INSTALLATION & USER'S MANUAL

Showline

SL BEAM 500 FX
LED LUMINAIRE

Website:
www.vari-lite.com

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Document Number: **SL BEAM 500 FX User's Manual**

Version as of: 12th April, 2017 draft version

SL BEAM 500 FX LED Luminaire installation & User's Manual

IMPORTANT INFORMATION

Warnings and Notices

When using electrical equipment, basic safety precautions should always be followed including the following:

a. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**

b. Do not use outdoors.

c. Do not mount near gas or electric heaters.

d. Equipment should be mounted in locations and at heights where it will not readily be subject to tampering by unauthorized personnel.

e. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

f. Do not use this equipment for other than intended use.

g. Refer service to qualified personnel.

SAVE THESE INSTRUCTIONS.

WARNING: You must have access to a mains circuit breaker or other power disconnect device before installing any wiring. BE sure that power is disconnected by removing fuses or turning the mains circuit breaker off before installation. Installing the device with power on may expose you to dangerous voltages and damage the device. A qualified electrician must perform this installation.

WARNING: Refer to National Electrical Code® and local codes for cable specifications. Failure to use proper cable can result in damage to equipment or danger to personnel.

WARNING: This equipment is intended for installation in accordance with the Nation Electric Code® and local regulations. It is also intended for installation in indoor applications only. Before any electrical work is performed, disconnect power at the circuit breaker or remove the fuse to avoid shock or damage to the control. It is recommended that a qualified electrician perform this installation.

Additional Resources for DMX512

For more information on installing DMX512 control systems, the following publication is available for purchase from the United States Institute for Theatre Technology (USITT), "Recommended Practice for DMX512: A Guide for Users and Installers, 2nd edition" (ISBN: 9780955703522). USITT Contact Information:

USITT
315 South Crouse Avenue, Suite 200
Syracuse, NY 13210-1844
Phone: 1.800.938.7488 or 1.315.463.6463
www.usitt.org

Showline Limited Two-Year Warranty

Showline offers a two-year limited warranty of its luminaires against defects in materials or workmanship from the date of delivery. A copy of Showline two-year limited warranty containing specific terms and conditions can be obtained by contacting your local Showline office.

TABLE OF CONTENTS

PREFACE

1. About this Manual

The document provides installation and operation instructions for the following product:

- SL BEAM 500 FX LED Luminaire

Please read all instructions before installing or using this product. *Retain this manual for future reference*. Additional product information and descriptions may be found on the product specification sheet.

Note: The SL BEAM 500 FX LED Luminaire is universal voltage 100 to 240 VAC (auto-ranging).

2. Included Items

Each SL BEAM 500 FX LED Luminaire includes the following items:

- SL BEAM 500 FX LED Luminaires
- PC1BE - AC Power Input Cable (39 inches / 1 meter), Powercon with Bare End* (**Note, user supplies and installs own AC input connector*)
- Quick Start Guide

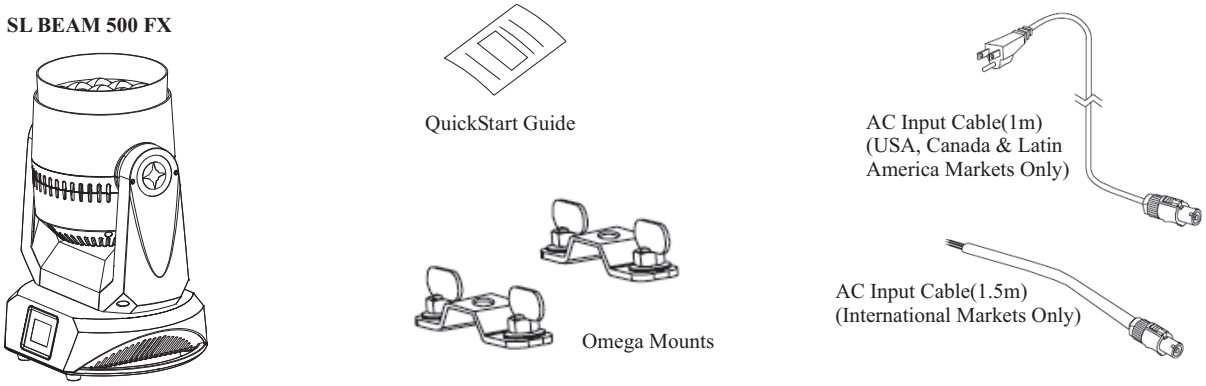


Figure 1: Included Items

3. Accessories

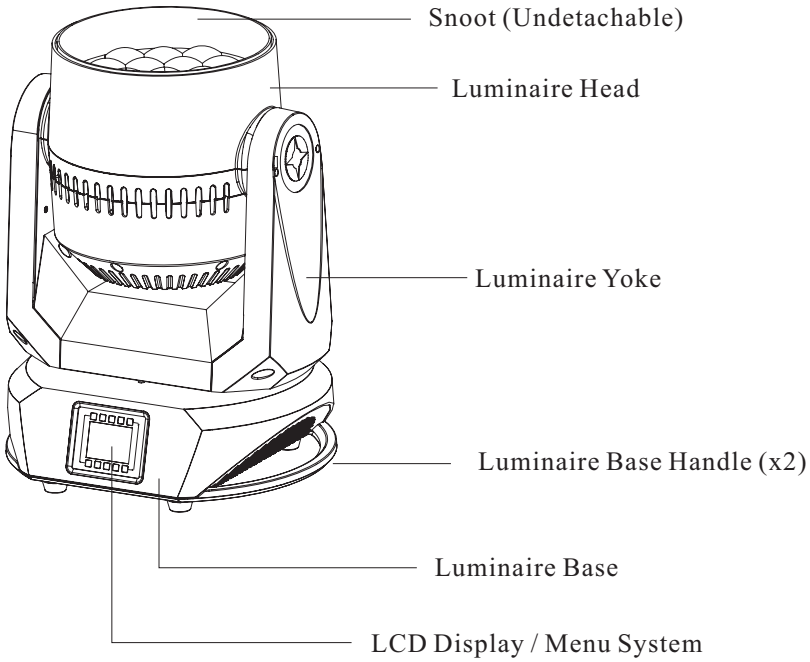
SL BEAM 500 FX LED Luminaire Accessories

