

ZCL BAR Z300 IP™

user manual

ELATION | ZCL BAR Z300 IP™ | user manual

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DOCUMENT VERSION



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

Date	Document Version	Software Version ≥	DMX Channel Modes	Notes
11/22/16	1	1U 101 1U 101	5/6/7/9/12/21/28	Initial release.
04/06/17	1.2	N/C	NO CHANGE	Updated Strobe DMX Values. (See highlighted values)
01/10/18	1.4	N/C	NO CHANGE	Updated version.
09/10/20	1.6	1.03	NO CHANGE	Updated primary/secondary
03/16/21	1.8	N/C	5/6/7/9/13/21/28	Corrected DMX Channel Mode to 5/6/7/9/13/21/28

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GENERAL INFORMATION

INTRODUCTION

This fixture has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. These instructions contain important information regarding safety during use and maintenance.

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)**.



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.

UNPACKING

Every fixture 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 appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit 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 unit to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

- (1) Glare Shield
- (2) Frost Filters
- (1) Power Cable
- (2) Omega Brackets

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
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REPLACEMENT PARTS please visit parts.elationlighting.com



I M P O R T A N T N O T I C E !

THIS FIXTURE CAN ONLY BE SERVICED BY AN AUTHORIZED ELATION TRAINED PROTEUS BEAM SERVICE TECHNICIAN. THERE ARE NO END USER SERVICEABLE PARTS, DO NOT ATTEMPT ANY REPAIRS WITHOUT BEING AUTHORIZED; DOING SO WILL VOID THE MANUFACTURER WARRANTY. DAMAGES OR ANY REPAIRS RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR DISREGARD OF THE SAFETY INSTRUCTIONS AND OPERATION GUIDELINES IN THIS USER MANUAL VOIDS THE MANUFACTURER WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.

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 whatsoever 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

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 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!**



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.



IF THE FIXTURE IS EXPOSED TO ENVIRONMENTAL TEMPERATURE CHANGES SUCH AS RELOCATION FROM AN OUTDOOR COLD TO AN INDOOR WARM ENVIRONMENT, DO NOT POWER THE FIXTURE ON IMMEDIATELY. INTERNAL CONDENSATION AS A RESULT OF ENVIRONMENTAL TEMPERATURE CHANGE CAN CAUSE INTERNAL FIXTURE DAMAGE. LEAVE THE FIXTURE POWERED OFF UNTIL IT HAS REACHED ROOM TEMPERATURE BEFORE POWERING ON.



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

SAFETY GUIDELINES

DO NOT TOUCH the fixture housing during operation. Turn OFF the power and allow approximately 60 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 has become 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, these must remain clean and never blocked.

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

When installing fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, and always attach an appropriately rated safety cable.

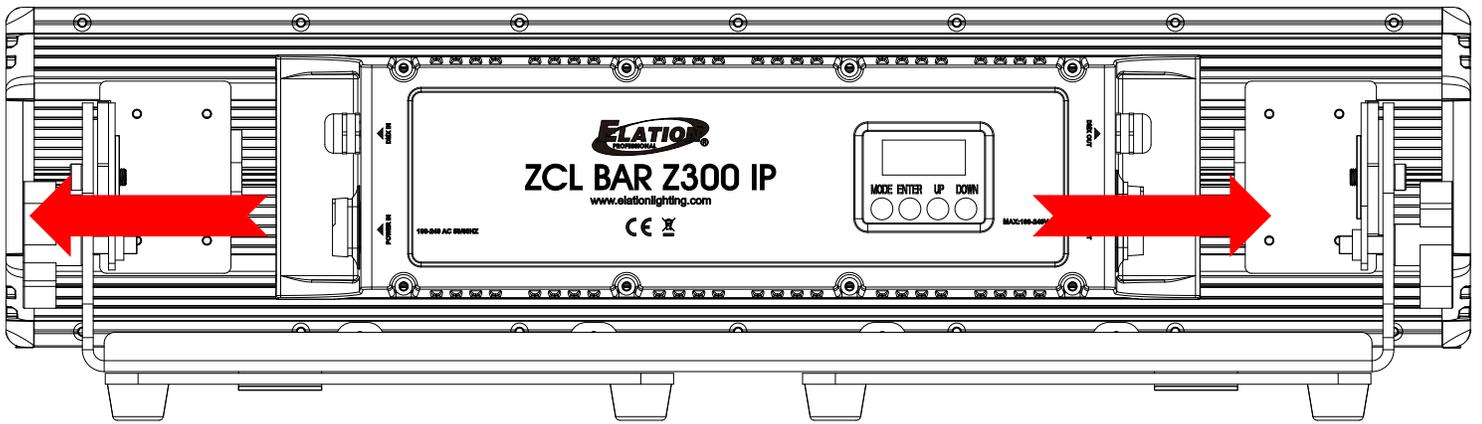
ALWAYS disconnect fixture from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

