ELATION PROFESSIONAL

PALADIN BRICK™

User Manual

Elation Professional USA | 6122 S. Eastern Ave. **|** Los Angeles, CA. 90040
323-582-3322 **|** 323-832-9142 fax **|** www.elationlighting.com **|** info@elationlighting.com

Elation Professional B.V. | Junostraat 2 **|** 6468 EW Kerkrade, The Netherlands
+31 45 546 85 66 **|** +31 45 546 85 96 fax **|** www.elationlighting.eu **|** info@elationlighting.eu

Elation Professional Mexico | AV Santa Ana 30 | Parque Industrial Lerma, Lerma, Mexico 52000
+52 (728) 282-7070

D O C U M E N T V E R S I O N

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 Modes	Notes
08/18/19	1.0	1.0.1	RGB – 3/4/8/10/16/48/50/56 HSI – 4 / 10 / 26	Initial release.
08/19/19	1.1	N/C	NO CHANGE	Updated release.
08/04/20	1.2	N/C	NO CHANGE	Updated beam/field angle
08/24/20	1.3	N/C	NO CHANGE	Updated optional accessories, primary/secondary, box contents
12/27/23	1.4	1.07	NO CHANGE	Add RDM, added IP65 page, & updated specifications

C O N T E N T S

GENERAL INFORMATION

INTRODUCTION

Please read and understand all the safety and use instructions in this manual carefully and thoroughly before attempting to operate this device.

IP65 RATED

An IP rated lighting fixture is one, which is commonly installed in outdoor environments and has been designed with an enclosure that effectively protects the ingress (entry) of external foreign objects such as dust and water. 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 one, which has been designed and tested to protect against the ingress of dust **(6)** and low-pressure water jets from any direction **(5)**.

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 5pin DMX Cable
IP65 Rated RJ45 Cable (Fixture to Fixture Interconnect Use Only!)
IP65 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 | 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

REPLACEMENT PARTS please visit parts.elationlighting.com

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**).

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

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.

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

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

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

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

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

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

LIMITED WARRANTY (USA ONLY)

A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the Elation Professional factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional shall have no liability what-so-ever for loss and/or or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional factory unless prior written authorization was issued to purchaser by Elation Professional; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual.

D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect.

E. Elation Professional reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product.

G. This warranty is the only written warranty applicable to Elation Professional products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

WARRANTY RETURNS

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

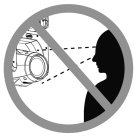
SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts (omega brackets) included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufactures 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 MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES 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!

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

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

S A F E T Y G U I D E L I N E S

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

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

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

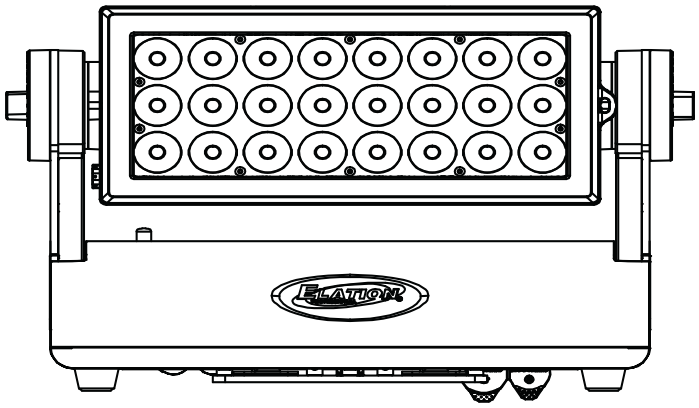
Consistent operational breaks will ensure fixture will function properly for many years.

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

FIXTURE OVERVIEW

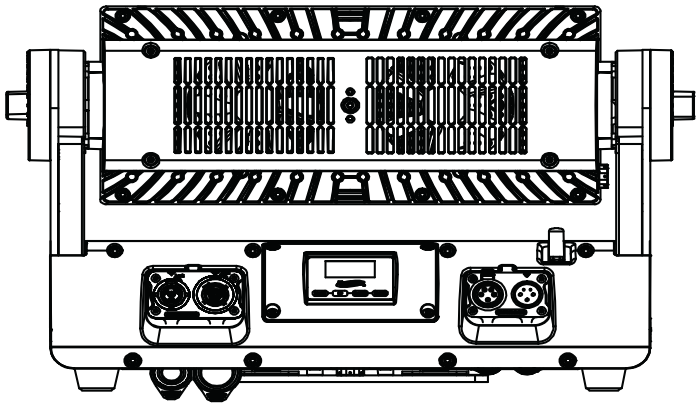
FRONT
LED Array
Removable Magnetic Frost Filter

SIDES
Manual Tilt Adjustment Knobs



BACK

OLED Control System Menu Display
Mode, Down, Up, Enter Buttons
IP65 Twist Lock Power In/Out
IP65 5pin DMX In/Out
E-FLY Wireless DMX Antenna



BOX CONTENTS

Magnetic Frost Filter
Frost Filter Safety Cable (USA Only)
Omega Bracket
IP65 Twist Lock Power Cable

FIXTURE INSTALLATION

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/SURFACESMUST BE 1.6 FOOT (0.5 METER)

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

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

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

Maximum ambient operating temperature is **113°F. (45°C)**

Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas were 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 serving.

