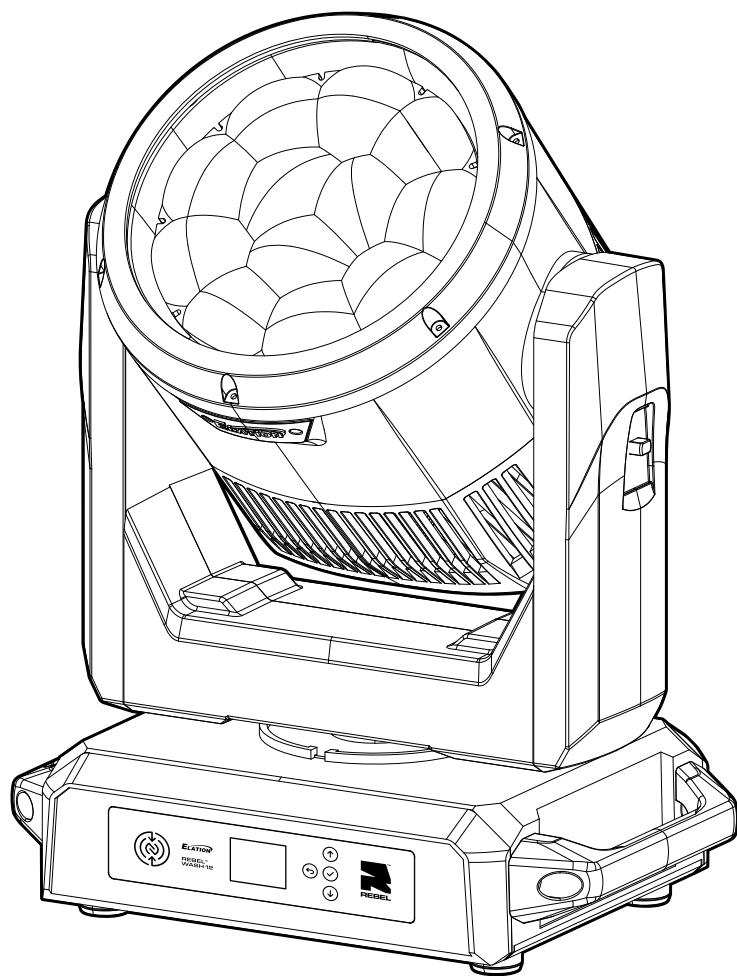


ELATION®



REBEL™ WASH 12
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	SoftwareVersion ≥	DMX Channel Modes	Notes
12/18/2025	1.0	1.0.0	21/28/68	Initial Release
01/09/2026	1.1	N/C	N/C	Updated Overview, RDM, System Menu, Specifications

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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)

Safety Cable

IP65 Rated Locking Power Cable

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.

IP65 RATED

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

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

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



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

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

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

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

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

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

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

There is no specific time frame regarding the routine replacement of parts such as belts/stepper motors, PCBs, or LEDs. These items should only be replaced on an as needed bases, except for cooling fans, which should be replaced once the luminaires reach 10,000-hours. This is a prophylactic measure intended to keep the unit running as cool as possible, 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 a smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts (omega brackets) included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.



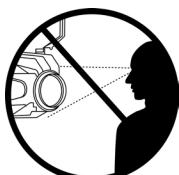
PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.



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



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



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



**MINIMUM DISTANCE TO OBJECTS/SURFACES MUST BE 1.6 FEET (.5 METERS)
MINIMUM DISTANCE OF FLAMMABLE MATERIALS 1.6 FEET (0.5 METER)
MINIMUM DISTANCE TO LIGHTING OBJECTS 1.6 FEET (0.5 METER)
MINIMUM/MAXIMUM AMBIENT TEMPERATURE -4°F-113°F (-20°C-45°C)**

1. The light source in this luminaire should only be replaced by the manufacturer, their authorized service agent, or a similarly qualified individual.
2. Position the luminaire so that prolonged staring into it from a distance closer than 3.8 meters is unlikely.
3. This luminaire is designed exclusively for professional use.

SAFETY GUIDELINES

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

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

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

DO NOT block any air ventilation slots.

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

Allow approx. 1.6' (.5m) between fixture and other devices or a wall for proper cooling.

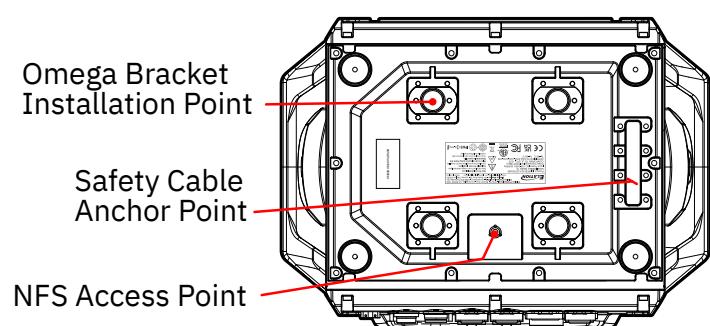
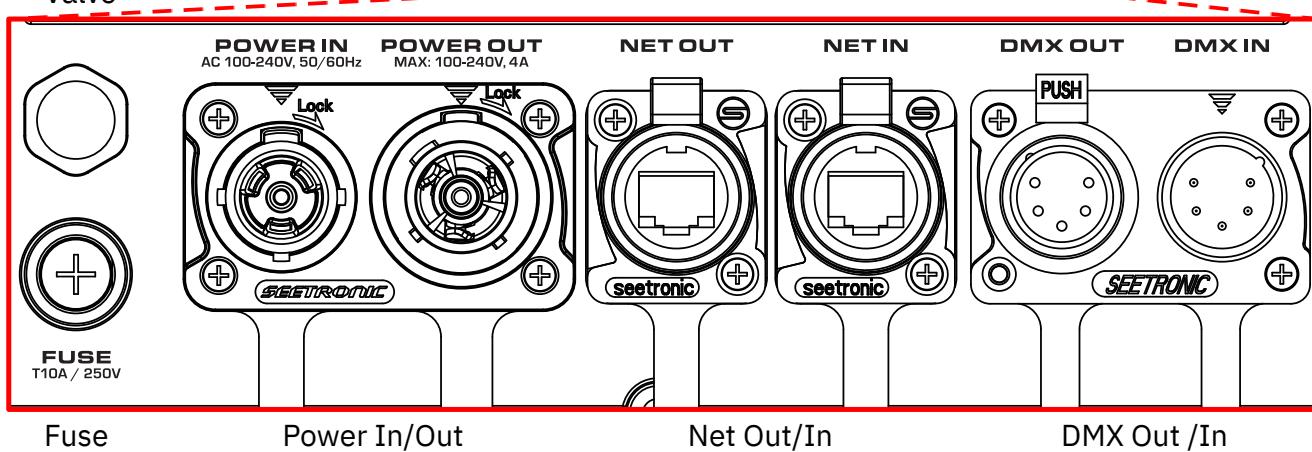
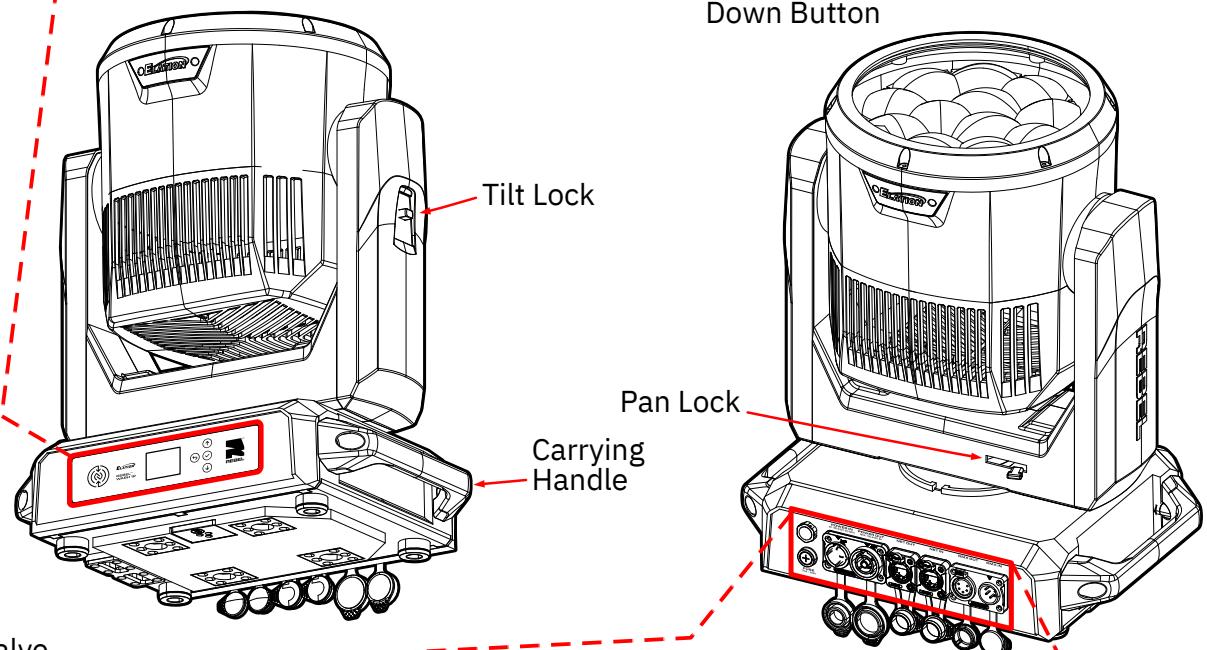
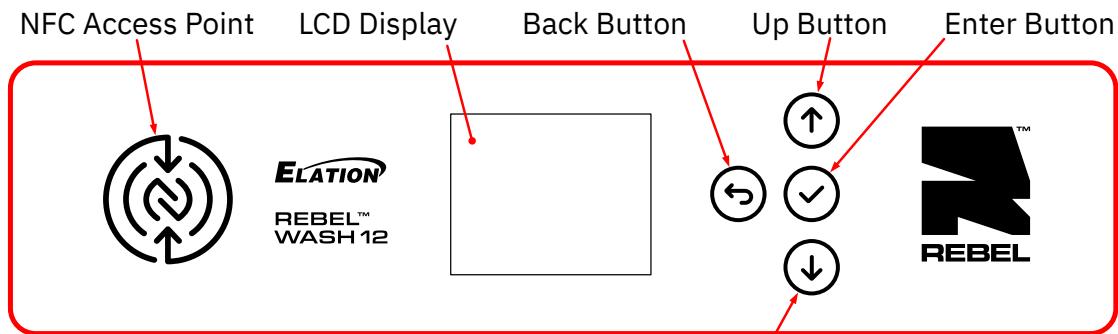
Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