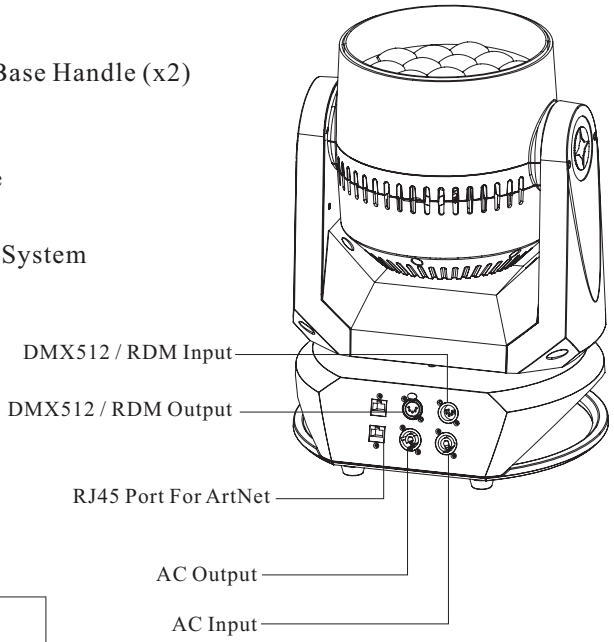
Part Number	Description
MC	Mega Claw, Black, Anodized
SC	Molded Yoke C-Clamp
HC	Light Weight Half Coupler
82003	Safety Cable

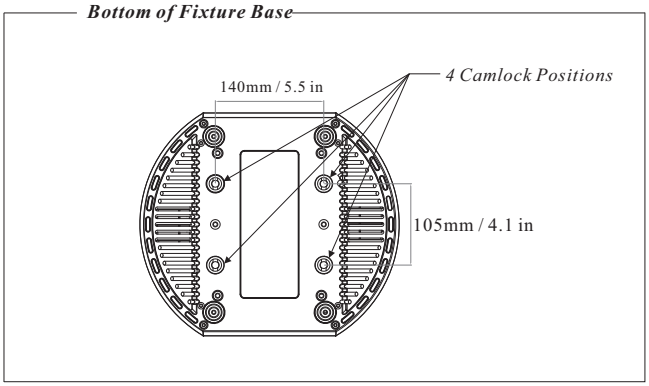
SL BEAM 500 FX LED LUMINAIRES OVERVIEW

1. SL BEAM 500 FX LED Luminaire Components

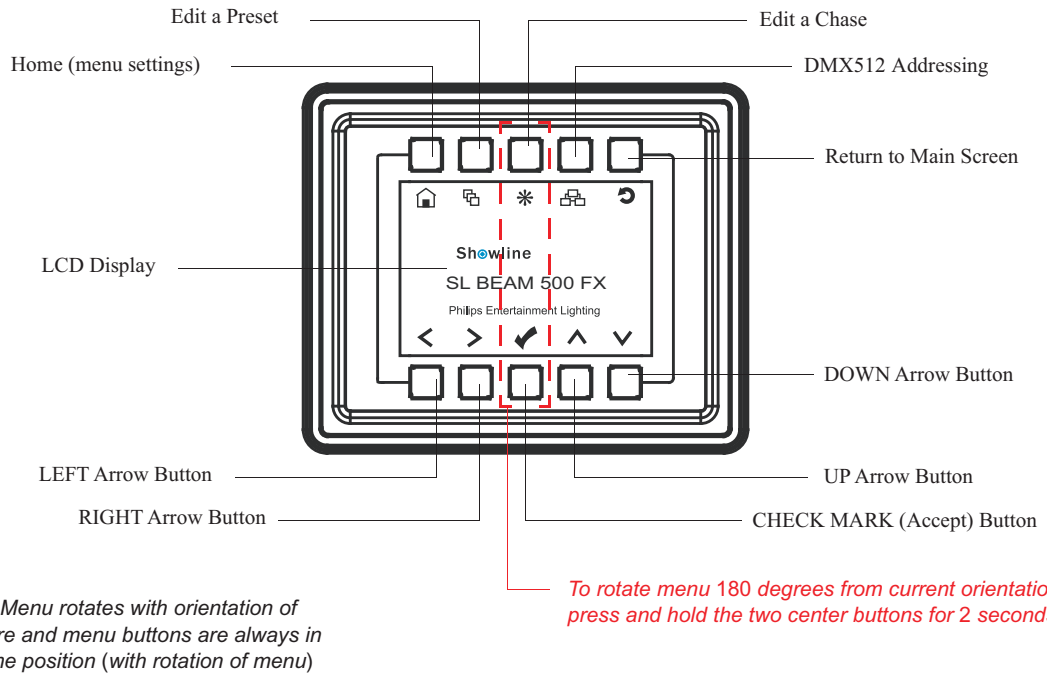
Major Luminaire Components







2. LCD Display / Menu System



NOTE: *Menu rotates with orientation of luminaire and menu buttons are always in the same position (with rotation of menu)*

Figure 2: LCD Display & Menu System

Note: For Menu operation and programming details, refer to "LCD Display and Menu System" on page 9.

INSTALLATION AND SET UP

1. Power Requirements

The SL BEAM 500 FX LED Luminaries operate on AC input voltages from 100 to 240 VAC.

WARNING! SL BEAM 500 FX LED Luminaires do not contain an ON/OFF switch. Always disconnect power input cable to completely remove power from the luminaire when not in use.

AC Power Operation

When connected to an AC source, the luminaire operates on 100 to 240 volts AC (+/- 10%, auto-ranging). The luminaire contains an auto-ranging power supply. Each luminaire can draw up to 1000 Watts.

Note: For wiring of AC input connector, refer to "Connecting SL BEAM 500 FX LED Luminaires to AC Power" on page 7.

Table 1: SL BEAM 500 FX LED Luminaire Voltage (VAC) vs. Current*

Voltage (AC)	Total Current(A)
100	10.0
110	9.09
120	8.33
130	7.69
140	7.14
150	6.67
160	6.25
170	5.88

Voltage (AC)	Total Current(A)
180	5.55
190	5.26
200	5.00
210	4.76
220	4.55
230	4.35
240	4.17

WARNING! *These figures are based on the Maximum Allowable Input Current of 15 Amps (and the maximum power supply limit of 1000 Watts for each connected unit). ***Do not overload circuits!***

IMPORTANT AC POWER CONNECTION NOTE:

a. When using the daisy-chain connection method, ONLY connect SL BEAM 500 FX LED Luminaires to AC Output Connection of SL BEAM 500 FX LED Luminaires. ***DO NOT CONNECT OTHER TYPES OF LUMINAIRES OR DEVICES!***
b. Use only use approved cable types.
c. Do not overload circuits!
d. Do not connect SL BEAM 500 FX LED Luminaires to dimmed circuits.
e. The MAXIMUM allowable number of SL BEAM 500 FX LED Luminaires which can be "daisy-chained" on one power feed are listed in Table 1, above. ***DO NOT EXCEED!***

2. Connecting Power

Luminaires can be powered in one of two ways:

- Direct connection to a AC power source using an AC input cable. For wiring of AC input connector, refer to "Connecting SL BEAM 500 FX LED Luminaires to AC Power" below.