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



SAFETY CABLE RIGGING POINTS

INSTALLATION



FLAMMABLE WARNING

Keep fixture at least 5.0 ft (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.



ELECTRICAL CONNECTIONS

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



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

DO NOT 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 fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that meets all local, national, and country codes and regulations.

Fixture ambient operating temperature range is **5° to 113°F. (-15° to 45°C)**

Do not use this fixture outside this temperature range.

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.

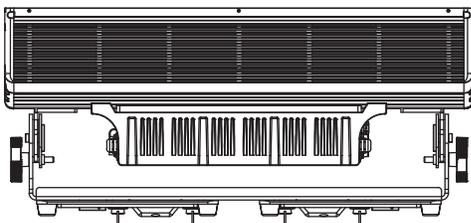
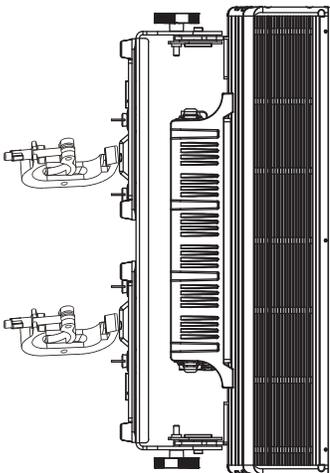
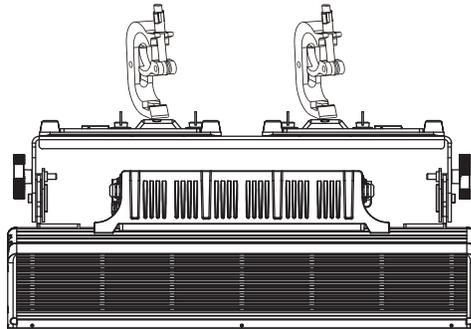
Allow approximately 15 minutes for the fixture to cool down before serving.

CLAMP INSTALLATION

The fixture provides an integrated adjustable yoke with rotating floor stands. When mounting this fixture to truss, **(2) Omega Brackets (optional not included)** are required. Be sure to secure appropriately rated clamps to the **Omega Brackets**. Be sure to attach an appropriate **Safety Cable** to the fixture using the safety cable rigging points integrated in the fixture.

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. Fixture is fully operational in the specific mounting positions illustrated below.



S A F E T Y C A B L E

**ALWAYS USE A SAFETY CABLE WHENEVER
INSTALLING THIS FIXTURE IN A
SUSPENDED ENVIRONMENT TO ENSURE
THE FIXTURE WILL NOT DROP IF THE
CLAMPS FAILS.**

POWER LINKING

Max number of **ZCL BAR Z300 IP™** units power linked together:

2 units @120V | 5 units @240V



USE CAUTION WHEN POWER LINKING OTHER FIXTURES TO ZCL BAR Z300 IP AS THE POWER CONSUMPTION OF OTHER LIGHTING FIXTURES WILL VARY!

SYSTEM MENU

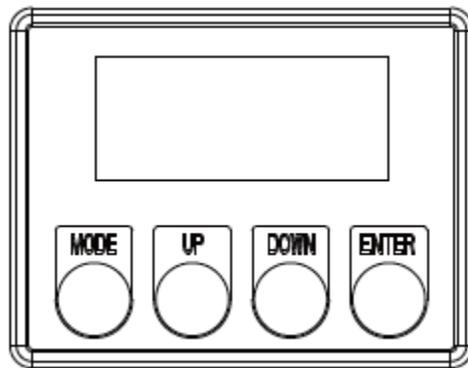
The fixture includes an easy to navigate system menu control panel display where all necessary setting adjustments are made. (See image below) During normal operation, pressing the **MODE** button once will access the main menu. Once in the main menu you can navigate through the different functions and access 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/ESC** button.