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

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

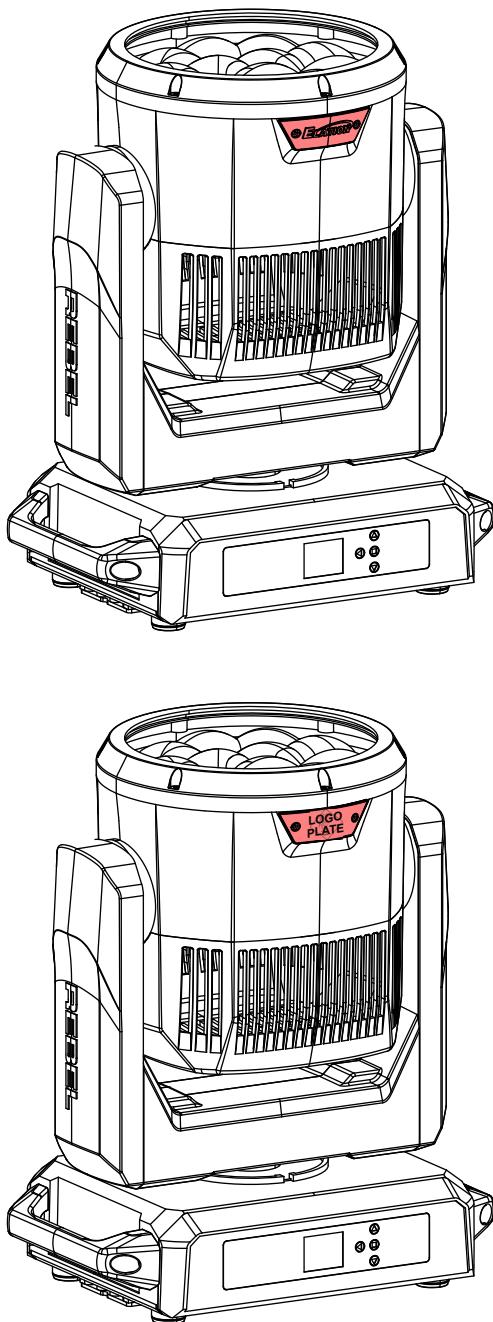
ONLY use the original packaging and materials to transport the fixture in for service.

OVERVIEW

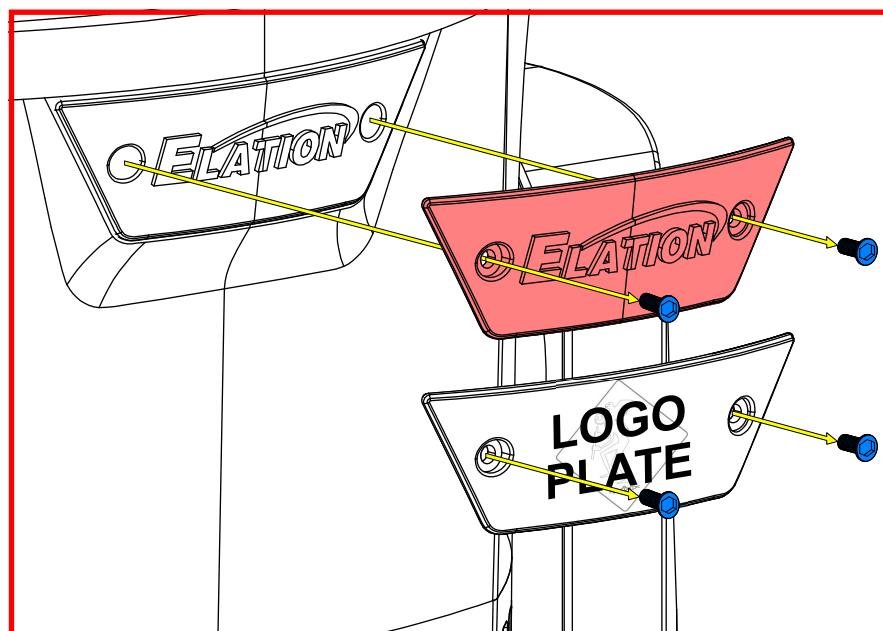
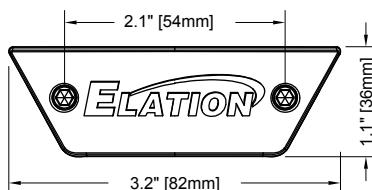


CUSTOM LOGO PLATE INSTALLATION

To install a Logo Plate, ensure the fixture is powered off and disconnected.



Locate and remove the existing Elation Logo Plate using a hex driver by unscrewing the two holding screws. Using the existing mounting screws, align the screw holes of the new badge with the mounting holes of the fixture.



Gently screw the new Logo Plate into place, making sure it is flush and straight. Do not overtighten to prevent damage to the badge or the fixture.

After installation, check that the Logo Plate does not interfere with any moving parts of the fixture. Once everything looks good, reconnect the power, turn on the fixture, and observe its operation to ensure the badge installation has not affected functionality. Periodically check the badge for tightness, particularly after transportation or if the fixture is frequently moved, to avoid it becoming loose over time.

TORQUE SETTINGS FOR SCREWS



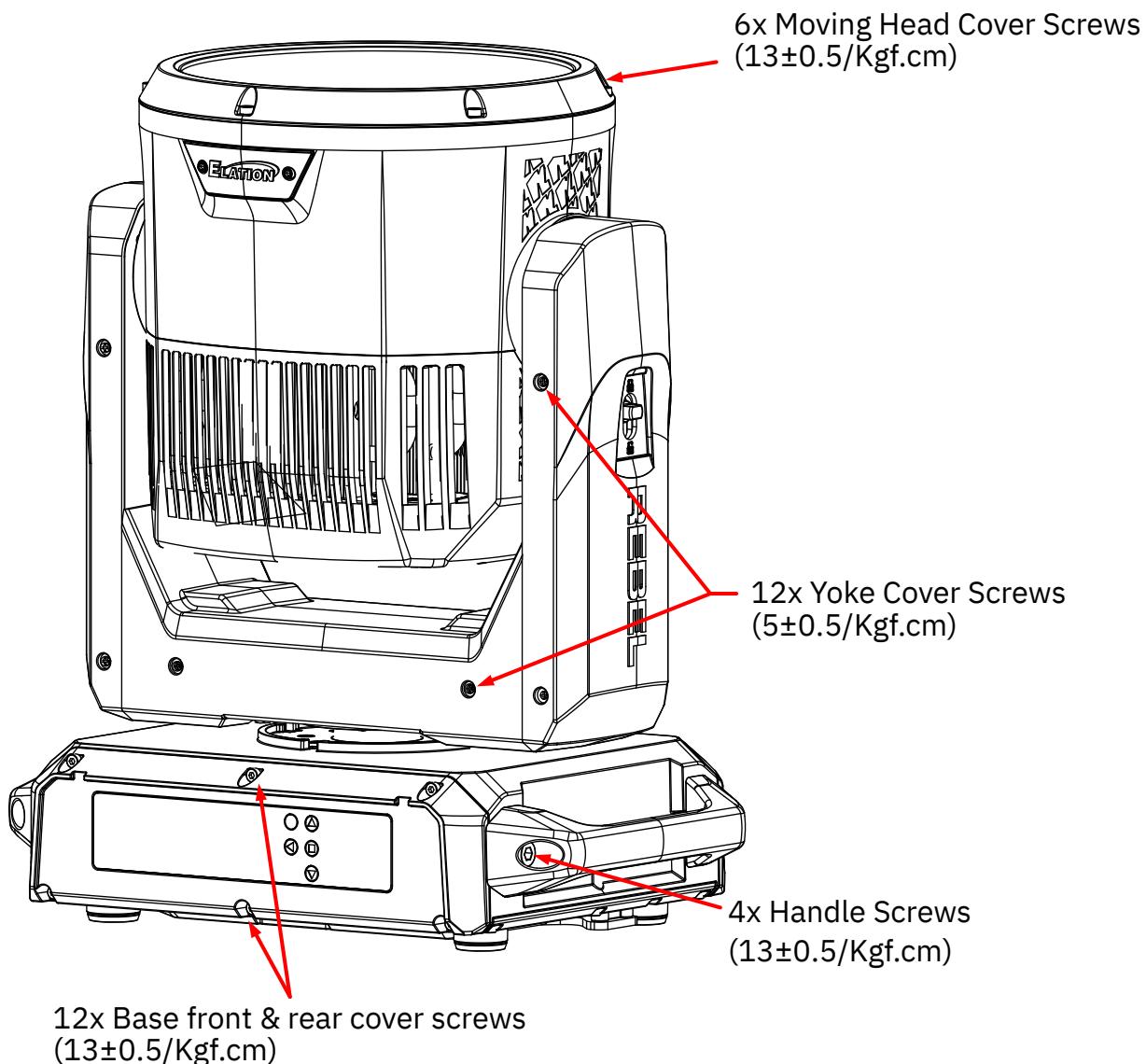
PANEL SCREWS MUST BE TIGHTENED WITH A TORQUE WRENCH ACCORDING TO THE TORQUE SPECIFICATION DESCRIBED BELOW.