Connecting SL BEAM 500 FX LED Luminaires to AC Power

If the luminaire is supplied with an AC input cable but you did not order an AC input connector, Table 2 describes how to connect power to your SL BEAM 500 FX LED Luminaire. Field wiring of the SL BEAM 500 FX LED Luminaire is straightforward. A total of 3 wires/conductors need to be brought to the luminaire. The following wiring scheme is required:

Table 2: SL BEAM 500 FX LED Luminaire (IP20 Rated Models) AC Input Connections

Wire Color	Purpose
Brown	Main/Line(100 to 240VAC)
Blue	Neutral
Green/Yellow	Ground (Earth)

CAUTION: In the event the AC input cable of this luminaire is damaged, it must be replaced, with an approved cable through an Authorized Showline Dealer or Service Center.

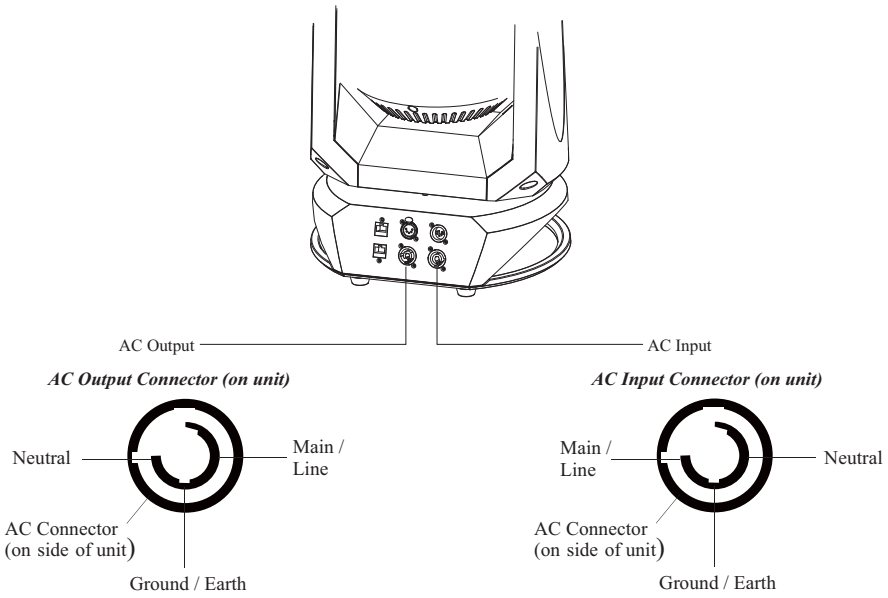


Figure 3: SL BEAM 500 FX LED Luminaire AC Input & Output Connections

3. Connecting to the DMX512 Network

Basic DMX512 installation consists of connecting multiple SL BEAM 500 FX LED Luminaires together (up to 32 luminaires) in "daisy-chain" fashion. A cable runs from the control console (or DMX512 control source) to the DMX connector on the first SL BEAM 500 FX LED Luminaire. Another cable runs from the other DMX connector on the first unit to a DMX connector on the next SL BEAM 500 FX LED Luminaire (or DMX512 device to be controlled).

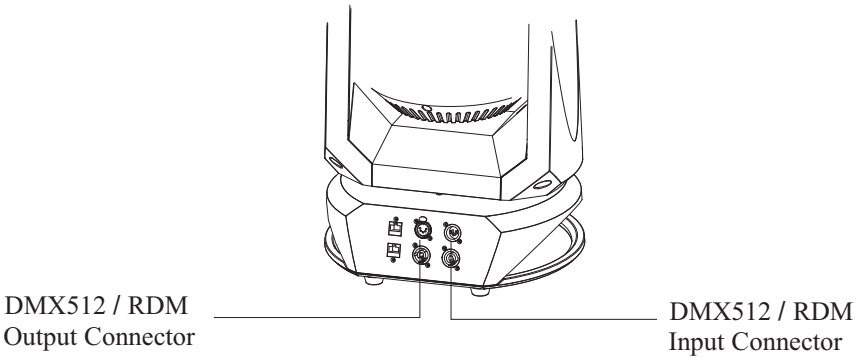
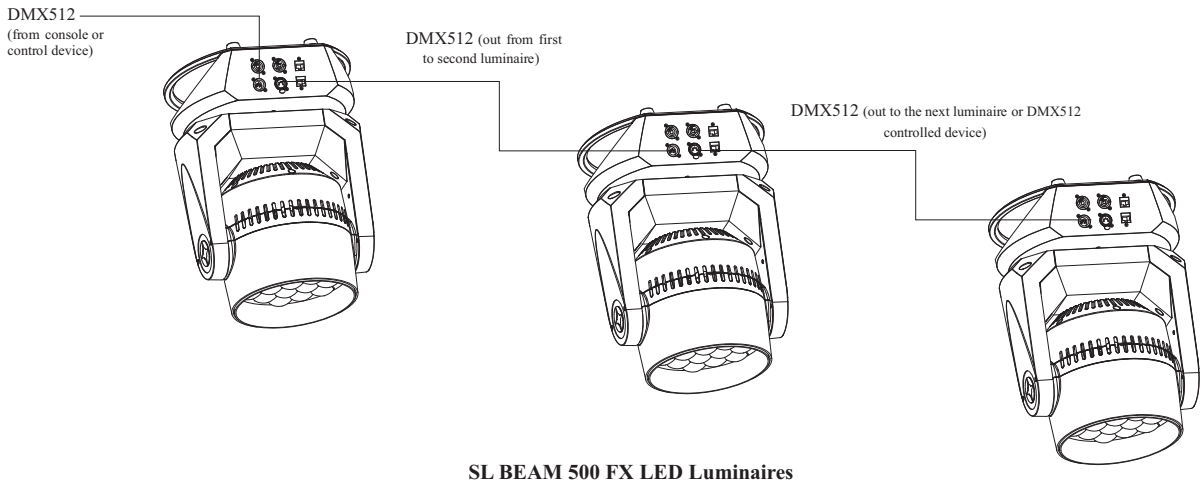


Figure 4: SL BEAM 500 FX LED Luminaire DMX512 Input / Output Connections

Note: For more information on DMX512 networking and systems, refer to "Additional Resources for DMX512" on page 1. For SL BEAM 500 FX LED Luminaire DMX Mapping, refer to "DMX CONTROL" on page 20.



DMX512 Conections

DMX512 Signal	XLR Pin
Common (Drain)	1
DMX512-	2
DMX512+	3

Note: Remaining pins on each connector are not used.

