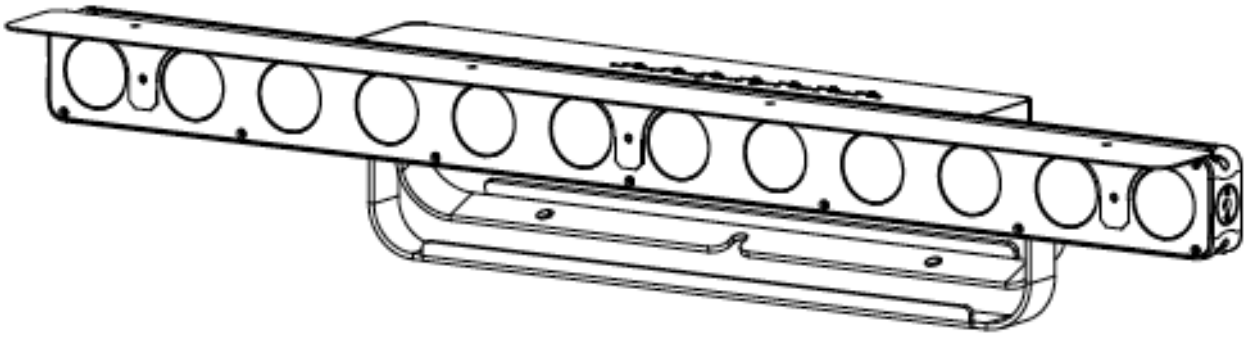

DTW BAR 1000™

user manual

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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
07/07/16	1	1.05	01 / 02 / 03 / 05 / 06 / 07 10 / 12 / 15 / 36 / 41 / 45	Initial release.
01/31/19	2	1.10	Added 20 & 72 CH modes	Added DMX Channel Modes and Dynamic DIM to WARM Control.

C O N T E N T S

GENERAL INFORMATION

INTRODUCTION

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

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

powerCON Cable
Frost Filter
Glare Shield
Frost Filter/Glare Shield Mounting Screws (x3)

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

IMPORTANT NOTICE!

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.

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.

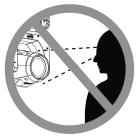
SAFETY GUIDELINES

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!

INDOOR / DRY LOCATIONS USE ONLY!
DO NOT EXPOSE FIXTURE TO RAIN AND/OR MOISTURE!

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. 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 install fixture with 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.

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 review by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.

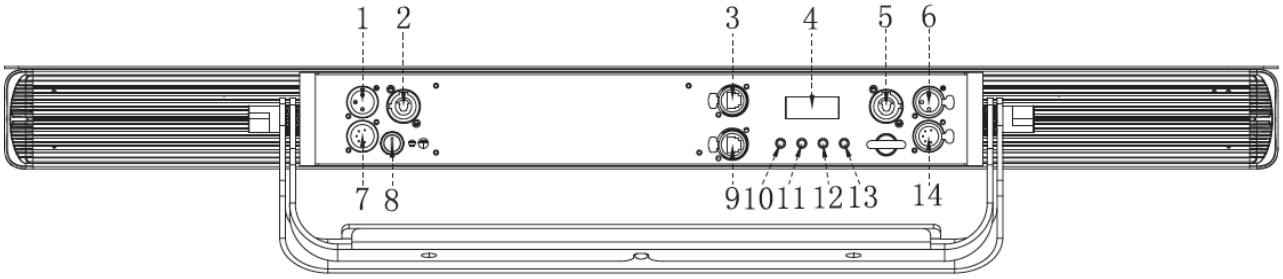
Be sure all screws and fasteners are securely tightened at all times. Lose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.

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.

FIXTURE OVERVIEW



1. 3pin DMX IN
2. powerCON IN
3. RJ45 NET IN
4. LCD Menu Control Display
5. powerCON OUT
6. 3pin DMX OUT
7. 5pin DMX IN
8. FUSE
9. RJ45 NET OUT
10. Mode Button
11. UP Button
12. DOWN Button
13. ENTER Button
14. 5pin DMX OUT

INSTALLATION INSTRUCTIONS

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.

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

Fixture ambient operating temperature range is **15° to 113°F. (-15° to 45°C)**
Do not use the fixture under or above this temperature.

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 that can hold 10 times the weight of the fixture.

