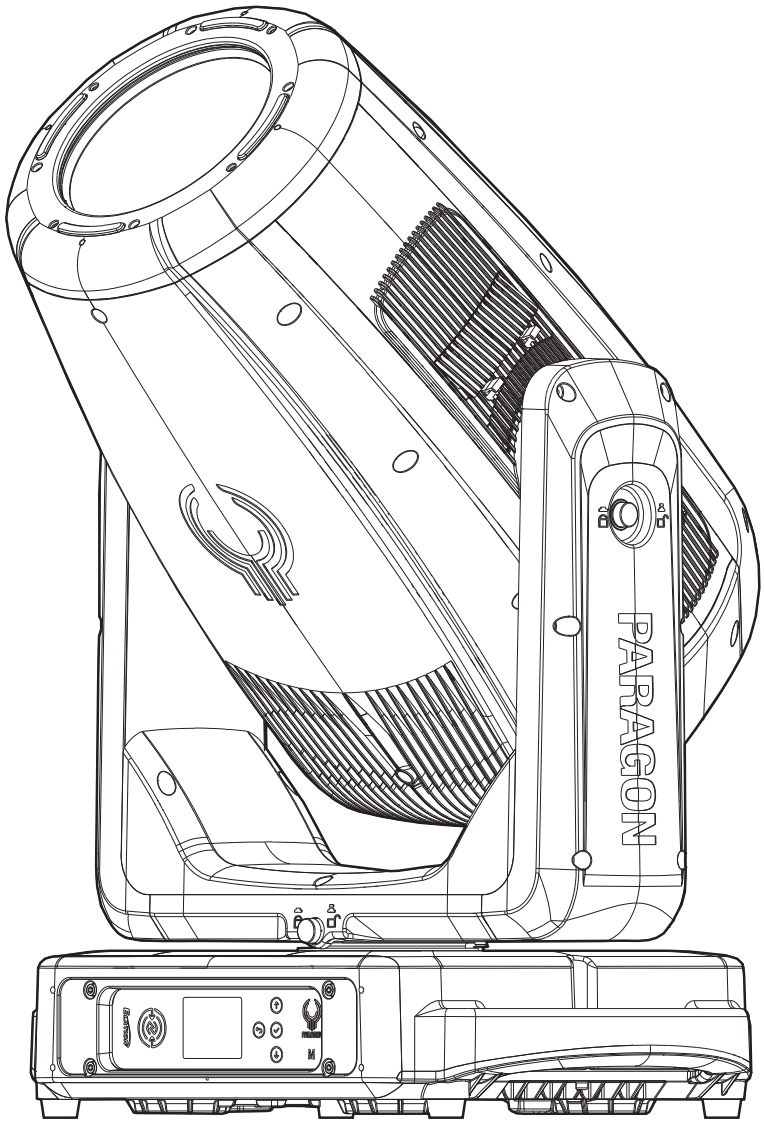
ELATION®



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
02/28/25	1.2	N/C	43 / 65 Ch	Updated Safety Guidelines, Overview, Installation Guidelines, Gobo, Color, and Effects, System Menu, Movement and Color Settings, DMX Traits, Specifications
04/14/25	1.3	N/C	No Change	Updated Custom Gobos, Specifications, Ordering Info; Added Animation Wheel Dimensions, Animation Wheel Replacement
05/02/25	1.4	N/C	No Change	Updated Installation Guidelines, Maintenance Guidelines, Gobos, Colors, and Effects
06/20/25	1.5	1.2.3	43 / 65 / 43 / 65 Ch	Added: Theater Mode, Framing Macros, Refresh Rates, Ultra Dimming; Updated: RDM, System Menu, Dimmer Control, Fan Control, Movement and Color Settings, Specifications, Dimensional Drawings, Error Codes
07/16/25	1.6	N/C	No Change	Added Pan & Tilt position information
01/20/26	1.7	N/C	No Change	Updated General Info, Installation Guidelines, Aria Setup and Guidelines; Added Gobo Wheel Dimensions

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GENERAL INFORMATION

FOR PROFESSIONAL USE ONLY

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information.

COOLING

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

UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

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

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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REPLACEMENT PARTS please visit parts.elationlighting.com

LIMITED WARRANTY

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

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

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

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

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

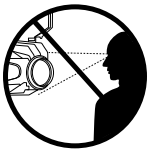
This fixture is a sophisticated piece of electronic equipment. To guarantee smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the 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

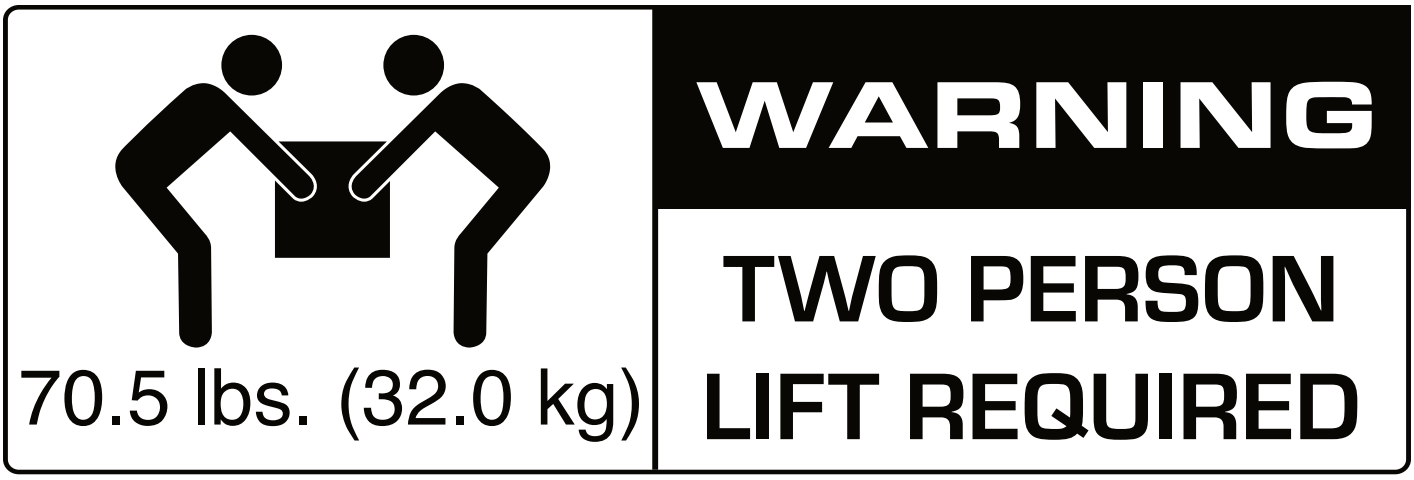


NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

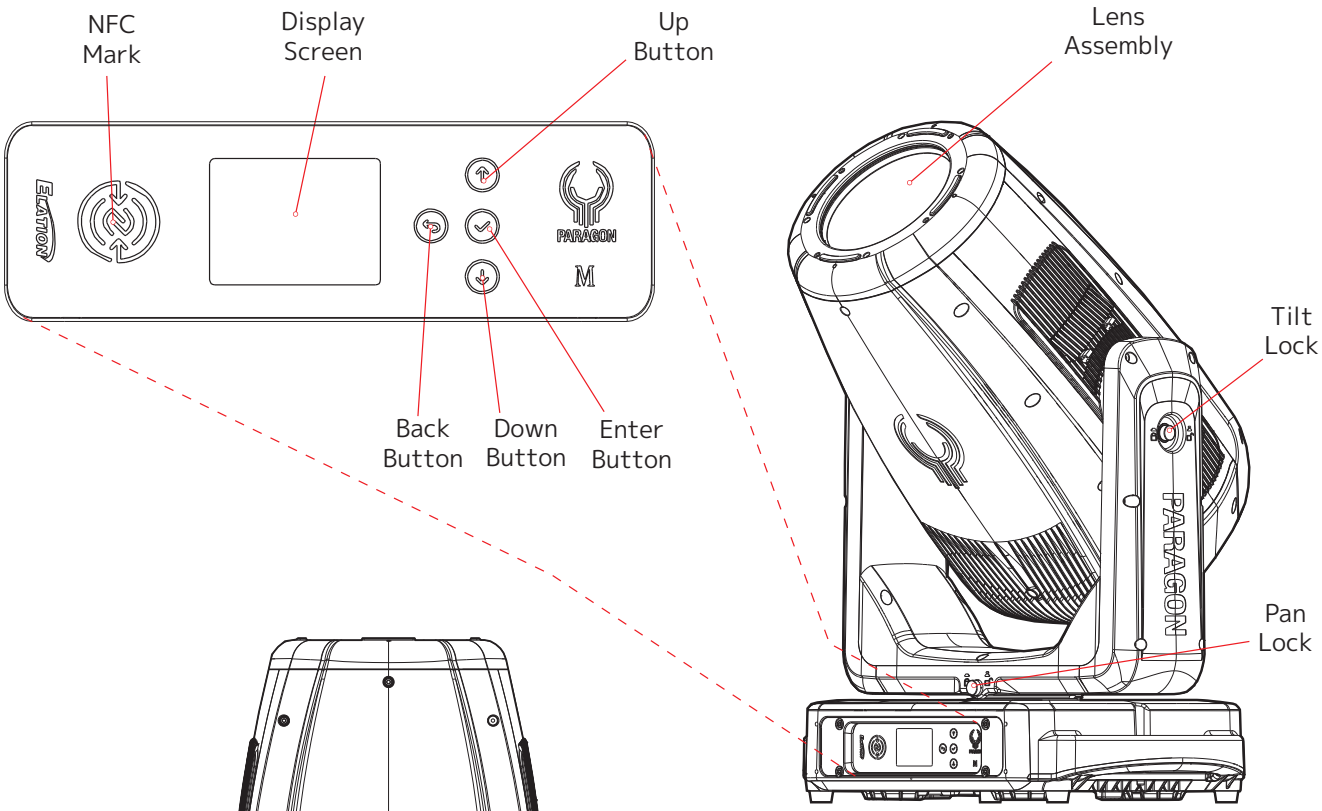
FIXTURE SHOULD BE PLACED A MINIMUM OF 1.6 FEET (0.5 METERS) FROM ANY NEARLY OBJECTS OR SURFACES.
FIXTURE SHOULD BE PLACED A MINIMUM OF 13.1 FEET (4 METERS) FROM ANY FLAMMABLE MATERIALS.
OPERATING TEMPERATURE RANGE IS IS -4°F TO 113°F (-20°C TO 45°C).

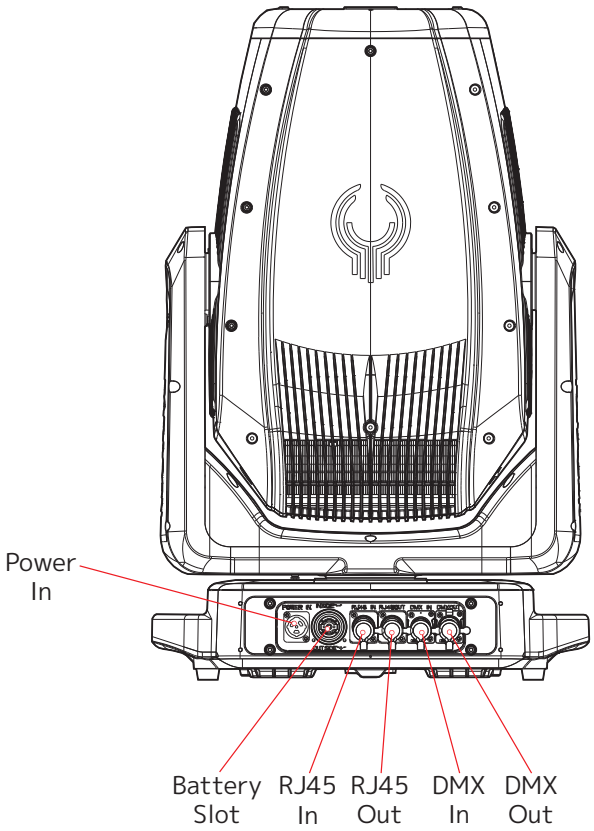
SAFETY GUIDELINES

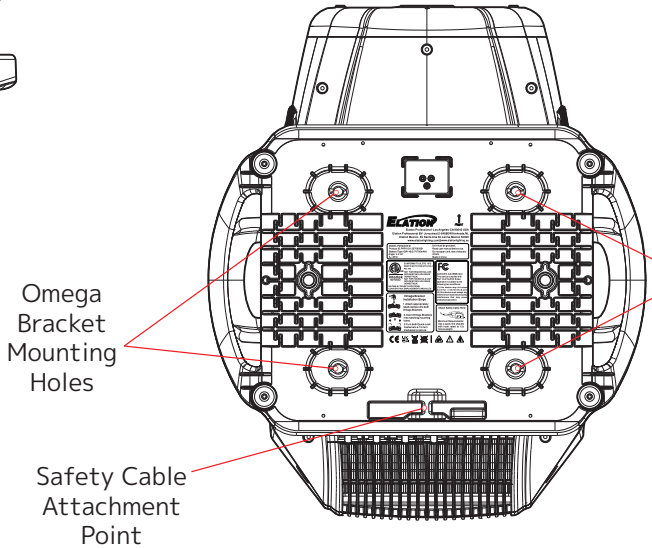
- **DO NOT** shake fixture, and avoid using brute force when installing and/or operating the fixture.
- **DO NOT** operate the fixture if the power cord is frayed, crimped, damaged, and/or if any of the power cord connectors are damaged and do not plug into the fixture securely with ease.
- **NEVER** 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.

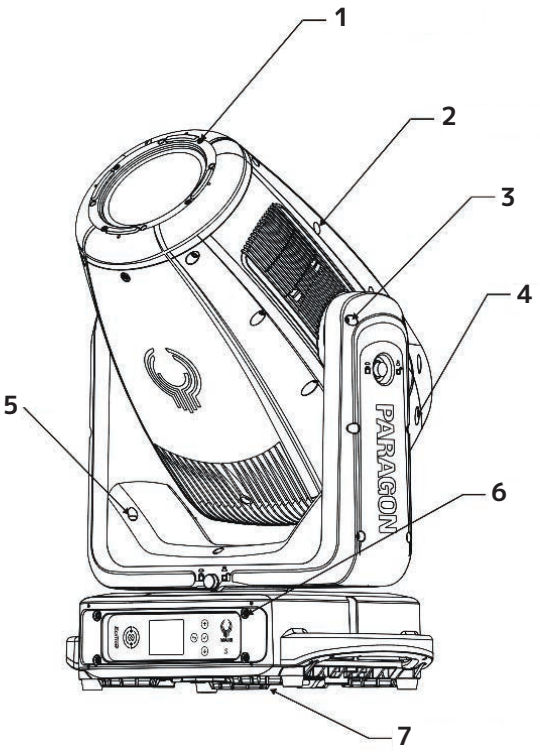
TORQUE SETTINGS FOR SCREWS

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 13.1 feet (4m) 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.