Figure 5: SL BEAM 500 FX LED Luminaire - DMX512 Connections

4. Mounting Luminaire

The SL BEAM 500 FX LED Luminaires are provided with the ability to hang via truss hooks, clamps, etc. (sold separately) or floor mounted (sitting on fixture base). Securely attach a hook, clamp, etc, to each Omega Mount (two supplied with luminaire). Attach the Omega Mounts to the luminaire base as illustrated in Figure 6 via the Camlocks.

It is recommended (and may be required by local and national safety codes) to use and install a safety cable (sold separately).

Whether hanging the fixture or free-standing on its base, be sure to leave enough space around the luminaire to allow proper, uninterrupted airflow for cooling and fixture head movement.

Note: Mounting hooks, clamps, safety cables, etc. are sold separately or by others. For mounting accessories available for this product, refer to "Accessories" on page 3.

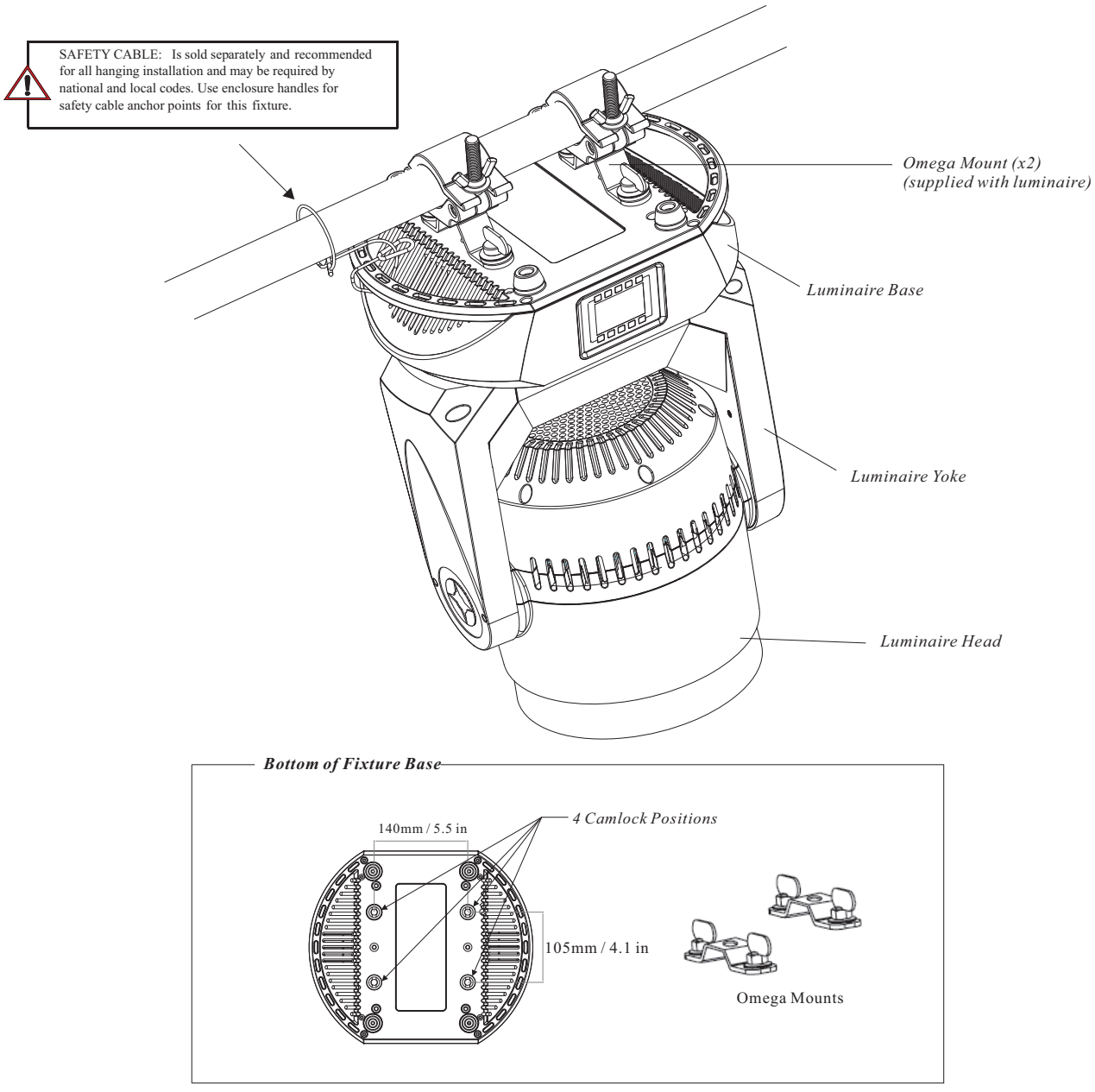


Figure 6: Mounting the Fixture - Hanging Applications

OPERATION AND PROGRAMMING

1. LCD Display and Menu System

SL BEAM 500 FX LED Luminaires

The SL BEAM 500 FX LED Luminaire's LCD Display and Menu System provides local control for accessing the following fixture's settings:

- Presets (Standard and User Defined)
- Color Filter
- Effects (Chases - preloaded and user defined)
- Strobe / Timing
- Settings
- Lock Fixture (to prevent changes)
- Password
- Status

Note: If there are multiple luminaires in a system, changes would need to be made at each LCD Menu as desired.

Upon power up, the LCD will display the main screen showing the product type/name. If DMX is enabled, the programmed address will appear after power up.

2. LCD Display and Menu System Operation

The LCD Display Menu system consists of several categories. Use the Menu Buttons to access and make changes to the menu items. When the desired menu item is reached, press the desired Menu Button to display the menu options and to navigate and configure the menu options as required.

To navigate and access menu settings/selections:

Step 1. Make sure unit is powered and turned on.

Step 2. Press the desired button (as shown in **Figure 7**) to access menu categories.

Step 3. Use UP | DOWN | LEFT | RIGHT arrow buttons to navigate through the various options and settings.

Step 4. Make changes as desired.

Press CHECK MARK (OK) button to accept changes.