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

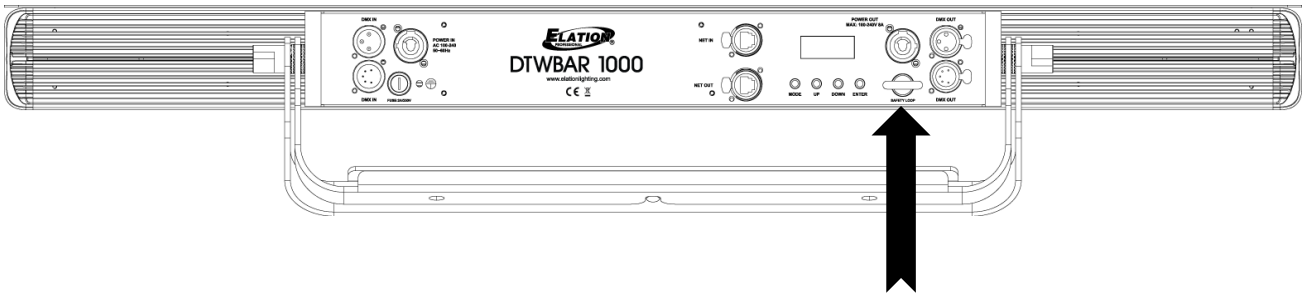
INSTALLATION INSTRUCTIONS

CLAMP MOUNTING

The fixture includes an integrated dual yoke bracket. When mounting this fixture to truss be sure to secure an appropriately rated clamp (not included) to one of the mounting holes.

Be sure to attach a **Safety Cable** to the fixture using the safety cable rigging point integrated into the back of the fixture. (See image below)

ALWAYS ATTACH A SAFETY CABLE WHEN INSTALLING FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THE FIXTURE WILL NOT DROP IF THE CLAMP FAILS.



SAFETY CABLE RIGGING POINT

OVERHEAD 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 and property damage. Fixture is fully operational in the specific mounting positions illustrated below.

POWER LINKING

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 AMX AMPS.

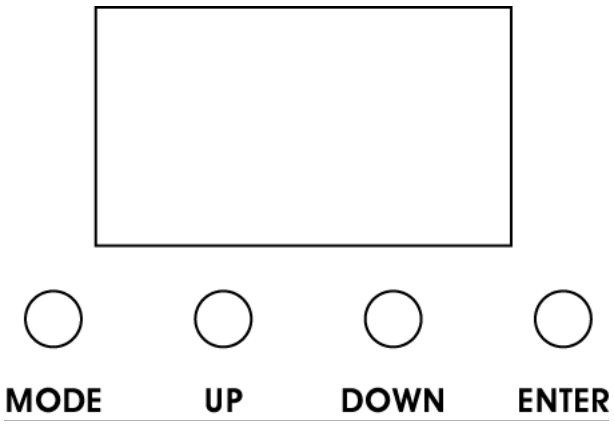
KLING-NET / ART-NET CONNECTION

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

SYSTEM MENU

The fixture comes with an easy to navigate system menu. The control panel (see image below) located on the back 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/ESC** button.

NOTE: the LCD Menu Control Display will shut OFF and lockout after 30 seconds of no use. Press and hold the **MODE** button for 10 seconds to unlock the LCD display.



INFORMATION DISPLAYED DURING INITIAL POWER ON

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

Fixture Software Version
(Greater than or equal to)

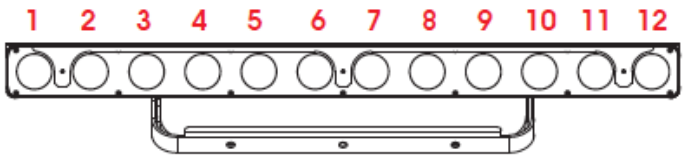
ELATION DTW BAR 1000 S Y S T E M M E N U			
Features are subject to change without any prior written notice.			
MENU	**OPTIONS / VALUES** (Default Settings in **BOLD**)		**DESCRIPTION**
DMX MODE ADDR:xxx CH:xx	ADDR:**001** - 512 CH:**01**, 02, 03, 05, 06, 07, 10, 12, 15, 20, 36, 41, 45, 72		Set DMX Address. Set DMX Channel Mode. **CH 20 & CH 72 Added with V1.10**
SLAVE M O D E			Set unit to Slave Mode
AUTO RUN FQN:xx	FQN:**01**-99		Set the number of times each internal macro will repeat before moving to the next macro
01STATIC - 15FLOW1	**01**-15		Select Internal Program Macro See **PROGRAM MACROS** for more details
DimCurve	**Standard**, Stage, TV, Architec, Theatre		Set desired Dimming Curve
Flip	ON, **OFF**		Set starting LED See FLIP Section for more details
NO DMX	**Hold**, Blackout, Program		Define how fixture reacts when NO DMX signal present
Manual	WW**000**-255 CW**000**-255 A**000**-255 STR:**00**-99		Set Warm White, Cool White, Amber, and Strobe Values manually
Macros	**00**-07		Select Internal Color Macro See **COLOR MACROS** for more details
Whitebal	WW000-**255** CW000-**255** A000-**255**		Adjust White Balance for each LED NOTE: Reset to Default does NOT change these values
Net Set Fix ID	Fix ID Ser PIN	Ser PIN Pass=**000**	Enter Passcode **050** to access IP Address and Universe Network Menus
	Fix ID IP Addr	**000.000** **000.000**	Set fixture IP Address
	Fix ID MaskAddr	**255.000** **000.000**	Set fixture Sub Net Mask Address
	Fix ID Universe	**000**	Set fixture Universe
Net Set Pro Set	K - Net, **ArtNet**		Set Protocol (Kling-Net or ArtNet)
Net Set Net Swi	ON, **OFF**		Set Ethernet Switch
TempUnit	**F**, °C		Set Temperature Display Value to Celsius / Fahrenheit
Temp	XXX		Displays Fixture Temperature
Colortem	CTL:XXXX (1600-2500K) CTH:XXXX (2500-6500K)		Set Dynamic DIM to WARM Control Range CTL (Color Temp Low) CTH (Color Temp High) **Added with V1.10**
Default	**OFF**, ON		Reset fixture to factory default settings