CAUTION! DO NOT OVER TORQUE SCREWS AS THIS CAN CAUSE LEAKAGE ISSUES! TO CONFIRM THE IP65 INTEGRITY AFTER A PROCEDURE REQUIRING DISASSEMBLY/REASSEMBLY, TEST THE FIXTURE USING THE IP TESTER. CONTACT ELATION SERVICE FOR MORE DETAILS.



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



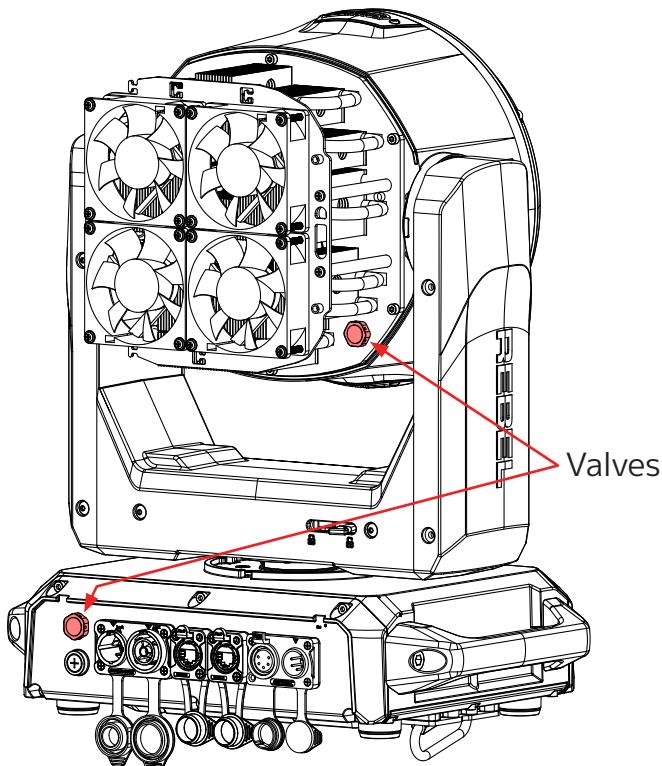
IP TEST PARAMETERS

Following any repair or maintenance procedure that requires disassembly of the fixture, use Elation's IP Tester to confirm the IP integrity of the fixture. Please contact Elation Service for information regarding the Elation IP Tester, or visit the product information page online at: <https://www.elationlighting.com/ip-tester>



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

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



IP PRESSURE TESTING PARAMETERS			
Test Type	Low Pressure Limit	High Pressure Limit	Hold Time
Vacuum Test	-4.35psi (-30.00 KPa)	-5.08 psi (-35.00 KPa)	10s
Pressure Test	3.62 psi (25.00 KPa)	4.35 psi (30.00 KPa)	10s

Fixture Disassembly

The following points should be observed after performing any maintenance procedure that requires disassembly of the unit:

- After the unit has been reassembled, open the valve and allow the unit to run for approximately 2 hours in order to dry out any moisture that has been trapped inside the fixture. The process should continue until indicated humidity drops below 15% for the head and 30% for the base.
- Once this has been achieved, the light can be switched off, but the unit should remain connected to power so that the cooling fan can cool down the unit. Please note that allowing cool down time should **ALWAYS** be done after lamp operation.
- Some units may require partial disassembly in order to gain access to the valve. Please contact Elation service for information regarding the location and access procedure for the valve on your specific unit model.

INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING

Keep fixture minimum 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

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



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



**MINIMUM DISTANCE TO OBJECTS/SURFACES
MUST BE 1.6 FOOT (0.5 METERS)**



**MINIMUM DISTANCE OF FLAMMABLE MATERIALS
FROM THE SURFACE 1.6 FEET (0.5 METER)**



MAXIMUM AMBIENT TEMPERATURE 113° F (45°C)



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

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

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

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

Fixture ambient operating temperature range is **-4° to 113°F. (-20° to 45°C)**

Do not use the fixture under or above this temperature.

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

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

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

Allow approximately 10 minutes for the fixture to cool down before servicing.

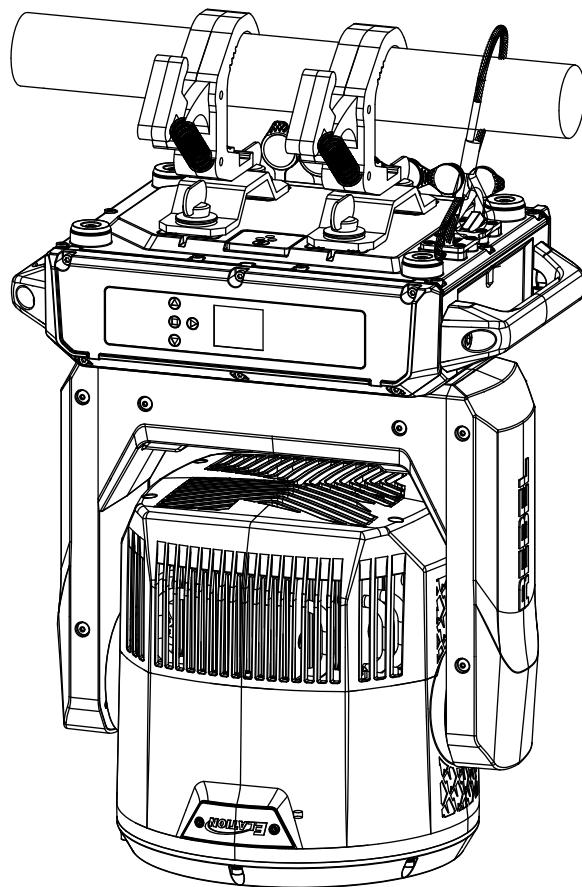
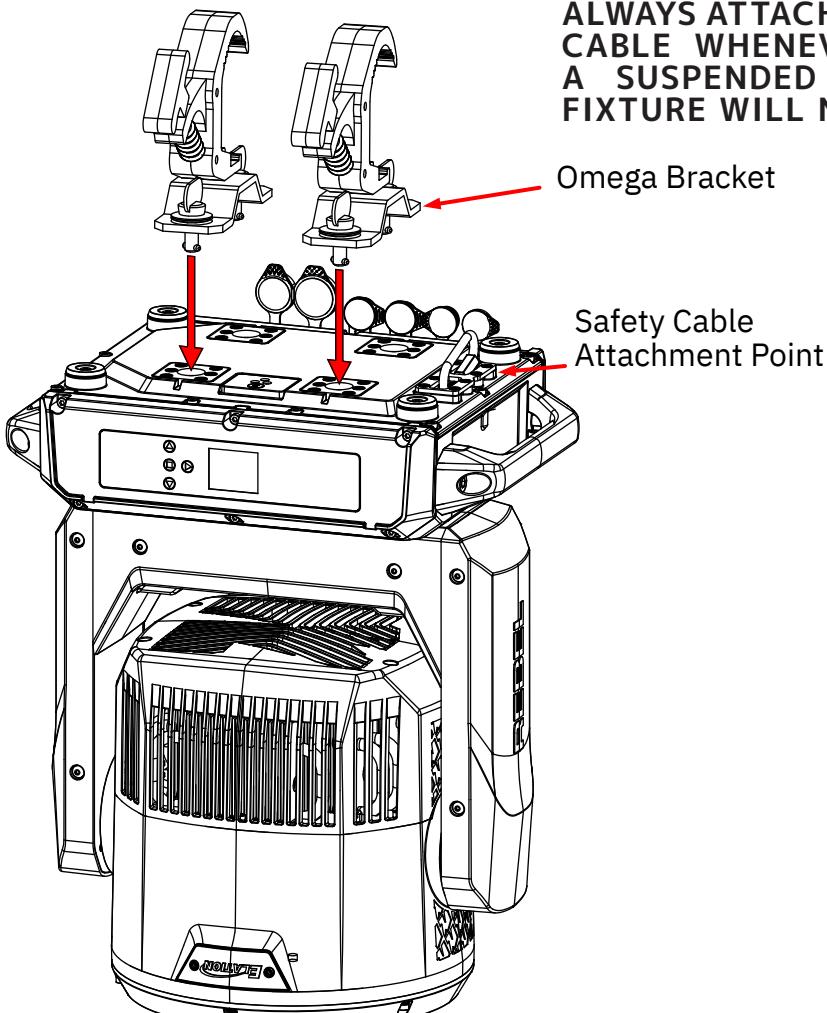
INSTALLATION GUIDELINES

