# 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. |
| 08/19/20 | 3 | 1.13 | NO CHANGE | Added primary/secondary |

# C O N T E N T S

# G E N E R A L   I N F O R M A T I O N

## 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
Power 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**
**+31 45 546 85 63 | Fax +31 45 546 85 96 |** support@elationlighting.eu

**REPLACEMENT PARTS** please visit parts.elationlighting.com

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

**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.**

# L I M I T E D   W A R R A N T Y   ( U S A   O N L Y )

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.

# M A I N T E N A N C E   G U I D E L I N E S

⚠ **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
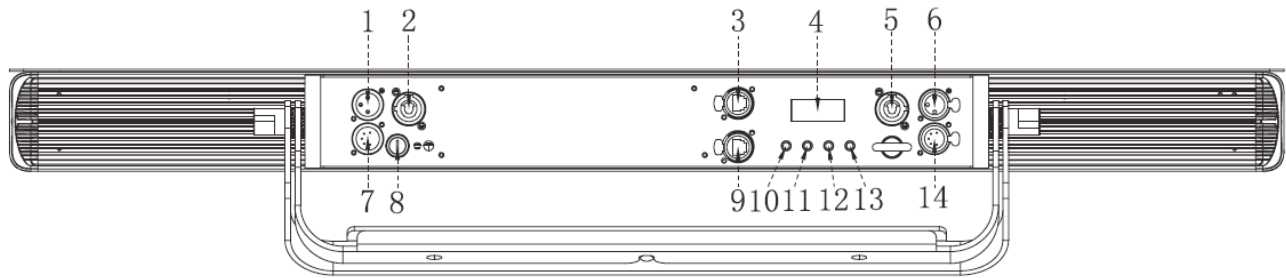


1.  **3pin DMX IN**

2.  **Power IN**

3.  **RJ45 NET IN**

4.  **LCD Menu Control Display**

5.  **Power 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.**
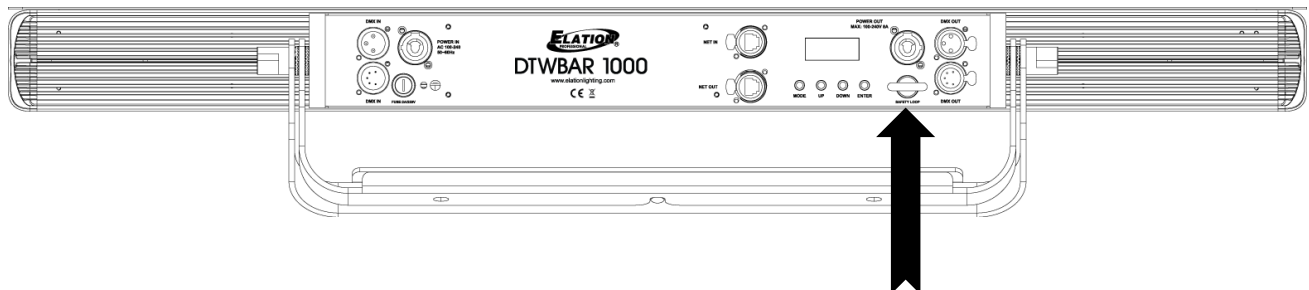


## SAFETY CABLE RIGGING POINT

## 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.



**MODE**     **UP**     **DOWN**     **ENTER**
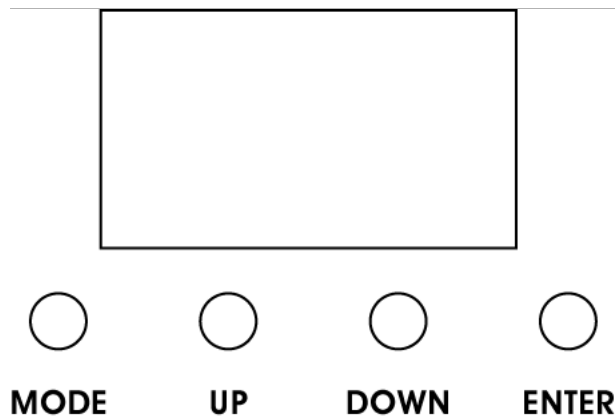
**INFORMATION DISPLAYED DURING INITIAL POWER ON**