LCD CONTROL PANEL LOCKOUT FEATURE

When the **Key Lock** menu (**Function | LCD. Set | Key Lock**) is set to **ON** (default setting), the LCD control panel display will turn OFF and become LOCKED after non-use. To UNLOCK, press the **MODE** button.

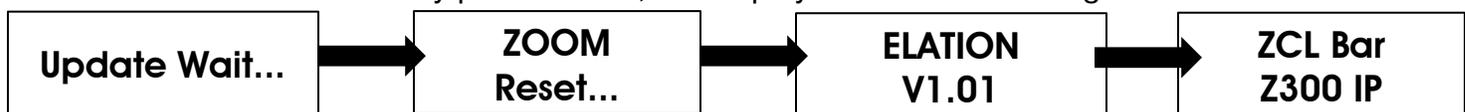
When the **Key Lock** menu is set to **ON1** mode, follow these steps to UNLOCK the LCD display:

1. When locked, the display will show: **LOCKED*******
2. Press **UP**, then the display will change to: **LOCKED****** (one * disappears)
3. Press **DOWN**, then the display will change to: **LOCKED***** (two * disappear)
4. Press **UP**, then the display will change to: **LOCKED**** (three * disappear)
5. Press **DOWN**, then the display will change to: **LOCKED*** (4 * disappear)
6. Press **ENTER**, then the display will change to **LOCKED** and then become unlocked.



INFORMATION DISPLAYED DURING INITIAL POWER ON

When the fixture is initially powered ON, the display shows the following information:



ELATION© ZCL BAR Z300 IP™ | S Y S T E M M E N U

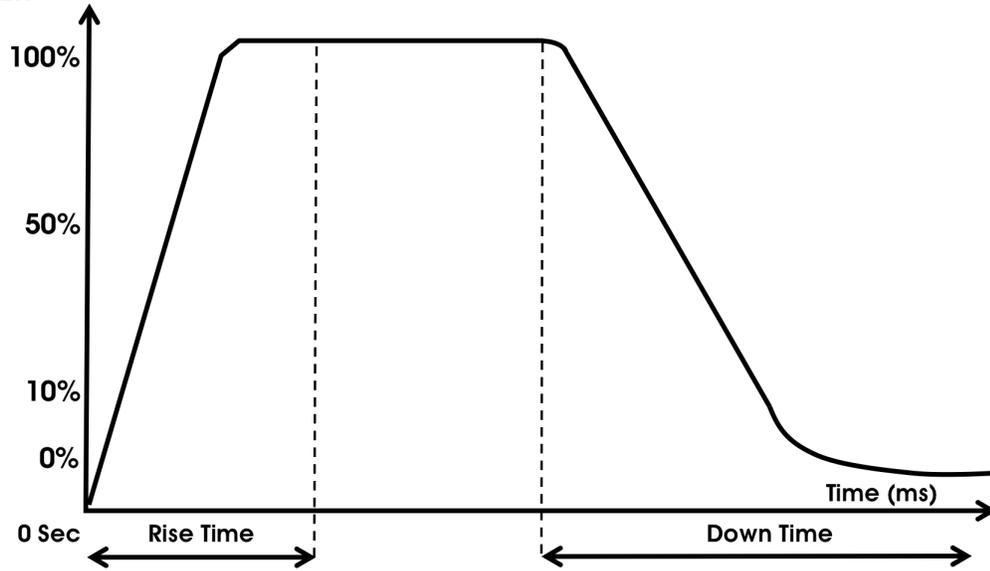
Features are subject to change without any prior written notice.