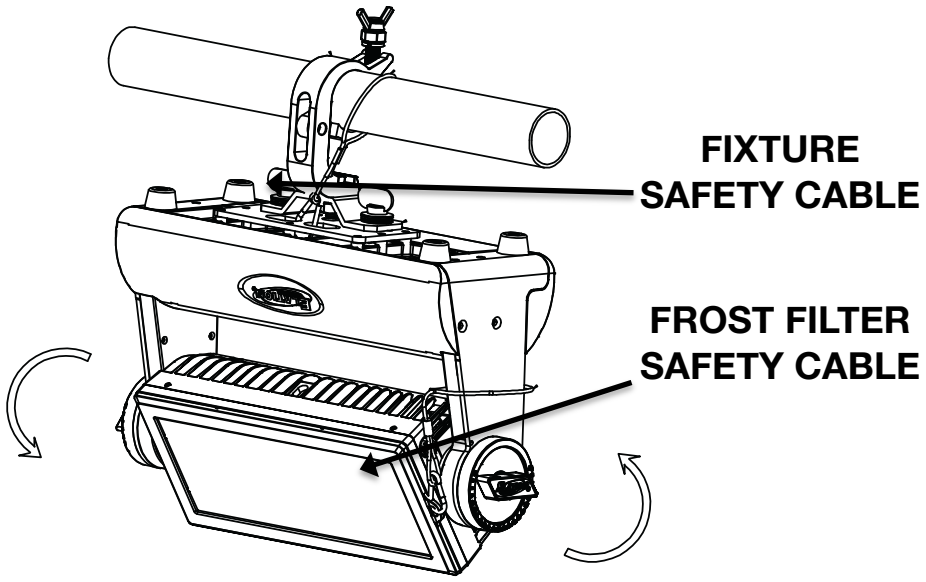
FIXTURE INSTALLATION

OMEGA BRACKET INSTALLATION

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

CLAMP INSTALLATION

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



TILT POSITION ADJUSTMENT

The fixture head tilt position can be manually adjusted by loosening the tilt adjustment knobs on both sides and positioning the head to a desired tilt position.

TIGHTEN/SECURE BOTH TILT ADJUSTMENT KNOBS TO PREVENT UNWANTED FIXTURE HEAD MOVEMENT.

FIXTURE INSTALLATION

RIGGING

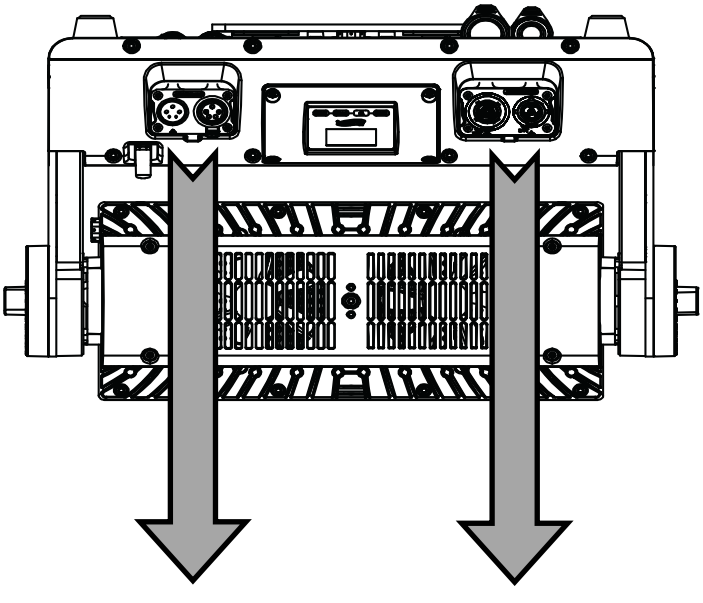
Overhead rigging requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper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

ALWAYS ATTACH AN APPROPRIATELY RATED SAFETY CABLE (NOT INCLUDED) THAT MEETS ALL LOCAL, NATIONAL, AND COUNTRY CODES AND REGULATIONS WHENEVER INSTALLING FIXTURE IN A SUSPENDED ENVIRONMENT!

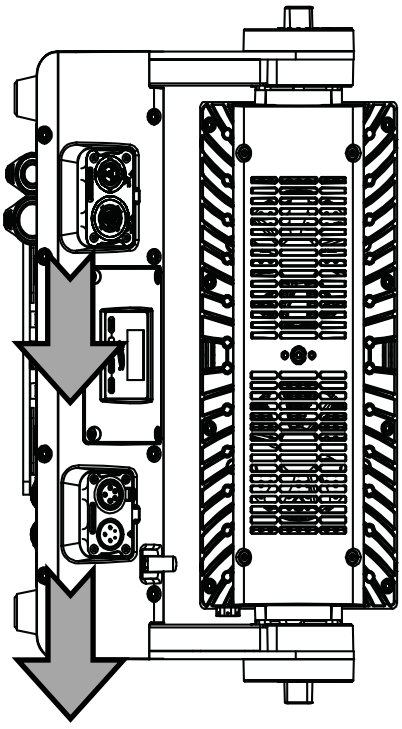
SAFETY CABLE ATTACHMENT POINT

POWER AND DATA CABLES

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



CABLES **CABLES**



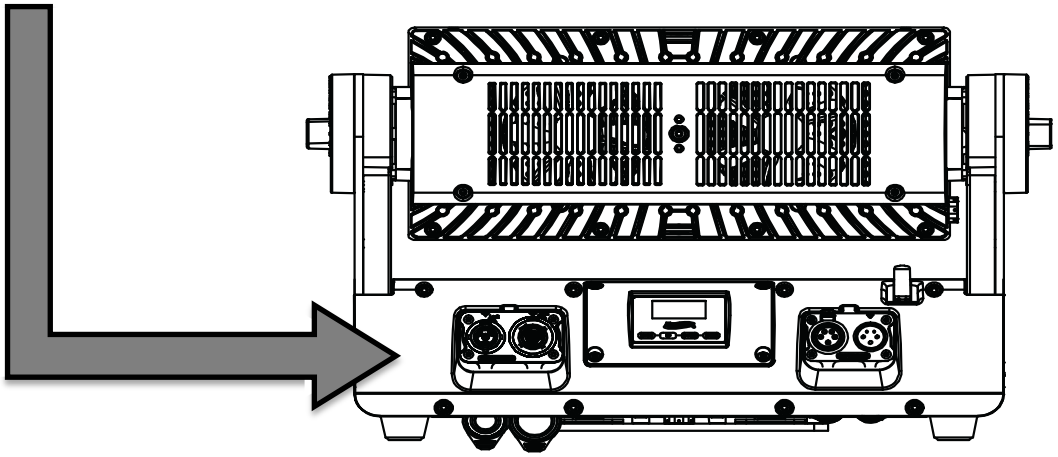
CABLES

FIXTURE INSTALLATION

POWER AND DATA CONNECTIONS

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

TO MAINTAIN IP65 RATING INTEGRITY AND PREVENT WATER FROM ENTERING THE FIXTURE, SEAL ALL UNUSED CONNECTION RUBBER CAPS.