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

| Update Wait... | → | DTW Bar 1000 | → | SOFTWARE V1.10 |
|---|---|---|---|---|

Fixture Software Version
(Greater than or equal to)
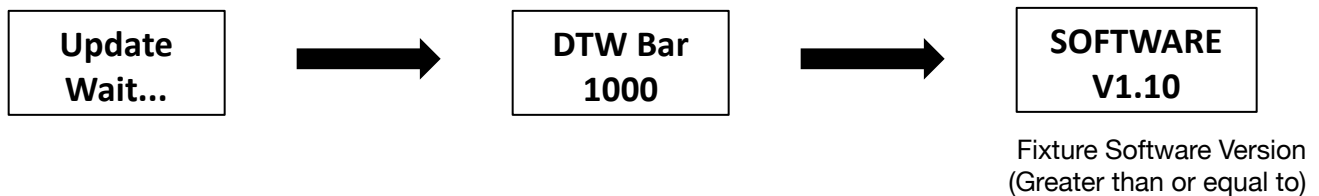
| ELATION DTW BAR 1000 | | | |
|---|---|---|---|
| **S Y S T E M   M E N U** | | | |
| Features are subject to change without any prior written notice. | | | |
| **MENU** | **OPTIONS / VALUES** (Default Settings in **BOLD**) | | **DESCRIPTION** |
| DMX MODE ADDR:xxx CH:xx | ADDR:**001** - 512 CH:**01**, 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** |
| SECONDRY M O D E | | | Set unit to Secondary 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 DTW BAR 1000 |
|---|
| P R O G R A M   M A C R O S |

Features subject to change without any prior written notice.

| MACRO | OPTIONS / VALUES | DESCRIPTION |
|---|---|---|
| 01.STATIC | CL: **BLAC**, WW, CW, A, WA<br>F**00**-99 | Static Colors<br>Fade Adjustable |
| 02.DREAM | SP**00**-99 F**00**-99 | All Color Dreaming Sequence<br>Speed & Fade Adjustable |
| 03.METEOR | SP**00**-99 F**00**-99 | All Color Flow Sequence<br>Speed & Fade Adjustable |
| 04.FADE | SP**00**-99 F**00**-99 | All Color Fade Sequence<br>Speed & Fade Adjustable |
| 05.CHANGE | SP**00**-99 F**00**-99 | All Color Change Sequence<br>Speed & Fade Adjustable |
| 06.FLOW 1 | SP**00**-99 F**00**-99 | All Color Chase Sequence<br>Speed & Fade Adjustable |
| 07.FLOW 2 | SP**00**-99 F**00**-99 | All Color Chase Sequence<br>Speed & Fade Adjustable |
| 08.FLOW 3 | SP**00**-99 F**00**-99 | All Color Chase Sequence<br>Speed & Fade Adjustable |
| 09.FLOW 4 | SP**00**-99 F**00**-99 | All Color Chase Sequence<br>Speed & Fade Adjustable |
| 10.FLOW 5 | SP**00**-99 F**00**-99 | All Color Chase Sequence<br>Speed & Fade Adjustable |
| 11.FLOW 6 | SP**00**-99 F**00**-99 | All Color Chase Sequence<br>Speed & Fade Adjustable |
| 12.FLOW 7 | SP**00**-99 F**00**-99 | All Color Chase Sequence<br>Speed & Fade Adjustable |
| 13.FLOW 8 | SP**00**-99 F**00**-99<br>C1:**BLAC**, WW, CW, A<br>C2:**BLAC**, WW, CW, A | 2 Selectable Color Chase<br>Speed & Fade Adjustable |
| 14.FLOW 9 | SP**00**-99 F**00**-99<br>C1:**BLAC**, WW, CW, A<br>C2:**BLAC**, WW, CW, A | 2 Selectable Color Chase<br>Speed & Fade Adjustable |
| 15.FLOW 1 | SP**00**-99 F**00**-99 | Seven Color Chase<br>Speed & Flash Adjustable |

| ELATION DTW BAR 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.
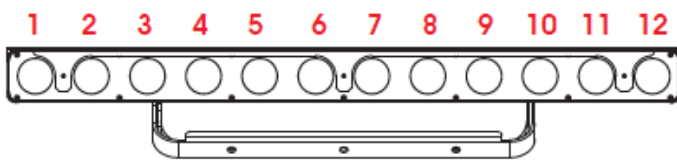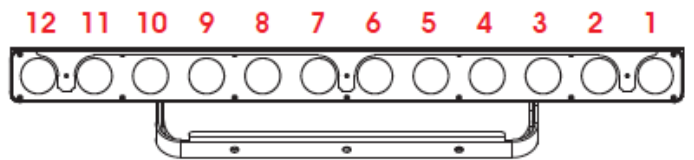