MAIN MENU	SUB MENU	OPTIONS / VALUES (Default Settings in BOLD)		DESCRIPTION
Set ADDR	Set ADDR	001 ~ 508		DMX Address Setting
UserMode		CH:05 , 06, 07, 09, 13, 21, 28		Set DMX Channel / User Mode
Function	DimCurve	Standard , Stage, TV, Architectur, Theatre		Set Dimmer Curve Mode
	No DMX	Hold / Blackout / Program		Function If NO DMX Detected
	ZOOM	000 - 255		Zoom Control for Auto Run Programs
	AUTO RUN	FQN: 00-99		Set Number of Times Internal Program Repeats
	01.STATC	CL: R , G, B, RG, GB, RB, RGB, BLAC		Internal Program #1
		F: 00-99		Select COLOR and Adjust FLASH
	02.DREAM	SP: 01-99 F: 00-99	Internal Prog#2 Adjust SPEED and FLASH	
	03.METOR	SP: 01-99 F: 00-99	Internal Prog#3 Adjust SPEED and FLASH	
	04.FADE	SP: 01-99 F: 00-99	Internal Prog#4 Adjust SPEED and FLASH	
	05.CHANG	SP: 01-99 F: 00-99	Internal Prog#5 Adjust SPEED and FLASH	
	06.FLOW1	SP: 01-99 F: 00-99	Internal Prog#6 Adjust SPEED and FLASH	
	07.FLOW2	SP: 01-99 F: 00-99	Internal Prog#7 Adjust SPEED and FLASH	
	08.FLOW3	SP: 01-99 F: 00-99	Internal Prog#8 Adjust SPEED and FLASH	
	09.FLOW4	SP: 01-99 F: 00-99	Internal Prog#9 Adjust SPEED and FLASH	
	10.FLOW5	SP: 01-99 F: 00-99	Internal Prog#10 Adjust SPEED and FLASH	
	11.FLOW6	SP: 01-99 F: 00-99	Internal Prog#11 Adjust SPEED and FLASH	
	12.FLOW7	SP: 01-99 F: 00-99	Internal Prog#12 Adjust SPEED and FLASH	
	Flip	OFF , ON		Set starting LED, see FLIP Section for more info.
	Macros	00-63		Select Color Macro Value
	LCD.Set	Backligh	02~60m 05m	LCD Backlight Shut Off Time
Key Lock		ON / ON1, OFF	Control Front Panel Buttons Key Lock	
DisFlash		ON / OFF	Display flashes when NO DMX	
DFSET	ON / OFF		Restore Factory Settings	
TEMP	Fahren / Celsius		Temperature Switch Between F° / C°	
Info	TimeInfo	TimerPIN	PIN= 066	Enter PIN to Access Clear Last/Clear Total Menus
		Current	XXXX (Hours)	Fixture Run Time From Power ON
		TotalTim	XXXX (Hours)	Fixture Total Run Time
		Last Clea	XXXX (Hours)	Clear Fixture Last Run Time
	TempInfo	xxx°F	XXX F° / C°	Displays Temperature in Fixture Head
	Modellnf	ELATION		Display Model Name
	ErrorInf	Error Record 1 ~ Error Record 10		Display 10 Recent Error Messages
Software	1U ≥V101	2U ≥V101	Software Versions	
Test	Reset. M	ZOOM		Reset of Zoom Motor
	Calibrate	Password	Password= 050	Calibration of LEDS (RGBW) and Zoom Motor
Secondary	SECONDARY			SECONDARY Mode
Manual	Manual	ZOOM	000 - 255	Set Manual Zoom DMX Value
		Dimmer	000 - 255	Set Manual Master Dimmer DMX Value
		RED	000 - 255	Set Manual RED DMX Value
		GREEN	000 - 255	Set Manual GREEN DMX Value
		BLUE	000 - 255	Set Manual BLUE DMX Value
		WHITE	000 - 255	Set Manual WHITE DMX Value
		Strobe	000 - 255	Set Manual STROBE DMX Value

Function - DimCurve

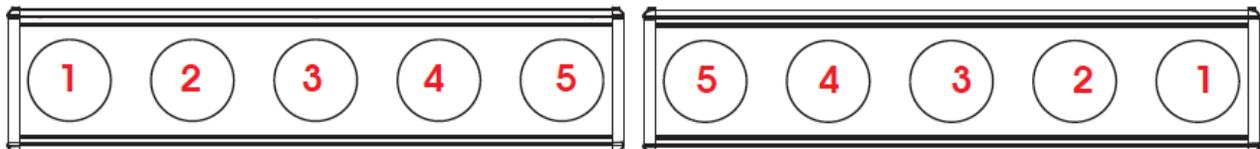
Select desired DIMMER MODE (**Standard**, Stage, TV, Architectural, Theatre).