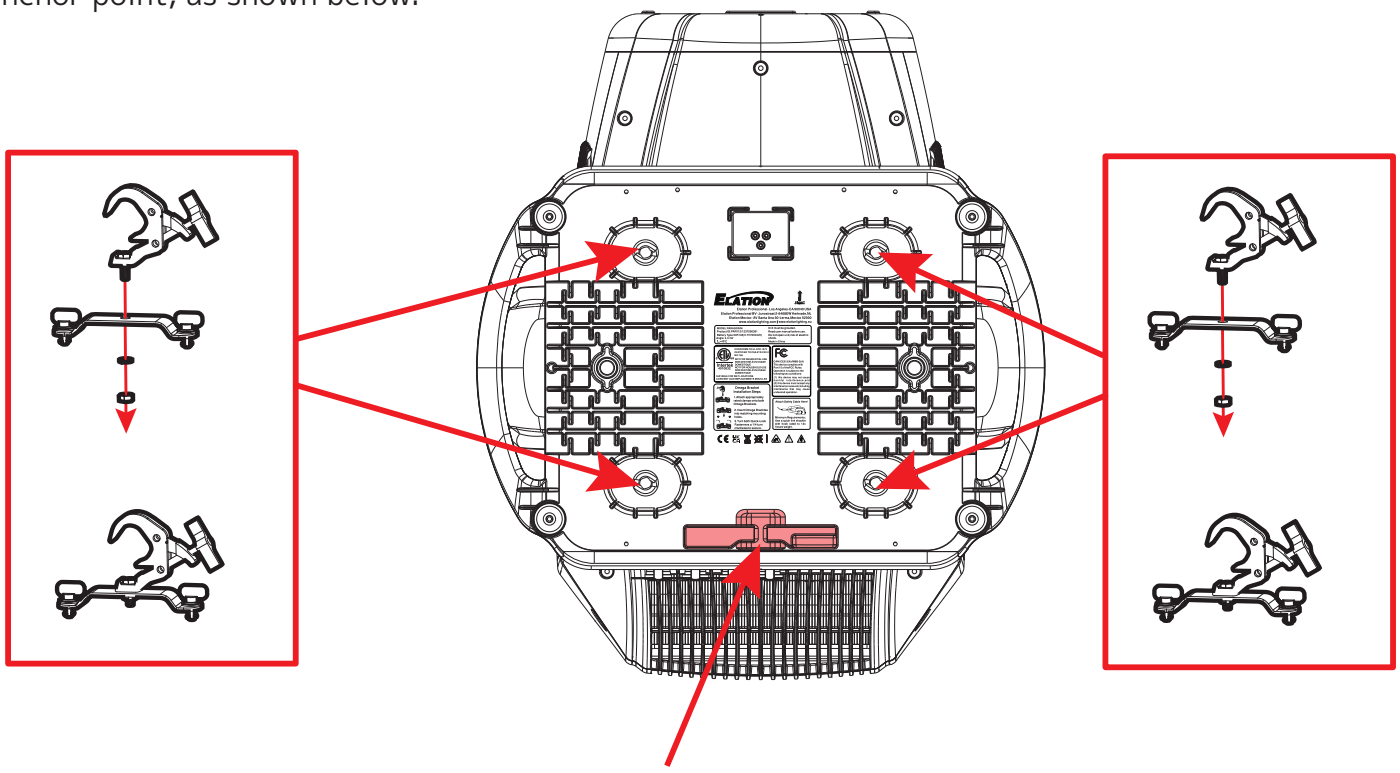
TRANSPORTATION AND STORAGE

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

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

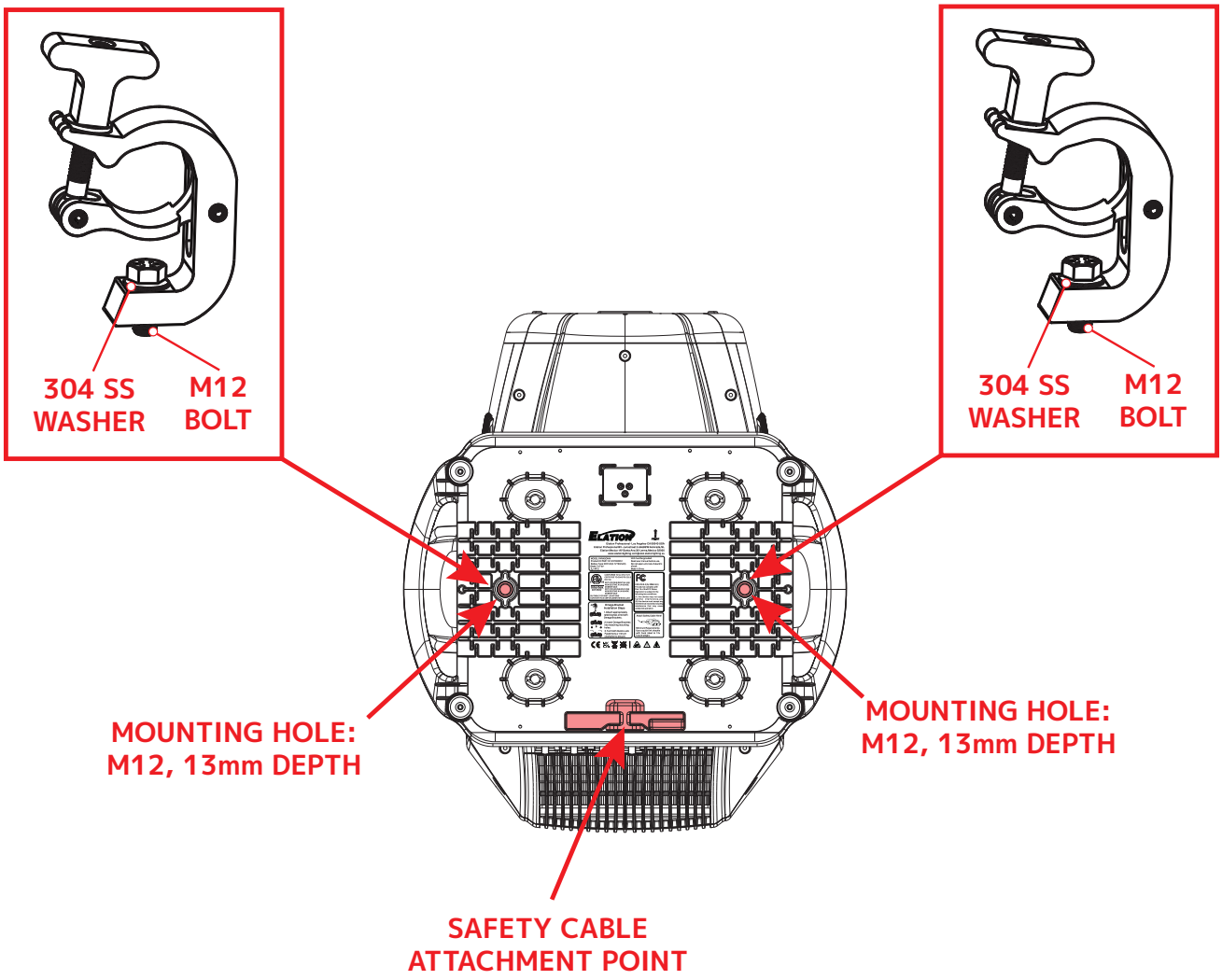
ALWAYS ATTACH AN APPROPRIATELY RATED SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT IN ORDER TO ENSURE THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

INSTALLATION GUIDELINES

CLAMP INSTALLATION

Alternately, clamps can be installed directly to the designated mounting holes on the bottom of the fixture's base, which have a **depth of 13mm** and are designed to accept M12 bolts. Align the hole in the bottom of the clamp with the mounting hole on the fixture, then slip a 304 stainless steel M12 spring washer onto a 304 stainless steel bolt. Insert the bolt through both the hole in the clamp and the mounting hole on the fixture, then tighten to secure in place. **Please note that the length of the M12 bolts must be carefully selected to ensure that the bolts thread fully into the mounting holes, while the bottom of the head should sit securely against the washer and clamp surface.** The dimensions of the clamp, bolt, and mounting hole depth should be taken into account when selecting your bolt length.

Please note that two mounting clamps 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.

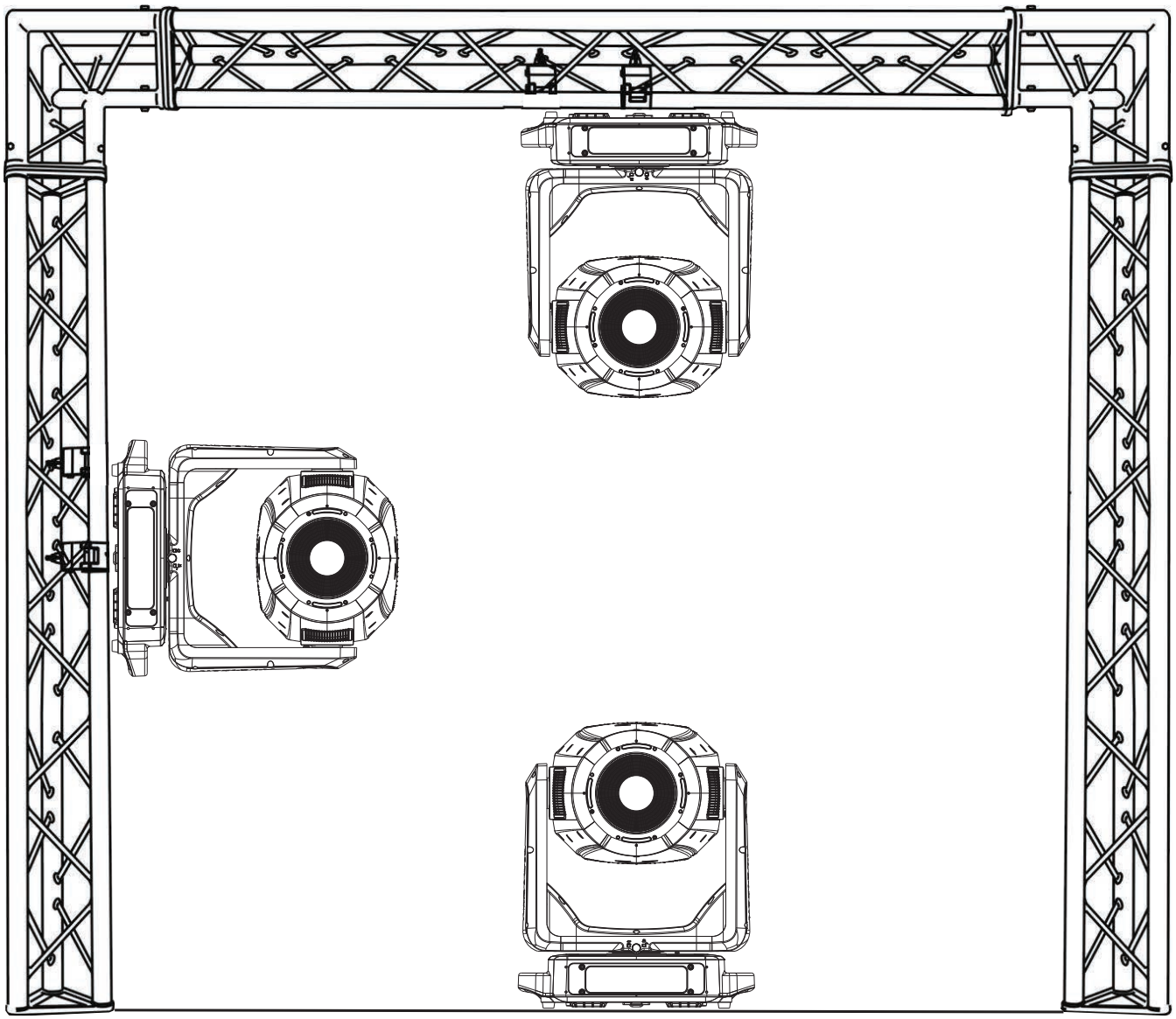


ALWAYS ATTACH AN APPROPRIATELY RATED SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT IN ORDER TO ENSURE THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

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

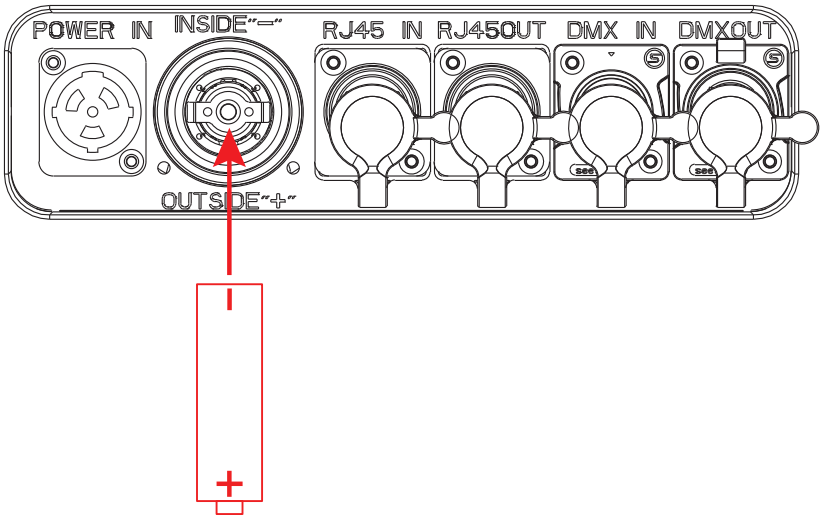
POWER AND DATA CABLES

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.



BATTERY REPLACEMENT

Installing the battery in the incorrect orientation, where the Plus (+) is inside and Negative (-) is outside, will lead to internal electronics and battery damage. A qualified electrician should be used for all electrical connections and/or installations.

1. Loosen the screw cap for the battery compartment.
2. Remove old battery and replace (**inside "-", and outside "+"**).

NOTE: Replace the battery only with an Li-ion battery (IRC14500/700mAh), which can be ordered from the Elation Parts Website https://parts.elationlighting.com. Replace and tighten screw cap for the battery compartment.

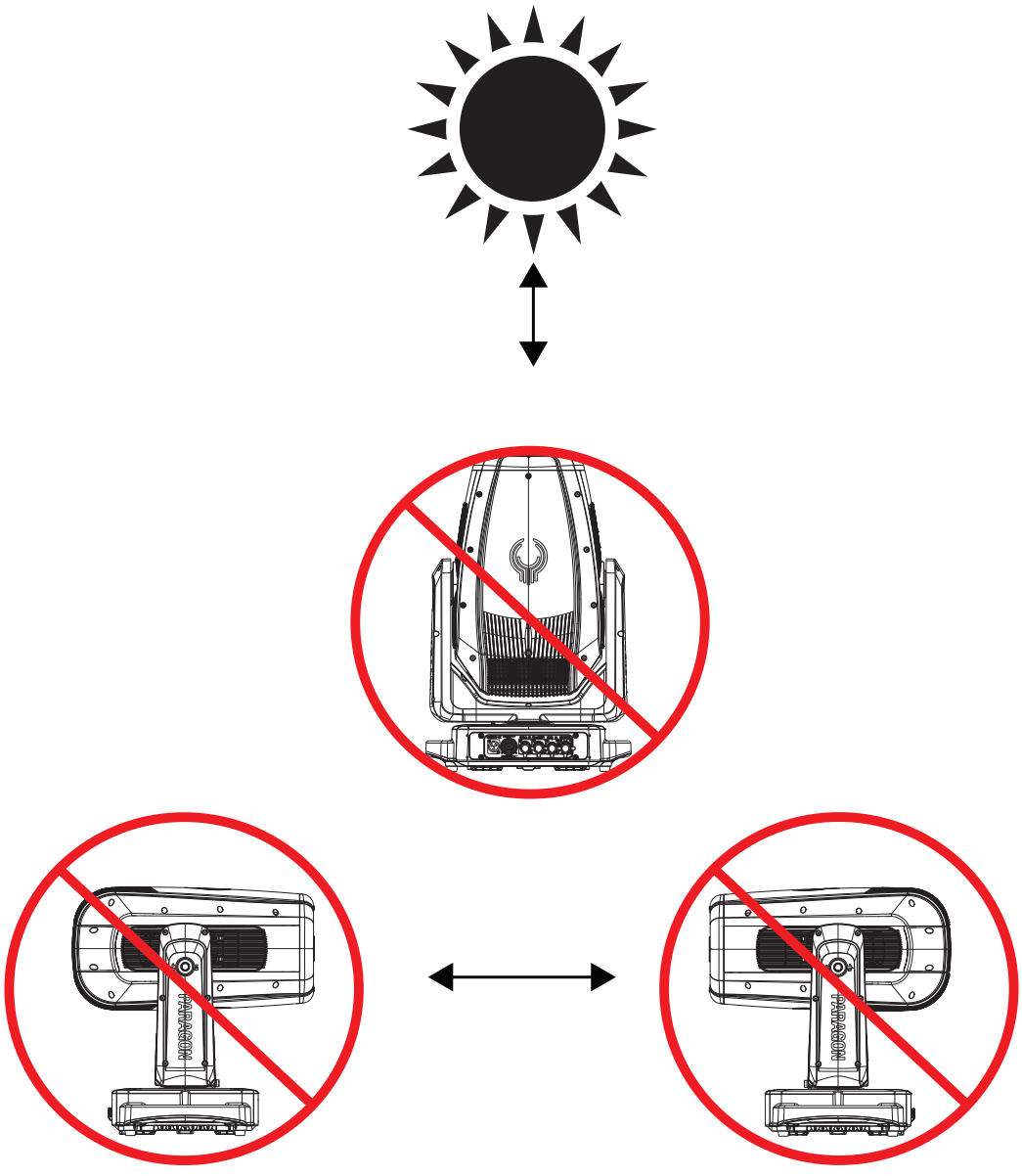
INSTALLATION GUIDELINES

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.