ELATION DTWBAR 1000 PROGRAM MACROS		
Features subject to change without any prior written notice.		
MACRO	**OPTIONS / VALUES**	**DESCRIPTION**
01.STATIC	CL: **BLAC**, WW, CW, A, WA F**00**-99	Static Colors Fade Adjustable
02.DREAM	SP**00**-99 F**00**-99	All Color Dreaming Sequence Speed & Fade Adjustable
03.METEOR	SP**00**-99 F**00**-99	All Color Flow Sequence Speed & Fade Adjustable
04.FADE	SP**00**-99 F**00**-99	All Color Fade Sequence Speed & Fade Adjustable
05.CHANGE	SP**00**-99 F**00**-99	All Color Change Sequence Speed & Fade Adjustable
06.FLOW 1	SP**00**-99 F**00**-99	All Color Chase Sequence Speed & Fade Adjustable
07.FLOW 2	SP**00**-99 F**00**-99	All Color Chase Sequence Speed & Fade Adjustable
08.FLOW 3	SP**00**-99 F**00**-99	All Color Chase Sequence Speed & Fade Adjustable
09.FLOW 4	SP**00**-99 F**00**-99	All Color Chase Sequence Speed & Fade Adjustable
10.FLOW 5	SP**00**-99 F**00**-99	All Color Chase Sequence Speed & Fade Adjustable
11.FLOW 6	SP**00**-99 F**00**-99	All Color Chase Sequence Speed & Fade Adjustable
12.FLOW 7	SP**00**-99 F**00**-99	All Color Chase Sequence Speed & Fade Adjustable
13.FLOW 8	SP**00**-99 F**00**-99 C1:**BLAC**, WW, CW, A C2:**BLAC**, WW, CW, A	2 Selectable Color Chase Speed & Fade Adjustable
14.FLOW 9	SP**00**-99 F**00**-99 C1:**BLAC**, WW, CW, A C2:**BLAC**, WW, CW, A	2 Selectable Color Chase Speed & Fade Adjustable
15.FLOW 1	SP**00**-99 F**00**-99	Seven Color Chase Speed & Flash Adjustable

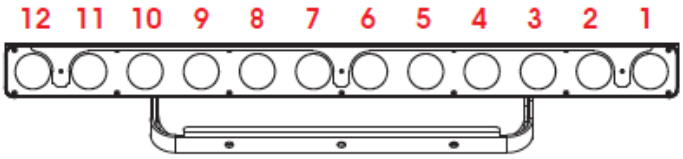
ELATION DTWBAR 1000 COLOR MACROS	
Actual colors may vary and subject to change without notice.	
MACRO #	**COLOR MACRO**
00	OFF
01	WARM WHITE
02	COOL WHITE
03	AMBER
04	WARM WHITE + COOL WHITE
05	WARM WHITE + AMBER
06	COOL WHITE + AMBER
07	WARM WHITE + COOL WHITE + AMBER
	NO FUNCTION

PIXEL FLIP

Select the desired starting LED module and chase direction from one of the following modes below via **UP/DOWN** buttons and then press **ENTER** to confirm.



Flip = OFF



Flip = ON

WHITE BALANCE

Select the desired white balance settings for each LED separately.

WW000-**255** CW000-**255** A000-**255**

NOTE: Reset to Default does NOT change these values.

DYNAMIC DIM TO WARM CONTROL RANGE

This feature **(added with software update v1.10)** provides dynamic color temperature control by allowing a specific CTH (Color Temperature High) and CTL (Color Temp Low) to be set via the fixture's system menu or via DMX control. This feature provides smooth DIM to WARM dimming and superior color rendering consistency (CRI), ensuring colors look as intended even while dimming.

DMX 20 CHANNEL MODE (added with software update v1.10)

Channels 1-12 (LED pixels 1-12) are used to set the individual LED pixel output levels. Note channel 14 (Shutter/Strobe), 15 (Master Dimmer) and/or 16 (Dimmer FINE), must be used in order for channels 1-12 to function. Channel 17 (CTL Control Temp Low) and Channel 18 (CTH Control Temp High) are used to set the specific dynamic Color Temperature levels. Channel 19 is used to set the maximum output limit of channels 1-12, 14, 15 and/or 16, without affecting the Color Temperature values set in channels 17 and/or 18.