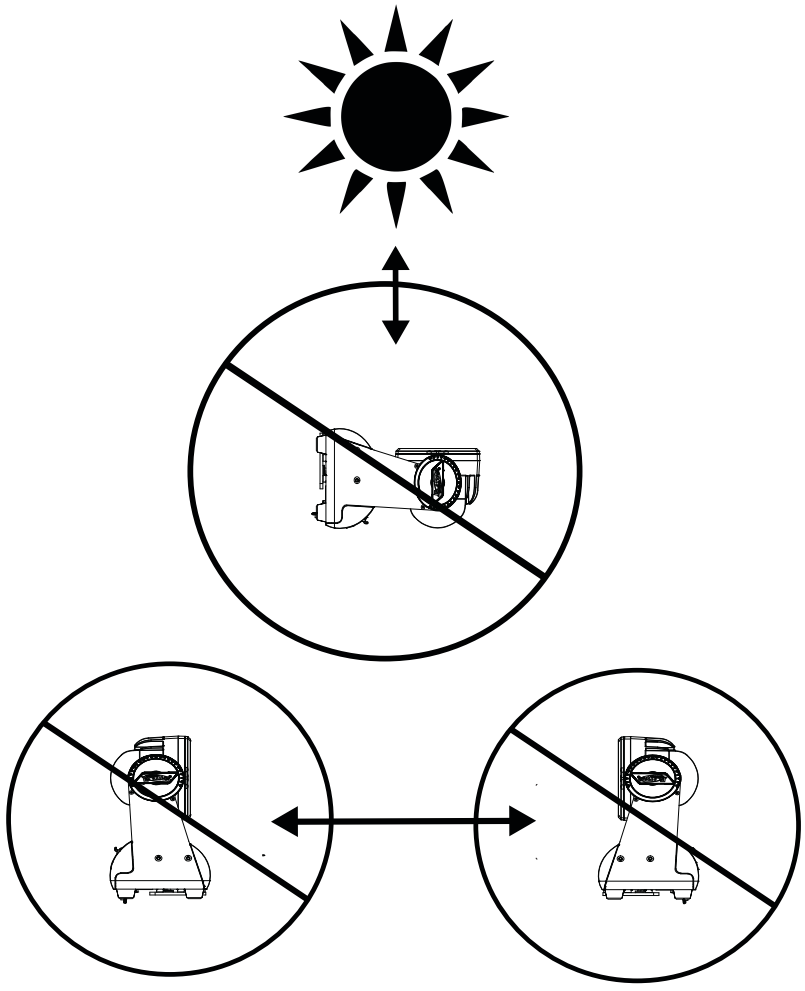
FIXTURE INSTALLATION

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, light pipes, 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.

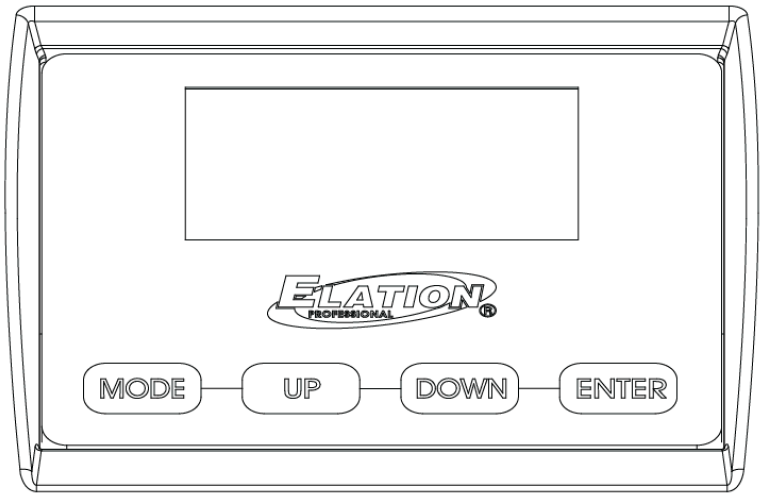
DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS WHILE UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



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 **MODE** button once will access the fixture's main menu. Once in the main menu you can navigate through the different functions and access the sub-menus 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 **MODE** button.

To unlock and access the system menus press and hold the **MODE** button for 5+ seconds.



DISPLAY KEY LOCK FUNCTIONS (ON / ON1)

When the Key Lock sub menu is set to **ON**, the LCD display will turn OFF and lock after 30 seconds and the display will show LOCKED*****.
Press and hold the **MODE** button for 5+ seconds to unlock and access the system menus.

When Key Lock sub menu is set to **ON1**, the LCD display will turn OFF and lock after 30 seconds the display will show **LOCK*****.**

Follow these steps to unlock and access the system menus:

1. Press MENU, the display shows: **LOCK*****
2. Press UP, then the display will change to: **LOCK****** (one * disappears)
3. Press DOWN, then the display will change to: **LOCK***** (two * disappear)
4. Press UP, then the display will change to: **LOCK**** (three * disappear)
5. Press DOWN, then the display will change to: **LOCK*** (4 * disappear)
6. Press ENTER, then the display will unlock, and system menus can now be accessed.

ELATION PALADIN BRICK™ - SYSTEM MENU				
Supports Software Versions: ≥ 1.01				
Features are subject to change without notice.				
MENU	**SUB MENU**	**OPTIONS / VALUES (Default Settings in BOLD)**		**DESCRIPTION**
Address	Set ADDR	**001** - 497		Set DMX Address
Mode		**Extended 16CH**		Set DMX Channel Mode
		Cells 48CH		
		MastCell 50CH		
		Ext-Cell 56CH		
		HSI 4CH		
		HSI-Ext 10CH		
		HSI Cell 26CH		
		RGB 3CH		
		8bit 4CH		
		16bit 8CH		
		16+ Dim 10CH		
Function	No DMX	**Hold** / Black / Program		Fixture State When NO DMX Signal
	LCD. Set	Display	**On** / Off	Enable Display Screensaver
		Key Lock	**On** / On1 / Off	Display Lock Functions
		Flash	**On** / Off	Display Flashes When NO DMX Signal
		Inverse	On / **Off**	Flip Display 180°
	Temp. C/F	C / **F**		Set Temperature Display C° or F°
	DimMode	0.0, **0.1** ~ 1.0 (increments of 0.1), 1.5, 2.0 ~ 10.0		Set Dimming Speed / Dim Mode
		Standard		
		Stage		
		TV		
		Architec		
		Theatre		
		Stage2		
	Disp. Set	ADDR	ADDR:xxx	Displays Fixture Current DMX Address
		Disp. CH	ALL, Strobe, Dimmer, DimFine, DimMode, Red1, Green1, Blue1, White1, Red2, Green2, Blue2, White2, Red3, Green3, Blue3, White3, Red4, Green4, Blue4, White4, Red5, Green5, Blue5, White5, Red6, Green5, Blue5, White5, Red6, Green6, Blue6, White6, None, Chase, Chase. Sp, Chase F, Macro, R1Fine, G1Fine, B1Fine, W1Fine, R2Fine, G2Fine, B2Fine, W2Fine, R3Fine, G3Fine, B3Fine, W3Fine, R4Fine, G4Fine, B4Fine, W4Fine, R5Fine, G5Fine, B5Fine, W5Fine, R6Fine, G6Fine, B6Fine, W6Fine	Displays Current DMX Values
	Fan	**Auto** / High / Low		Set Fan Speed
	Flip	**Standard** / Flip1		Set Pixel Flip
	DimCurve	**Linear**		Set Dimming Curve
		Square		
		InSquare		
		S-Curve		

