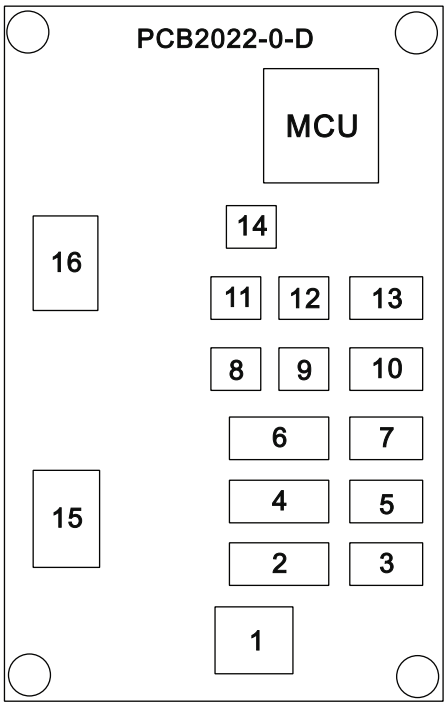
Power Dist. PCB	
PCB2261-0-A	
K1	48VDC In
K2	48VDC Fan-Dehum Heater PCB
K3	48VDC Gobo-Color-Color Mix PCB
K4	48VDC Zoom Focus PCB
K5	48VDC Framing PCB
K6	
K7	BUS Fan PCB
K8	BUS+Data In
K9	BUS LED Driver PCB
K10	BUS Gobo PCB
K11	BUS Zoom Focus PCB
K12	BUS Framing PCB

Dehum Heater PCB	
LJB0655-0-A	
N1	48VDC In
N2	
N3	Dehum Signal In

WIRING LABELS

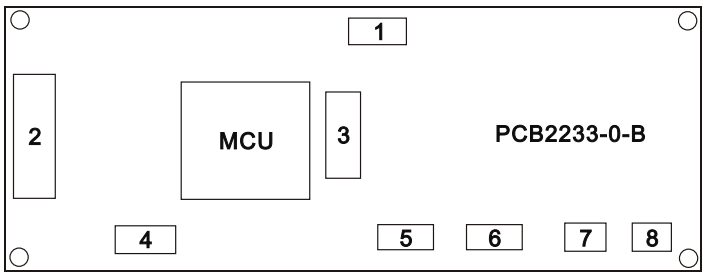
ARM LABEL DETAIL

Pan Tilt PCB	
PCB2022-0-D	
B1	48VDC In
B2	
B3	
B4	
B5	Pan Opt. Sensor
B6	
B7	Tilt Opt. Sensor
B8	
B9	
B10	BUS+Data Out
B11	Pan Sensor
B12	
B13	BUS+Data In
B14	Tilt Sensor
B15	Pan Motor
B16	Tilt Motor

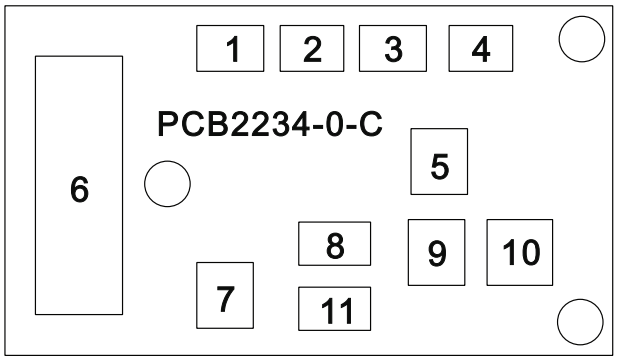


BASE LABEL DETAIL

Display PCB	
PCB2233-0-B	
A1	
A2	BUS
A3	
A4	
A5	NET In
A6	NET Out
A7	
A8	DMX In



Distribution PCB	
PCB2234-0-C	
J1	Bottom Fan1
J2	Bottom Fan2
J3	
J4	
J5	48VDC In
J6	BUS
J7	Battery
J8	Base Temp Sens 1
J9	BUS+Data Out
J10	
J11	Base Temp Sens 2