DMX CHANNEL FUNCTIONS AND VALUES

ELATION DTW BAR 1000 DMX Channel Values / Functions (45 DMX Channels)															
Supports Software Versions: ≥ 1.02															
Features are subject to change without any prior written notice. *Control of LEDs depends on the Pixel Flip setting.															
DMX CHANNEL MODE														**VALUE**	**FUNCTION**
1 CH	**2 CH**	**3 CH**	**5 CH**	**6 CH**	**7 CH**	**10 CH**	**12 CH**	**15 CH**	**36 CH**	**41 CH**	**45 CH**	**N/A**	**N/A**		
1	1													0-255	All LEDS [1-12] (0) = 0% (255) = 100%
		1	1	1	1	1								0-255	COOL WHITE - All LEDs [1-12] (0) = 0% (255) = 100%
		2	2	2	2	2								0-255	WARM WHITE - All LEDs [1-12] (0) = 0% (255) = 100%
		3	3	3	3	3								0-255	AMBER - All LEDs [1-12] (0) = 0% (255) = 100%
							1	1						0-255	LED [1] (0) = 0% (255) = 100%
							2	2						0-255	LED [2] (0) = 0% (255) = 100%
							3	3						0-255	LED [3] (0) = 0% (255) = 100%
							4	4						0-255	LED [4] (0) = 0% (255) = 100%
							5	5						0-255	LED [5] (0) = 0% (255) = 100%
							6	6						0-255	LED [6] (0) = 0% (255) = 100%
							7	7						0-255	LED [7] (0) = 0% (255) = 100%
							8	8						0-255	LED [8] (0) = 0% (255) = 100%
							9	9						0-255	LED [9] (0) = 0% (255) = 100%
							10	10						0-255	LED [10] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
							11	11						0-255	LED [11]
															(0) = 0% (255) = 100%
							12	12						0-255	LED [12]
															(0) = 0% (255) = 100%
									1	1	1			0-255	COOL WHITE - LED [1]
															(0) = 0% (255) = 100%
									2	2	2			0-255	WARM WHITE - LED [1]
															(0) = 0% (255) = 100%
									3	3	3			0-255	AMBER - LED [1]
															(0) = 0% (255) = 100%
									4	4	4			0-255	COOL WHITE - LED [2]
															(0) = 0% (255) = 100%
									5	5	5			0-255	WARM WHITE - LED [2]
															(0) = 0% (255) = 100%
									6	6	6			0-255	AMBER - LED [2]
															(0) = 0% (255) = 100%
									7	7	7			0-255	COOL WHITE - LED [3]
															(0) = 0% (255) = 100%
									8	8	8			0-255	WARM WHITE - LED [3]
															(0) = 0% (255) = 100%
									9	9	9			0-255	AMBER - LED [3]
															(0) = 0% (255) = 100%
									10	10	10			0-255	COOL WHITE - LED [4]
															(0) = 0% (255) = 100%
									11	11	11			0-255	WARM WHITE - LED [4]
															(0) = 0% (255) = 100%
									12	12	12			0-255	AMBER - LED [4]
															(0) = 0% (255) = 100%
									13	13	13			0-255	COOL WHITE - LED [5]
															(0) = 0% (255) = 100%
									14	14	14			0-255	WARM WHITE - LED [5]
															(0) = 0% (255) = 100%
									15	15	15			0-255	AMBER - LED [5]
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
									16	16	16			0-255	COOL WHITE - LED [6]
															(0) = 0% (255) = 100%
									17	17	17			0-255	WARM WHITE - LED [6]
															(0) = 0% (255) = 100%
									18	18	18			0-255	AMBER - LED [6]
															(0) = 0% (255) = 100%
									19	19	19			0-255	COOL WHITE - LED [7]
															(0) = 0% (255) = 100%
									20	20	20			0-255	WARM WHITE - LED [7]
															(0) = 0% (255) = 100%
									21	21	21			0-255	AMBER - LED [7]
															(0) = 0% (255) = 100%
									22	22	22			0-255	COOL WHITE - LED [8]
															(0) = 0% (255) = 100%
									23	23	23			0-255	WARM WHITE - LED [8]
															(0) = 0% (255) = 100%
									24	24	24			0-255	AMBER - LED [8]
															(0) = 0% (255) = 100%
									25	25	25			0-255	COOL WHITE - LED [9]
															(0) = 0% (255) = 100%
									26	26	26			0-255	WARM WHITE - LED [9]
															(0) = 0% (255) = 100%
									27	27	27			0-255	AMBER - LED [9]
															(0) = 0% (255) = 100%
									28	28	28			0-255	COOL WHITE - LED [10]
															(0) = 0% (255) = 100%
									29	29	29			0-255	WARM WHITE - LED [10]
															(0) = 0% (255) = 100%
									30	30	30			0-255	AMBER - LED [10]
															(0) = 0% (255) = 100%
									31	31	31			0-255	COOL WHITE - LED [11]
															(0) = 0% (255) = 100%
									32	32	32			0-255	WARM WHITE - LED [11]
															(0) = 0% (255) = 100%
									33	33	33			0-255	AMBER - LED [11]
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
									34	34	34			0-255	COOL WHITE - LED [12]
															(0) = 0% (255) = 100%
									35	35	35			0-255	WARM WHITE - LED [12]
															(0) = 0% (255) = 100%
									36	36	36			0-255	AMBER - LED [12]
															(0) = 0% (255) = 100%
											37			0-255	All LEDS [1-12]
															(0) = 0% (255) = 100%
															COLOR MACROS
														0-30	NO Function
														31-61	WARM WHITE
														62-92	COOL WHITE
						4		13		37	38			93-123	AMBER
														124-154	WARM WHITE + COOL WHITE
														155-185	WARM WHITE + AMBER
														186-216	COOL WHITE + AMBER
														217-247	WW + CW + AMBER
														248-255	NO Function
															SHUTTER / STROBE
														0-31	LEDS OFF
														32-95	Variable Strobe SLOW to FAST
					4	5		14		38	39			96-127	LEDs ON
														128-159	Pulse Strobe SLOW to FAST
														160-191	LEDs ON
														192-223	Random Strobe SLOW to FAST
														224-255	LEDs ON
			4	4	5	6				39	40			0-255	MASTER DIMMER
															(0) = 0 (255) = 100%
			5	5	6	7				40	41			0-255	MASTER DIMMER FINE
															(0) = 0 (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
															DIMMING CURVE MODES
														0-20	STANDARD
														21-40	STAGE
	2			6	7			15		41	42			41-60	TV
														61-80	ARCHITECTURAL
														81-100	THEATRE
														101-255	Default to Unit Setting
															PROGRAM MACROS
														0-10	NO Function
														11-26	Program 01
														27-43	Program 02
														44-60	Program 03
														61-76	Program 04
														77-93	Program 05
						8					43			94-110	Program 06
														111-126	Program 07
														127-143	Program 08
														144-160	Program 09
														161-176	Program 10
														177-193	Program 11
														194-210	Program 12
														211-255	NO Function
															PROGRAM SPEED
						9					44			0-255	(0) SLOW to (255) FAST
															PROGRAM FADE
						10					45			0-255	(0) = 0% (255) = 100%