ELATION PALADIN BRICK™ - SYSTEM MENU

Supports Software Versions: ≥ 1.01

MENU	SUB MENU	OPTIONS / VALUES (Default Settings in BOLD)			DESCRIPTION
Function	Frequen	900 HZ, 1000HZ, 1100HZ, **1200HZ**, 1300HZ, 1400HZ, 1500HZ, 2500HZ, 4000HZ, 5000HZ, 10kHZ, 15kHZ, 20kHZ, 25kHZ			Set LED Refresh Frequency Rate
	FLY_CH	**00** ~ 14			Set E-FLY Wireless Channel
	FLY_Swit	**On** / Off			Enable E-FLY Wireless
	Defaults	**Cancel** / Reset?			Reset Factory Default Settings
Program	Speed	**01** ~ 99			Set Speed of Color Change/Fade Programs
	Color	STATIC	STROBE 0 ~ **255**	STATIC **R**, G, B, RG, GB, RB, RGB, BLACK	Set Internal Programs
		CHANG15	STROBE 0 ~ **255**		
		CHANG30	STROBE 0 ~ **255**		
		FADE	STROBE 0 ~ **255**		
	Macros	**0** ~ 63			Select Internal Program Macros
	Secondry	SECONDRY / **OFF**			Set Fixture Secondary Mode
Info	TimeInfo	Current	XX (H)		Current Fixture Running Time (Hours)
		Total	XX (H)		Total Fixture Operating Time (Hours)
		Last	XX (H)		Fixture Running Time After Last Cleared (Hours)
		Password	Password=XXX (050 or 060)		Clear Password (050) or (060)
		Clear	On / **Off**		Clear Fixture Running Time
	TempInfo	LED Temp XXF°			Displays Fixture Temperature
	Err. Info	Errors			Displays Fixture Errors
	ModelInf	Paladin Panel			Displays Model Name
	Software	V1.01			Displays Software Version
Manual	Strobe	**000** ~ 255			Manual Control Settings
	Dimmer	**000** ~ 255			
	DimFine	**000** ~ 255			
	DimMode	**000** ~ 255			
	Red	**000** ~ 255			
	Green	**000** ~ 255			
	Blue	**000** ~ 255			
	White	**000** ~ 255			

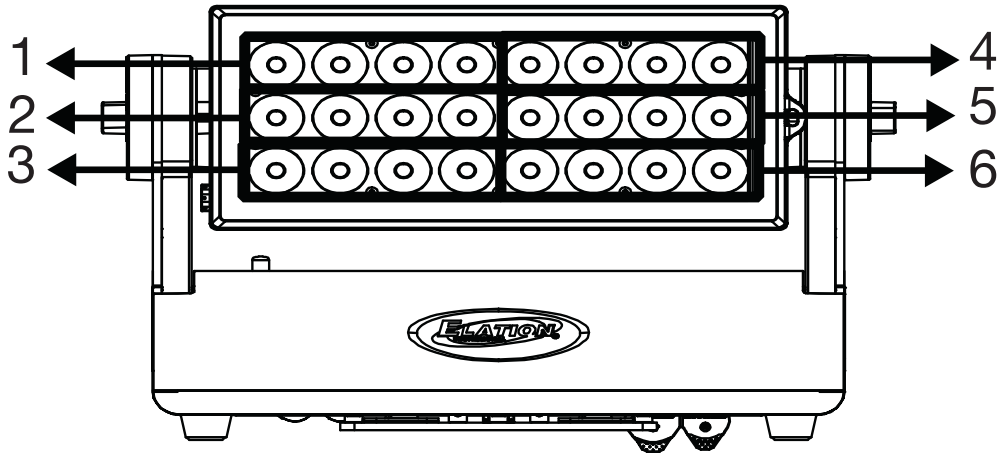
ELATION PALADIN BRICK™ - SYSTEM MENU			
Supports Software Versions: ≥ 1.01			
MENU	**SUB MENU**	**OPTIONS / VALUES (Default Settings in BOLD)**	**DESCRIPTION**
Calibrat	Password	Password=XXX (050)	Channel Data Calibration Password
	Red1	050 ~ **255**	Set Calibration Values
	Green1	050 ~ **255**	
	Blue1	050 ~ **255**	
	White1	050 ~ **255**	
	Red2	050 ~ **255**	
	Green2	050 ~ **255**	
	Blue2	050 ~ **255**	
	White2	050 ~ **255**	
	Red3	050 ~ **255**	
	Green3	050 ~ **255**	
	Blue3	050 ~ **255**	
	White3	050 ~ **255**	
	Red4	050 ~ **255**	
	Green4	050 ~ **255**	
	Blue4	050 ~ **255**	
	Blue4	050 ~ **255**	
	White4	050 ~ **255**	
	Red5	050 ~ **255**	
	Green5	050 ~ **255**	
	Blue5	050 ~ **255**	
	White5	050 ~ **255**	
	Red6	050 ~ **255**	
	Green6	050 ~ **255**	
	Blue6	050 ~ **255**	
	White6	050 ~ **255**	