**Flip = OFF**                    **Flip = ON**

**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.

# D M X   C H A N N E L   F U N C T I O N S   A N D   V A L U E S

| ELATION DTW BAR 1000 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DMX Channel Values / Functions (45 DMX Channels)** | | | | | | | | | | | | | | |
| **Supports Software Versions: ≥ 1.13** | | | | | | | | | | | | | | |
| 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] <br> (0) = 0% (255) = 100% |
| | | 1 | 1 | 1 | 1 | 1 | | | | | | | | 0-255 | COOL WHITE - All LEDs [1-12] <br> (0) = 0% (255) = 100% |
| | | 2 | 2 | 2 | 2 | 2 | | | | | | | | 0-255 | WARM WHITE - All LEDs [1-12] <br> (0) = 0% (255) = 100% |
| | | 3 | 3 | 3 | 3 | 3 | | | | | | | | 0-255 | AMBER - All LEDs [1-12] <br> (0) = 0% (255) = 100% |
| | | | | | | | 1 | 1 | | | | | | 0-255 | LED [1] <br> (0) = 0% (255) = 100% |
| | | | | | | | 2 | 2 | | | | | | 0-255 | LED [2] <br> (0) = 0% (255) = 100% |
| | | | | | | | 3 | 3 | | | | | | 0-255 | LED [3] <br> (0) = 0% (255) = 100% |
| | | | | | | | 4 | 4 | | | | | | 0-255 | LED [4] <br> (0) = 0% (255) = 100% |
| | | | | | | | 5 | 5 | | | | | | 0-255 | LED [5] <br> (0) = 0% (255) = 100% |
| | | | | | | | 6 | 6 | | | | | | 0-255 | LED [6] <br> (0) = 0% (255) = 100% |
| | | | | | | | 7 | 7 | | | | | | 0-255 | LED [7] <br> (0) = 0% (255) = 100% |
| | | | | | | | 8 | 8 | | | | | | 0-255 | LED [8] <br> (0) = 0% (255) = 100% |
| | | | | | | | 9 | 9 | | | | | | 0-255 | LED [9] <br> (0) = 0% (255) = 100% |
| | | | | | | | 10 | 10 | | | | | | 0-255 | LED [10] <br> (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] <br> (0) = 0% (255) = 100% |
| | | | | | | | 12 | 12 | | | | | | 0-255 | LED [12] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 1 | 1 | 1 | | | 0-255 | COOL WHITE - LED [1] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 2 | 2 | 2 | | | 0-255 | WARM WHITE - LED [1] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 3 | 3 | 3 | | | 0-255 | AMBER - LED [1] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 4 | 4 | 4 | | | 0-255 | COOL WHITE - LED [2] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 5 | 5 | 5 | | | 0-255 | WARM WHITE - LED [2] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 6 | 6 | 6 | | | 0-255 | AMBER - LED [2] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 7 | 7 | 7 | | | 0-255 | COOL WHITE - LED [3] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 8 | 8 | 8 | | | 0-255 | WARM WHITE - LED [3] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 9 | 9 | 9 | | | 0-255 | AMBER - LED [3] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 10 | 10 | 10 | | | 0-255 | COOL WHITE - LED [4] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 11 | 11 | 11 | | | 0-255 | WARM WHITE - LED [4] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 12 | 12 | 12 | | | 0-255 | AMBER - LED [4] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 13 | 13 | 13 | | | 0-255 | COOL WHITE - LED [5] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 14 | 14 | 14 | | | 0-255 | WARM WHITE - LED [5] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | 15 | 15 | 15 | | | 0-255 | AMBER - LED [5] <br> (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 |
| | | | | | | | | | | | | | | 93-123 | AMBER |
| | | | | | | 4 | | 13 | | 37 | 38 | | | 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 |
| | | | | | | | 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% |

| ELATION DTW BAR 1000 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DMX Channel Values / Functions (72 DMX Channels) | | | | | | | | | | | | | | | |
| **Supports Software Versions: ≥ 1.13** | | | | | | | | | | | | | | | |
| Features are subject to change without any prior written notice.<br>*Control of LEDs depends on the Pixel Flip setting. | | | | | | | | | | | | | | | |