DMX CHANNEL MODE UPDATE WITH SOFTWARE UPDATE VERSION ≥1.10

ELATION DTW BAR 1000

DMX Channel Values / Functions (72 DMX Channels)

Supports Software Versions: ≥ 1.10

Features are subject to change without any prior written notice.
*Control of LEDs depends on the Pixel Flip setting.

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH		
SAME AS V1.02												1		0-255	LED [1]
															(0) = 0% (255) = 100%
												2		0-255	LED [2]
															(0) = 0% (255) = 100%
												3		0-255	LED [3]
															(0) = 0% (255) = 100%
												4		0-255	LED [4]
															(0) = 0% (255) = 100%
												5		0-255	LED [5]
															(0) = 0% (255) = 100%
												6		0-255	LED [6]
															(0) = 0% (255) = 100%
												7		0-255	LED [7]
															(0) = 0% (255) = 100%
												8		0-255	LED [8]
															(0) = 0% (255) = 100%
												9		0-255	LED [9]
															(0) = 0% (255) = 100%
												10		0-255	LED [10]
															(0) = 0% (255) = 100%
												11		0-255	LED [11]
															(0) = 0% (255) = 100%
												12		0-255	LED [12]
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH		
SAME AS V1.02													1	0-255	COOL WHITE - LED [1]
															(0) = 0% (255) = 100%
													2	0-255	COOL WHITE FINE - LED [1]
															(0) = 0% (255) = 100%
													3	0-255	WARM WHITE - LED [1]
															(0) = 0% (255) = 100%
													4	0-255	WARM WHITE FINE - LED [1]
															(0) = 0% (255) = 100%
													5	0-255	AMBER - LED [1]
															(0) = 0% (255) = 100%
													6	0-255	AMBER FINE - LED [1]
															(0) = 0% (255) = 100%
													7	0-255	COOL WHITE - LED [2]
															(0) = 0% (255) = 100%
													8	0-255	COOL WHITE FINE - LED [2]
															(0) = 0% (255) = 100%
													9	0-255	WARM WHITE - LED [2]
															(0) = 0% (255) = 100%
													10	0-255	WARM WHITE FINE - LED [2]
															(0) = 0% (255) = 100%
													11	0-255	AMBER - LED [2]
															(0) = 0% (255) = 100%
													12	0-255	AMBER FINE - LED [2]
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH		
SAME AS V1.02													13	0-255	COOL WHITE - LED [3]
															(0) = 0% (255) = 100%
													14	0-255	COOL WHITE FINE - LED [3]
															(0) = 0% (255) = 100%
													15	0-255	WARM WHITE - LED [3]
															(0) = 0% (255) = 100%
													16	0-255	WARM WHITE FINE - LED [3]
															(0) = 0% (255) = 100%
													17	0-255	AMBER - LED [3]
															(0) = 0% (255) = 100%
													18	0-255	AMBER FINE - LED [3]
															(0) = 0 (255) = 100%
													19	0-255	COOL WHITE - LED [4]
															(0) = 0% (255) = 100%
													20	0-255	COOL WHITE FINE - LED [4]
															(0) = 0% (255) = 100%
													21	0-255	WARM WHITE - LED [4]
															(0) = 0% (255) = 100%
													22	0-255	WARM WHITE FINE - LED [4]
															(0) = 0% (255) = 100%
													23	0-255	AMBER - LED [4]
															(0) = 0% (255) = 100%
													24	0-255	AMBER FINE - LED [4]
															(0) = 0% (255) = 100%
													25	0-255	COOL WHITE - LED [5]
															(0) = 0% (255) = 100%
													26	0-255	COOL WHITE FINE - LED [5]
															(0) = 0% (255) = 100%
													27	0-255	WARM WHITE - LED [5]
															(0) = 0% (255) = 100%
													28	0-255	WARM WHITE FINE - LED [5]
															(0) = 0% (255) = 100%
													29	0-255	AMBER - LED [5]
															(0) = 0% (255) = 100%
													30	0-255	AMBER FINE - LED [5]
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH		
SAME AS V1.02													31	0-255	COOL WHITE - LED [6]
															(0) = 0% (255) = 100%
													32	0-255	COOL WHITE FINE - LED [6]
															(0) = 0% (255) = 100%
													33	0-255	WARM WHITE - LED [6]
															(0) = 0% (255) = 100%
													34	0-255	WARM WHITE FINE - LED [6]
															(0) = 0% (255) = 100%
													35	0-255	AMBER - LED [6]
															(0) = 0% (255) = 100%
													36	0-255	AMBER FINE - LED [6]
															(0) = 0% (255) = 100%
													37	0-255	COOL WHITE - LED [7]
															(0) = 0% (255) = 100%
													38	0-255	COOL WHITE FINE - LED [7]
															(0) = 0% (255) = 100%
													39	0-255	WARM WHITE - LED [7]
															(0) = 0% (255) = 100%
													40	0-255	WARM WHITE FINE - LED [7]
															(0) = 0% (255) = 100%
													41	0-255	AMBER - LED [7]
															(0) = 0% (255) = 100%