PIXEL ZONE CONTROL

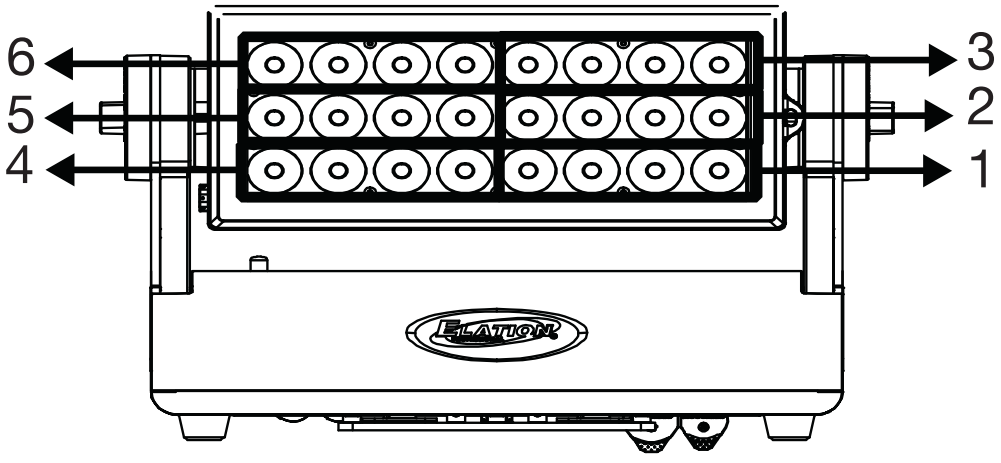
This fixture includes 6-pixel zones, each zone containing 4 LED pixels which can be controlled when specific DMX channel modes are selected. The system menu includes a FLIP setting which flips the pixel zones to support unique fixture mounting scenarios.

NOTE: Pixel zones control varies depending on the DMX Channel and FLIP modes selected and/or the fixture head tilt position. (see diagrams below)

STANDARD



FLIP1



E-FLY WIRELESS DMX SET UP

BEFORE SETTING THE WIRELESS CHANNEL ON ANY E-FLY FIXTURE, MAKE SURE THE CONTROLLING E-FLY WIRELESS DMX TRANSCEIVER DEVICE IS OFF.

TO CONTROL FIXTURE WITH E-FLY WIRELESS DMX SIGNAL

1. Ensure the controlling **E-FLY** wireless DMX Transceiver device is powered **OFF** and the fixture is powered **OFF** and NO DMX cable is connected to the fixture.

2. Power **ON** fixture and from the OLED control panel navigate to the sub menu **FLY_CH** in the **FUNCTION** main system menu, then set the desired **E-FLY** wireless channel **(00-14)** to the same channel of the controlling **E-FLY** DMX Transceiver device.

3. Navigate to sub menu **FLY_Swit** in the **FUNCTION** main system menu and select **ON**.

NOTE: Erratic fixture movement may occur if other E-FLY wireless DMX products are in use in the same area and are using the same E-FLY wireless channel. The fixture may immediately start to respond to the DMX wireless signal from another E-FLY wireless DMX Transceiver immediately when E-FLY is enabled. Make sure to know what E-FLY wireless channels are being used in the area where the fixture is being installed.

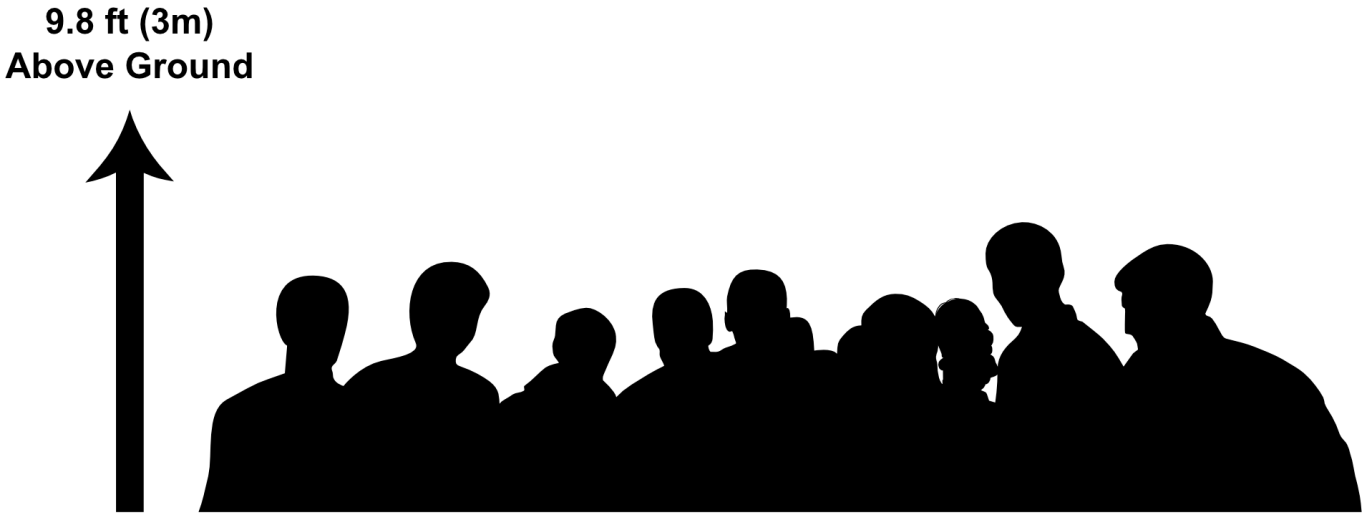
4. Repeat this process for all **E-FLY** compatible fixtures in the **E-FLY** wireless network, making sure all fixtures are assigned the same **E-FLY** wireless channel.

5. After all fixtures in the **E-FLY** wireless network have been set to the same **E-FLY** wireless channel and powered **ON**, now power **ON** the controlling **E-FLY** DMX Transceiver device.

6. Test all fixtures connected to the **E-FLY** wireless network to confirm proper functionality.

WIRELESS E-FLY INSTALLATION LOCATION GUIDELINES

Wireless DMX signal can penetrate walls, glass, metal, and most objects. However, there are many factors that can affect and/or interrupt the wireless DMX signal, one of which is people. Therefore, it is highly recommended to position the wireless antenna a minimum of 9.8 ft. (3m) above audiences and/or above ground level. Careful planning and testing of the selected installation location is critical to ensure optimum and reliable wireless DMX operation.