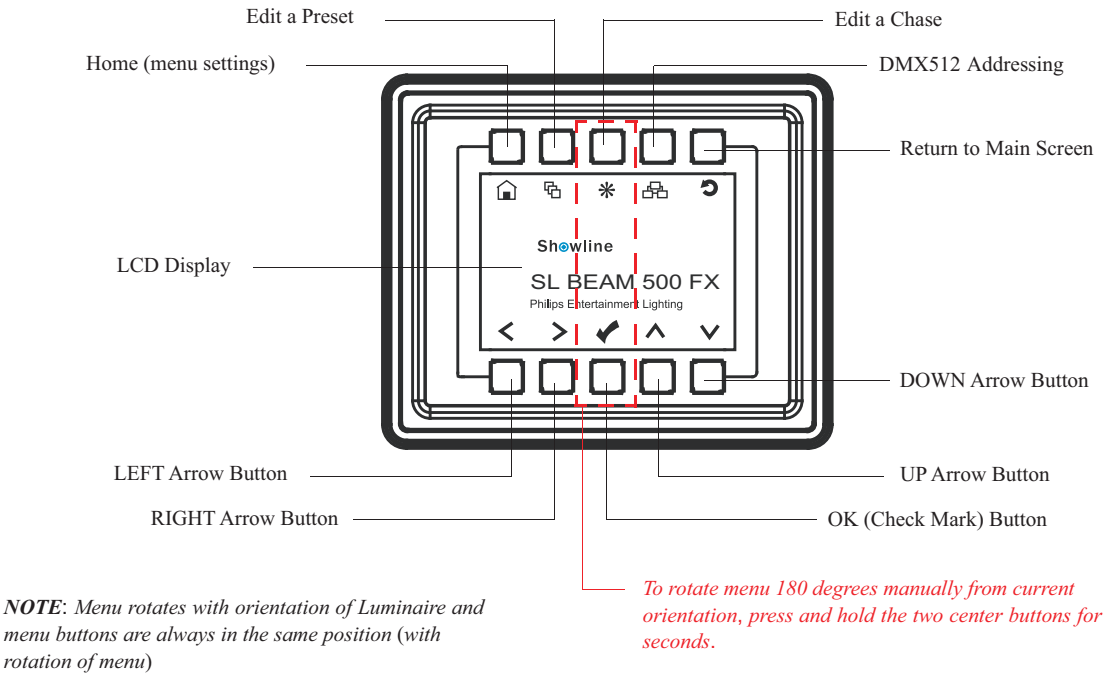


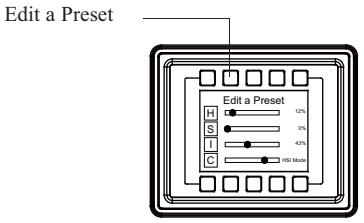
Figure 7: LCD Display and Menu System

3. SL BEAM 500 FX LED Luminaire Main Menu Options

Preset

Presets are stored values of the luminaire's LED settings that can be recalled via the menu system or DMX. You can customize up to 31 presets via the menu system.

Recalling or Editing Presets



To recall or edit presets

Step 1. Select Preset from the main menu or from the preset shortcut key.

Step 2. The top left field indicates the current preset or Off, when this field is selected (highlighted in blue), use the left and right buttons to scroll through all presets.

Step 3. If you wish to edit the preset, use the Up and Down keys to scroll through the parameters. Once a parameter is selected, use the left and right arrow buttons to make adjustments.

Notes:

- If security features are enabled, the Up and Down arrows will have no effect. See "Settings/Security" on page 15.
- Depending on the DMX map set assigned the DMX menu, different either RGBW or HSIC parameters will be available.

Step 4. Once all values are adjusted as desired, press the Check Mark button to save the preset.

Step 5. The Save Preset Menu option will appear. Use the left and right arrow buttons to select the preset number to save to.

Note: This function allows you to save your current edits to a different preset number than you began editing. This is helpful to create copies of existing presets.

Step 6. Press the Check Mark button to save the preset. You will be asked to confirm your saving operation.

Step 7. The preset is now saved and can be recalled via the menu or DMX.

Color Filter

Color filters are 43 factory made colors that utilize the Harmonize Color Calibration system (refer to "Harmonize Color Calibration" on page 19 for more information). They can be recalled via the menu system or DMX.

To recall a color filter from the menu:

Step 1. Select Color Filter from the main menu.

Step 2. The top indicates the current color filter or Off, when this field is selected (highlighted in blue), use the left and right buttons to scroll through all color filters.

Step 3. Use the Up and Down arrow keys to toggle to the Master Intensity field. use the Left and Right arrow keys to adjust the Master Intensity.

Step 4. The menu will display a graphical indication of the color along with the color name.

Note: The color filter will remain ON until you select a preset, chase, other color filter or send the unit DMX.

Effects

Effects are chases stored values of the luminaire's LED settings that can be recalled via the menu system or DMX. There are 10 factory defined chases and eight user adjustable chases. You can adjust the master intensity, speed, and fade values for any of the 18 chases.

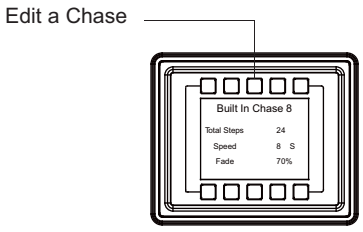
Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the different general fixture settings. When finished, press the Check button to exit the menu level. The adjustable parameters are described in Table 3.

Table 3: Effects parameters

Parameter	Description
User Chase / Built-in Chase	Select from the 18 different chases.
Master Intensity	Ajust the master intensity for ALL chases.
Select Pattern	Select a specific Pattern from all 13 patterns
Speed	The total time each step of the chase will be recalled.
Fade	The percentage of the time assigned by the speed that is crossfaded between steps.

Editing User Chases

Eight User chases can be further customized to create different effects on the fixture. To edit a User Chase, first use the up and down arrows to scroll to the Edit User Chase field and then press the Check Mark button. The Edit User Chase window will be displayed:



Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the different general fixture settings. When finished, press the Check button to exit the menu level. The adjustable parameters are described in Table 4.

Table 4: User Chase parameters

Parameter	Description
User Chase	Select which chase you wish to edit.
Total Steps	Displays the total steps used by the chase. This field is not editable.
Edit Step	Select a step to edit with the left right arrow buttons. Press the Check Mark button to edit the step. (see To edit and save a Step)
New Step	Add a step to the end of the chase. Press the Check Mark button to edit the new step (see To edit and save a Step)
Delete Step	Delete the currently selected step in the Edit Step field. Press the Check mark button to delete the current step.
Rainbow	Press the Check mark button to display the Rainbow Chase editor.

To edit and save a Step:

Step 1. Select Edit Step or New Step from the Edit User Chase menu.

Step 2. The top left field indicates the preset or color filter to be used for the step. When set to OFF no preset or color filter is to be used. Use LEFT and RIGHT buttons to scroll through all presets and color filters.

Step 3. Use the Up and Down keys to scroll through the output parameters. Once a parameter is selected, use the left and right arrow buttons to make adjustments.