													42	0-255	AMBER FINE - LED [7]
															(0) = 0% (255) = 100%
													43	0-255	COOL WHITE - LED [8]
															(0) = 0% (255) = 100%
													44	0-255	COOL WHITE FINE - LED [8]
															(0) = 0% (255) = 100%
													45	0-255	WARM WHITE - LED [8]
															(0) = 0% (255) = 100%
													46	0-255	WARM WHITE FINE - LED [8]
															(0) = 0% (255) = 100%
													47	0-255	AMBER - LED [8]
															(0) = 0% (255) = 100%
													48	0-255	AMBER FINE - LED [8]
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH		
SAME AS V1.02													49	0-255	COOL WHITE - LED [9]
															(0) = 0% (255) = 100%
													50	0-255	COOL WHITE FINE - LED [9]
															(0) = 0% (255) = 100%
													51	0-255	WARM WHITE - LED [9]
															(0) = 0% (255) = 100%
													52	0-255	WARM WHITE FINE - LED [9]
															(0) = 0% (255) = 100%
													53	0-255	AMBER - LED [9]
															(0) = 0% (255) = 100%
													54	0-255	AMBER FINE - LED [9]
															(0) = 0% (255) = 100%
													55	0-255	COOL WHITE - LED [10]
															(0) = 0% (255) = 100%
													56	0-255	COOL WHITE FINE - LED [10]
															(0) = 0% (255) = 100%
													57	0-255	WARM WHITE - LED [10]
															(0) = 0% (255) = 100%
													58	0-255	WARM WHITE FINE - LED [10]
															(0) = 0% (255) = 100%
													59	0-255	AMBER - LED [10]
															(0) = 0% (255) = 100%
													60	0-255	AMBER FINE - LED [10]
															(0) = 0% (255) = 100%
													61	0-255	COOL WHITE - LED [11]
															(0) = 0% (255) = 100%
													62	0-255	COOL WHITE FINE - LED [11]
															(0) = 0% (255) = 100%
													63	0-255	WARM WHITE - LED [11]
															(0) = 0% (255) = 100%
													64	0-255	WARM WHITE FINE - LED [11]
															(0) = 0% (255) = 100%
													65	0-255	AMBER - LED [11]
															(0) = 0% (255) = 100%
													66	0-255	AMBER FINE - LED [11]
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH		
SAME AS V1.02													67	0-255	COOL WHITE - LED [12]
															(0) = 0% (255) = 100%
													68	0-255	COOL WHITE FINE - LED [12]
															(0) = 0% (255) = 100%
													69	0-255	WARM WHITE - LED [12]
															(0) = 0% (255) = 100%
													70	0-255	WARM WHITE FINE - LED [12]
															(0) = 0% (255) = 100%
													71	0-255	AMBER - LED [12]
															(0) = 0% (255) = 100%
													72	0-255	AMBER FINE - LED [12]
															(0) = 0% (255) = 100%
												13			COLOR MACROS
														0-30	NO Function
														31-61	WARM WHITE
														62-92	COOL WHITE
														93-123	AMBER
														124-154	WARM WHITE + COOL WHITE
														155-185	WARM WHITE + AMBER
														186-216	COOL WHITE + AMBER
														217-247	WW + CW + AMBER
														248-255	NO Function
												14			SHUTTER / STROBE
														0-31	LEDS OFF
														32-95	Variable Strobe SLOW to FAST
														96-127	LEDs ON
														128-159	Pulse Strobe SLOW to FAST
														160-191	LEDs ON
														192-223	Random Strobe SLOW to FAST
														224-255	LEDs ON
												15		0-255	MASTER DIMMER
															(0) = 0% (255) = 100%
												16		0-255	MASTER DIMMER FINE
															(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH			
SAME AS V1.02												17			CTL (CONTROL TEMP LOW)
														0	NO Function
														1-25	1,600K
														26-50	1,700K
														51-75	1,800K
														76-100	1,900K
														101-125	2,000K
														126-150	2,100K
														151-175	2,200K
														176-200	2,300K
														201-225	2,400K
														226-255	2,500K
												18			CTH (CONTROL TEMP HIGH)
														0	NO Function
														1-5	2,500K
														6-10	2,600K
														11-15	2,700K
														16-20	2,800K
														21-25	2,900K
														26-30	3,000K
														31-35	3,100K
														36-40	3,200K
														41-45	3,300K
														46-50	3,400K
														51-55	3,500K
														56-60	3,600K
														61-65	3,700K
														66-70	3,800K
														71-75	3,900K
														76-80	4,000K
														81-85	4,100K
														86-90	4,200K
														91-95	4,300K
														96-100	4,400K
														101-105	4,500K
														106-110	4,600K
														111-115	4,700K
														116-120	4,800K
														121-125	4,900K