OMEGA BRACKETS WITH CLAMP INSTALLATION

When mounting the fixture to a truss, be sure to secure an appropriately rated professional grade rigging clamp to the included **Omega Brackets** using an M10 screw fitted through the center hole of the **Omega Brackets**. Insert the Omega Brackets into the matching holes on the bottom of the fixture. Secure the Omega Brackets to the fixture by turning each quick-lock fastener $\frac{1}{4}$ turn clockwise; making sure the fastener is completely locked. Omega Brackets can be installed into the fixture base as illustrated below.

SAFETY CABLE

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



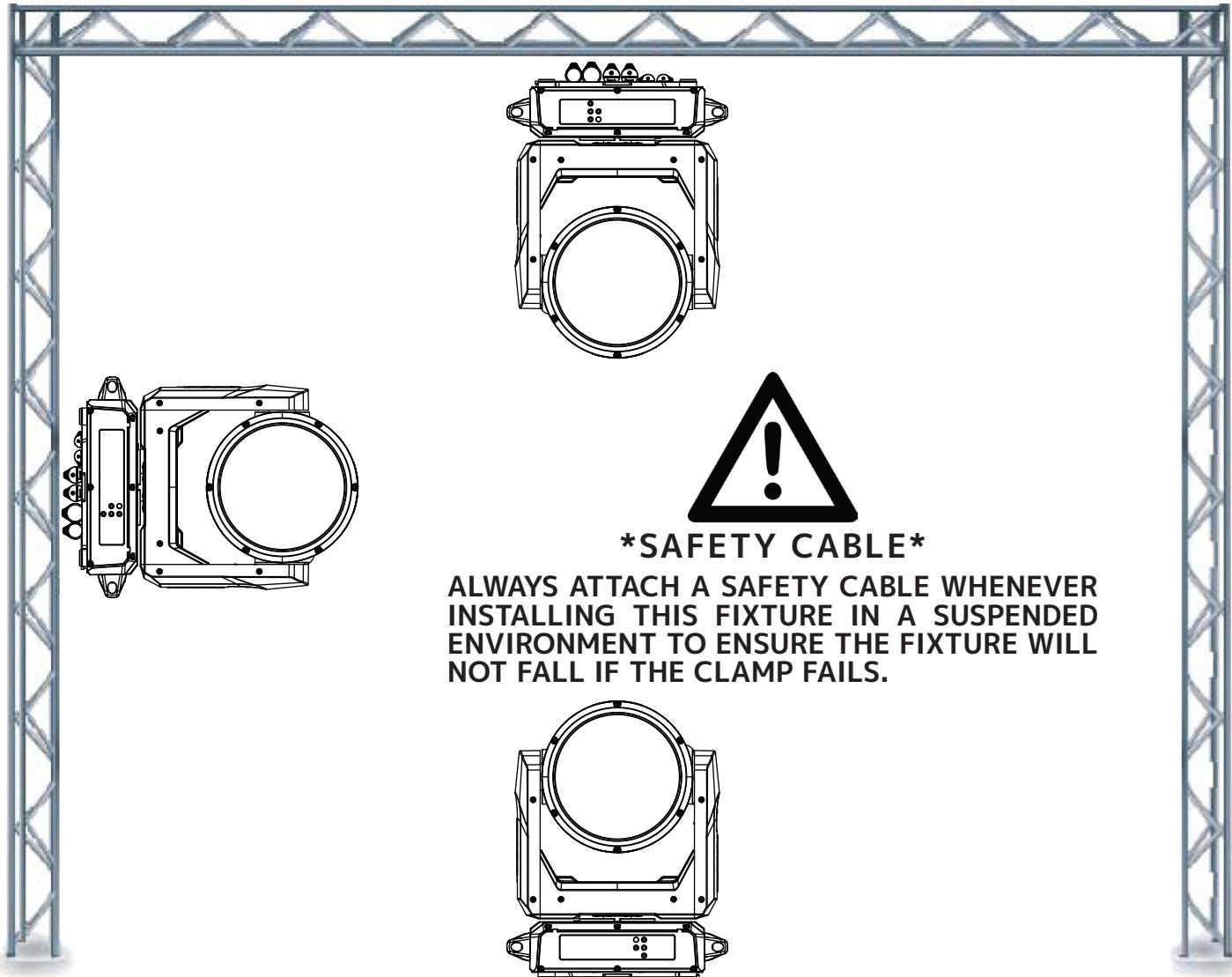
RIGGING

Overhead rigging requires extensive experience, including among others, calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury. The fixture provides a built-in rigging point for a **SAFETY CABLE** (not included). Be sure to only use one of the designated rigging point for the safety cable and never secure a safety cable to a carrying handle. Connect the safety cable to the attachment point and route it around the truss.

INSTALLATION GUIDELINES

Fixture Installation

The Elation Rebel Wash 12 is fully operational in three different mounting positions, hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least (1.6' (0.5m) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails. Never use the carrying handles for secondary attachment.



ART-NET | sACN CONNECTION

When connecting fixture to a network switch to control multiple devices, a **Gigabit Ethernet Switch** that supports **IGMP (Internet Group Management Protocol)** is required. Using a **Gigabit Ethernet Switch** that does not support **IGMP** can cause erratic behavior of all connected devices to the switch. Click link below for more information about IGMP.

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



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

ART-NET | sACN CONNECTION

When connecting fixture to a network switch to control multiple devices, a Gigabit Ethernet Switch that supports IGMP (Internet Group Management Protocol) is required. Using a Gigabit Ethernet Switch that does not support IGMP can cause erratic behavior of all connected devices to the switch. Click link below for more information about IGMP.

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

POWER AND DATA CABLES

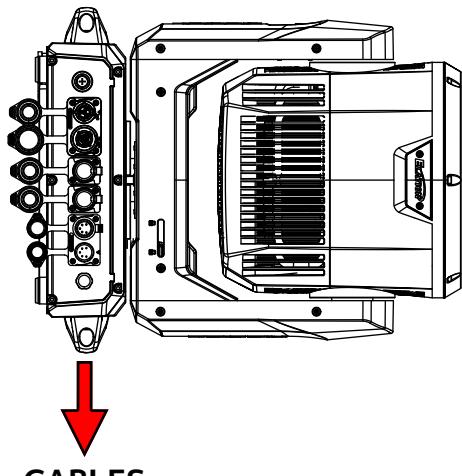
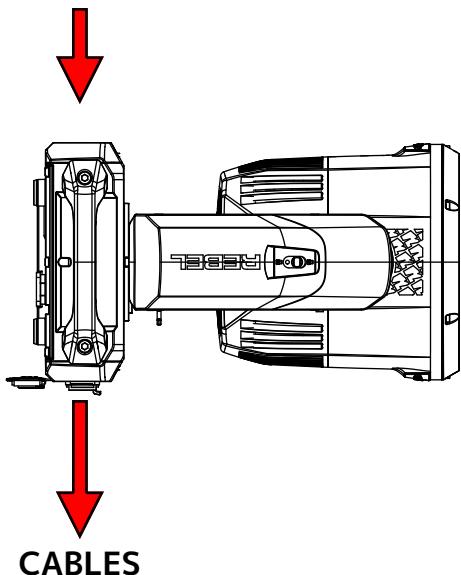


ENSURE ALL CONNECTIONS AND END-CAPS ARE PROPERLY SEALED WITH DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT.



TO MAINTAIN THE IP65 RATING INTEGRITY OF THE FIXTURE, ALL CABLES MUST BE RUN TOWARDS THE GROUND TO PREVENT WATER ACCUMULATION AROUND THE CONNECTIONS.