SPECIFICATIONS

SOURCE
High Efficiency 900W 6,500K Variable CRI White LED Engine
30,000 Hour Average LED Life*
*Test lab conditions. May vary depending on several factors including but not limited to: Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

PHOTOMETRIC DATA
37200 Total Lumen Fixture Output @ CRI 80
TruTone variable CRI up to CRI 93

Profile Lens (standard)
Zoom Range 4.5° - 52°
Beam Angle 4° - 48.6°
Field Angle 4.4° - 52°
Cutoff Angle 4.5° - 54.2°

PC Lens (optional)
Zoom Range 6° - 50°
Beam Angle 3.7° - 44.5°
Field Angle 5.8° - 50.2°
Cutoff Angle 6.7° - 52.1°

Fresnel Lens (optional)
Zoom Range 9° - 55°
Beam Angle 4.5° - 46.8°
Field Angle 8.9° - 54°
Cutoff Angle 13.4° - 60.4°

EFFECTS
Motorized Zoom
4 Full Blackout Framing Blades, +/-45° Index
+/-120° Framing Index
Full 360° Bi-Directional Animation Wheel
4-Facet Round and Linear Rotating Prisms
2 Variable Frost Filters (Light and Wash)
Motorized Iris with Variable Pulse Effects
Variable 16-bit Dimming Curve Modes
High Speed Electronic Shutter and Strobe
DMX Controllable LED Refresh Rate
Pan Angle: 540°
Tilt Angle: 260°

COLOR
CMY Color Mixing
Linear CTO Color Correction
6 Dichroic Colors including UV Filter, Quad Color
TruTone variable CRI 70-93

GOBOS
2x 7 Rotating / Indexing Interchangeable Glass Gobos

CONTROL / CONNECTIONS
4 DMX Channel Modes
16-bit Pan, Tilt and Dimming Control
5 Fan modes for ultra quiet operation
DMX, RDM, Art-NET, sACN Protocol Support
(4) Button Touch Control Panel
Full Color 180° Reversible LCD Menu Display
NFC on bottom and front of fixture base
Hibernation Mode (Power Save)
IP65 Locking 5pin XLR In/Out
IP65 Locking RJ45 Ethernet In/Out
IP65 Locking Power In

SIZE / WEIGHT
Length: 17.5 in (444mm)
Width: 12.4 in (315mm)
Height: 26.6 in (680 mm)
Weight: 70.5 lbs. (32 kg)

MOUNTING
2x 180mm Omega Bracket
2x M12 Screw Hole
Fixture can be mounted in any orientation

ELECTRICAL
AC 100-240V 50/60Hz
Max Power Consumption 1400W
-4°F to 113°F (-20°C to 45°C)

INCLUDED ITEMS
Omega Brackets (x2)
IP65 Rated Locking Power Cable
Stainless Steel Safety Wire
Foam Inlay