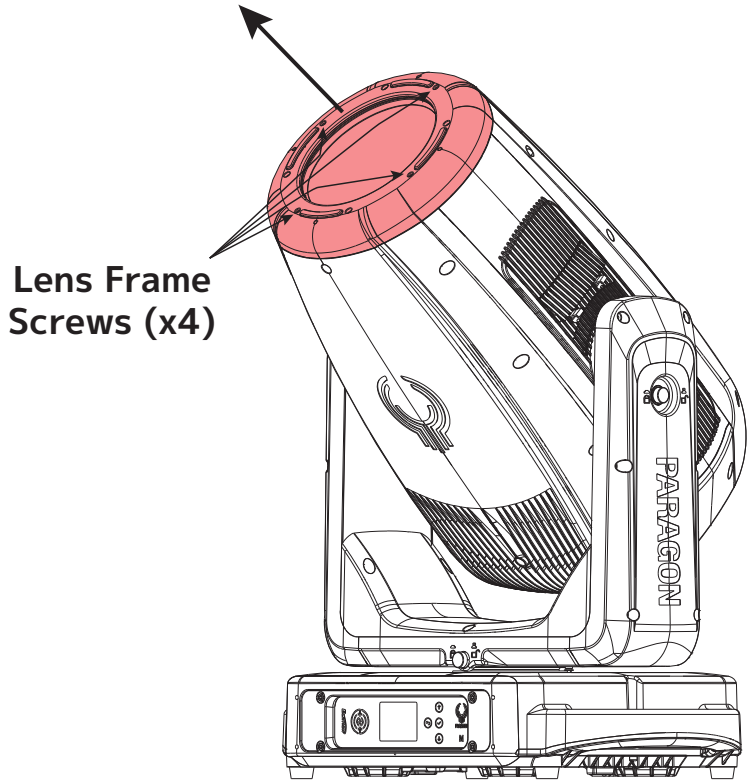
DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS WHILE UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



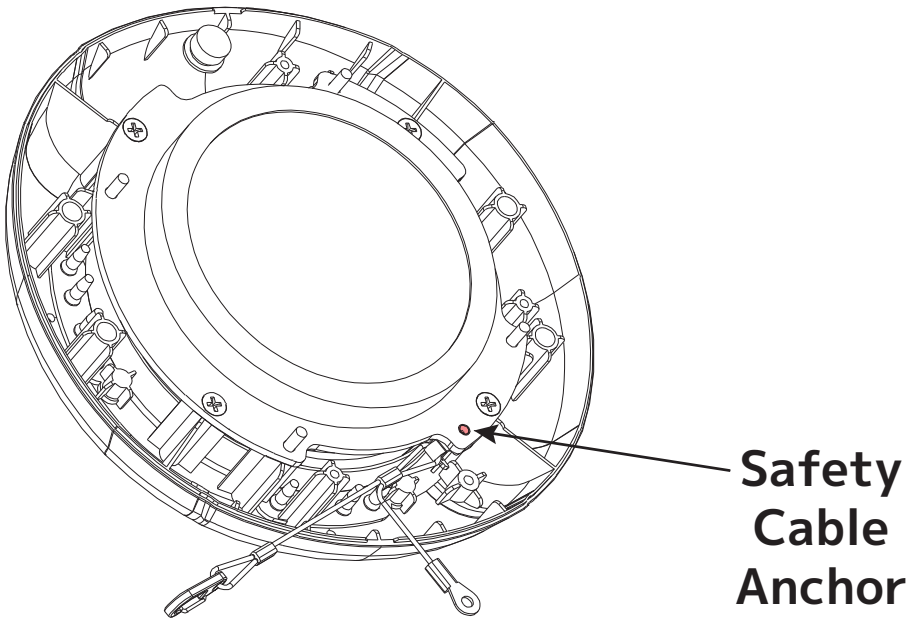
ACCESSORY INSTALLATION

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.

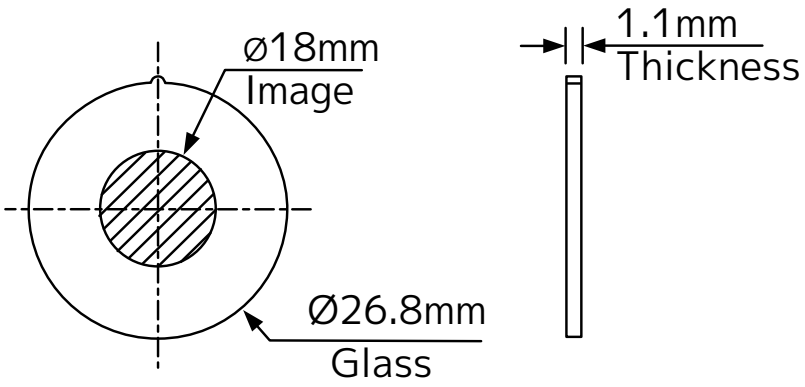


3. Install the desired lens frame assembly. Make sure to re-attach the safety cable, then re-install the four (4) fasteners to secure the assembly in place.

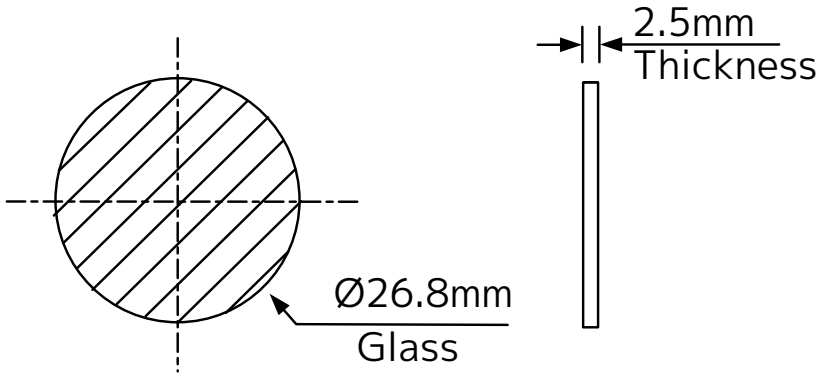
CUSTOM GOBOS

ROTATING GOBO WHEEL GOBOS	Gobo Wheel 1 (All) Gobo Wheel 2 (Pos. 1-6)	Gobo Wheel 2 (Pos. 7)
Gobo O.D (Max Outer Diameter)	Ø26.8mm	Ø26.8mm
Gobo I.D. (Max Image Diameter)	Ø18mm	N/A
Gobo Thickness	1.1mm ± 0.1mm	2.5mm ± 0.15mm
Gobo Material	Glass	Glass

Gobo Wheel 1 All
Gobo Wheel 2 Pos. 1-6



Gobo Wheel 2 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

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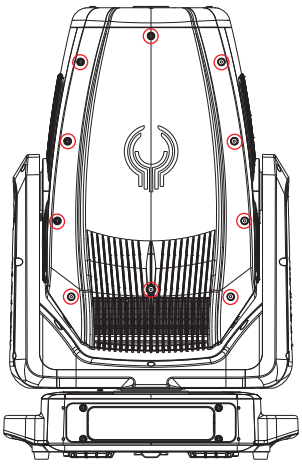
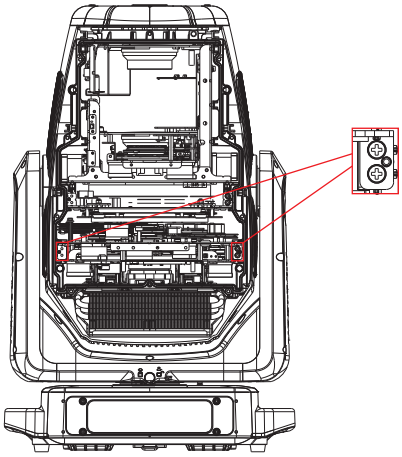
GOBO REPLACEMENT

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).

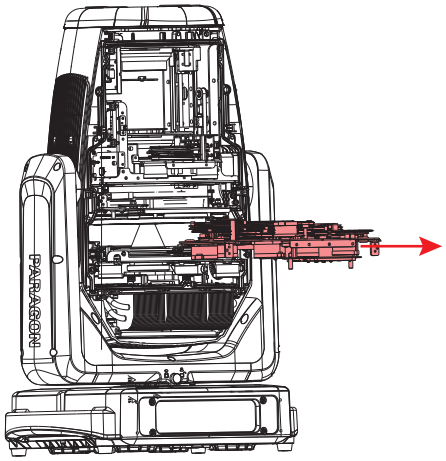
Head Cover Fastener Locations



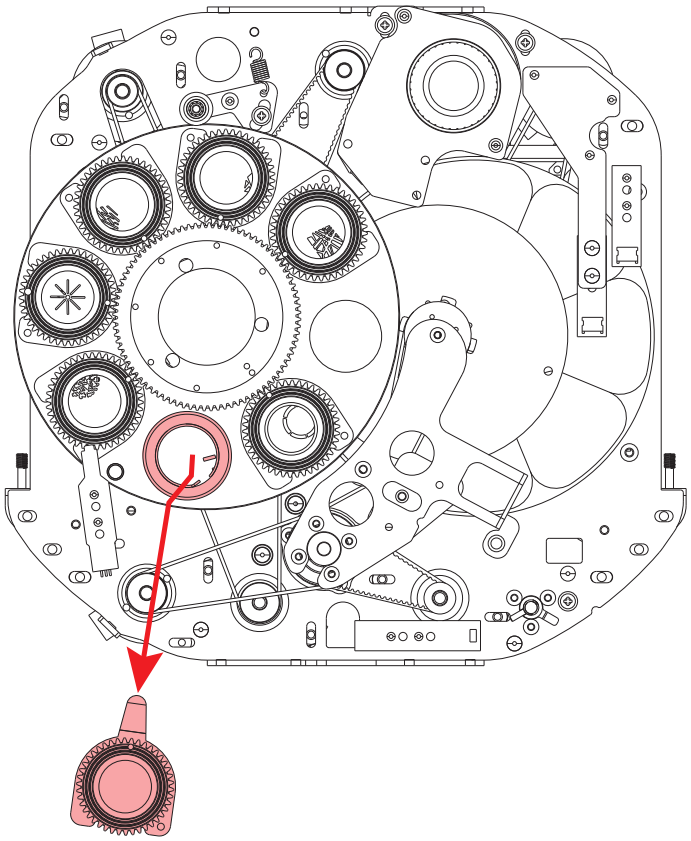
Gobo Module Fasteners



Remove Gobo Module

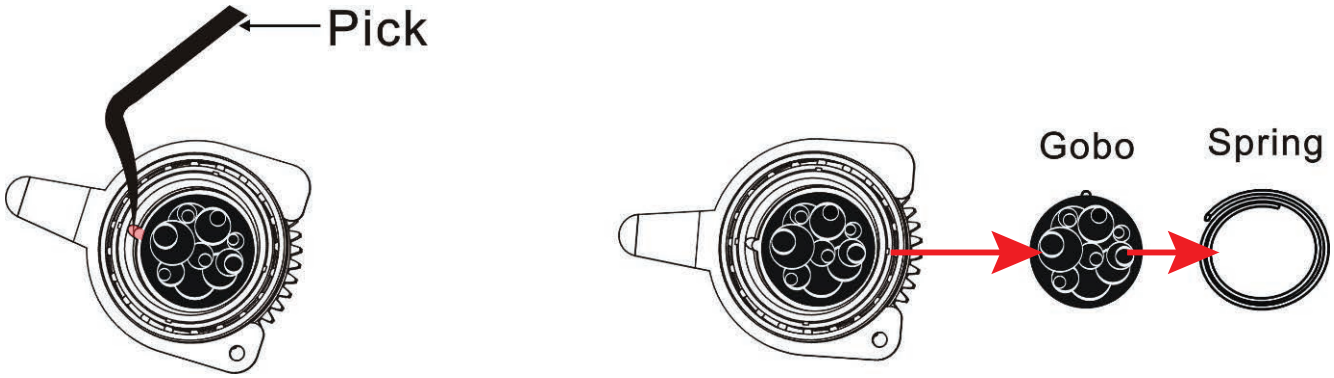


2. Firmly grasp the gobo holder containing the gobo that you wish to replace. Lift the gobo holder clear of its socket in the gobo wheel, then pull the gobo holder outward. The gobo holder should come free of the gobo wheel.

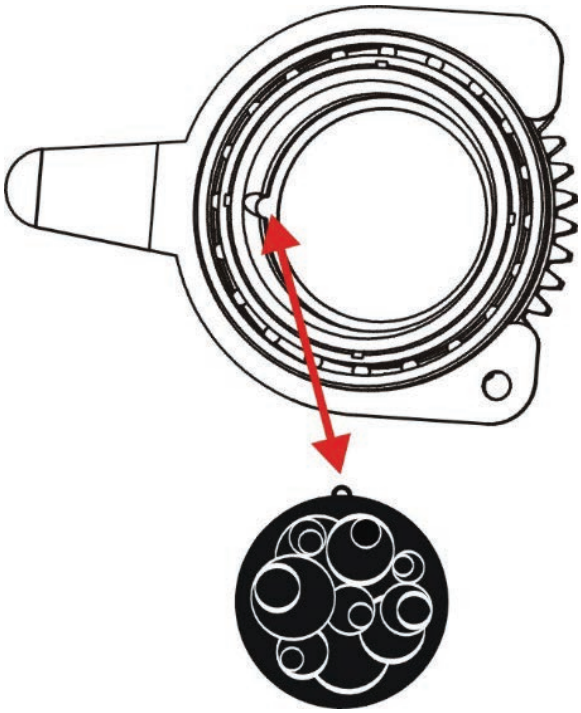


GOBO REPLACEMENT

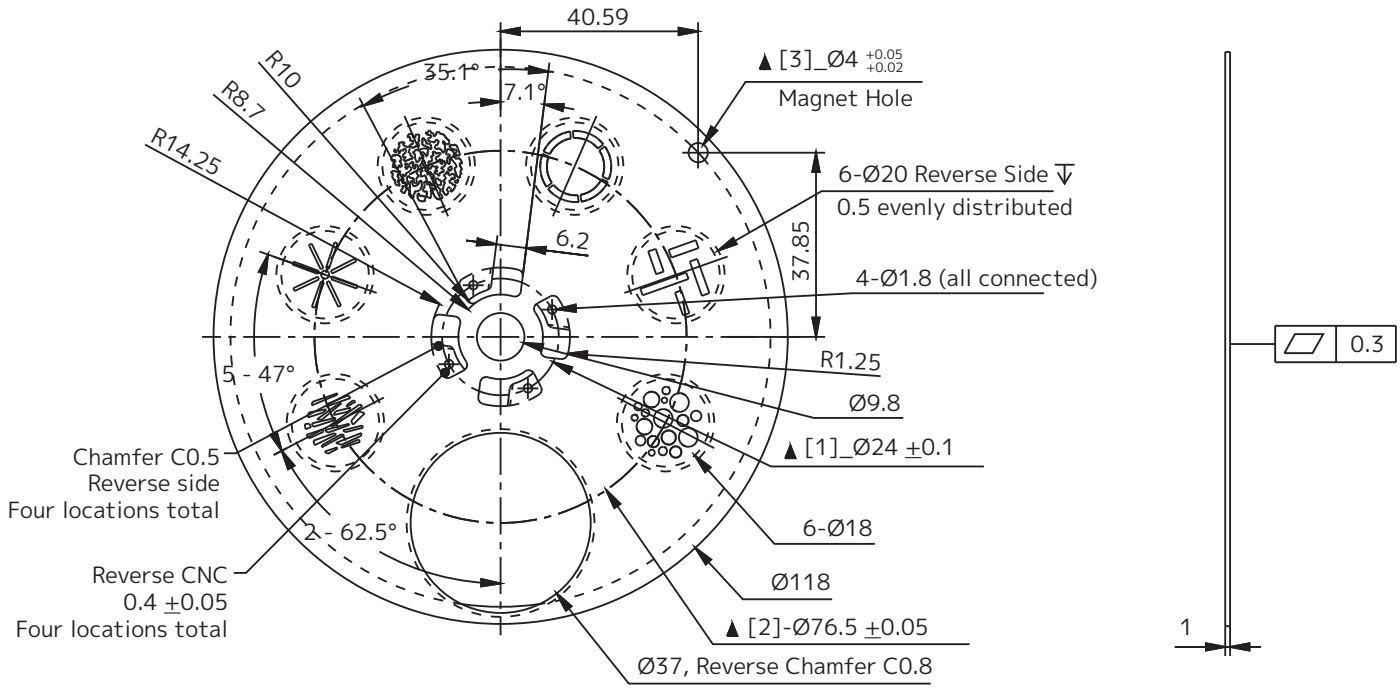
3. Place the gobo holder on a flat, stable surface with the geared wheel facing downwards. Use a pick to press the tab that releases the gobo spring, then remove both the spring and the gobo from the holder. **Use caution to avoid scratching the gobo during this process.**



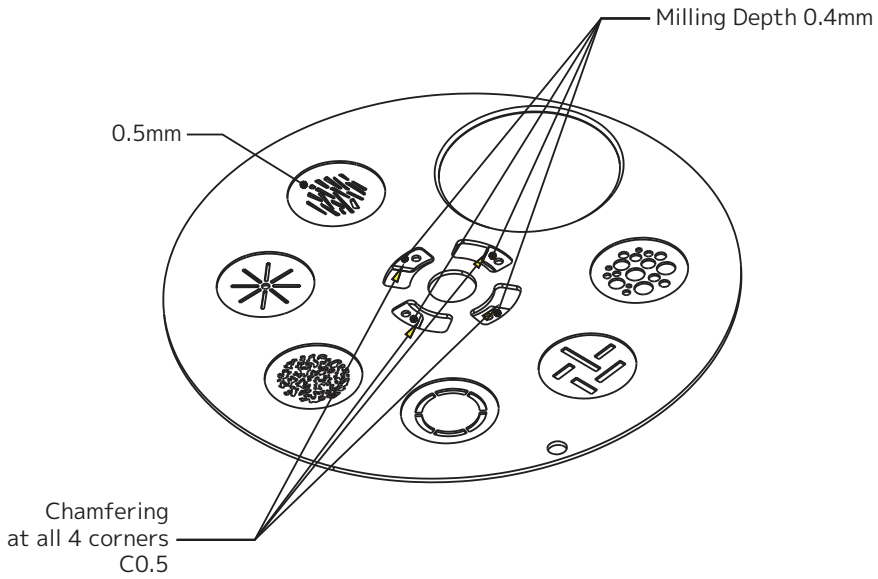
4. Place the new gobo in the gobo holder, making sure that the indexing tab on the gobo is aligned with the notch in the gobo holder. Secure in place with the gobo spring, then reassemble the unit by reversing steps 1-3.