SYSTEM MENU LCD DISPLAY



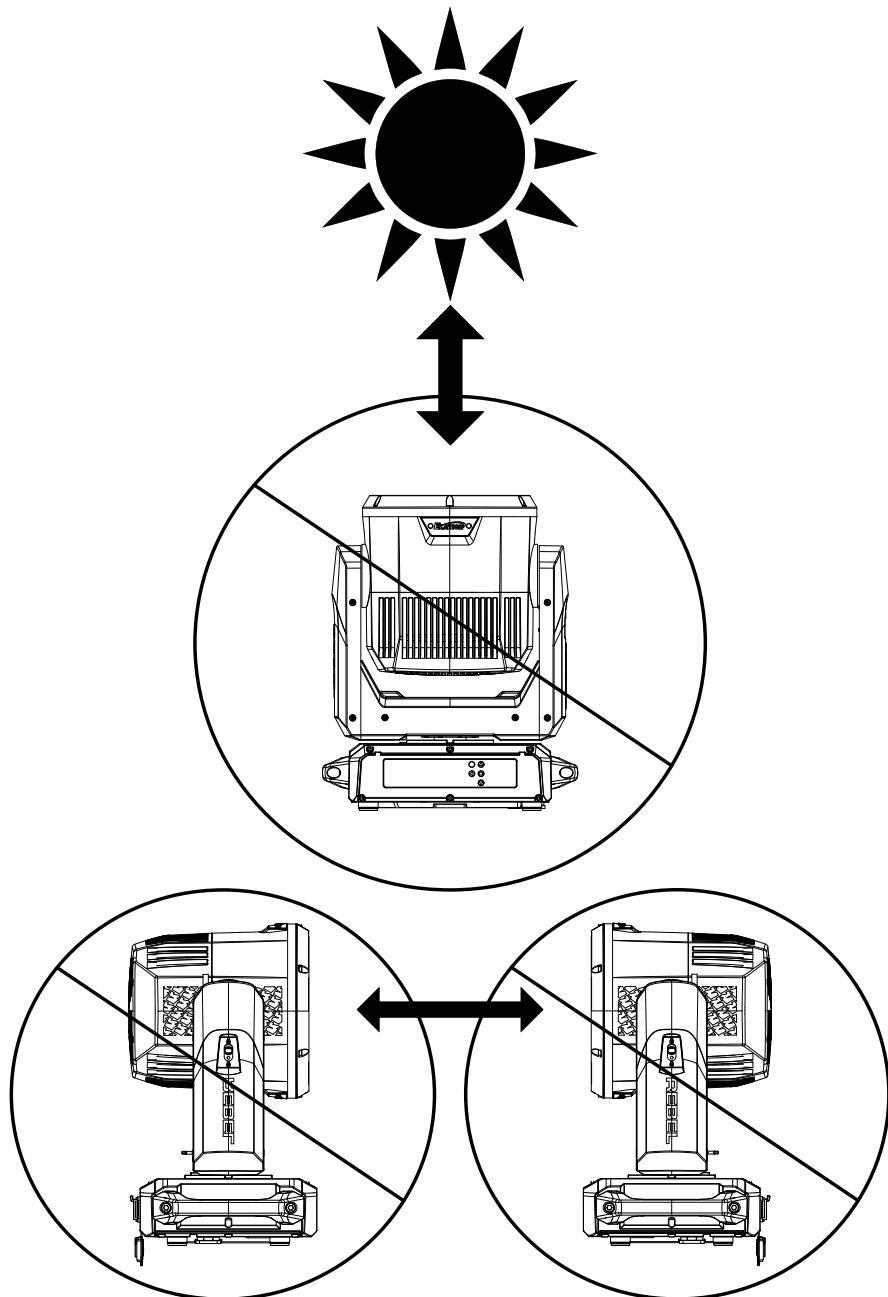
INSTALLATION GUIDELINES

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.



ARIA SETUP AND GUIDELINES

2.4GHZ Versus Sub-Gig (GHz) Frequencies:

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

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

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

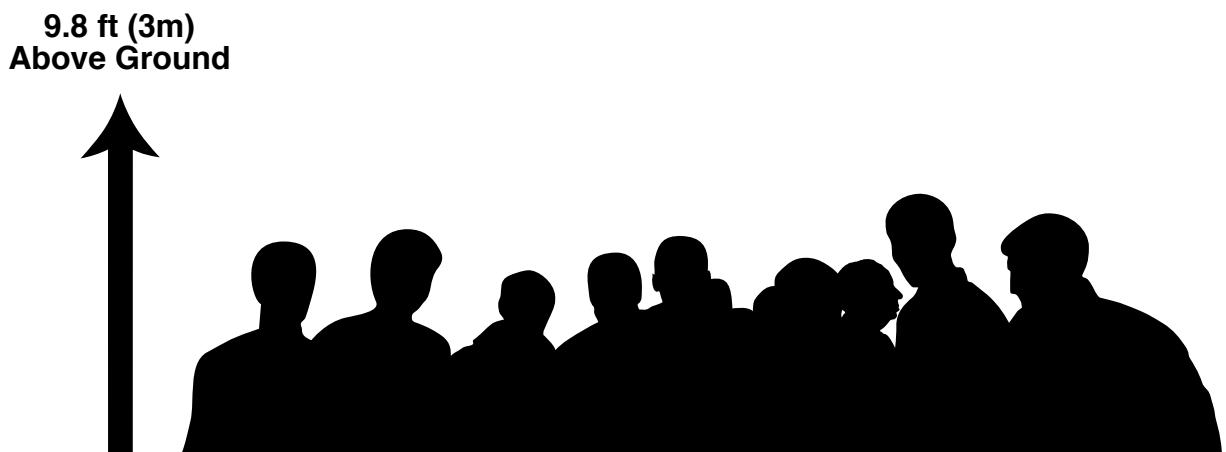
In summary, if an application demands high data rates and more bandwidth in urban or densely populated areas where interference management is feasible, the 2.4 GHz frequency is a suitable choice. On the other hand, for applications requiring long-range communication and better obstacle penetration, particularly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

Installation Recommendations:

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

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

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



ARIA SETUP AND GUIDELINES

GENERAL INFORMATION

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

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

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

LEGACY DEVICES

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

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

Fixture Identification

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

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

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

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

ARIA SETUP AND GUIDELINES

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

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

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

SECURITY

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

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

SYSTEM MENU

The fixture includes an easy to navigate system menu. The control panel (see image below) located on the front of the fixture, provides access to the main system menu and is where all necessary system adjustments are made to the fixture. During normal operation, pressing **ENTER** button once will access the fixture's main menu. Once in the main menu you can navigate through the different functions and access the submenus with the **UP** and **DOWN** buttons. Once you reach a field that requires adjusting, press the **ENTER** button to activate that field and use the **UP** and **DOWN** buttons to adjust the field. Pressing the **ENTER** button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the **ENTER** button.

Unlock Screen: Press **UP, DOWN, UP, DOWN, ENTER.**

Display Shortcuts:

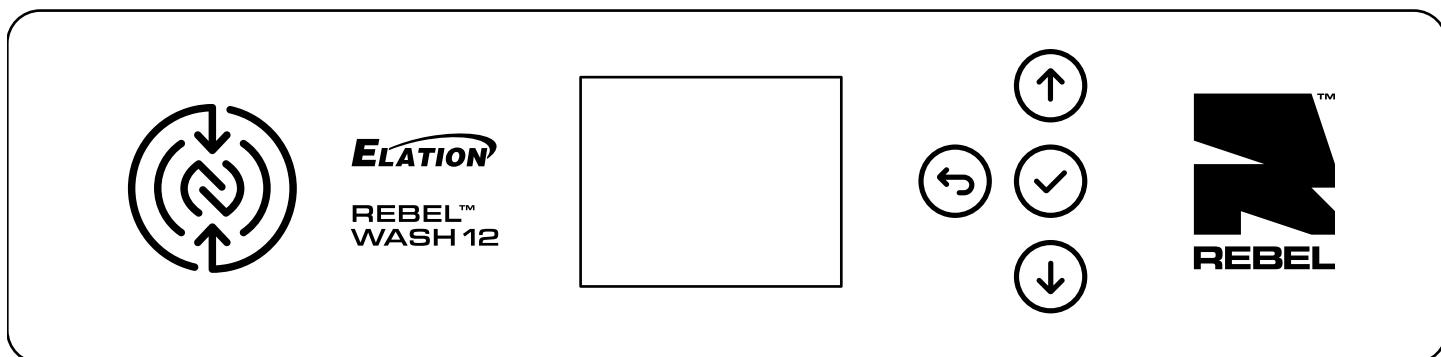
Power Off: Long press the **ENTER** button for 3s, activate battery mode

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

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

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

NOTE: To access the LCD Menu Control Display via the internal battery, press and hold the **MODE/ESC** button for 10 seconds. The LCD Menu Control Display will shut **OFF** automatically about 1 minute from the last button press.



IMPORTANT: THIS FIXTURE IS EQUIPPED WITH ARIA X2. ARIA'S WIRELESS FEATURES HAVE BEEN SET TO OFF BY DEFAULT. ACTIVATE ARIA X2 AND BLUETOOTH IN THE SYSTEMS MENU TO TAKE ADVANTAGE OF ITS WIRELESS FEATURE SET FOR WIRELESS CONNECTIVITY AND OVER THE AIR SOFTWARE UPDATES.