Notes:

- If security features are enabled, the Up and Down arrows will have no effect. See "Settings/Security" on page 13.
- Fixtures with multiple pixel control include a parameter titled "Pixel" that allows you to independently adjust the output of each individual pixel or the entire fixture.
- Depending on the DMX map set assigned the DMX menu, different either RGBW or HSIC parameters will be available.

Step 4. Once all values are adjusted as desired, press the Check Mark button to return to the Edit User Chase screen.

Step 5. Continue editing steps as needed. When complete, press the Return to Main Menu button or up one level (as shown to the right). to exit the Edit User Chase window.

Return to Main Menu Button

Step 6. The user chase is now saved and can be recalled via the menu or DMX.

Edit Rainbow:

An additional option in the Edit User Chase options is to have the fixture generate a multi-colored chase using different pixels from the fixture. When you select Rainbow from the Edit Step window the Edit Rainbow window will display the following options.

Table 5: Edit Rainbow parameters

Parameter	Description
Direction	Select either right or left to define the direction the rainbow effect runs.
Mode	Select from Mode 1 / Mode 2.
Number of Color	Select the number of colors used in the rainbow effect. (37 colors available in total)
Current Color	Will display the values of the current color selected. Press the Check Mark button to edit the selected color.

Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the settings. When finished, press the Check button to exit the menu level.

The bottom of the Edit Rainbow window displays a graphical representation of the current rainbow effect. When finished editing the Rainbow, press the Main Menu button (as shown to the right). You will be asked to confirm that you wish to save the rainbow. Select Yes to save and return to the Edit a Chase window.

Return to Main Menu Button

Strobe/Timing

The Strobe/Timing menu allows you to assign strobe and timing values from the menu system. These settings are instantly applied to any active Preset, Color filter, or Chase.

Use the Up and Down buttons to select parameters and the Left and Right buttons to adjust the currently selected parameters. The adjustable parameters are described in Table 6 on page 13.

Table 6: Strobe/Timing Parameters

Parameter	Description
Master Intensity	Overall fixture output intensity level.
Strobe: X	Strobe mode and rate value settings following DMX map (see DMX CONTROL for details).
Duration	The time each strobe flash remains ON.
RotateMode	The way how the fixture will rotate.
Stop/CW/CCW	The exact position for the INDEX from Rotate Mode (0-255)

Settings/Security

All Showline fixtures have a multiple level locking feature. This allows you to configure the fixture and allow different menu access to multiple users. The menu system can be lock instantly or assigned to power on to a particular lock level. You can assign three different 4-digit PIN(personal identification number) codes to each unlock specific levels of functionality within the menu system.

Anytime the fixture is locked, each PIN code will unlock all functions except the pertaining features assigned via the security level.

Note: The Level 3 PIN will always unlock all functions.

Table 7: Security Lock Levels

Lock Level	Menu Functions Affected
Level 1	Edit Presets, Edit Chases, and Settings Menu
Level 2	Settings Menu
Level 3	All

Use the Up and Down buttons to select security PIN codes. Press the Check button and then use Left and Right and Up Down buttons to assign the pin code. Press the Check button to save the new PIN code.

The Power-Up Level parameters assigns a lock level to the fixture when power is applied. use the Up and Down buttons to select the Power-Up Level, and then use the Left and Right buttons to select the Power-up Level option.

Table 8: PIN Level Parameters

Parameter	Description
Enter Pass PIN	Enter a PIN code matching the level codes assigned in the Settings/Security menu to toggle the current security level.
Level 1 PIN	Edit the PIN code used to toggle the Level 1 security.
Level 2 PIN	Edit the PIN code used to toggle the Level 2 security.
Level 3 PIN	Edit the PIN code used to toggle the Level 3 security.
Power-up Level	Select the security level to default to when the fixture is powered ON. . Disable PIN will disable all security functions. . Lock will lock all functions.

Settings/General

Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the different general fixture settings. When finished, press the Check button to exit the menu level. The adjustable parameters are described in Table 9.

Table 9: General Level Parameters

Parameter	Description
Power-Up	Select the action of the fixture when the unit is powered ON. You can select from Off, Last Set, Color filters, presets, and chases.
Dim Response	Select Normal or Incandescent dimming response. • Normal: Fixture LEDs dim with a normal response. • Incandescent: Fixture LED's dim with an incandescent emulation response. The response to dimming commands will be slightly delayed at lower intensities.
Dimming Curve	Select one of four dimming curve choices (see Dimming Curve Selection for more information).
Calibration	Toggle Harmonize Color Calibration on or off (see Harmonize Color Calibration for more information).
Fan Control	Select Auto or Off fan operation (see DMX CONTROL for more information).

Settings/Factory Default

Factory default menu settings can be recalled through this menu option. You can select if you wish to overwrite the user edited presets and chases.

Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the different settings. When finished, press the Check button to exit the menu level. The adjustable parameters are described in Table 10.

Table 10: Facotry Default Parameters

Parameter	Description
Protected	• No - all menu items are able to be restored to factory defaults. • Preset & Chase - user edited Presets and Chases are not able to be restored to factory defaults.
Load Factory	• No - no action. • Yes - restored to factory default menu settings.
Service	To turn ON/OFF the feedback.

Settings/DMX

DMX configuration options are available in the DMX menu.

Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the fixture's DMX settings. When finished, press the Check button to exit the menu level. The adjustable parameters are described in Table 11.

Table 11: DMX Setting Parameters

Parameter	Description
DMX Enable	• Enable - Fixture will respond to DMX commands/signals. • disable - Fixture will ignore DMX commands/signals.
Address	Assigns the fixture's DMX start address.
Map	Select the DMX map for the fixture to use (see DMX CONTROL section for more information).
When no DMX	Selects the action of the fixture when the unit is powered ON and not receiving DMX • Off - Turn off all LED output. • Last Action - restore the last menu action. • Power-up - follow the power-up value in the settings menu. • Hold - continue with the last DMX values received.
LED Group	Select the number of LED groups to control via DMX (see DMX CONTROL section for more information).
Pan/Tilt Setting	Set the parameters for Pan/Tilt

Settings/ArtNet Settings

Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the different general fixture settings. When finished, press the Check button to exit the menu level. The adjustable parameters are described in Table 12.

Table 12: ArtNET Parameters

Parameter	Description
IP Address	Set the IP address for the fixture.
Net	Select a Net number from 0-255
Sub-Net	Select a Sub-Net number from 0-15
Universe	Select a Universe number from 0-15.
Protocol Priority	• DMX > ArtNET - DMX will run first priority. • ArtNET > DMX ArtNET - ArtNET will run first priority.

Settings / Display

Options of the fixture's LCD display can be adjusted in the Display menu.

Use the Up and Down buttons to select parameters and the Left and Right buttons to assign the fixture's DMX settings. When finished, press the Check button to exit the menu level. The adjustable parameters are described in Table 13.