DIMMER



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

Flip
 Select the desired starting LED and chase direction from one of the following modes below via **UP/DOWN** buttons and then press **ENTER** to confirm. (**Default = OFF**)



FLIP = OFF

FLIP = ON

DMX CHANNEL FUNCTIONS AND VALUES

ELATION© ZCL BAR Z300 IP™								
DMX Channel Values / Functions Version (28 DMX Channels)								
Supports Software Versions: ≥ 1.01								
Features are subject to change without any prior written notice.								
*Rotation (Clockwise or Counterclockwise) and direction of effects depends on orientation of the fixture head and Pan/Tilt settings.								
MODE / CHANNEL							VALUE	FUNCTION
CH:05	CH:06	CH:07	CH:09	CH:13	CH:21	CH:28		
1	1	1	1	1			0-255	RED [ALL LEDs] 0 to 100%
2	2	2	2	2			0-255	GREEN [ALL LEDs] 0 to 100%
3	3	3	3	3			0-255	BLUE [ALL LEDs] 0 to 100%
4	4	4	4	4			0-255	WHITE [ALL LEDs] 0 to 100%
					1	1	0-255	RED [LED #1] 0 to 100%
					2	2	0-255	GREEN [LED #1] 0 to 100%
					3	3	0-255	BLUE [LED #1] 0 to 100%
					4	4	0-255	WHITE [LED #1] 0 to 100%
					5	5	0-255	RED [LED #2] 0 to 100%
					6	6	0-255	GREEN [LED #2] 0 to 100%
					7	7	0-255	BLUE [LED #2] 0 to 100%
					8	8	0-255	WHITE [LED #2] 0 to 100%
					9	9	0-255	RED [LED #3] 0 to 100%
					10	10	0-255	GREEN [LED #3] 0 to 100%
					11	11	0-255	BLUE [LED #3] 0 to 100%
					12	12	0-255	WHITE [LED #3] 0 to 100%

Supports Software Versions: ≥ 1.01

Features are subject to change without any prior written notice.

**Rotation (Clockwise or Counterclockwise) and direction of effects depends on orientation of the fixture head and Pan/Tilt settings.*

MODE / CHANNEL							VALUE	FUNCTION
CH:05	CH:06	CH:07	CH:09	CH:13	CH:21	CH:28		
					13	13	0-255	RED [LED #4] 0 to 100%
					14	14	0-255	GREEN [LED #4] 0 to 100%
					15	15	0-255	BLUE [LED #4] 0 to 100%
					16	16	0-255	WHITE [LED #4] 0 to 100%
					17	17	0-255	RED [LED #5] 0 to 100%
					18	18	0-255	GREEN [LED #5] 0 to 100%
					19	19	0-255	BLUE [LED #5] 0 to 100%
					20	20	0-255	WHITE [LED #5] 0 to 100%
			5	5		21		SHUTTER / STROBE
							0-31	LED OFF
							32-63	LED ON
							64-95	Strobe Effect SLOW to FAST
							96-127	LED ON
							128-159	Pulse Effect in Sequences
							160-191	LED ON
							192-223	Random Strobe Effect SLOW to FAST
							224-255	LED ON
			6	6		22	0-255	DIMMER INTENSITY Dimmer 0 to 100%
			7	7		23	0-255	DIMMER INTENSITY FINE Dimmer FINE Adjustment

Supports Software Versions: ≥ 1.01

Features are subject to change without any prior written notice.

**Rotation (Clockwise or Counterclockwise) and direction of effects depends on orientation of the fixture head and Pan/Tilt settings.*

MODE / CHANNEL							VALUE	FUNCTION
CH:05	CH:06	CH:07	CH:09	CH:13	CH:21	CH:28		
								COLOR PRESETS
							0	OFF
							1-4	COLOR PRESET 01
							5-8	COLOR PRESET 02
							9-12	COLOR PRESET 03
							13-16	COLOR PRESET 04
							17-20	COLOR PRESET 05
							21-24	COLOR PRESET 06
							25-28	COLOR PRESET 07
							29-32	COLOR PRESET 08
							33-36	COLOR PRESET 09
							37-40	COLOR PRESET 10
							41-44	COLOR PRESET 11
							45-48	COLOR PRESET 12
							49-52	COLOR PRESET 13
							53-56	COLOR PRESET 14
				8		24	57-60	COLOR PRESET 15
							61-64	COLOR PRESET 16
							65-68	COLOR PRESET 17
							69-72	COLOR PRESET 18
							73-76	COLOR PRESET 19
							77-80	COLOR PRESET 20
							81-84	COLOR PRESET 21
							85-88	COLOR PRESET 22
							89-92	COLOR PRESET 23
							93-96	COLOR PRESET 24
							97-100	COLOR PRESET 25
							101-104	COLOR PRESET 26
							105-108	COLOR PRESET 27
							109-112	COLOR PRESET 28
							113-116	COLOR PRESET 29
							117-120	COLOR PRESET 30
							121-124	COLOR PRESET 31
							125-128	COLOR PRESET 32

Supports Software Versions: ≥ 1.01

Features are subject to change without any prior written notice.