AN ELATION C-LOADER CAN BE USED TO UPDATE THE FIXTURE TO THE LATEST SOFTWARE. SEE PAGE 41 FOR INSTRUCTIONS. TO ORDER THIS DEVICE, PLEASE CONTACT ELATION SUPPORT FOR FURTHER DETAILS.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | 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 , Pixels
	No DMX Status	Hold Last , Fade to Black, Sun Protection
		Hibernation Off, 1-99M (Default = 15 Min)
	Protocol	Select Signal DMX , Art-Net, sACN, Aria In-DMX Out, DMX In - Aria Out
		Universe 1
		DHCP Off/On
		IP Address 2.x.x.x
		Subnet Mask 255.0.0.0
	Aria	Ethernet DMX Out Off/On
		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
Control	Enable Bluetooth	Off / On
	Manual Control	Dimmer 0% - 100% , Pan, Tilt, ...
	Reset	All, Pan Tilt, Color, Gobo, Shutter, Others
Settings	Self Test	All, Dimmer, Movement, Color Mix, Gobo, Beam
	Fan Mode	Mute, Studio, Low, High, Auto
	Movement	Pan Invert Off/On
		Tilt Invert Off/On
		Pan Degree 360/540
		Tilt Degree 360/270
		PanTilt Path Shortest Path / Continue Path
	Display	Pan Tilt Speed Smooth/ Fast
		Pan Tilt Feedback Off/On
	Dimmer Curve	Linear, Square, Square Inverse, S-Curve
	Dimmer Mode	Standard, Stage, TV, Architectural, Theatre, Stage 2
	Dim Speed	10s - 10s
	LED Refresh Rate	900Hz - 1500Hz (1200Hz), 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10KHz, 15KHz, 20KHz, 25KHz
	LED Power Limit	50%, 60%, 70%, 80%, 90%, 100%
Information	Display	Screen Delay 10s - 5min (Default = 1 min)
		Screen Lock Off , 10s - 5 min
		Auto Rotate Off/On
	Reset Defaults	Yes / No
	Time	Current Time, Total Run Time, Last Run Time, LED Time
	Temperature	Head, Base, LED
	Humidity	Head, Base
Service (Passcode 50)	Fan	Fan xx, ...
	DMX Values	Pan, Tilt, ...
	Product IDs	RDM UID
	Error Logs	Fixture Errors
	Software Version	Vx.x
	Calibration	Dimmer, Pan, Tilt, ...
Service (Passcode 50)	Reset Last Run	Yes / No
	Reset Error Logs	Yes / No

Display Shortcuts

Power On	Enter (10s)	Unlock display, show 10s countdown
	Up+Down (3s)	Disable Pan Tilt
	Back+Enter (10s)	Countdown 10 sec
		Reset Default (no/yes)

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.

FAN MODES AND LOW NOISE OPERATION

This fixture is a high-performance fixture suited for many applications. For noise critical environments like Theater, Opera or Orchestra Halls, it offers various operation modes to remove any distraction for the audience and performers. 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 modes smoothly transition over a brief period, preventing unwanted attraction to the fixture.

Fan Modes

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 at all times 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. **Auto is the recommend mode for daily operation of the Rebel Wash 12.**

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%.

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 Noise Modes

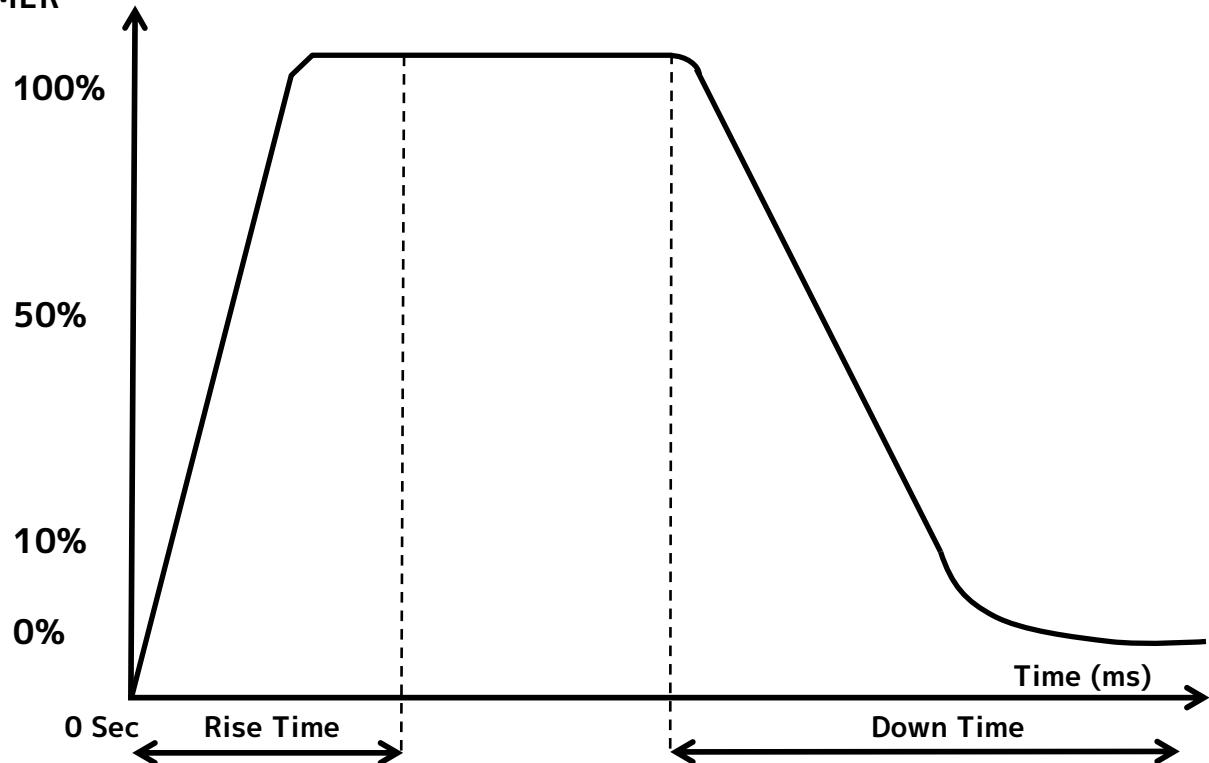
For very critical situations, the fixture offers two additional low noise modes for silent operation. The fixture output will be reduced, but as the fixture has such an extremely high luminous flux, it still offers outstanding performance.

Studio – This mode reduces the fixture output to approximately 50%.

Mute – Running the fixture in MUTE mode reduces the fixture to about 25% output.

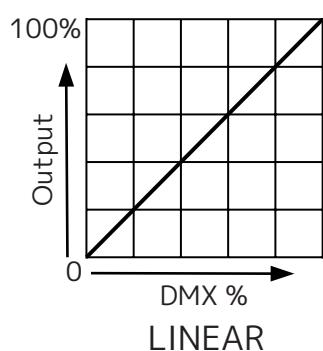
DIMMER MODE

DIMMER

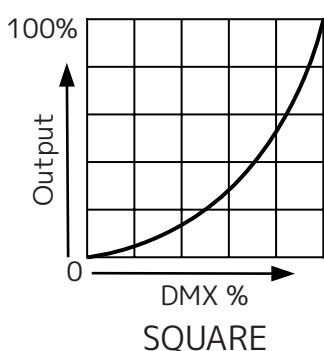


Dimming Curve	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660

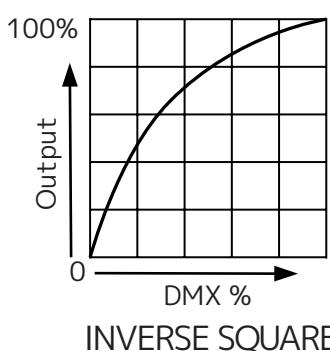
DIMMER CURVE



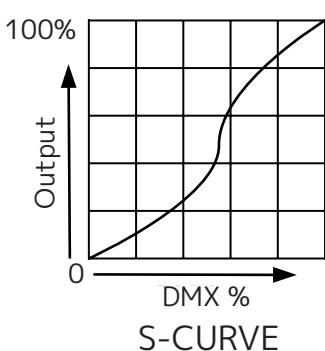
LINEAR



SQUARE



INVERSE SQUARE



S-CURVE

DMX TRAITS

MODE/CHANNEL			VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED	PIXELS				
1	1	1	0-255	Pan Left → Right		
2	2	2	0-255	Pan Fine Fine Position		
3	3	3	0-255	Tilt Forward → Backward		
4	4	4	0-255	Tilt Fine Fine Position		
5	5	5		Pan Rotation		
			0-2	Disabled		
			3-126	Clockwise Fast → Slow		
			127-129	Stop		
			130-253	Counter-clockwise Slow → Fast		
			254-255	Stop		
6	6	6		Tilt Rotation		
			0-2	Disabled		
			3-126	Clockwise Fast → Slow		
			127-129	Stop		
			130-253	Counter-clockwise Slow → Fast		
			254-255	Stop		
7	7		0-255	Red 0 → 100%		
	8		0-255	Red Fine Fine Saturation		
8	9		0-255	Green 0 → 100%		
	10		0-255	Green Fine Fine Saturation		
9	11		0-255	Blue 0 → 100%		
	12		0-255	Blue Fine Fine Saturation		
10	13		0-255	Lime 0 → 100%		
	14		0-255	Lime Fine Fine Saturation		
11	15	7		Variable CCT		
			0-23	Open (6000K)		
			24-255	2400K → 8500K (see table)		
	16	8	0-255	Variable CCT Fine Fine Adjustment		
12	17	9		Color		
			0	Open		
			1-179	Virtual Swatch Book (See Sheet)		
				Scroll		
			180-201	Clockwise Fast → Slow		
			202-207	Stop		
			208-229	Counter-clockwise Slow → Fast		
			230-234	Open		
				Random Slots		
			235-239	Fast		
			240-244	Medium		
			245-249	Slow		
			250-255	Open		