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

| DMX CHANNEL MODE | | | | | | | | | | | | 20 CH | 72 CH | 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 | | | | |
| | | | | | | | | | | | | | 13 | 0-255 | COOL WHITE - LED [3]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 14 | 0-255 | COOL WHITE FINE - LED [3]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 15 | 0-255 | WARM WHITE - LED [3]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 16 | 0-255 | WARM WHITE FINE - LED [3]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 17 | 0-255 | AMBER - LED [3]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 18 | 0-255 | AMBER FINE - LED [3]<br>(0) = 0 (255) = 100% |
| | | | | | | | | | | | | | 19 | 0-255 | COOL WHITE - LED [4]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 20 | 0-255 | COOL WHITE FINE - LED [4]<br>(0) = 0% (255) = 100% |
| | | SAME AS V1.02 | | | | | | | | | | | 21 | 0-255 | WARM WHITE - LED [4]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 22 | 0-255 | WARM WHITE FINE - LED [4]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 23 | 0-255 | AMBER - LED [4]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 24 | 0-255 | AMBER FINE - LED [4]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 25 | 0-255 | COOL WHITE - LED [5]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 26 | 0-255 | COOL WHITE FINE - LED [5]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 27 | 0-255 | WARM WHITE - LED [5]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 28 | 0-255 | WARM WHITE FINE - LED [5]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 29 | 0-255 | AMBER - LED [5]<br>(0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 30 | 0-255 | AMBER FINE - LED [5]<br>(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 | | |
| | | | | | | | | | | | | | 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% |
| SAME AS V1.02 | | | | | | | | | | | | | 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 | | |
| | | | | | | | | | | | | | 49 | 0-255 | COOL WHITE - LED [9] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 50 | 0-255 | COOL WHITE FINE - LED [9] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 51 | 0-255 | WARM WHITE - LED [9] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 52 | 0-255 | WARM WHITE FINE - LED [9] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 53 | 0-255 | AMBER - LED [9] <br> (0) = 0% (255) = 100% |
| | | | | SAME AS V1.02 | | | | | | | | | 54 | 0-255 | AMBER FINE - LED [9] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 55 | 0-255 | COOL WHITE - LED [10] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 56 | 0-255 | COOL WHITE FINE - LED [10] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 57 | 0-255 | WARM WHITE - LED [10] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 58 | 0-255 | WARM WHITE FINE - LED [10] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 59 | 0-255 | AMBER - LED [10] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 60 | 0-255 | AMBER FINE - LED [10] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 61 | 0-255 | COOL WHITE - LED [11] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 62 | 0-255 | COOL WHITE FINE - LED [11] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 63 | 0-255 | WARM WHITE - LED [11] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 64 | 0-255 | WARM WHITE FINE - LED [11] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 65 | 0-255 | AMBER - LED [11] <br> (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 66 | 0-255 | AMBER FINE - LED [11] <br> (0) = 0% (255) = 100% |

| DMX CHANNEL MODE | | | | | | | | | | | | 20 CH | 72 CH | 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 | | | | |
| | | | | | | | | | | | | | 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% |
| | | | | **SAME AS V1.02** | | | | | | | | 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 | | **MASTER DIMMER** |
| | | | | | | | | | | | | | | 0-255 | (0) = 0% (255) = 100% |
| | | | | | | | | | | | | | 16 | | **MASTER DIMMER FINE** |
| | | | | | | | | | | | | | | 0-255 | (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 | | | |
| | | | | | | | | | | | | 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 |

**SAME AS V1.02**

| 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 | | | |
| | | | | | | | | | | | | 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 |