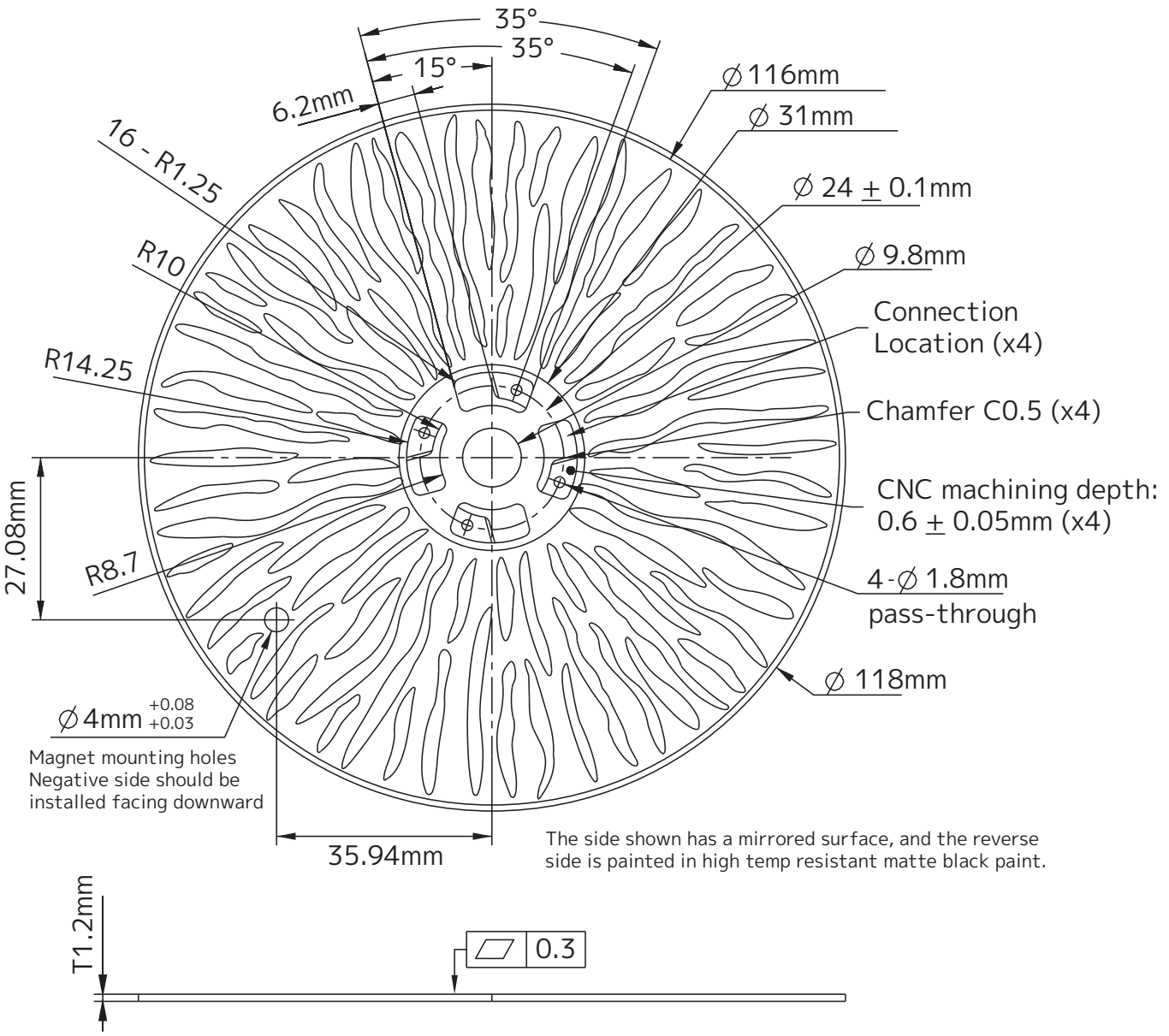
GOBO WHEEL DIMENSIONS



Front of view is a high-temperature resistant inorganic nano-black finish, while the back is a mirrored finish.



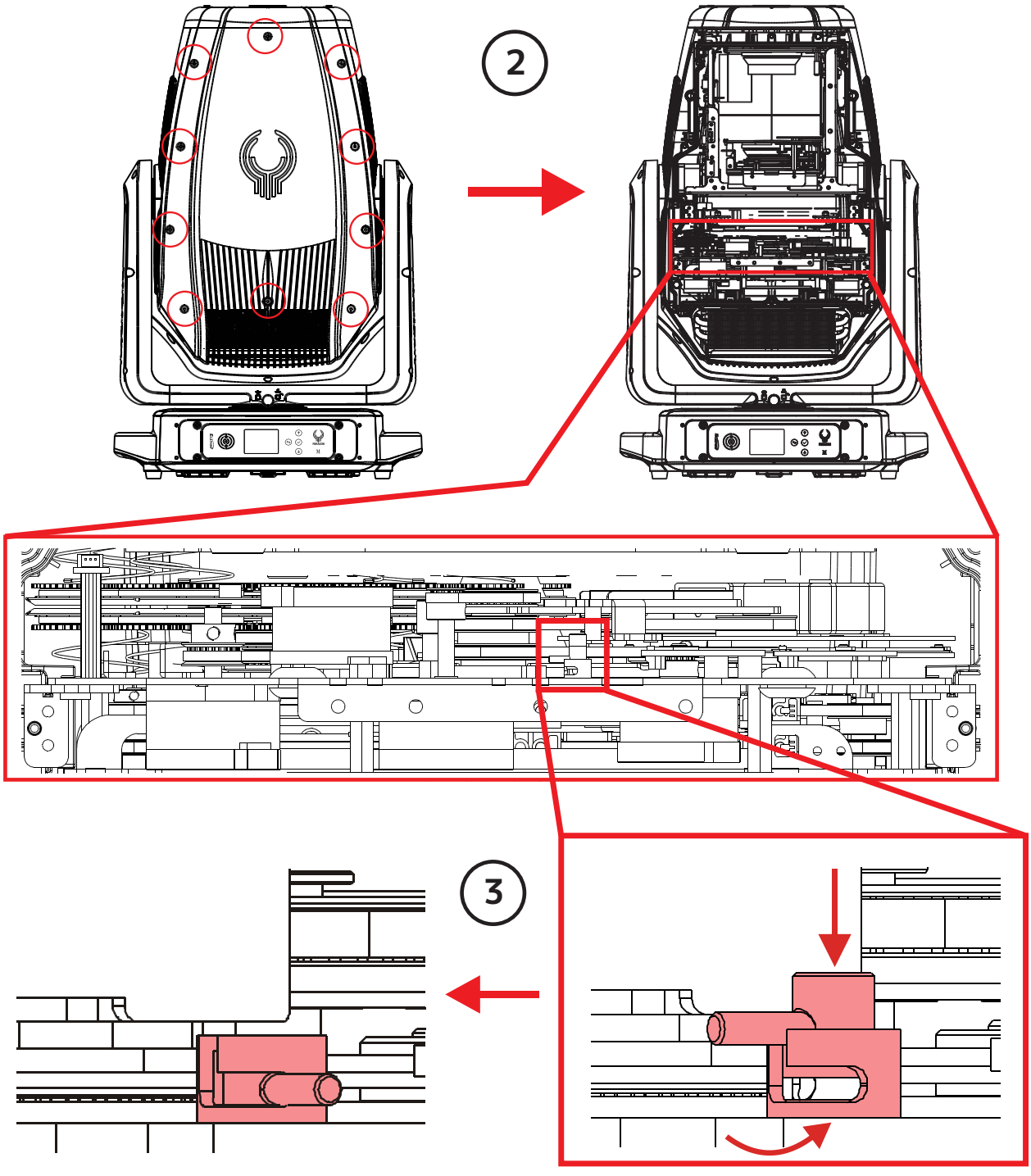
ANIMATION WHEEL DIMENSIONS



ANIMATION WHEEL REPLACEMENT

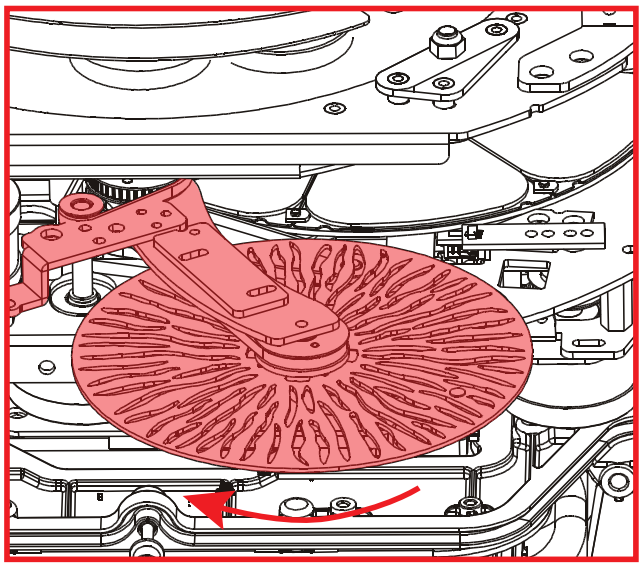
This fixture's animation wheel can be removed and replaced with an additional fixed gobo wheel. Follow the directions below to remove and replace the animation wheel.

1. Disconnect the fixture from power and allow the fixture 10 minutes to cool down. Rotate the head to the vertical orientation, then fix in place with the pan and tilt locks.
2. Remove the ten fasteners holding the head cover in place, then undo the safety cable and remove the cover. Locate the animation wheel module, as shown in the illustration below.
3. Locate the animation wheel's stopper. Push down on the top of the stopper, then rotate the arm of the stopper into the notch.

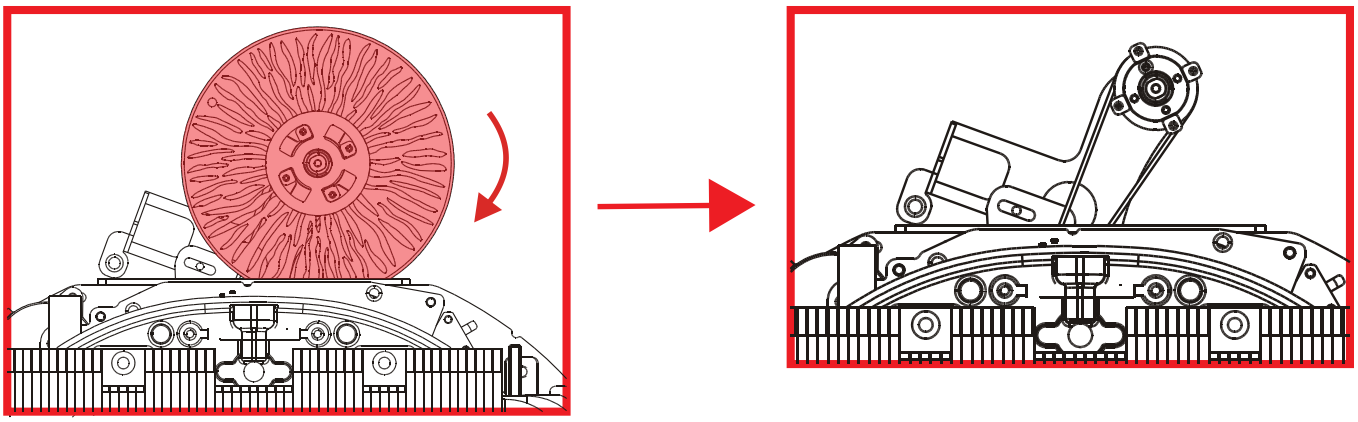


ANIMATION WHEEL REPLACEMENT

4. Gently rotate the animation wheel assembly outward so that the animation wheel is accessible.

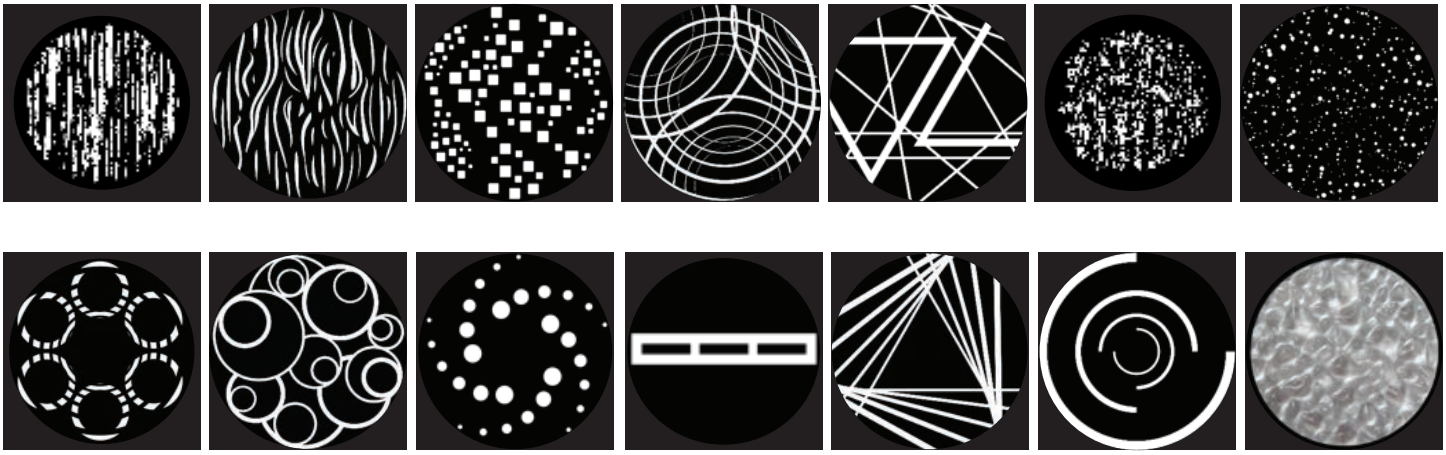


5. Hold the animation wheel assembly steady, then rotate the animation wheel itself clockwise to unlatch it from the assembly. The wheel can now be removed, and the fixed gobo wheel can be attached to the exposed connector. Re-assemble the fixture by reversing these steps.

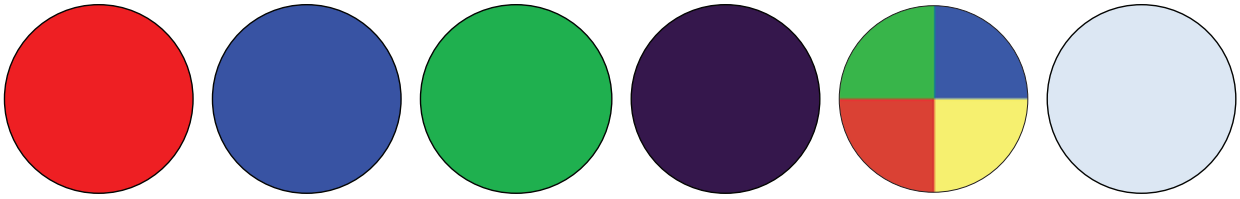


GOBOS, COLORS, AND EFFECTS

ROTATING GOBOS

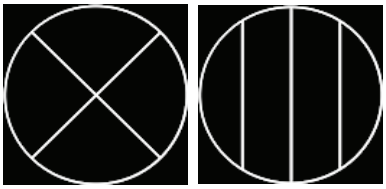


COLORS



Red | Blue | Green | UV | Quad Color | Color Smoothing

PRISMS



4 Facet Round | 4 Facet Linear

ANIMATION WHEEL

FRAMING MACROS

1 2 3 4 5 6 7 8

9 10 11 12 13 14 15 16

17 18 19 20 21 22 23 24

25 26 27 28 29 30 31

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 (43Ch), Extended (65Ch)

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
0x0401	Engine Hours
0x0600	Pan Invert
0x0601	Tilt Invert
0x0500	Display Invert

ARIA SETUP AND GUIDELINES

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

2.4GHZ Versus Sub-Gig (GHz) Frequencies:

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

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

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

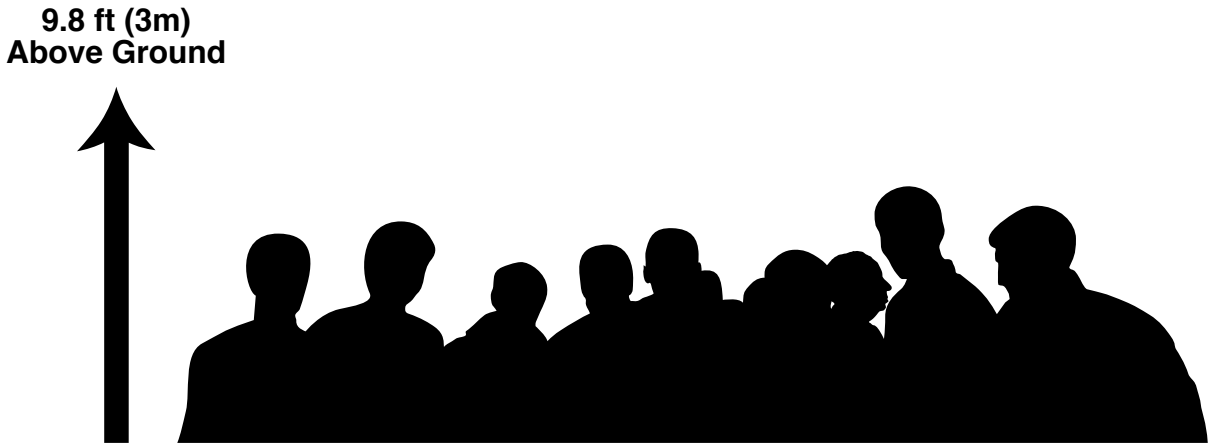
In summary, if an application demands high data rates and more bandwidth in urban or densely populated areas where interference management is feasible, the 2.4 GHz frequency is a suitable choice. On the other hand, for applications requiring long-range communication and better obstacle penetration, particularly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

Installation Recommendations:

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

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

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



ARIA SETUP AND GUIDELINES

GENERAL INFORMATION

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

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

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

LEGACY DEVICES

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

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

FIXTURE IDENTIFICATION

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

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

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

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

ARIA SETUP AND GUIDELINES

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

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

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

SECURITY

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

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

SYSTEM MENU

The fixture includes an easy to navigate system menu. The control panel 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

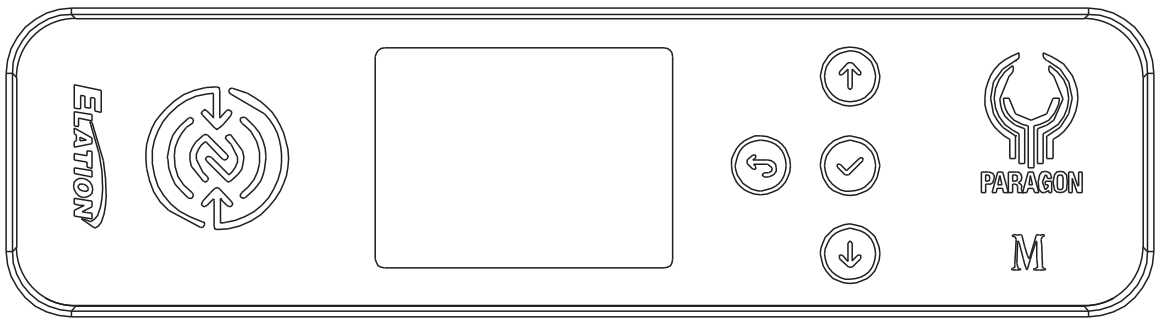
The control keys can be configured to lock after a pre-set period of inactivity. This setting is switched off by default, but can be switched on and set to a value between 10 seconds and 5 minutes. To change this setting, use the control panel keys to navigate to Settings > Display > Screen Lock in the 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 UP, DOWN, UP, DOWN, ENTER**.

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.

BATTERY

This unit features a dedicated battery that can be used to power the screen display. This allows the user to configure the device's channel mode, DMX address, or any other screen-accessible features without needing to power on the device or even connect it to a power source. To activate the display on battery power, press and hold the ENTER button for 3 seconds.



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.

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SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
DMX	DMX Address	**001** - 512	
	DMX Mode	Standard	
		Extended	
	FX Wheel Option	Animation / Gobo	
	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**
	Fan Mode	**Auto**	
		High	
		Low	
		Studio	
		Mute	
	Theater Mode	**Fastest Speeds**	
		Quiet Speeds	
	Color	CRI	**DMX** / 73 / 80 / 93
		Color Smoothing	Enable / **Disable**
		CMY Speed	Smooth / **Fast**
	Dimmer Curve	Linear	
		Square	
		Square Inverse	
		S-Curve	
	Refresh Rate	900 - 25000 Hz	
		Ultra Dimming 25 KHz	
	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	
		LED	
	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 UP, DOWN, UP, DOWN, ENTER.
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 5s. 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. **Please note that selecting the following modes will automatically trigger Theater Mode and any associated parameters.**

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 CONTROL

Refresh Rate

This feature can be accessed in the system menu by navigating to Settings > Refresh Rate.

Paragon M utilizes an advanced dual CRI LED engine and electronic driver system, which combine to allow incredibly precise low-level control at a very high refresh rate. This unique feature is called “Ultra Dimming” and operates at 25000Hz.

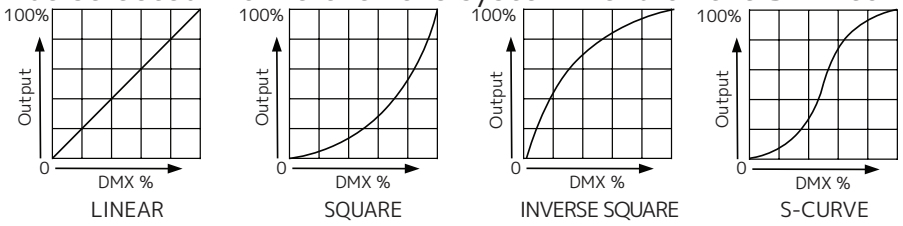
The fixture’s Ultra Dimming allows seamless intensity transitions even at the lowest dimming levels and slowest crossfades, while maintaining optimum refresh rates to avoid camera scrolling, issues with cell phone image capture, and other unwanted interference.

Other refresh rates from 900Hz up to 25000Hz are accessible from the Menu or DMX Control channel, but it is recommended to utilize the default Ultra Dimming and only make adjustments if any interference (usually with high-speed cameras) is observed.

Dimmer Curves

This feature can be accessed in the system menu by navigating to Settings Menu > Dimmer Curve.

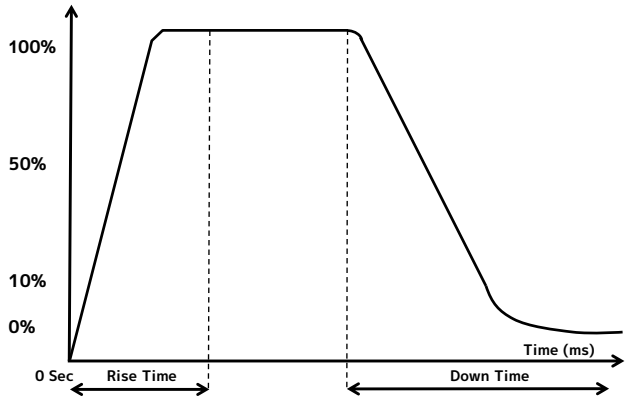
Four available dimmer curve profiles can be used to adapt the fixture’s dimming behavior to different environments. The default S-Curve offers the smoothest low-level dimming and optimum transitions at long fade times. Other curves are Linear, Square, and Inverse Square. Dimmer curves can be selected from either the system menu or the DMX control channel.



Dimmer Modes

This feature can be accessed via DMX control.

The Dim Modes and Dimmer Delay Times temporarily force the dimming to conform to a specific period of time (for example, when using an architectural control system that may not allow fine dimming control). These features can also be used to create automated ramping on dimmer up and down fades, in order to emulate traditional dimming systems and incandescent lamps.



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

THEATER MODE

The following features can be accessed in the system menu by navigating to Settings > Theater Mode.

The mode is used to further reduce the overall noise output of the Paragon M. As a high performance fixture, the Paragon M contains powerful motors that may emit some noise when running at high speed. Reducing the speeds of select motors allows the fixture to operate more quietly while still delivering excellent performance. This mode can be remotely selected from the control channel if needed, allowing the fixture to be adjusted to meet the performance demands of specific situations as the need arises.

Fastest Speeds
All features operate at the highest performance and accuracy levels available.

Quiet Speeds
Some features of the Paragon M have their performance limited in the interest of reducing the noise level, allowing the fixture to be used in more noise sensitive environments.

MOVEMENT AND COLOR SETTINGS

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

Color Smoothing

This feature can be accessed in the system menu by navigating to Settings > Color > Color Smoothing. The Paragon M has an optional color smoothing filter integrated into the color wheel. It can be added manually or automatically as soon as any gobo is selected, and can be enabled from the menu or DMX control channel.

The color smoothing filter is designed to reduce any color anomalies along framing edges, especially when used in combination with a gobo. It also adds some minor color correction to enhance the gobo's appearance. Please note that the filter reduces the output slightly.

For most theatrical applications it is recommended to enable the filter by default.

CRI

This feature can be accessed in the system menu by navigating to Settings > Color > CRI. The TruTone engine of the Paragon M allows variable CRI control of the fixture output using the CRI DMX channel. This can be disabled and set to a fixed CRI value (73/80/93). CRI 80 provides the highest intensity output for the Paragon M.

CMY Speed

This feature can be accessed in the system menu by navigating to Settings > Color > CMY Speed. The CMY mixing array offers two operating speeds to choose from. The first is optimized for fastest changes, but can show some jitter on very slow crossfades. The second setting is configured for the slowest fade and may be more appropriate for theatrical applications.

Pan Tilt Speed

This feature can be accessed in the system menu by navigating to Settings > Movement > Pan Tilt Speed. It controls the overall reaction of the fixture to changes in Pan and Tilt positions. Faster settings can lead to some jitter, while slower settings exhibit smoother movements at the cost of slight delays to changes of direction.

Pan Tilt Brake

This feature can be accessed in the system menu by navigating to Settings > Movement > Pan Tilt Brake. This determines how aggressively the fixture stops when DMX values no longer change. The fast setting can cause some bounce / jitter when the fixture stops, while smooth will create a softer landing to the stopped position but will add some delay.

Pan Tilt Feedback

This feature can be accessed in the system menu by navigating to Settings > Movement > Pan Tilt Feedback. When enabled, it will cause the fixture to bounce back into place if it has been manually moved out of position. This can be disabled, which is sometimes done for safety reasons to prevent the fixture from swinging back unexpectedly and striking nearby personnel.

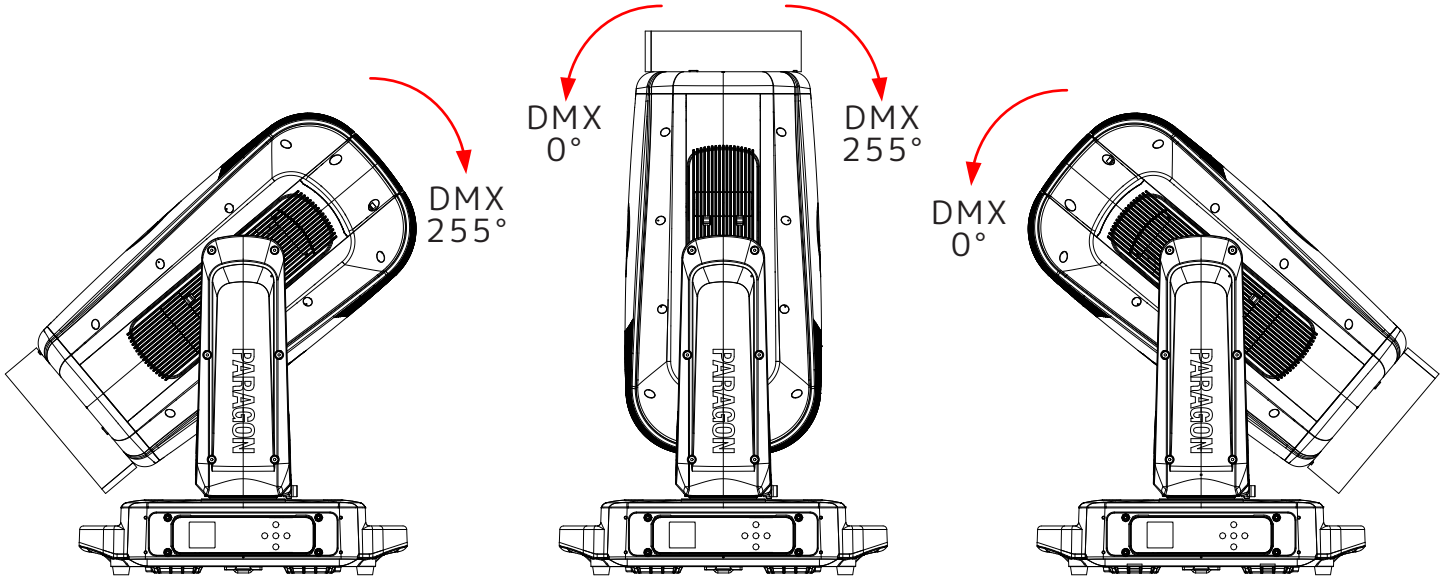
MOVEMENT AND COLOR SETTINGS

Home position CUSTOM (Default)

Pan = 0°
Tilt = 42°

Pan = 128°
Tilt = 42°

Pan = 255°
Tilt = 42°

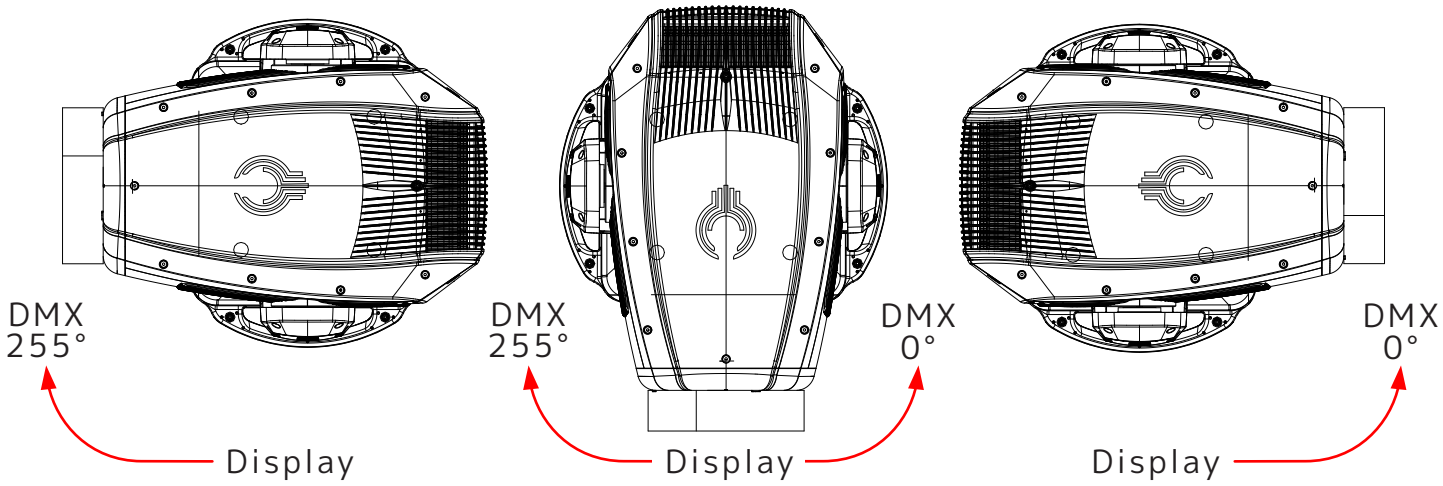


Tilt movement range: 270°
Pan movement range: 540°

Pan = 0°
Tilt = 42°

Pan = 128°
Tilt = 42°

Pan = 255°
Tilt = 42°



DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
1	1	1	1	0-255	**Pan** Left → Right		127
2	2	2	2	0-255	**Pan Fine** Fine position		127
3	3	3	3	0-255	**Tilt** Forward → Backward		127
4	4	4	4	0-255	**Tilt Fine** Fine position		127
5	5	5	5	0-255	**Cyan** 0 → 100		0
	6		6	0-255	**Cyan Fine** Fine saturation		0
6	7	6	7	0-255	**Magenta** 0 → 100		0
	8		8	0-255	**Magenta Fine** Fine saturation		0
7	9	7	9	0-255	**Yellow** 0 → 100		0
	10		10	0-255	**Yellow Fine** Fine saturation		0
8	11	8	11	0-255	**CTO** 6500K → 2600K		0
	12		12	0-255	**CTO Fine** Fine saturation		0
9	13	9	13		**CRI**		127
				0-126	CRI 73 - 80		
				127	CRI 80 (Highest Output)		
				128-255	CRI 80 - 93		
10	14	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		15		**Color Fine**	X	0
				0-255	Position		

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
11	16	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		
				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	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	13	18		**Rotating Gobo Index/Rotation Fine**		0
				0-255	Index position		
14	19	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		

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
15	20	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	16	21		**Rotating Gobo 2 Index / Rotation Fine**		0
				0-255	Index Position		
17	22	17	22		**Rotating Prism 1**	X	0
				0-63	Open		
				64-255	4-facet		
18	23	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		24		**Rotating Prism 1 Index/Rotation Fine**		0
				0-255	Index position		
19	25	19	25		**Rotating Prism 2**	X	0
				0-63	Open		
				64-255	4-facet linear		
20	26	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		27		**Rotating Prism 2 Index/Rotation Fine**		0
				0-255	Index position		
21	28	21	28		**Focus**		127
				0-255	Infinity → Near		
22	29	22	29		**Focus Fine**		127
				0-255	Fine adjustment		
23	30	23	30		**Zoom**		127
				0-255	Narrow → Wide		
24	31	24	31		**Zoom Fine**		127
				0-255	Fine adjustment		