DMX TRAITS

MODE/CHANNEL			VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED	PIXELS				
13	18	10	0-255	Zoom		
				Narrow → Wide		
14	19	11	0-255	Zoom Fine		
				Fine Adjustment		
15	20	12	0-255	Strobe		
				0-31 Closed		
				32-63 Open		
				64-95 Strobe effect slow to fast		
				96-127 Open		
				128-159 Pulse Effect		
				160-191 Open		
				192-223 Random Slow → Fast		
				224-255 Open		
				Dimmer		
16	21	13	0-255	0 → 100%		
17	22	14		Dimmer Fine		
18	23	15	0-255	Fine Adjustment	X	
				Dimmer Modes		
			0-20	Standard		
				21-40 Stage		
				41-60 TV		
				61-80 Architectural		
				81-100 Theatre		
				101-120 Stage 2		
			0-255	Dimmer Time		
				121 0s		
				122 0.1s		
				123 0.2s		
				124 0.3s		
				125 0.4s		
				126 0.5s		
				127 0.6s		
				128 0.7s		
				129 0.8s		
				130 0.9s		
				131 1.0s		
				132 1.5s		
				133 2.0s		
				134 3.0s		
				135 4.0s		
				136 5.0s		
				137 6.0s		
				138 7.0s		
				139 8.0s		
				140 9.0s		
				141 10s		
				141-255 Idle		
19	24	16	0-255	Pan / Tilt Speed	X	
				0-225 Max → Min Speed		
				226-235 Blackout by movement		
				236-245 Blackout by wheel changes		
				246-255 No function		

DMX TRAITS

MODE/CHANNEL			VALUE	FUNCTION	SNAP	DEFAULT
STANDARD	EXTENDED	PIXELS				
18	25	17		Control		
			0-10	Idle		
				Movement Options		
			11-12	PanTilt Shortest Path		
			13-14	PanTilt Continue Path (default)		
			15-16	Pan Range 540 (default)		
			17-18	Pan Range 360		
			19-20	Tilt Range 270 (default)		
			21-22	Tilt Range 360		
			23-49	Idle		
				Fan Mode		
			50-59	Low		
			60-69	High		
			70-79	Auto		
				Reset		
			80-84	All		
			85-87	Pan / Tilt		
			88-90	Zoom		
			97-99	Idle		
				Refresh Rate (Hz)		
			100-168	See table		
			169-174	Idle		
			185-200	Idle		
				Dimmer Curves		
			201-210	Linear		
			211-220	Square		
			221-230	Inverse Square		
			231-240	S-Curve (Default)		
			241-255	Idle		
19	26	18'		FX Selection	X	0
			0	Idle		
			1-255	FX 1 → 255 (see table)		
20	27	19		FX Speed		0
			0-126	Slow → Fast		
			127-128	Stop		
			129-255	Rev Fast → Slow		
21	28	20		FX Offset	X	0
			0	Idle		
			1	Fixture Offset 10 Degrees		
			2	Fixture Offset 20 Degrees		
			3-34	Fixture Offset...		
			35	Fixture Offset 350 Degrees		
			36	Synchronized		
			37-49	Random Fixture Offset		
			50-59	Random Pixel Order		
			60-69	Random Steps		
			70-79	Idle		
				Effect Fade		
			80-89	Sinewave- Cross		
			90-99	Sinewave- Full		
			100-109	Sawtooth- Cross		
			110-119	Sawtooth- Full		
			120-129	Ramp Up		
			130-139	Ramp Down		
			140-149	Steps		
			150-255	Idle		

DMX TRAITS: RGBL PIXELS

Mode/Channel			Value	Function	Snap	Default
Standard	Extended	Pixels				
		21	0-255	Red 1 0 → 100%		
		22	0-255	Green 1 0 → 100%		
		23	0-255	Blue 1 0 → 100%		
		24	0-255	Lime 1 0 → 100%		
		25	0-255	Red 2 0 → 100%		
		26	0-255	Green 2 0 → 100%		
		27	0-255	Blue 2 0 → 100%		
		28	0-255	Lime 2 0 → 100%		
		29	0-255	Red 3 0 → 100%		
		30	0-255	Green 3 0 → 100%		
		31	0-255	Blue 3 0 → 100%		
		32	0-255	Lime 3 0 → 100%		
		33	0-255	Red 4 0 → 100%		
		34	0-255	Green 4 0 → 100%		
		35	0-255	Blue 4 0 → 100%		
		36	0-255	Lime 4 0 → 100%		
		37	0-255	Red 5 0 → 100%		
		38	0-255	Green 5 0 → 100%		
		39	0-255	Blue 5 0 → 100%		
		40	0-255	Lime 5 0 → 100%		
		41	0-255	Red 6 0 → 100%		
		42	0-255	Green 6 0 → 100%		
		43	0-255	Blue 6 0 → 100%		
		44	0-255	Lime 6 0 → 100%		
		45	0-255	Red 7 0 → 100%		
		46	0-255	Green 7 0 → 100%		
		47	0-255	Blue 7 0 → 100%		
		48	0-255	Lime 7 0 → 100%		

DMX TRAITS: RGBL PIXELS

Mode/Channel			Value	Function	Snap	Default
Standard	Extended	Pixels				
		49	0-255	Red 8 0 → 100%		
		50	0-255	Green 8 0 → 100%		
		51	0-255	Blue 8 0 → 100%		
		52	0-255	Lime 8 0 → 100%		
		53	0-255	Red 9 0 → 100%		
		54	0-255	Green 9 0 → 100%		
		55	0-255	Blue 9 0 → 100%		
		56	0-255	Lime 9 0 → 100%		
		57	0-255	Red 10 0 → 100%		
		58	0-255	Green 10 0 → 100%		
		59	0-255	Blue 10 0 → 100%		
		60	0-255	Lime 10 0 → 100%		
		61	0-255	Red 11 0 → 100%		
		62	0-255	Green 11 0 → 100%		
		63	0-255	Blue 11 0 → 100%		
		64	0-255	Lime 11 0 → 100%		
		65	0-255	Red 12 0 → 100%		
		66	0-255	Green 12 0 → 100%		
		67	0-255	Blue 12 0 → 100%		
		68	0-255	Lime 12 0 → 100%		

COLOR TEMPERATURE

Colors shown are an approximate representation. <https://www.luxalight.eu/en/cie-converter>

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

VIRTUAL COLORS (COLOR SWATCH)

VALUE	FILTER #	COLOR	VALUE	FILTER #	COLOR
1	7	Pale Yellow	31	126	Mauve
2	103	Straw	32	49	Medium Purple
3	151	Gold Tint	33	58	Lavender
4	100	Spring Yellow	34	199	Palace Blue
5	10	Medium Yellow	35	119	Dark Blue
6	101	Yellow	36	132	Medium Blue
7	104	Deep Amber	37	120	Deep Blue
8	15	Deep Straw	38	165	Daylight Blue
9	179	Loving Amber	39	161	Slate Blue
10	21	Gold Amber	40	118	Light Blue
11	105	Orange	41	68	Sky Blue
12	158	Deep Orange	42	143	Pale Navy Blue
13	22	Dark Amber	43	131	Marine Blue
14	778	Millennium Gold	44	115	Peacock Blue
15	135	Deep Golden Amber	45	172	Lagoon Blue
16	24	Scarlet	46	116	Medium Blue Green
17	106	Primary Red	47	90	Dark Yellow Green
18	26	Bright Red	48	139	Primary Green
19	27	Medium Red	49	122	Fern Green
20	19	Fire	50	89	Moss Green
21	157	Pink	51	124	Dark Green
22	36	Medium Pink	52	88	Lime Green
23	111	Dark Pink	53	138	Pale Green
24	128	Bright Pink	54	203	Quarter CT Blue
25	148	Bright Rose	55	202	Half CT Blue
26	332	Special Rose Pink	56	201	FULL CT Blue
27	793	Vanity Fair	57	200	Double CT Blue
28	113	Magenta	58	206	Quarter CT Orange
29	46	Dark Magenta	59	205	Half CT Orange
30	48	Rose Purple	60	204	FULL CT Orange

REMOTE DEVICE MANAGEMENT (RDM)

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

Remote Device Management (RDM) is a protocol that sits on top of the DMX512 data standard for lighting, allowing the DMX systems of the 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:

RDM Code	Device ID	Device Model ID	Personality ID
0x22A6	0-0xFFFF	0x0065	Standard (21) Extended (28) Pixels (68)

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:

[0x0011] Proxied Device Count	[0x0600] Pan Invert
[0x0200] Sensor Definition	[0x0601] Tilt Invert
[0x0201] Sensor Value	[0x0602] Pan Tilt Swap
[0x0080] Device Model Description	[0x0500] Display Invert
[0x0081] Manufacturer Label	[0x0501] Display Level
[0x0082] Device Label	[0x0603] Realtime Clock
[0x00E0] DMX Personality	[0x1010] Power State
[0x00E1] DMX Personality Description	[0x1031] Preset Playback
[0x0400] Device Hours	[0x0122] Default Slot Value
[0x0015] Comms Status	[0x00C2] Boot Software Version Label
[0x0031] Status ID Description	[0x00C1] Boot Software Version ID
[0x0032] Clear Status ID	[0x0070] Product Detail ID List
[0x0405] Device Power Cycles	[0x0030] Status Messages

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

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

MAINTENANCE

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

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware, and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments. **NEVER** remove the ground prong from the power cable.