DMX CHANNEL FUNCTIONS AND VALUES

ELATION PALADIN BRICK™

RGB MODES - DMX Channel Values / Functions (56 Total DMX Channels)

Supports Software Versions: ≥ 1.0.1

Features subject to change without notice.
*Pixel Zone Control depends on DMX Mode, Flip setting, and fixture head tilt position.

RGB 3CH	8bit 4CH	16bit 8CH	16bit Dim 10CH	Extended 16CH	Cells 48CH	Master Cells 50CH	Ext-Cells 56CH	Value	Function	Default	Snap
									Strobe		
								0-31	Closed		
								32-63	Open		
								64-95	Strobe (slow → fast)		
				1			1	96-127	Open	50	X
								129-159	Pulse (slow → fast)		
								160-191	Open		
								192-223	Random (slow → fast)		
								224-255	Open		
			1	2		1	2		**Master Intensity**	0	
								0-255	Close → Open		
			2	3		2	3		**Master Intensity Fine**	0	
								0-255	Close → Open		

RGB 3CH	8bit 4CH	16bit 8CH	16bit Dim 10CH	Extended 16CH	Cells 48CH	Master Cells 50CH	Ext-Cells 56CH	Value	Function	Default	Snap
				4			4		**Dim Modes**	0	X
								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 (default)**		
								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		
								142-255	Default		

RGB 3CH	8bit 4CH	16bit 8CH	16bit Dim 10CH	Extended 16CH	Cells 48CH	Master Cells 50CH	Ext-Cells 56CH	Value	Function	Default	Snap
									Control		
								0-19	Idle		
								20-24	Program 1		
								25-29	Program 2		
								30-34	Program 3		
								35-39	Program 4		
								40-44	Program 5		
								45-49	Program 6		
								50-54	Program 7		
								55-59	Program 8		
								60-64	Program 9		
								65-69	Program 10		
								70-74	Program 11		
								75-79	Program 12		
								80-100	Idle		
									Change Refresh Rate (Hz) (Hold 1s)		
								101-105	900		
								106-110	1000		
				5			5	111-115	1100	0	X
								116-120	1200 (default)		
								121-125	1300		
								126-130	1400		
								131-135	1500		
								136-140	2500		
								141-145	4000		
								146-150	5000		
								151-155	10000		
								156-160	15000		
								161-165	20000		
								166-170	25000		
								171-200	Idle		
									Dimmer Curves (Hold 3s)		
								201-210	Linear (default)		
								211-220	Square		
								221-230	Inverse Square		
								231-240	S-Curve		
								241-255	Idle		

RGB 3CH	8bit 4CH	16bit 8CH	16bit Dim 10CH	Extended 16CH	Cells 48CH	Master Cells 50CH	Ext-Cells 56CH	Value	Function	Default	Snap
				6			6		**Program Speed**	128	
								0 - 255	Speed (slow → fast)		
				7			7		**Program Fade**	128	
								0 - 255	Fade (slow → fast)		
				8			8		**Color Macros**	0	X
								0 - 255	Macro (1→ 64)		
1	1	1	3	9					**Red**		
								0 - 255	0 → 100%		
		2	4	10					**Red Fine**		
								0 - 255	0 → 100%		
2	2	3	5	11					**Green**		
								0 - 255	0 → 100%		
		4	6	12					**Green Fine**		
								0 - 255	0 → 100%		
3	3	5	7	13					**Blue**		
								0 - 255	0 → 100%		
		6	8	14					**Blue Fine**		
								0 - 255	0 → 100%		
	4	7	9	15					**White**		
								0 - 255	0 → 100%		
		8	10	16					**White Fine**		
								0 - 255	0 → 100%		

RGB 3CH	8bit 4CH	16bit 8CH	16bit Dim 10CH	Extended 16CH	Cells 48CH	Master Cells 50CH	Ext-Cells 56CH	Value	Function	Default	Snap
					1	3	9		**Red1**		
								0 - 255	0 → 100%		
					2	4	10		**Red1 Fine**		
								0 - 255	0 → 100%		
					3	5	11		**Green1**		
								0 - 255	0 → 100%		
					4	6	12		**Green1 Fine**		
								0 - 255	0 → 100%		
					5	7	13		**Blue1**		
								0 - 255	0 → 100%		
					6	8	14		**Blue1 Fine**		
								0 - 255	0 → 100%		
					7	9	15		**White1**		
								0 - 255	0 → 100%		
					8	10	16		**White1 Fine**		
								0 - 255	0 → 100%		
					9	11	17		**Red2**		
								0 - 255	0 → 100%		
					10	12	18		**Red2 Fine**		
								0 - 255	0 → 100%		
					11	13	19		**Green2**		
								0 - 255	0 → 100%		
					12	14	20		**Green2 Fine**		
								0 - 255	0 → 100%		
					13	15	21		**Blue2**		
								0 - 255	0 → 100%		
					14	16	22		**Blue2 Fine**		
								0 - 255	0 → 100%		
					15	17	23		**White2**		
								0 - 255	0 → 100%		
					16	18	24		**White2 Fine**		
								0 - 255	0 → 100%		
					17	19	25		**Red3**		
								0 - 255	0 → 100%		
					18	20	26		**Red3 Fine**		
								0 - 255	0 → 100%		
					19	21	27		**Green3**		
								0 - 255	0 → 100%		
					20	22	28		**Green3 Fine**		
								0 - 255	0 → 100%		
					21	23	29		**Blue3**		
								0 - 255	0 → 100%		
					22	24	30		**Blue3 Fine**		
								0 - 255	0 → 100%		
					23	25	31		**White3**		
								0 - 255	0 → 100%		
					24	26	32		**White3 Fine**		
								0 - 255	0 → 100%		