**Rotation (Clockwise or Counterclockwise) and direction of effects depends on orientation of the fixture head and Pan/Tilt settings.*

MODE / CHANNEL							VALUE	FUNCTION
CH:05	CH:06	CH:07	CH:09	CH:13	CH:21	CH:28		
								COLOR PRESETS [continued]
							129-132	COLOR PRESET 33
							133-136	COLOR PRESET 34
							137-140	COLOR PRESET 35
							141-144	COLOR PRESET 36
							145-148	COLOR PRESET 37
							149-152	COLOR PRESET 38
							153-156	COLOR PRESET 39
							157-160	COLOR PRESET 40
							161-164	COLOR PRESET 41
							165-168	COLOR PRESET 42
							169-172	COLOR PRESET 43
							173-176	COLOR PRESET 44
							177-180	COLOR PRESET 45
							181-184	COLOR PRESET 46
							185-188	COLOR PRESET 47
				8		24	189-192	COLOR PRESET 48
							193-196	COLOR PRESET 49
							197-200	COLOR PRESET 50
							201-204	COLOR PRESET 51
							205-208	COLOR PRESET 52
							209-212	COLOR PRESET 53
							213-216	COLOR PRESET 54
							217-220	COLOR PRESET 55
							221-224	COLOR PRESET 56
							225-228	COLOR PRESET 57
							229-232	COLOR PRESET 58
							233-236	COLOR PRESET 59
							237-240	COLOR PRESET 60
							241-244	COLOR PRESET 61
							245-248	COLOR PRESET 62
							249-252	COLOR PRESET 63
							253-255	COLOR PRESET 64

Supports Software Versions: ≥ 1.01

Features are subject to change without any prior written notice.

**Rotation (Clockwise or Counterclockwise) and direction of effects depends on orientation of the fixture head and Pan/Tilt settings.*

MODE / CHANNEL							VALUE	FUNCTION
CH:05	CH:06	CH:07	CH:09	CH:13	CH:21	CH:28		
						25		PROGRAM MACROS
							0	NO FUNCTION
							1-20	PROGRAM MACRO 01
							21-40	PROGRAM MACRO 02
							41-60	PROGRAM MACRO 03
							61-80	PROGRAM MACRO 04
							81-100	PROGRAM MACRO 05
							101-120	PROGRAM MACRO 06
							121-140	PROGRAM MACRO 07
							141-160	PROGRAM MACRO 08
							161-180	PROGRAM MACRO 09
							181-200	PROGRAM MACRO 10
							201-230	PROGRAM MACRO 11
							231-240	PROGRAM MACRO 12
							241-250	PROGRAM MACRO 13
						251-255	PROGRAM MACRO 14	
				10		26	0-255	PROGRAM MACRO SPEED SLOW to FAST Speed
			8	11	21	27	0-255	ZOOM Zoom 0% (4 Degrees) to 100% (44 Degrees)
			9	12		28		DIMMING CURVE MODES
					0-20		STANDARD	
					21-40		STAGE	
					41-60		TV	
					61-80		ARCHITECTURAL	
					81-100		THEATRE	
						101-255	Default to Unit Setting	

CLEANING AND MAINTENANCE



C A U T I O N

Disconnect power before cleaning or 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. 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.

TECHNICAL SPECIFICATIONS

SOURCE

(5) 60W 4-in-1 RGBW LEDs

100,000 Hour Average LED Life*

*May vary depending on several factors including but not limited to:
Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

COLOR

RGBW

EFFECTS

RGBW Color Mixing

Full Pixel Control and Pixel Order Flip

4° - 44° Motorized Zoom

64 Color Presets and 12 Unique Program Macros

Electronic Strobe and Selectable Dimming Curves

CONTROL / CONNECTIONS

7 DMX Channel Modes (28 Total Channels)

4 Touch Button Control Panel and LCD Menu Display

RDM (Remote Device Management)

IP rated 5pin DMX and power In/Out

SIZE / WEIGHT

Length: 26.4" (670mm)

Width: 6.2" (157.8mm)

Horizontal Height: 11.7" (297.6mm)