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH			
SAME AS V1.02												18			CTH (CONTROL TEMP HIGH)
														126-130	5,000K
														131-135	5,100K
														136-140	5,200K
														141-145	5,300K
														146-150	5,400K
														151-155	5,500K
														156-160	5,600K
														161-165	5,700K
														166-170	5,800K
														171-175	5,900K
														176-180	6,000K
														181-185	6,100K
														186-190	6,200K
														191-195	6,300K
														196-200	6,400K
														201-255	6,500K
												19			MAXIMUM OUTPUT LIMITER (See Notes Below)
														0-255	(0) = 0% (255) = 100%
												20			DIMMING CURVE MODES
														0-20	STANDARD
														21-40	STAGE
														41-60	TV
														61-80	ARCHITECTURAL
														81-100	THEATRE
														101-255	Default to Unit Setting

DYNAMIC DIM TO WARM CONTROL RANGE – ADDED WITH V1.1.0

This feature provides dynamic color temperature control by allowing a specific CTH (Color Temperature High) and CTL (Color Temp Low) to be set via the fixture's system menu or via DMX control. This feature provides smooth DIM to WARM dimming and superior color rendering consistency (CRI), ensuring colors look as intended even while dimming.

DMX 20 CHANNEL MODE - ADDED WITH V1.1.0

Channels 1-12 (LED pixels 1-12) are used to set the individual LED pixel output levels. Note channel 14 (Shutter/Strobe), 15 (Master Dimmer) and/or 16 (Dimmer FINE), must be used in order for channels 1-12 to function. Channel 17 (CTL Control Temp Low) and Channel 18 (CTH Control Temp High) are used to set the specific dynamic Color Temperature levels. Channel 19 is used to set the maximum output limit of channels 1-12, 14, 15 and/or 16, without affecting the Color Temperature values set in channels 17 and/or 18.

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

SOURCE

(12) 10W Multi-Chip CW / WW / Amber 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.