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
					Auto Focus		
				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		0
				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		
	32		32	110-114	10.0m		
				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		
					Auto Focus Fine		
	33		33	0-255	Fine adjustment		0

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
25	34	25	34		**Shutter / Strobe**	X	50
				0-31	Closed		
				32-63	Open		
				64-95	Strobe, slow → fast		
				96-127	Open		
				128-159	Pulse, slow → fast		
				160-191	Open		
				192-223	Random Strobe, slow → fast		
				224-255	Open		
26	35	26	35		**Dimmer**		0
				0-255	Intensity 0 → 100%		
27	36	27	36		**Dimmer Fine**		0
				0-255	Fine adjustment		
28	37	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		
					Dimmer Delay Time		
				121	0s		
				122	0.1s		
				123	0.2s		
				124	0.3s		
				125	0.4s		
				126	0.5s		
				127	0.6s		
				128	0.7s		
				129	0.8s		
				130	0.9s		
				131	1.0s		
				132	1.5s		
				133	2.0s		
				134	3.0s		
				135	4.0s		
				136	5.0s		
				137	6.0s		
				138	7.0s		
				139	8.0s		
				140	9.0s		
				141	10.0s		
				142-255	Idle		
29	38	29	38		**Iris**		0
				0-191	Open → Close		
				192-223	Pulse Closing, fast → slow		
				224-255	Pulse Opening, slow → fast		
	39		39		**Iris Fine**		0
				0-255	Fine adjustment		

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
30	40	30	40		**Frost 1 (Soft)**		0
				0-255	Open → Max		
31	41	31	41		**Frost 2 (Wash)**		0
				0-255	Open → Max		
32	42				**Animation Wheel**		0
				0-7	Open		
				8-255	Min → Max		
33	43				**Animation Index**		64
				0-127	Position		
					Scroll		
				128-189	Clockwise, fast → slow		
				190-193	Stop		
				194-255	Counter-clockwise, slow → fast		
		32	42		**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		
					Scroll (optional)		
				190-221	Clockwise, fast → slow		
				222-223	Stop		
				224-255	Counter-clockwise, slow → fast		
		33	43		**Fixed Gobo 2 Fine (optional)**		127
				0-255	Fine Adjustment		
34	44	34	44	0-255	**Blade 1A**		0
					Open → Closed		
	45		45	0-255	**Blade 1A Fine**		0
					Fine adjustment		
35	46	35	46	0-255	**Blade 1B**		0
					Open → Closed		
	47		47	0-255	**Blade 1B Fine**		0
					Fine adjustment		
36	48	36	48	0-255	**Blade 2A**		0
					Open → Closed		
	49		49	0-255	**Blade 2A Fine**		0
					Fine adjustment		
37	50	37	50	0-255	**Blade 2B**		0
					Open → Closed		
	51		51	0-255	**Blade 2B Fine**		0
					Fine adjustment		

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
38	52	38	52	0-255	**Blade 3A**		0
					Open → Closed		
	53		53	0-255	**Blade 3A Fine**		0
					Fine adjustment		
39	54	39	54	0-255	**Blade 3B**		0
					Open → Closed		
	55		55	0-255	**Blade 3B Fine**		0
					Fine adjustment		
40	56	40	56	0-255	**Blade 4A**		0
					Open → Closed		
	57		57	0-255	**Blade 4A Fine**		0
					Fine adjustment		
41	58	41	58	0-255	**Blade 4B**		0
					Open → Closed		
	59		59	0-255	**Blade 4B Fine**		0
					Fine adjustment		
42	60	42	60		**Framing Rotation**		127
				0-126	Min (-120°)		
				127-128	Parallel (0°)		
				129-255	Max (+120°)		
	61		61		**Framing Rotation Fine**		0
				0-255	Fine adjustment		
	62		62		**Framing Macro Speed**		0
				0-255	Max → Min Speed		
63	63	63	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		

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
	63		63		**Framing Macro (continued)**	X	0
				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		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	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)		
					Reset		
				80-84	Fixture		
				85-87	Pan Tilt		
				88-90	Color		
				91-93	Gobo		
				94-96	Focus Zoom		
				97-99	Other Features		
					Refresh Rate (Hz)		
				100-168	900 - 25000 (See Refresh Rate Table)		
				169-170	Ultra Dimming - 25 KHz (default)		
					CMY Speed		
				171	CMY Smooth		
				172	CMY Fast (default)		
				173-174	Hibernation Off		
				175-176	Hibernation		
				177-178	Sun Protection On		
				179-180	Sun Protection Off		
				181-190	Pan Tilt Smooth		
				191-200	Pan Tilt Fast (default)		

DMX TRAITS

Features subject to change without notice							
MODE/CHANNEL					FUNCTION	SNAP	DEFAULT VALUE
STD	EXT	STD FIXED GOBO	EXT FIXED GOBO	VALUES			
43	65	43	65		**Dimmer Curve**	X	0
				201-210	Linear		
				211-220	Square		
				221-230	Inverse Square		
				231-240	S-Curve (default)		
					Color Smoothing		
				241-242	Color Smoothing Disable (default)		
				243-244	Color Smoothing Enable		
					Theater Mode		
				245-246	Fastest Speeds (default)		
				247-249	Quiet Speeds		
					Display		
				250-251	Display Off		
				252-253	Display On (default)		
				254-255	Idle		

REFRESH RATES

VALUES	FREQUENCY (HZ)	VALUES	FREQUENCY (HZ)
100	900	135	1250
101	910	136	1260
102	920	137	1270
103	930	138	1280
104	940	139	1290
105	950	140	1300
106	960	141	1310
107	970	142	1320
108	980	143	1330
109	990	144	1340
110	1000	145	1350
111	1010	146	1360
112	1020	147	1370
113	1030	148	1380
114	1040	149	1390
115	1050	150	1400
116	1060	151	1410
117	1070	152	1420
118	1080	153	1430
119	1090	154	1440
120	1100	155	1450
121	1110	156	1460
122	1120	157	1470
123	1130	158	1480
124	1140	159	1490
125	1150	160	1500
126	1160	161	2500
127	1170	162	4000
128	1180	163	5000
129	1190	164	6000
130	1200	165	10000
131	1210	166	15000
132	1220	167	20000
133	1230	168	25000
134	1240	169-170	Ultra Dimming

ERROR CODES

ERROR CODE	DESCRIPTION
LED Temp Fault	LED thermal sensor abnormal
Head Temp Fault	Head thermal sensor abnormal
Base Temp Fault	Base thermal sensor abnormal
1UBaseFan1	1U Base Fan 1 error
1UBaseFan2	1U Base Fan 2 error
3UHeadFan1	3U Head Fan 1 error
3UHeadFan2	3U Head Fan 2 error
3UHeadFan3	3U Head Fan 3 error
3UHeadFan4	3U Head Fan 4 error
3UHeadFan5	3U Head Fan 5 error
3UHeadFan6	3U Head Fan 6 error
5UHeadFan1	5U Head Fan 1 error
5UHeadFan2	5U Head Fan 2 error
6UHeadFan2	6U Head Fan 2 error
8UHeadFan1	8U Head Fan 1 error
8UHeadFan2	8U Head Fan 2 error
9UHeadFan1	9U Head Fan 1 error
2U01 Com Fail	2U01 PCB communication failure
3U01 Com Fail	3U01 PCB communication failure
4U01 Com Fail	4U01 PCB communication failure
5U01 Com Fail	5U01 PCB communication failure
6U01 Com Fail	6U01 PCB communication failure
7U01 Com Fail	7U01 PCB communication failure
8U01 Com Fail	8U01 PCB communication failure
9U01 Com Fail	9U01 PCB communication failure

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

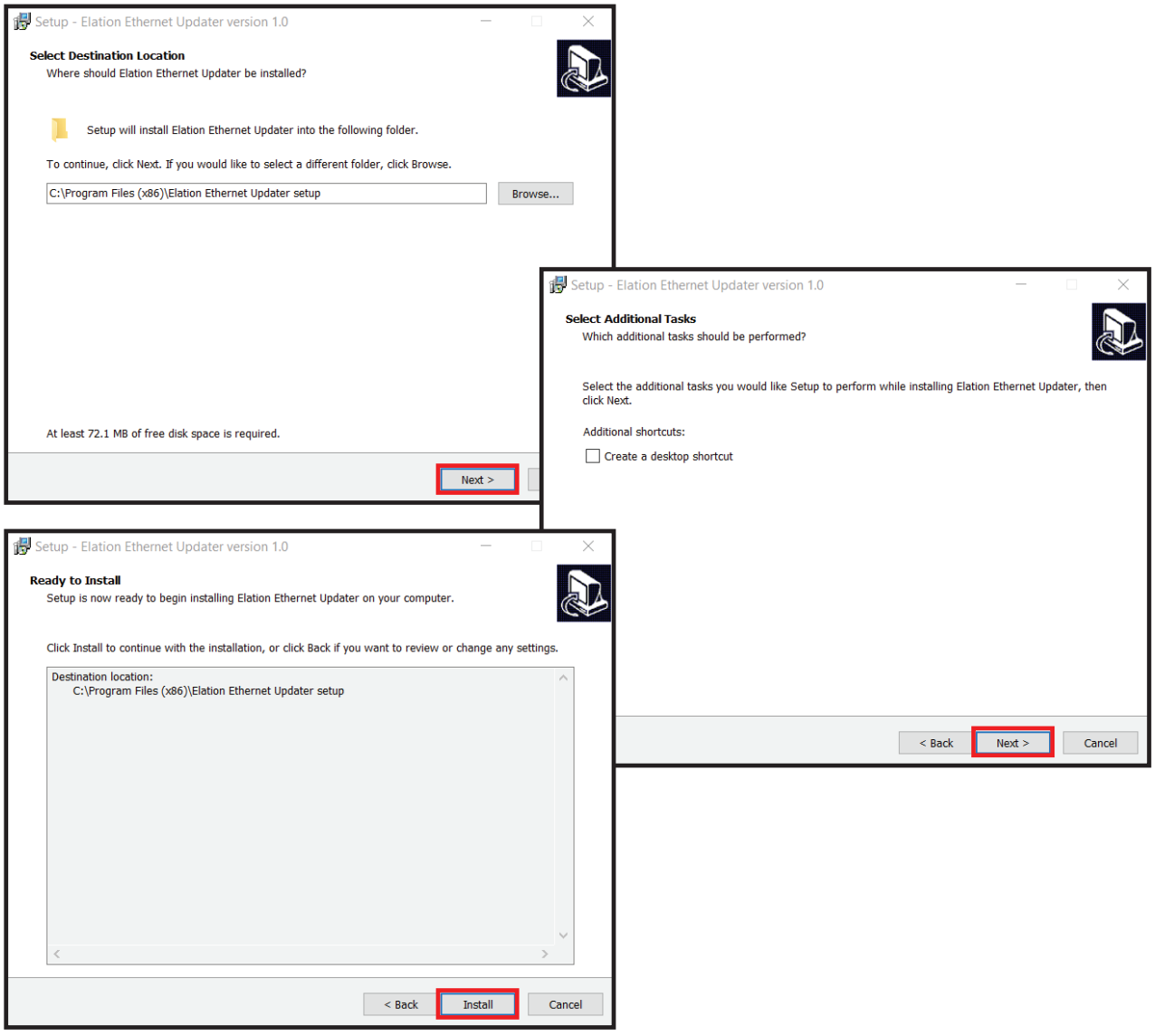
Software updates for this fixture can be performed using the Elation Ethernet Updater. Contact Elation Service to obtain this updater device:

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

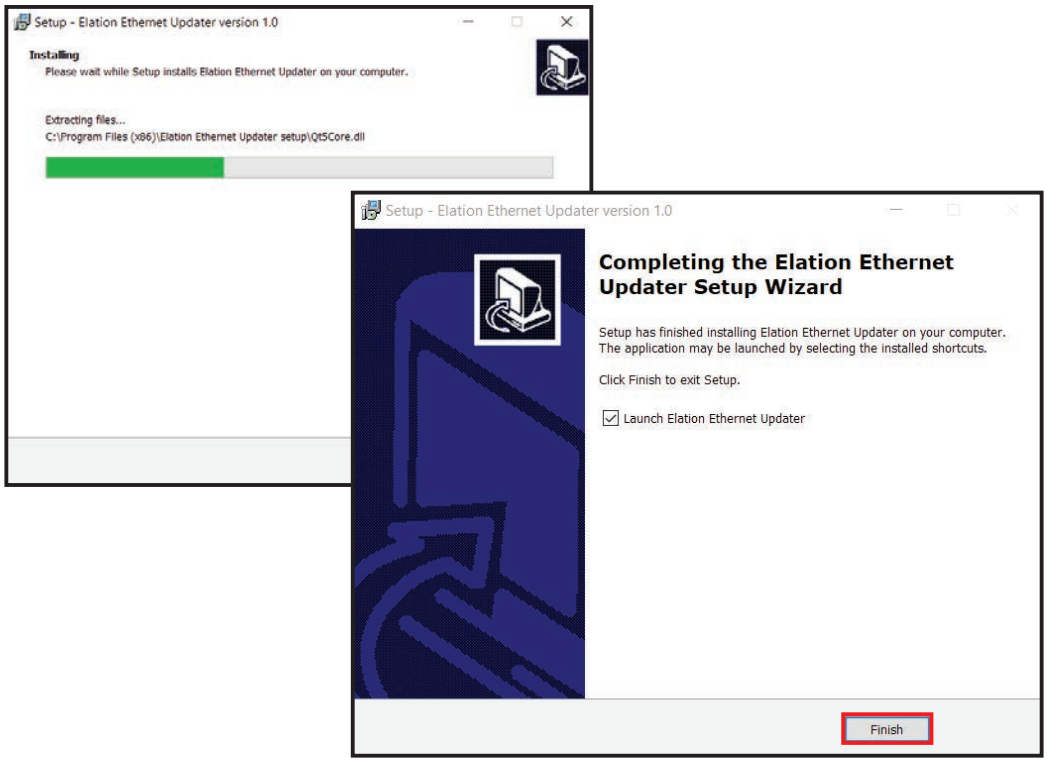
ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
+31 45 546 85 63 | Fax +31 45 546 85 96 | support@elationlighting.eu

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



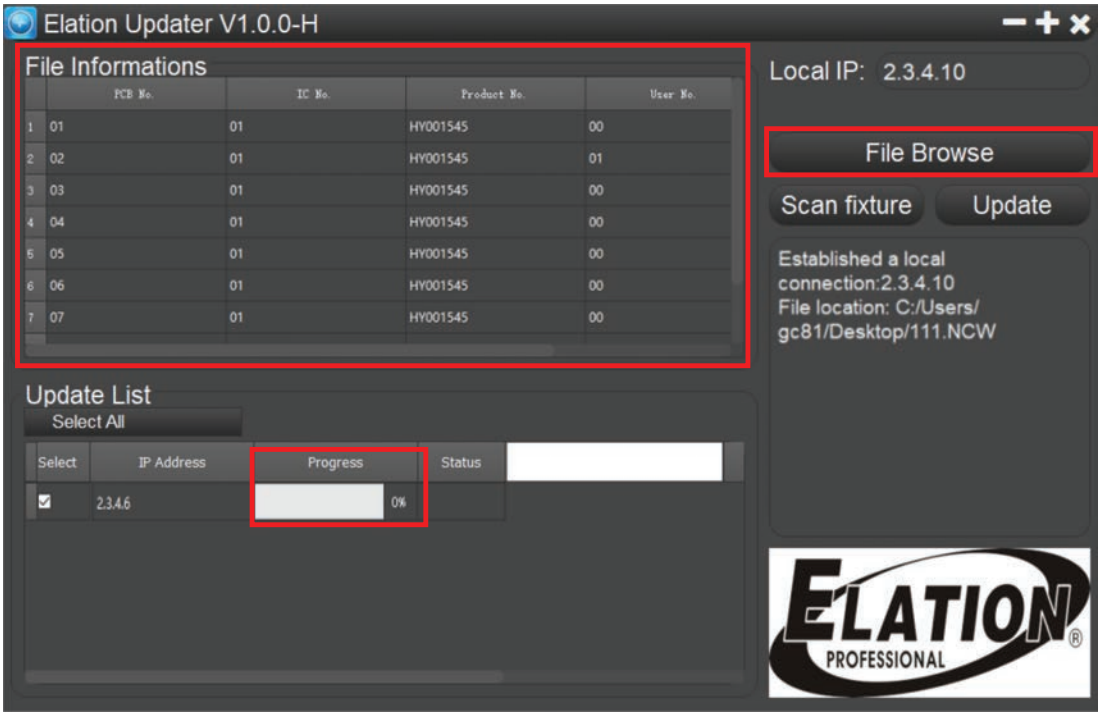
Once you have installed the Elation Ethernet Updater, it will launch automatically (unless you unchecked “Launch Elation Ethernet Updater”), or you can open it any time by clicking on the icon.