Fixture Disassembly

The following points should be observed after performing any maintenance procedure that requires disassembly of the unit:

- After the unit has been reassembled, open the valve and allow the unit to run for approximately 2 hours in order to dry out any moisture that has been trapped inside the fixture. The process should continue until indicated humidity drops below 15% for the head and 30% for the base.
- Once this has been achieved, the light can be switched off, but the unit should remain connected to power so that the cooling fan can cool down the unit. Please note that allowing cool down time should **ALWAYS** be done after lamp operation.
- Some units may require partial disassembly in order to gain access to the valve. Please contact Elation service for information regarding the location and access procedure for the valve on your specific unit model.

ERROR CODES

Error Codes subject to change without notice	
ERROR CODES	DESCRIPTION
Pan	Movement is not located in the default position after the reset. These messages will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed, or magnet is missing) or there is a motor failure (defective motor or a defective motor IC drive on the main PCB). This error may also be displayed if the head/yoke was blocked during a reset function.
Tilt	
Zoom	Movement is not located in the default position after the reset. These messages will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed, or magnet is missing) or there is a motor failure (defective motor or a defective motor IC drive on the main PCB).
HeadFan1	These messages will appear if there is a temperature and/or fan malfunction.
HeadFan2	
LED Fan1	
LED Fan2	
LED Fan3	
LED Fan4	
BaseFan	
HeadTemp	
BaseTemp	

SOFTWARE UPDATES



ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION!
NOTE ALL MENU SETTINGS BEFORE UPDATING SOFTWARE!
FIXTURE SOFTWARE CAN NOT BE DOWNGRADED!
DOWNLOAD FIXTURE SOFTWARE TO PC ONLY! (NO MAC SUPPORT)
PLEASE CONTACT ELATION SERVICE FOR FURTHER INFORMATION.

C-LOADER II

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

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

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

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

323-582-3322 | support@elationlighting.com

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

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

SPECIFICATIONS

SOURCE

(12) 60W RGBL LED

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

14000 Total Lumen Fixture Output

CRI - 83.4

TLCI - 67

Zoom Range 5° - 40°

Beam Angle: 5° - 40°

Field Angle: 8.5° - 56.5°

EFFECTS

Motorized Zoom

Pixel Control

Variable 16-bit Dimming Curves

High Speed Electronic Shutter and Strobe

DMX Controllable LED Refresh Rate

Pan Angle: 360/540°

Tilt Angle: 360/270°

Continuous 360° Pan and Tilt Rotation

COLOR

RGBL Color Array

CMY Emulation

Variable CCT 2400K - 8500K

Virtual Gel Swatch Book

CONTROL / CONNECTIONS

3 DMX Channel Modes (21/28/68)

DMX, RDM, Art-NET, sACN Protocol Support

(5) Button Touch Control Panel

Full Color 180° Reversible LCD Menu Display

Hibernation Mode (Power Save)

IP65 Locking 5pin XLR Connector In/Out

IP65 Locking RJ45 Ethernet Connector In/Out

IP65 Locking Power Connector In

SIZE / WEIGHT

Length: 14.2 in (360 mm)

Width: 10.2 in (259 mm)

Height: 17.5 in (445 mm)

Weight: 36.4 lbs. (16.5 kg)

ELECTRICAL

AC 100-240V 50/60Hz

Max Power Consumption 730W

-4° to 113°F (-20°C to 45°C)

INCLUDED ITEMS

Omega Brackets (x2)

Safety Cable

IP65 Rated Locking Power Cable

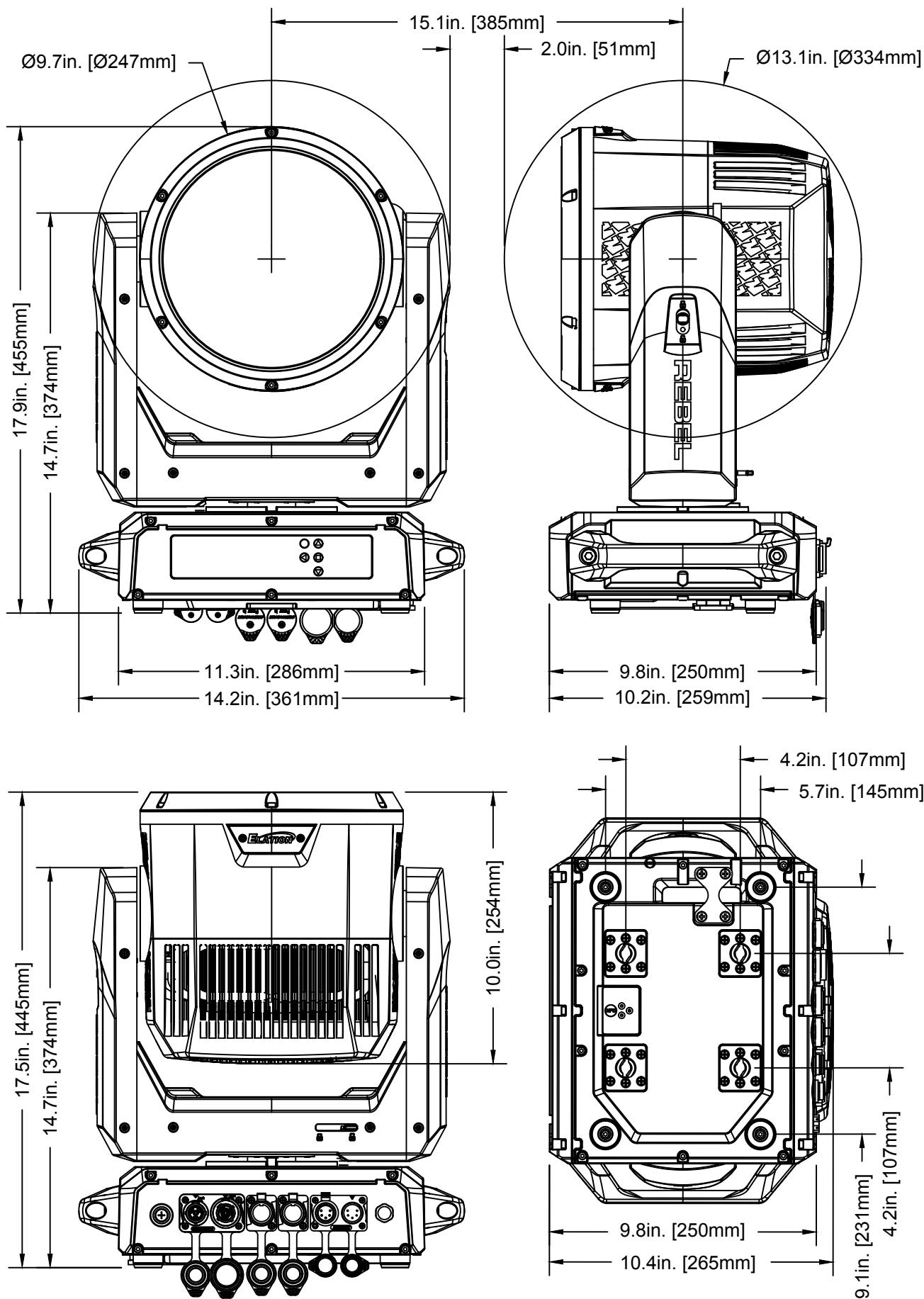
APPROVALS / RATINGS

CE | cETLus | FCC | UKCA | IP65



DIMENSIONS

*Drawings not to scale. Specifications and improvements in the design of this unit and this manual are subject to change without notice.



OPTIONAL ACCESSORIES

ORDER CODE	ITEM
TRIGGER CLAMP	Heavy Duty Wrap Around Hook Style Clamp
SIP126	5 ft. (1.5m) IP65 Twist Lock Power Link Cable
TOU027	5 ft. (1.5m) 5pin PRO DMX Cable
	Additional Cable Lengths Available

FCC STATEMENT

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

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

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

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

Energy Saving Matters (EuP 2009/125/EC)

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