EFFECTS

CW/WW/Amber Color Mixing and Full Pixel Control
Linear Color Temperature Range (1,600K – 6,500K)
Color and Program Macros
Electronic Strobe and Selectable Dimming Curve Modes

COLOR

Cool White, Warm White, Amber

CONTROL / CONNECTIONS

14 DMX Channel Modes (72 total channels)
DMX, RDM, Kling-Net, and Art-Net Protocol Support
4 Button Touch Control Panel
3/5pin DMX, RJ45 EtherCON, and powerCON Power In/Out

SIZE / WEIGHT

Length: 35.4” (900mm)
Width: 8.1” (206.4mm) *with included shield
Vertical Height: 6.1” (155mm)
Weight: 14.0 lbs. (6.4 kg)

ELECTRICAL / THERMAL

AC 100-250V - 50/60Hz
120W Max Power Consumption
5°F to 113°F (-15°C to 45°C)

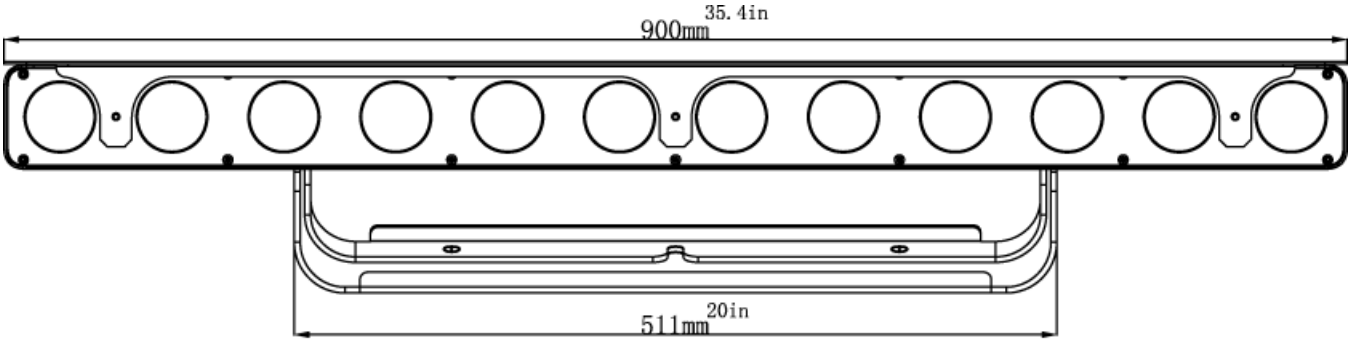
APPROVALS / RATINGS

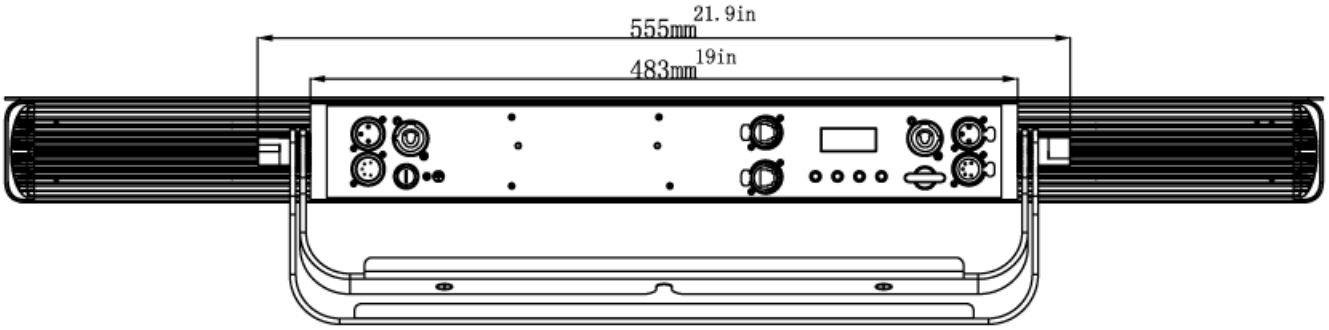
CE | IP20

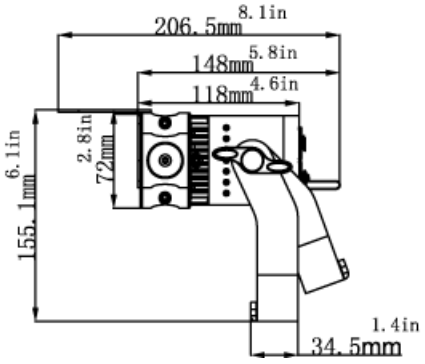
C ETL US
Intertek
4010765

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

DIMENSIONAL DRAWINGS







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

ORDER CODE	ITEM
NARROW CLAMP	Heavy Duty Wrap Around Hook Style Clamp
SCABLE 60	60 lbs. Rating 24 Inch Safety Cable
AC3PDMX5PRO	5 ft. (1.5m) 3pin PRO DMX Cable
AC5PDMX5PRO	5 ft. (1.5m) 5pin PRO DMX Cable
CAT005	5’ (1.5m) CAT6 etherCON Cable
PLC3	3 ft. (1m) PowerCON PRO 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.