APPROVALS / RATINGS
CE | cETLus | FCC | UKCA | IP54

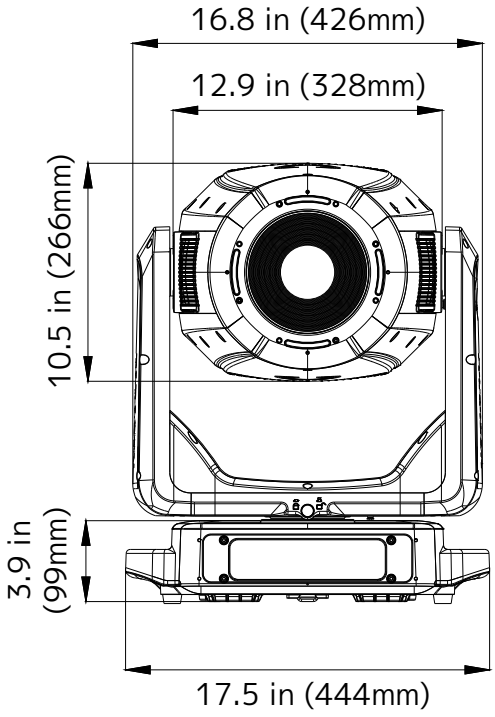
Intertek 3104374

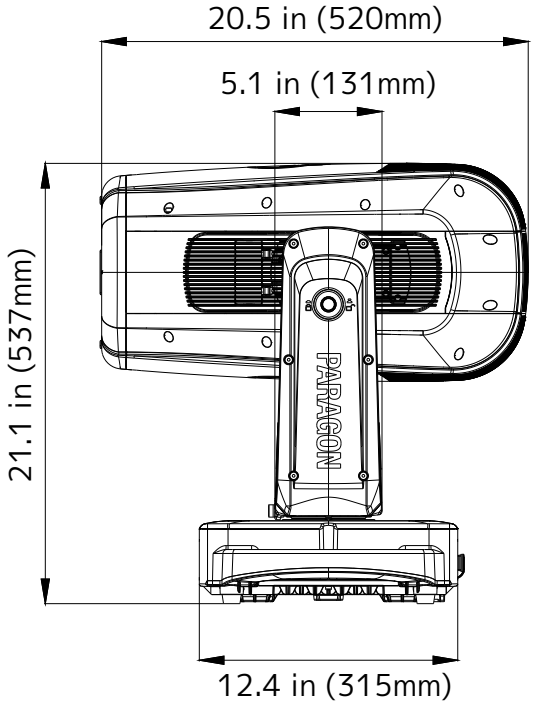
IP54

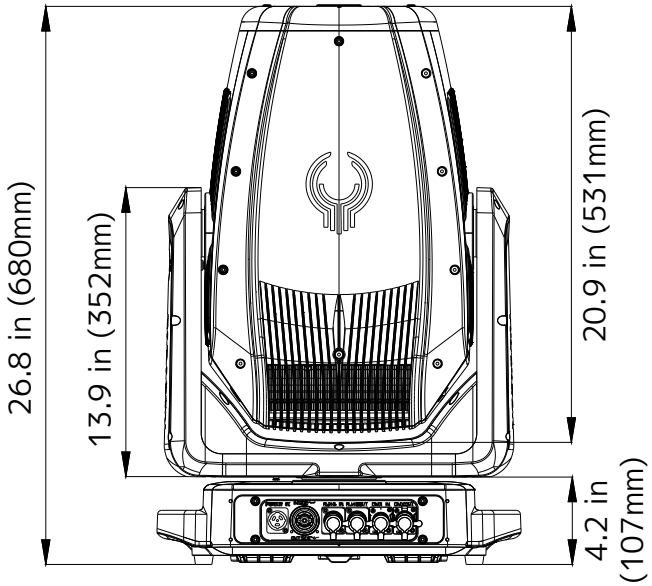
Specifications and documentation subject to change without notice.