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.

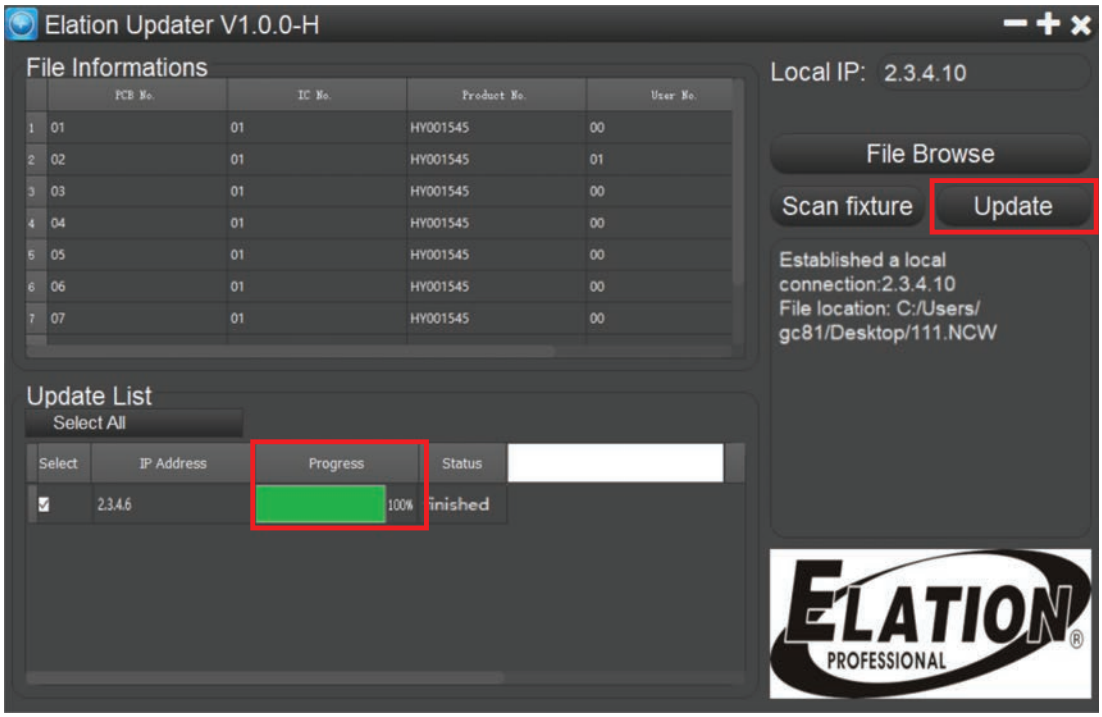
Click “File Browse” to select the files you want to download. The download Progress is displayed in the File information chart as a percentage bar graph.



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.

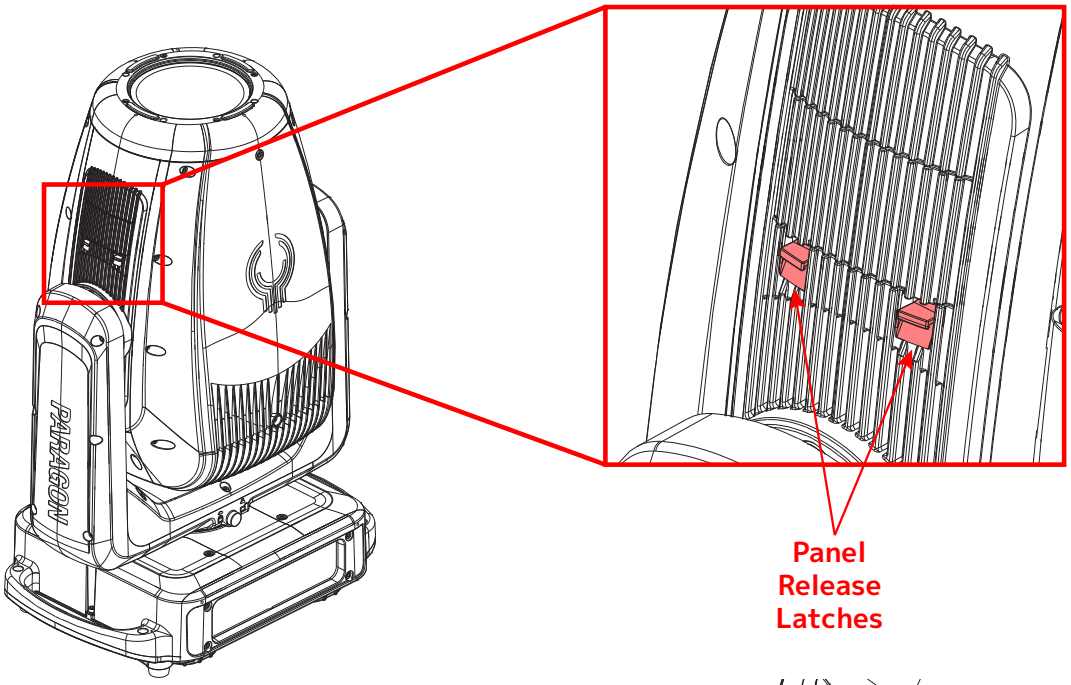
Please refer to the following points during routine inspections:

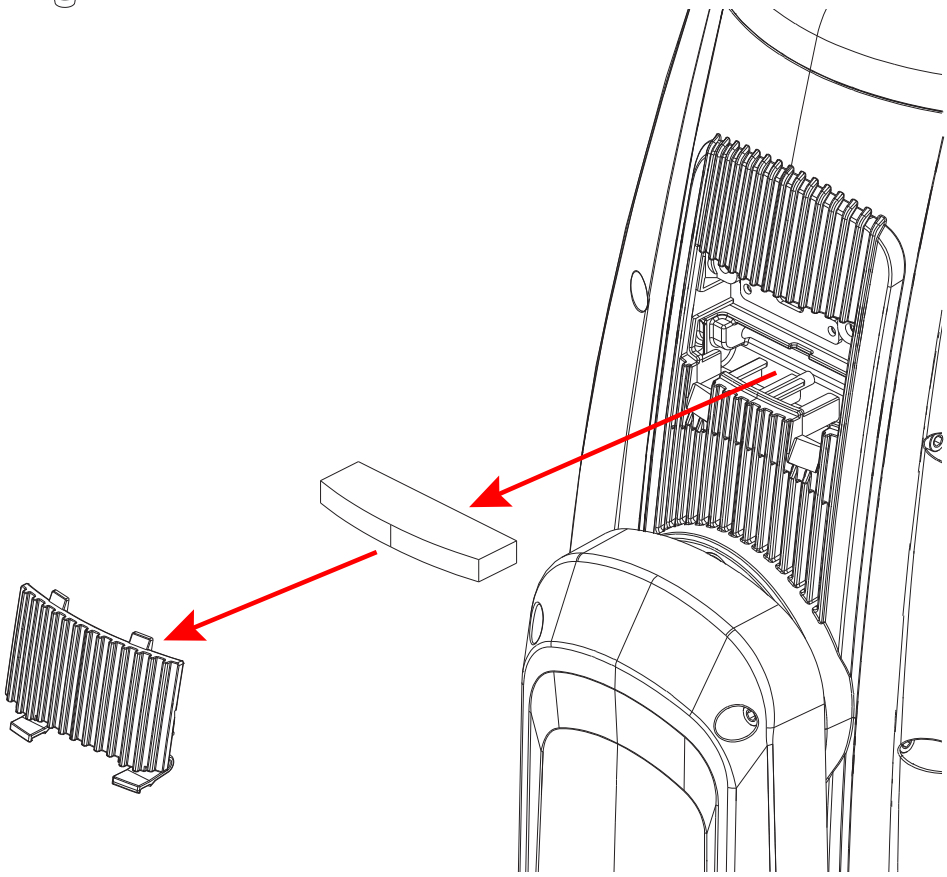
- A detailed electrical check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in 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.
- Check the filter for buildup and replace as needed, as a clogged filter can damage the fixture. The filter should be replaced every 6 months under normal conditions, but more frequent checks and replacement will be needed if the fixture is operating in a harsh environment.

MAINTENANCE GUIDELINES

FILTER REPLACEMENT

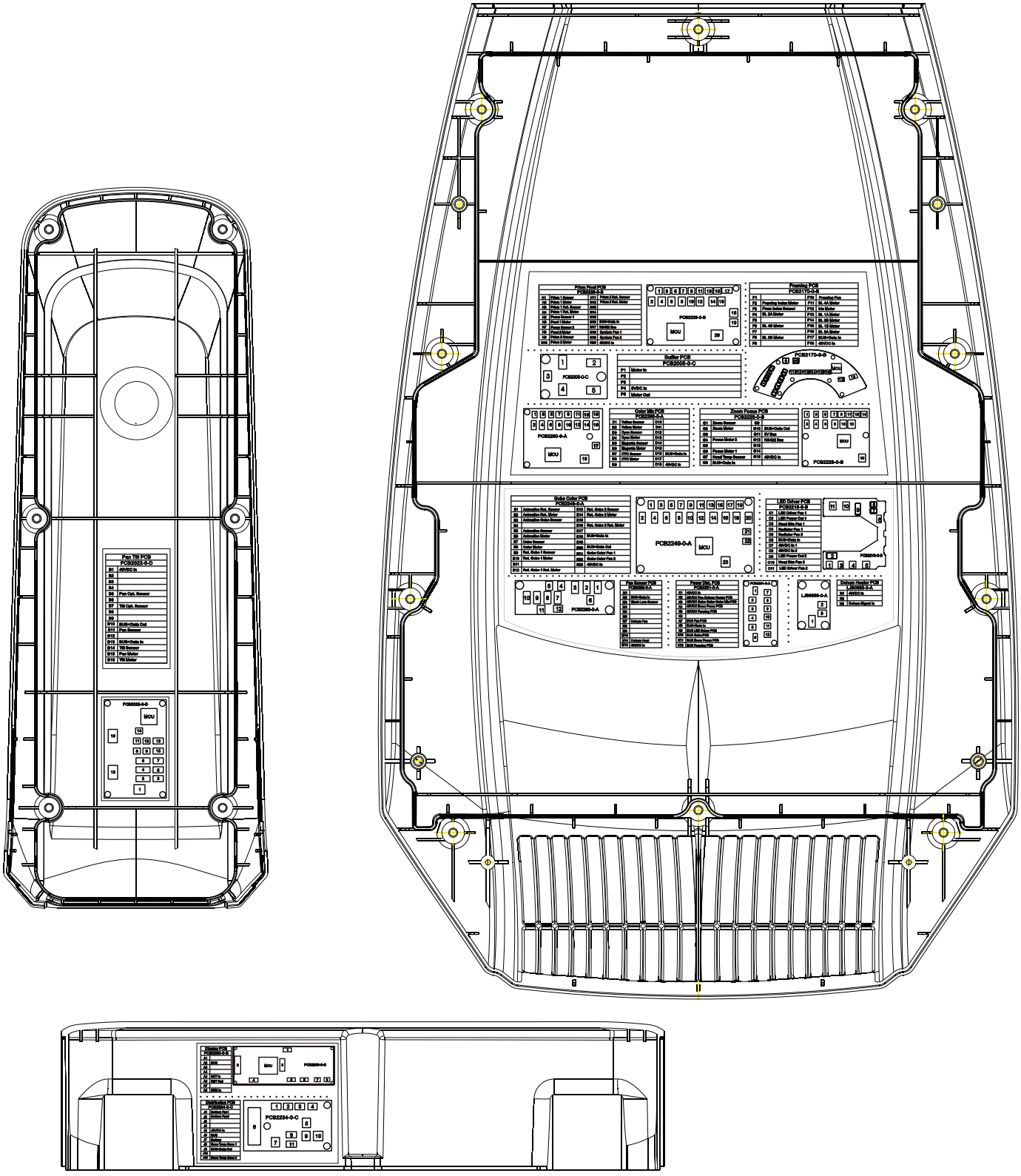
This fixture features a replaceable filter located behind a removable panel in the vent on one side of the head, just above the attachment point for the fixture arm. To replace the filter, release both latches on the panel, then remove it to reveal the filter. Remove the old filter and replace with a new filter. **The filter should be replaced every 6 months under normal conditions, but more frequent checks and replacement will be needed if the fixture is operating in a harsh environment, such as one with a high volume of dust or soot.**





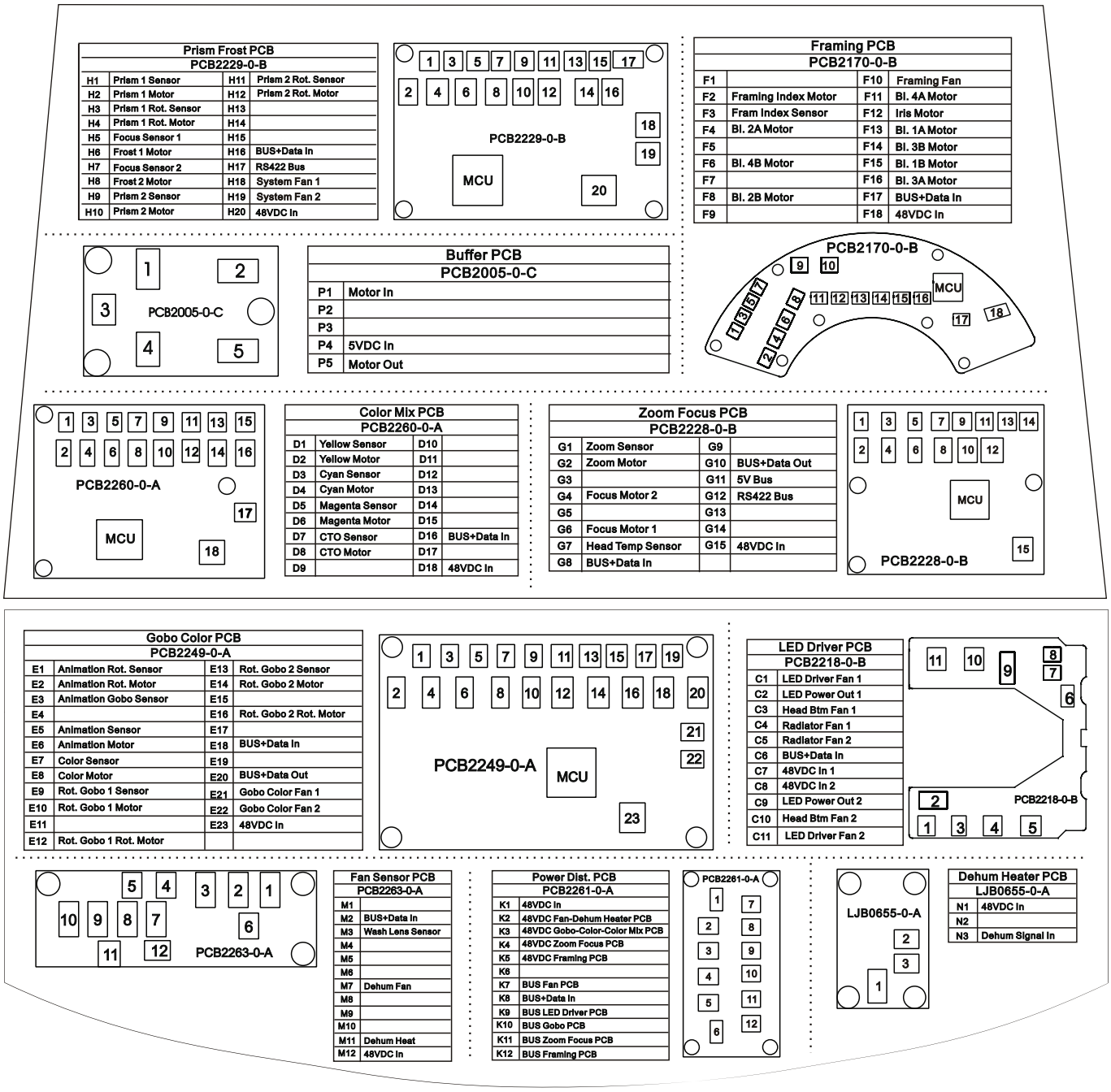
WIRING LABELS

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	Bl. 4A Motor
F3	Fram Index Sensor	F12	Iris Motor
F4	Bl. 2A Motor	F13	Bl. 1A Motor
F5		F14	Bl. 3B Motor
F6	Bl. 4B Motor	F15	Bl. 1B Motor
F7		F16	Bl. 3A Motor
F8	Bl. 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