RGB 3CH	8bit 4CH	16bit 8CH	16bit Dim 10CH	Extended 16CH	Cells 48CH	Master Cells 50CH	Ext-Cells 56CH	Value	Function	Default	Snap
					25	27	33		**Red4**		
								0 - 255	0 → 100%		
					26	28	34		**Red4 Fine**		
								0 - 255	0 → 100%		
					27	29	35		**Green4**		
								0 - 255	0 → 100%		
					28	30	36		**Green4 Fine**		
								0 - 255	0 → 100%		
					29	31	37		**Blue4**		
								0 - 255	0 → 100%		
					30	32	38		**Blue4 Fine**		
								0 - 255	0 → 100%		
					31	33	39		**White4**		
								0 - 255	0 → 100%		
					32	34	40		**White4 Fine**		
								0 - 255	0 → 100%		
					33	35	41		**Red5**		
								0 - 255	0 → 100%		
					34	36	42		**Red5 Fine**		
								0 - 255	0 → 100%		
					35	37	43		**Green5**		
								0 - 255	0 → 100%		
					36	38	44		**Green5 Fine**		
								0 - 255	0 → 100%		
					37	39	45		**Blue5**		
								0 - 255	0 → 100%		
					38	40	46		**Blue5 Fine**		
								0 - 255	0 → 100%		
					39	41	47		**White5**		
								0 - 255	0 → 100%		
					40	42	48		**White5 Fine**		
								0 - 255	0 → 100%		
					41	43	49		**Red6**		
								0 - 255	0 → 100%		
					42	44	50		**Red6 Fine**		
								0 - 255	0 → 100%		
					43	45	51		**Green6**		
								0 - 255	0 → 100%		
					44	46	52		**Green6 Fine**		
								0 - 255	0 → 100%		
					45	47	53		**Blue6**		
								0 - 255	0 → 100%		
					46	48	54		**Blue6 Fine**		
								0 - 255	0 → 100%		
					47	49	55		**White6**		
								0 - 255	0 → 100%		
					48	50	56		**White6 Fine**		
								0 - 255	0 → 100%		

ELATION PALADIN BRICK™

HSI MODES - DMX Channel Values / Functions (26 Total DMX Channels)

Supports Software Versions: ≥ 1.0.1

Features subject to change without notice.
*Pixel Zone Control depends on DMX Mode, Flip setting, and fixture head tilt position.

HSI 4CH	HSI-Ext 10CH	HSI Cell 26CH	Value	Function	Default	Snap
	1	1		**Strobe**	50	X
			0 - 31	Closed		
			32 - 63	Open		
			64 - 95	Strobe (slow → fast)		
			96 - 127	Open		
			129-159	Pulse (slow → fast)		
			160 - 191	Open		
			192 - 223	Random (slow → fast)		
			224 - 255	Open		
1	2	2		**Master Intensity**	0	
			0 - 255	Close → Open		
2	3	3		**Master Intensity Fine**	0	
			0 - 255	Close → Open		

HSI 4CH	HSI-Ext 10CH	HSI Cell 26CH	Value	Function	Default	Snap
	4	4		**Dim Modes**	0	X
			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(default)		
			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		
			142 - 255	Default		

HSI 4CH	HSI-Ext 10CH	HSI Cell 26CH	Value	Function	Default	Snap
				Control		
			0 -19	Idle		
			20-24	Program 1		
			25-29	Program 2		
			30-34	Program 3		
			35-39	Program 4		
			40-44	Program 5		
			45-49	Program 6		
			50-54	Program 7		
			55-59	Program 8		
			60-64	Program 9		
			65-69	Program 10		
			70-74	Program 11		
			75-79	Program 12		
			80-100	Idle		
				Change Refresh Rate (Hz) (Hold 1s)		
			101 - 105	900		
			106 - 110	1000		
	5	5	111 - 115	1100	0	X
			116 - 120	1200 (default)		
			121 - 125	1300		
			126 - 130	1400		
			131 - 135	1500		
			136 - 140	2500		
			141 - 145	4000		
			146 - 150	5000		
			151 - 155	10000		
			156 - 160	15000		
			161 - 165	20000		
			166 - 170	25000		
			171-200	Idle		
				Dimmer Curves (Hold 3s)		
			201-210	Linear (default)		
			211-220	Square		
			221-230	Inverse Square		
			231-240	S-Curve		
			241-255	Idle		

HSI 4CH	HSI-Ext 10CH	HSI Cell 26CH	Value	Function	Default	Snap
	6	6		**Program Speed**	128	
			0 - 255	Speed (slow → fast)		
	7	7		**Program Fade**	128	
			0 - 255	Fade (slow → fast)		
	8	8		**Color Macros**	0	X
			0 - 255	Macro (1→ 64)		
3	9	9		**Hue**	0	
			0 - 255	0 → 100%		
4	10	10		**Saturation**	255	
			0 - 255	0 → 100%		
		11		**Intensity**	255	
			0 - 255	0 → 100%		
		12		**Hue 2**	0	
			0 - 255	0 → 100%		
		13		**Saturation 2**	255	
			0 - 255	0 → 100%		
		14		**Intensity 2**	255	
			0 - 255	0 → 100%		
		15		**Hue 3**	0	
			0 - 255	0 → 100%		
		16		**Saturation 3**	255	
			0 - 255	0 → 100%		
		17		**Intensity 3**	255	
			0 - 255	0 → 100%		
		18		**Hue 4**	0	
			0 - 255	0 → 100%		
		19		**Saturation 4**	255	
			0 - 255	0 → 100%		
		20		**Intensity 4**	255	
			0 - 255	0 → 100%		

HSI 4CH	HSI-Ext 10CH	HSI Cell 26CH	Value	Function	Default	Snap
		21		**Hue 5**	0	
			0 - 255	0 → 100%		
		22		**Saturation 5**	255	
			0 - 255	0 → 100%		
		23		**Intensity 5**	255	
			0 - 255	0 → 100%		
		24		**Hue 6**	0	
			0 - 255	0 → 100%		
		25		**Saturation 6**	255	
			0 - 255	0 → 100%		
		26		**Intensity 6**	255	
			0 - 255	0 → 100%		

REMOTE DEVICE MANAGEMENT (RDM)

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

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

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

FIXTURE RDM INFORMATION:

RDM Code	DEVICE ID	Device Model ID Hexadecimal	Personality ID
0x22A6	0000-FFFF	2165	001RGB 03CH 002 8bit 04H 003 16bit 08CH 004 16+Dim 10CH 005 Extended 16CH 006 Cell 48CH 007 Mast Cell 50CH 008 Ext-Call 56CH 009 HIS 04CH 010 HIS Mast 10CH 011 HIS Cell 56CH

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 the features that you require.