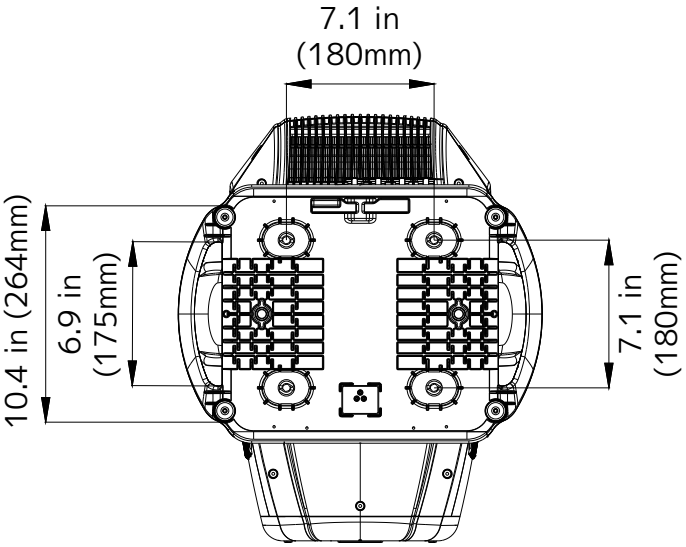
DIMENSIONAL DRAWINGS

Drawings not to scale









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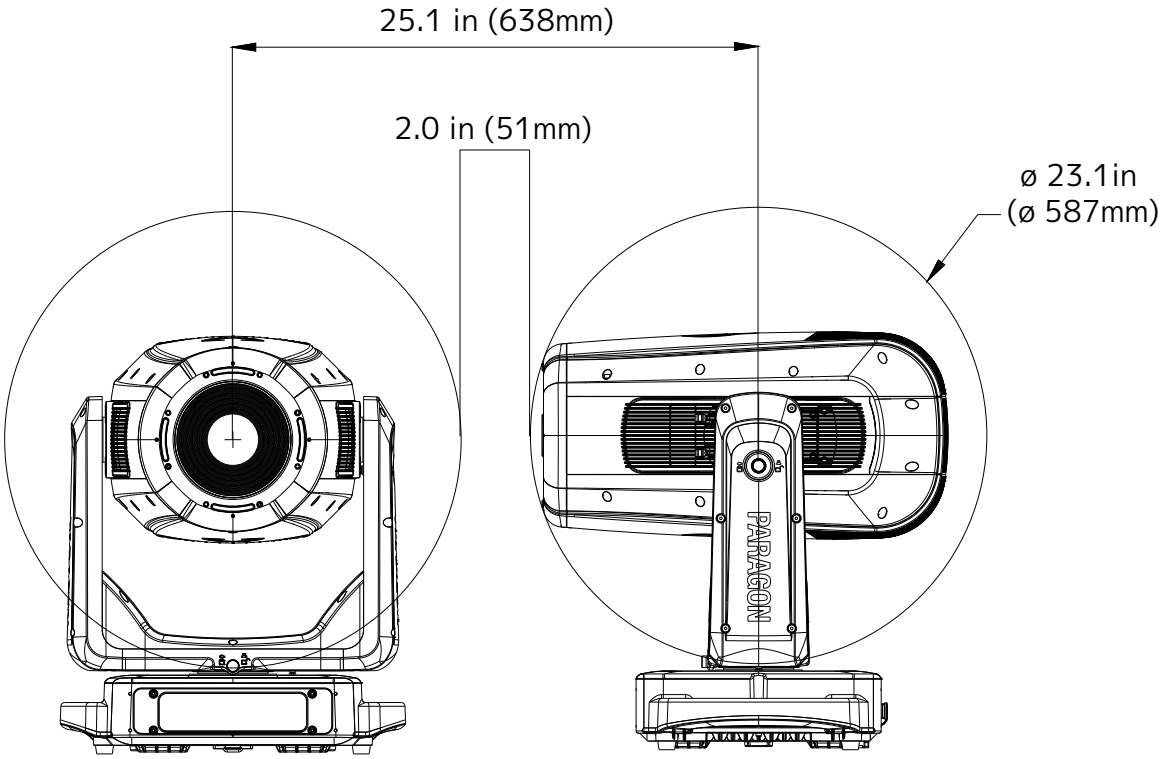

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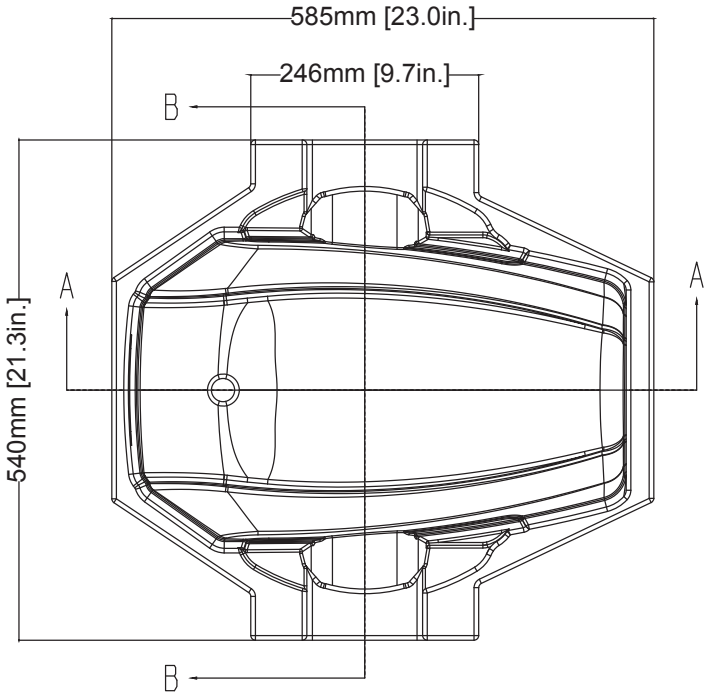