Table 13: LCD Display Parameters

Parameter	Description
Flip Display	• Yes - The display will be inverted. • No - The display will not be inverted. • Auto - The display will automatically invert depending upon fixture orientation.
Off Time	Assign a time for the display to automatically turn off after the last button press. A value of ON will leave the display on indefinitely.
Language Selected	English is the only language supported.

Lock Fixture

You can lock all fixture functions, requiring a PIN code to access the menu functions. When you select this menu item, you are asked to confirm that you wish to lock the fixture. Once locked, all menu items can only be accessed by entering one of the three PIN codes assigned in the Settings/Security menu. (see " Settings/Security" on page 15 for more information). The PIN code used to unlock the fixture will only unlock the functionality assigned to that particular PIN code.

Note: When the fixture is powered off, the Lock fixture function will be disabled. To assign fixture power-up security refer to (see " Settings/Security" on page 13 for more information).

Password (PassPIN)

The Password menu item will display an Enter PassPIN dialog box. Use the Up Down Left Right buttons to enter a PIN code matching the codes assigned in the Settings/Security menu to toggle the current security level.

Status

The Status screen displays the current value of the master intensity and each LED of the luminaires. The number of pixels will vary depending upon fixture type. The Up Down Left Right arrows to scroll through the different LEDs and view their levels.

- The last Status item displayed shows the RDM UID and current Firmware Version
- Press the Check Mark button to exit the Status screen.

Quick Selection Buttons

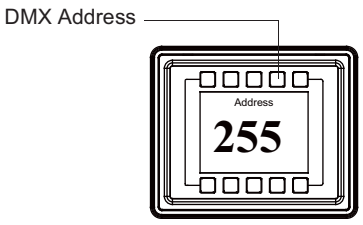
The Showline menu system includes four quick selection buttons on the top of the menu. These keys provide direct access to common functions and act as shortcut to main menu items as described in Table 14

Table 14: General Level Parameters

Quick select Button	Description
	Main Menu Refer to Settings/General for more information.
	Edit a Preset Refer to Recalling or Editing Presets for more information.
	Effects / Edit a Chase Refer to Effects and Editing User Chases for more information.
	DMX Start Address Refer to DMX Address for more information.
	Return to Main Menu / Return Up a Menu Item

DMX Address

You can display and edit the current DMX start address for the fixture by pressing the Quick Select button on the top of the menu system (as shown right). The current DMX start address will be display in large digits.



To edit the DMX start address:

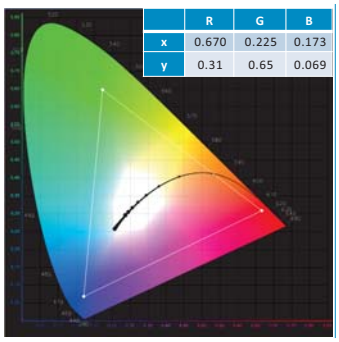
Step 1. Press the Check Mark button to begin the DMX start address editing. The last digit will change to a blue color.

Step 2. use the UP and Down arrows to change the value of the currently selected digit.

Step 3. Use the Left and Right arrows to select another digit to adjust.

Step 4. Press the Check Mark button to save the new DMX Start Address.

4. Harmonize Color Calibration



Harmonize is a proprietary, advanced LED color matching system, consisting of 3 correction modules: RGB, RGBW and Cool White/Warm White. Every Showline fixture undergoes rigorous testing to provide you with consistent control of color and intensity as well as output of the highest quality.

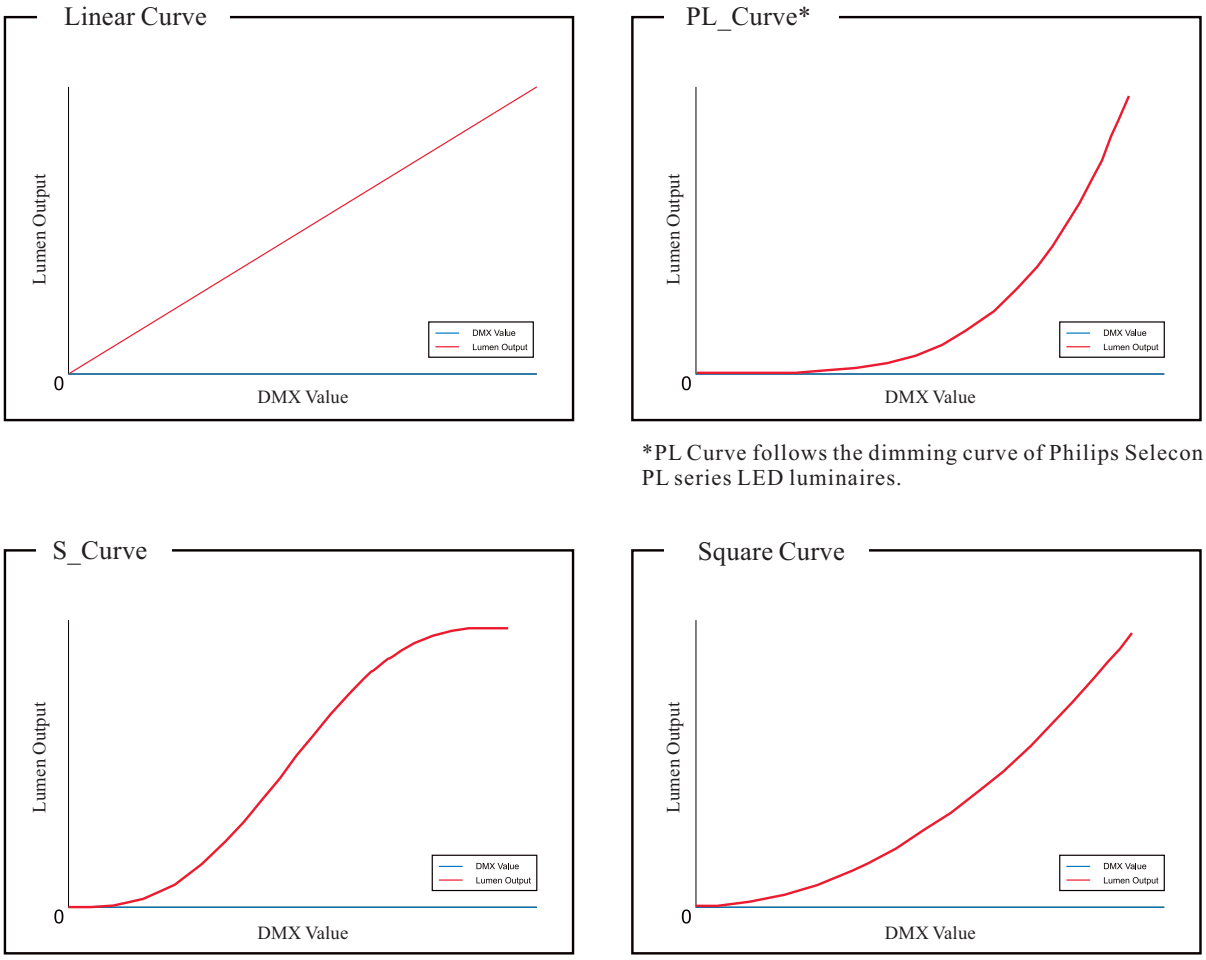
When enabled either via DMX or the fixture's menu, the Harmonize technoloy will ensure that colors match from fixture-to-fixture and pixel-to- pixel.