The following parameters are accessible in RDM on this device:

[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	[0x00B0] Language
[0x0031] Status ID Description	[0x00A0] Language Capabilities
[0x0032] Clear Status ID	[0x00C2] Boot Software Version Label
[0x0401] Lamp Hours	[0x00C1] Boot Software Version ID
[0x0402] Lamp Strikes	[0x0070] Product Detail ID List
[0x0403] Lamp State	[0x0030] Status Messages
[0x0404] Lamp Mode	[0x1001] Reset Device
[0x0405] Device Power Cycles	[0x0016] Undefined PID [0x0016, (22)]

MAINTENANCE GUIDELINES

DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.
NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

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

S P E C I F I C A T I O N S

SOURCE
24x 15W RGBW LED Emitters
50,000 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
6,000K Color Temperature
8,200 Total Lumen Output
14.1° Beam 25.4° Field Angle (without diffuser)
25.3° Beam 50° Field Angle (with diffuser)

CONTROL / CONNECTIONS
11 DMX Channel Modes (56 Total Channels)
3x2 Cell Control
Manual Tilt Adjustment
DMX, RDM Protocol Support
Standalone and Primary/Secondary Operation
4 Button OLED Control Display
Elation's E-FLY™ Internal Wireless DMX Transceiver
IP65 5pin DMX In/Out
IP65 Power In/Out
With Wired Digital Communication Network

SIZE / WEIGHT
Length: 17.2" (438mm)
Width: 5.8" (147mm)
Height: 11.3" (286mm)
Weight 21 lbs (9.5kg)

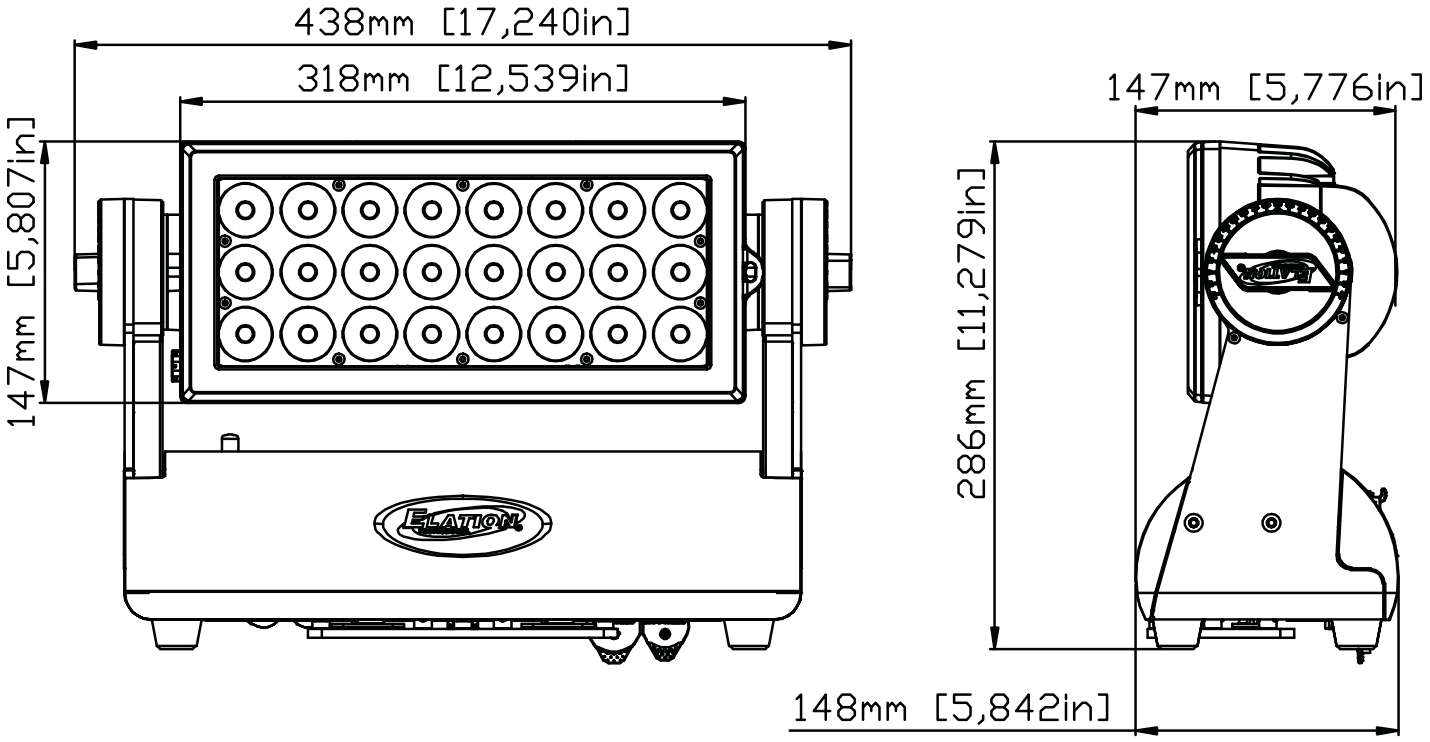
ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
390W Max Power Consumption
5°F to 113°F (-15°C to 45°C)

APPROVALS / RATINGS
CE | cETLus | IP65

c ETL us
Intertek
4010765

Specifications and improvements in the design of this unit and this manual are subject to change without notice.

DIMENSIONAL DRAWINGS



Specifications and improvements in the design of this unit and this manual are subject to change without notice.

O P T I O N A L A C C E S S O R I E S

ORDER CODE	ITEM
IP TESTER	IP Fixture Vacuum and Pressure Leak Tester
TRIGGER CLAMP	Heavy Duty Wrap Around Hook Style Clamp
SIP126	5 ft. (1.5m) IP65 Power Link Cable
STR527	5 ft. (1.5m) IP65 5pin XLR Cable
PALADIN BRICK BARNDOOR	Barndoor
PALADIN BRICK SHADER	Shader
PALADIN BRICK FILTER 20°	20° Filter
PALADIN BRICK FILTER 60°	60° Filter
PALADIN BRICK FILTER 100°	100° Filter
PALADIN BRICK FILTER 40X1°	40X1° Filter
PALADIN BRICK FILTER 60X10°	60X10° Filter
PALADIN BRICK FILTER 1X40°	1X40° Filter
PALADIN BRICK FILTER 10X60°	10X60° Filter
	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.
- Consult the dealer or an experienced radio/TV technician for help.

Europe Energy Saving Notice
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