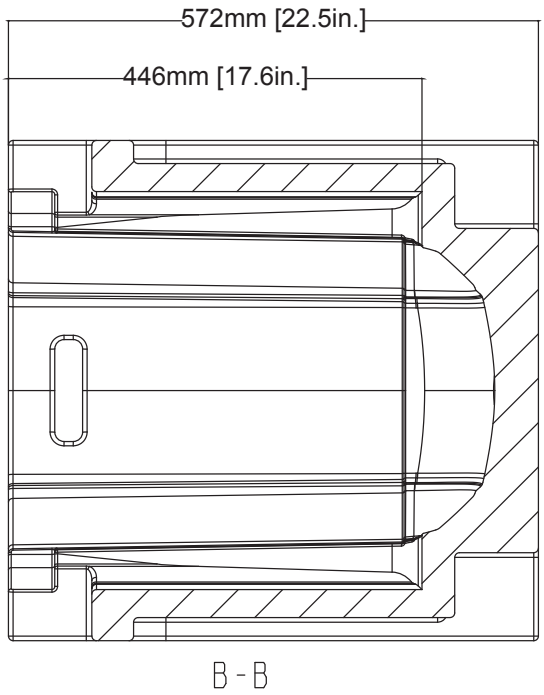

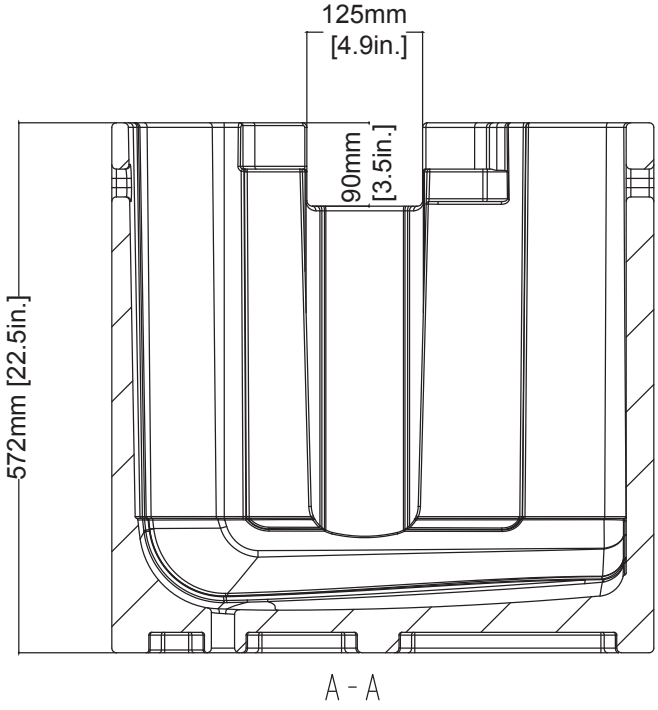

ORDERING INFORMATION

SKU (US)	SKU (EU)	ITEM DESCRIPTION
PAR112	1237000351	Paragon M
PAR148	NA	Paragon M Fresnel Lens
PAR172	NA	Paragon M PC Lens
PAR124	NA	Paragon M Snoot

FCC STATEMENT

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

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

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!