Weight: 43.0 lbs. (19.5 kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

390W Max Power Consumption

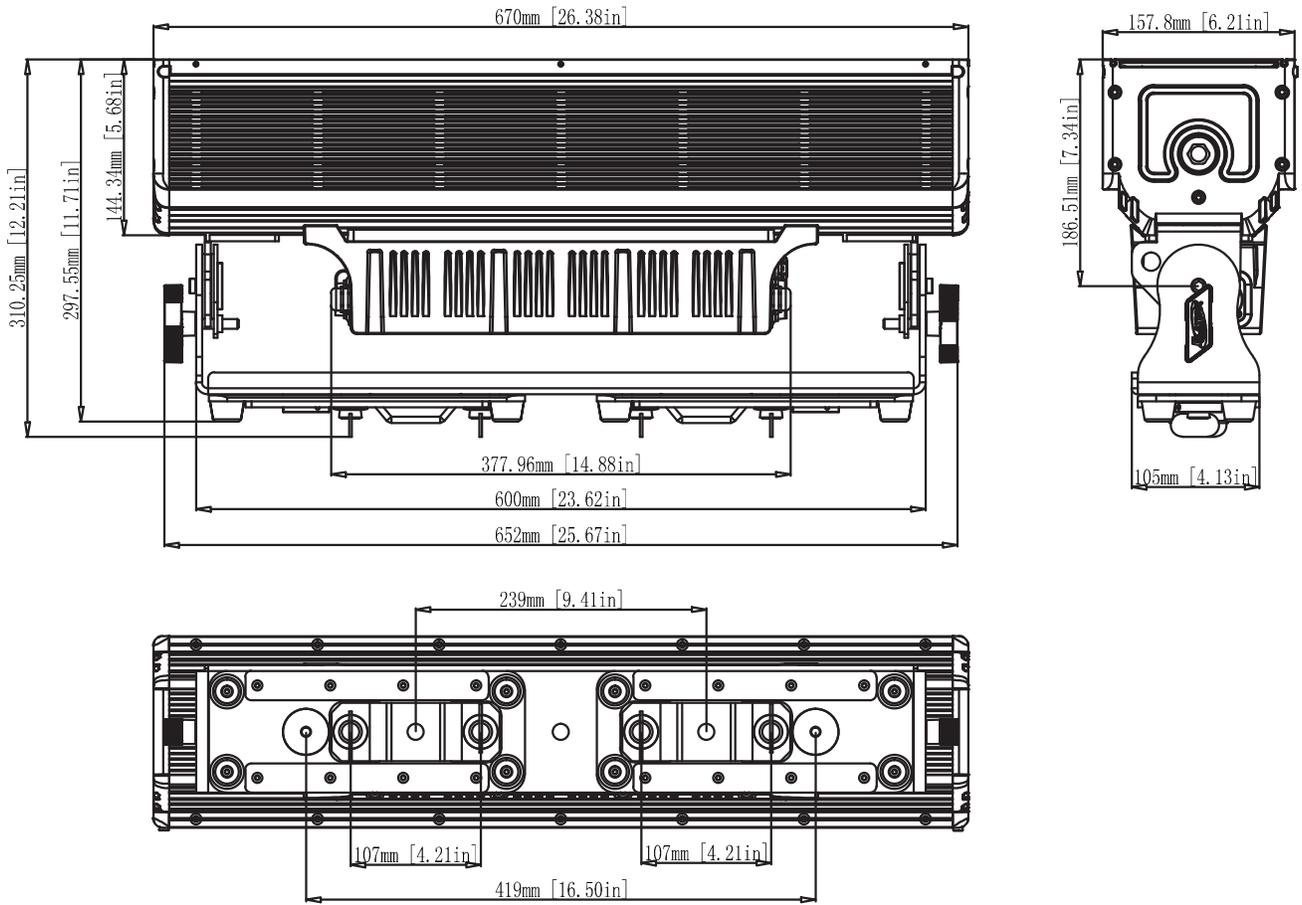
5F to 113°F (-15°C to 45°C)

APPROVALS / RATINGS

CE | RoHs | IP65

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

DIMENSIONAL DRAWINGS



Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

OPTIONAL ACCESSORIES

ORDER CODE	ITEM
NARROW CLAMP	PRO 2" Wrap Around Clamp
8050000053	Omega Bracket (107mm)
NEU088	3 ft. (1m) Power Link 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.

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