**SAME AS V1.02** (spanning columns 1 CH through 45 CH)

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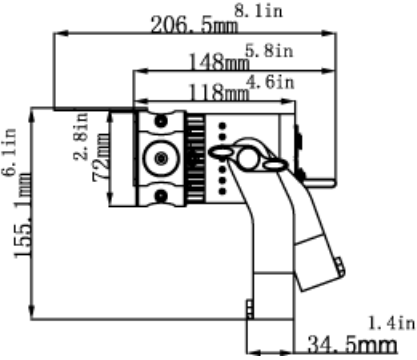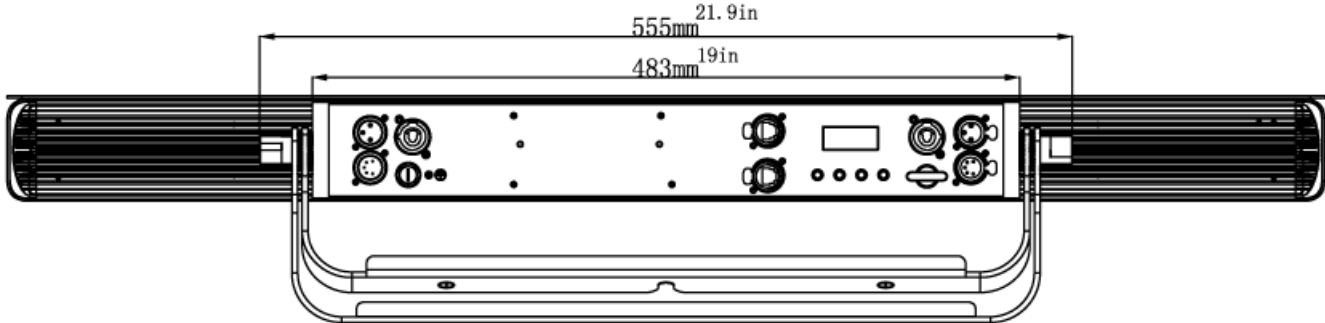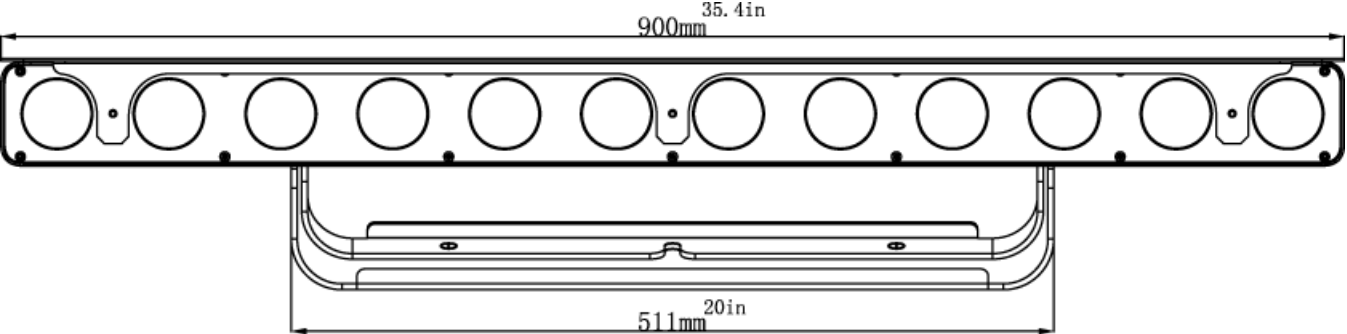
### ELECTRICAL / THERMAL
AC 100-250V - 50/60Hz
120W Max Power Consumption
5°F to 113°F (-15°C to 45°C)

### 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

35.4in
900mm

20in
511mm

21.9in
555mm

19in
483mm

8.1in
206.5mm

5.8in
148mm

4.6in
118mm

2.8in
72mm

6.1in
155.1mm

1.4in
34.5mm

# OPTIONAL ACCESSORIES

| ORDER CODE | ITEM |
|---|---|
| NARROW CLAMP | Heavy Duty Wrap Around Hook Style Clamp |
| AC3PDMX5PRO | 5 ft. (1.5m) 3pin PRO DMX Cable |
| AC5PDMX5PRO | 5 ft. (1.5m) 5pin PRO DMX Cable |
| CAT005 | 5' (1.5m) CAT6 ethernet Cable |
| PLC3 | 3 ft. (1m) Power 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.