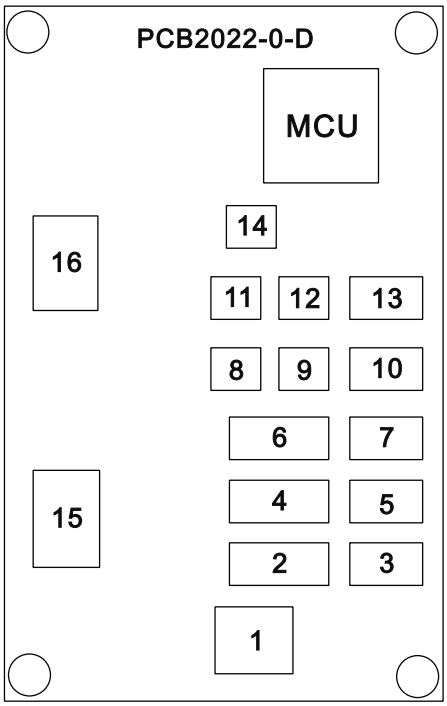
Power Dist. PCB	
PCB2261-0-A	
K1	48VDC In
K2	48VDC Fan-Dehum Heater PCB
K3	48VDC Gobo-Color-Color Mix PCB
K4	48VDC Zoom Focus PCB
K5	48VDC Framing PCB
K6	
K7	BUS Fan PCB
K8	BUS+Data In
K9	BUS LED Driver PCB
K10	BUS Gobo PCB
K11	BUS Zoom Focus PCB
K12	BUS Framing PCB

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

WIRING LABELS

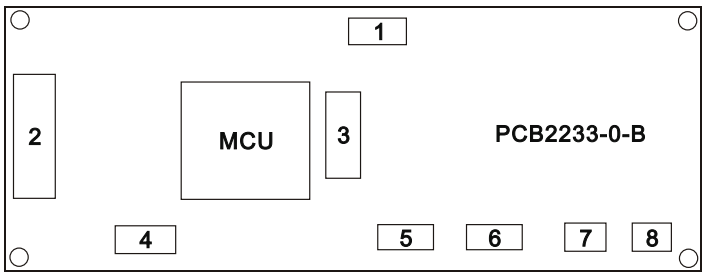
ARM LABEL DETAIL

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

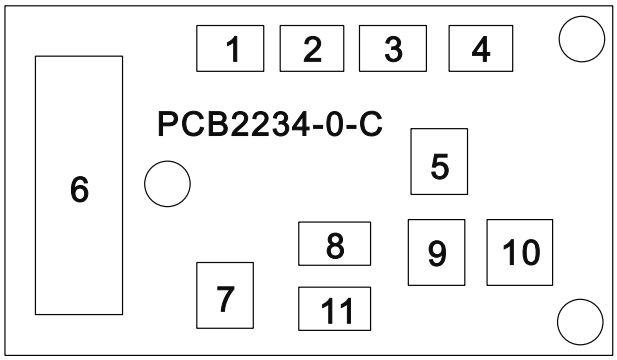


BASE LABEL DETAIL

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
Front Lens 6.3" (160mm)

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, 6500K - 2600K
6 Dichroic Colors including UV Filter, Quad Color
TruTone variable CRI 73-93

GOBOS
2x 7 Rotating / Indexing Interchangeable Glass Gobos

CONTROL / CONNECTIONS
2 DMX Channel Modes (43 / 65 ch)
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)
Center-to-Center Distance: 25.1 in (638mm)
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

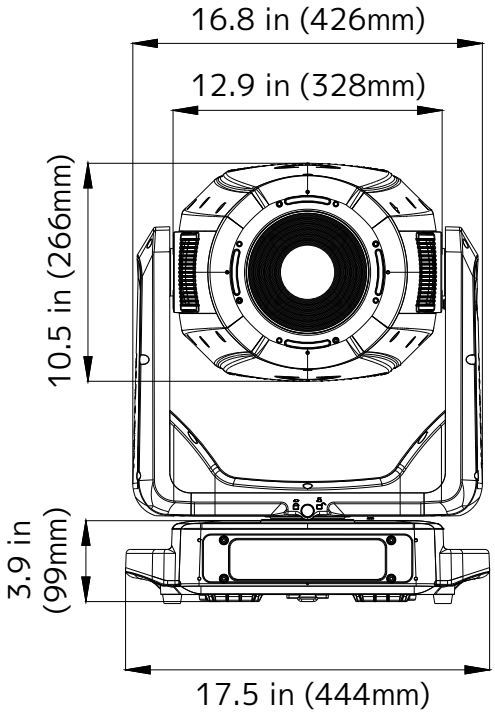
Intertek
3104374

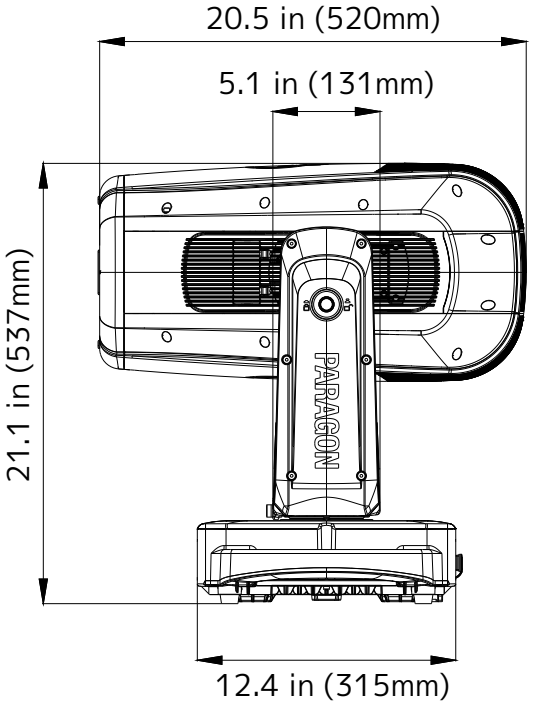
IP54

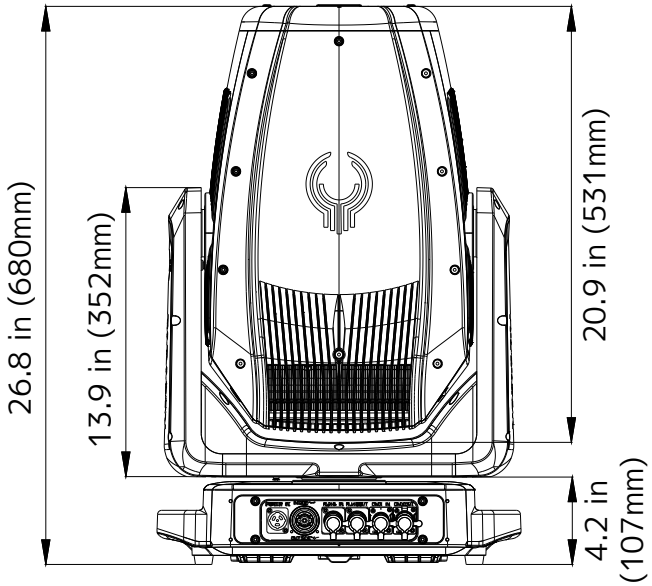
Specifications and documentation subject to change without notice.

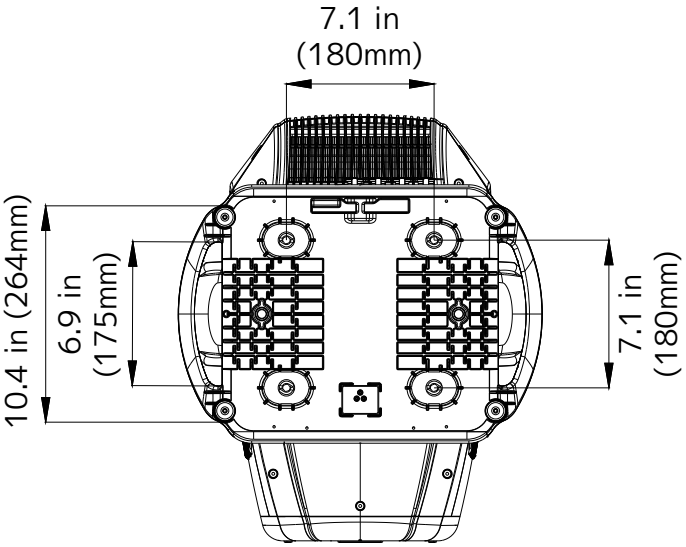
DIMENSIONAL DRAWINGS

Drawings not to scale









DIMENSIONAL DRAWINGS

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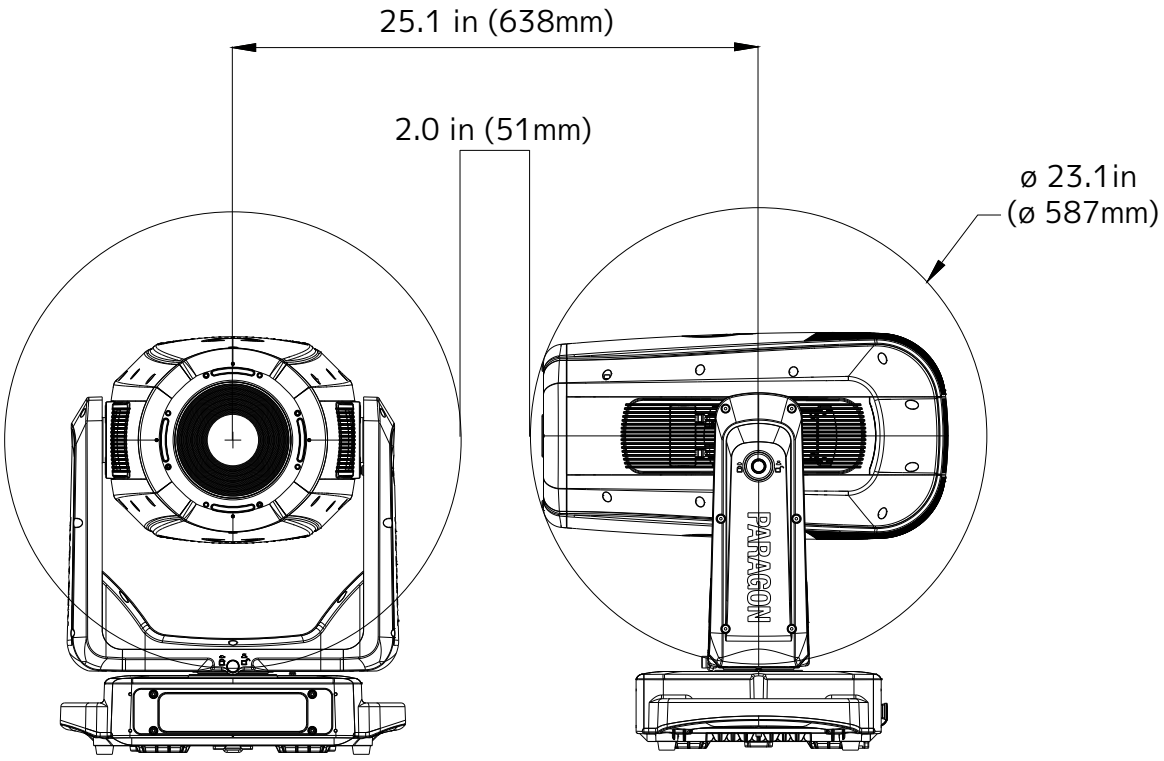
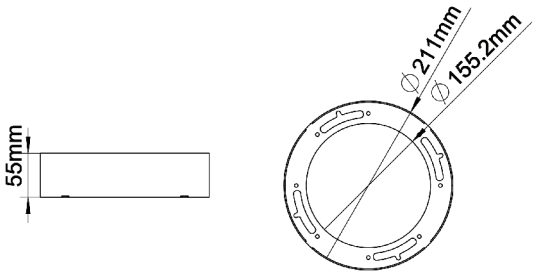
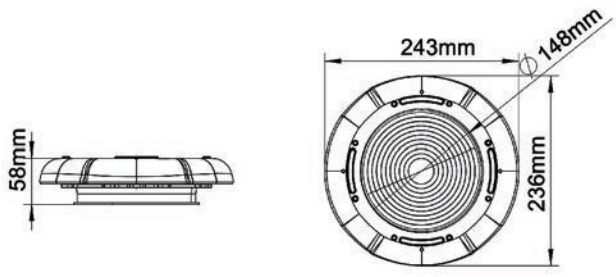


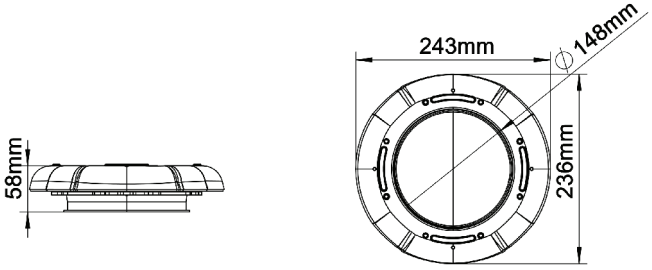
Snoot



Fresnel Lens



PC Lens



DIMENSIONAL DRAWINGS

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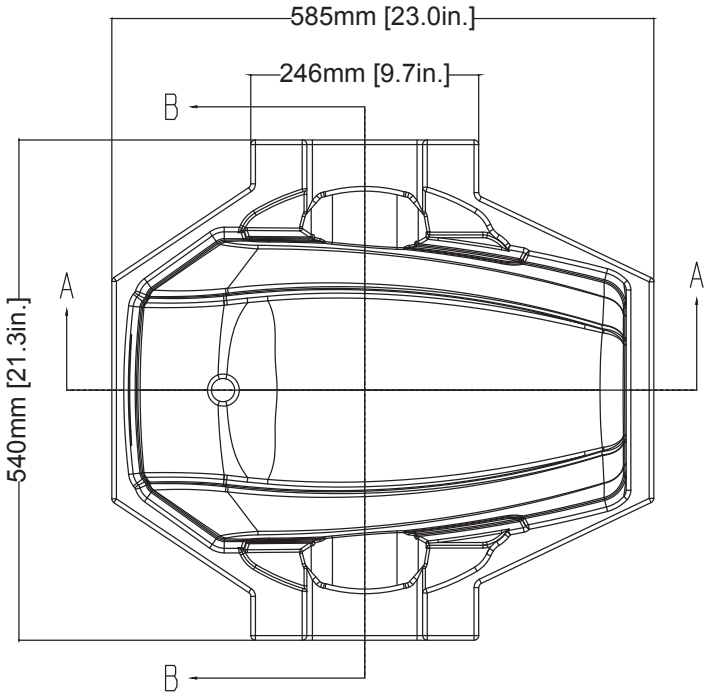

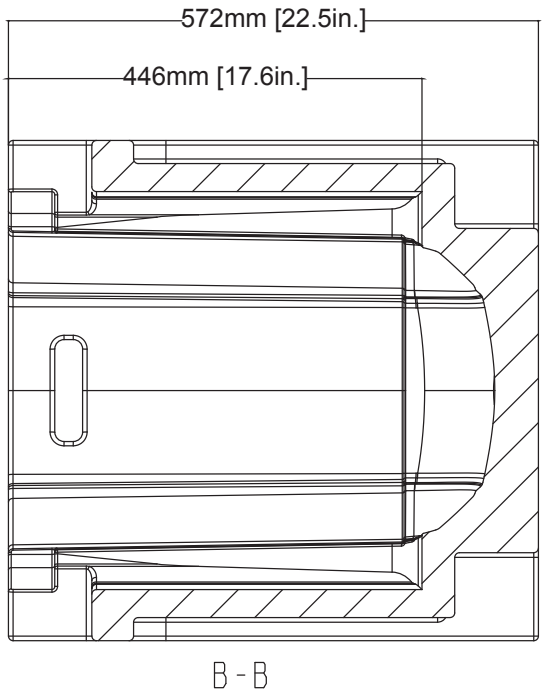

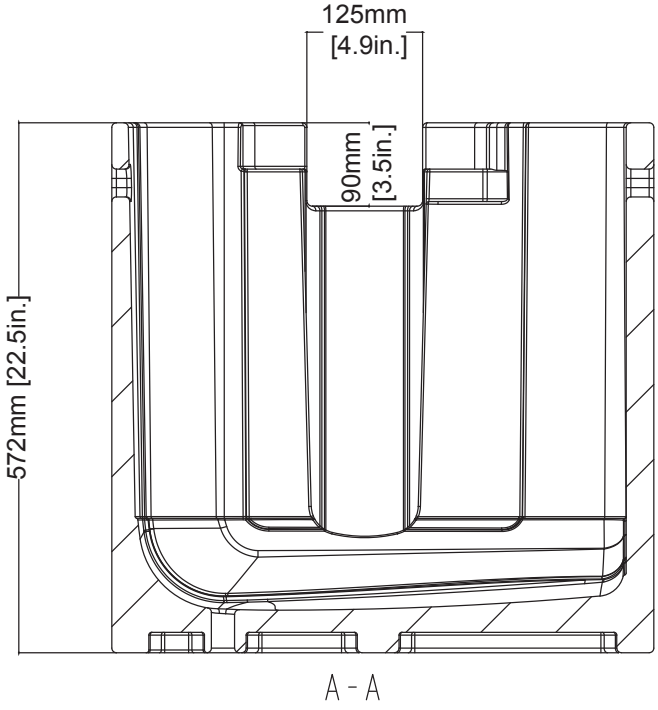

ORDERING INFORMATION

SKU (US)	SKU (EU)	ITEM DESCRIPTION
PAR112	1237000351	Paragon M
PAR148	1237000368	Paragon M Fresnel Lens
PAR172	1237000367	Paragon M PC Lens
PAR124	1237000370	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!