As the Harmonize system matches Showline products, they will all operate in the same color space. Use the Harmonize system when perfect color matching is an essential requirement.

5. Dimming Curve Selection

Through the menu, you are able to select one of four dimming curves:

- Linear Curve
- PL_Curve
- S_Curve
- Square Curve



*PL Curve follows the dimming curve of Philips Selecon PL series LED luminaires.

Figure 8: SL BEAM 500 FX LED Luminaire Dimmer Curves

6. Master / Slave Operational Mode

The Master / Slave Operational Mode allows one SL BEAM 500 FX LED Luminaire to act as the "Master" unit and all other connected units are controlled by this unit. When a unit is set to "Slave" mode, it will only listen to and follow any commands sent from a "Master" unit. Only one "Master" unit is allowed in this type of operation.

To setup a master / slave network:

Step 1. Set the first device in the DMX512 chain to Master Mode through the unit's menu system.

Step 2. Set all other connected units to Slave Mode.

Step 3 The master unit can be controlled via DMX512, RDM or through standalone operation (self-contained network utilizing on-board effects). The slave units will mimic the master unit's operation in all cases.

Note: For more information on DMX512 networking and systems, refer to "Additional Resources for DMX512" on page 1. For SL BEAM 500 FX LED Luminaire DMX Mapping, refer to "DMX CONTROL" on page 19.

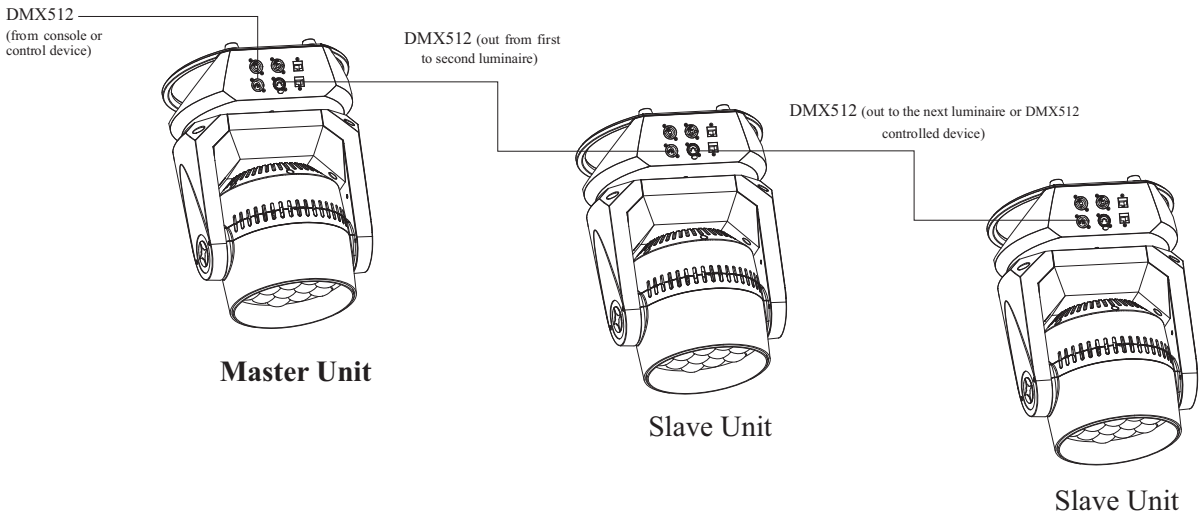


Figure 9: SL BEAM 500 FX LED Luminaire - Master / Slave Configuration

DMX CONTROL

This section contains information for operating the luminaire using DMX control in Simple 8-bit, RGBW 8-bit, RGBW 16-bit, HSIC (Hue, Saturation, Intensity and Color Correction) or Pattern modes. For Menu options and detailed information, see "LCD Display and Menu System" on page 6.

Note: These tables assume a DMX start address of 1. When a different starting address is used, this address becomes channel 1 function and other functions follow in sequence.

1. SL BEAM 500 FX LED Luminaire DMX Mapping

Simple 8-Bit Mode

Table 15 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is in simple 8-bit DMX512 mode (as set by the luminaire's menu system).

Table 15: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (Simple 8 - Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
1	Pan	0-255	0-100%	128	8-bit control of Pan
2	Tilt	0-255	0-100%	128	8-bit control of Tilt
3	Master Intensity	0-255	0-100%	0	8-bit control of Intensity of LED settings
4	Strobe	0-255	0-100%	0	Controls strobe operations as follows: Open DMX 0-2 Closed DMX 3-5 Slow Rand DMX 6-7 Med Rand DMX 8-10 Fast Rand DMX 11-12 Strobe Range DMX 13-127(fastest) Pulse + Slow Rand DMX 128-129 Pulse + Med Rand DMX 130-131 Pulse + Fast Rand DMX 132-133 Pulse + Range DMX 134-191 Pulse - Slow Rand DMX 192-193 Pulse - Med Rand DMX 194-195 Pulse - Fast Rand DMX 196-197 Pulse - Range DMX 198-255
5	Zoom	0-255	0-100%	0	Variable control of zoom from 55°- 5°.
6	Rotate Mode	0-255	0-100%	0	(Disabled – when Zoom Channel DMX < 200) 0-5% =DMX 0-14 OFF (Action same as Home) 6%-36% =DMX 15-93 Spin Mode 37%-67% =DMX 94-172 Index Mode 68%-100% =DMX 173-225 Reserved for future use
7	Position/Speed	0-255	0-100%	127	(Disabled – when Zoom Channel DMX < 200) Spin Mode: 49%-51% Home 52% - 100%: Spin Speed Clockwise 48% - 0 : Spin Speed Counter Clockwise Index Mode: 49% - 51% Home 0 Degree 52%-100% Index Clockwise Home 0 degree to +180 degrees 48% - 0 Spin Index Counter Clockwise Home 0-180degrees
8	Control	0-255	0-100%	0	Set control channel value to desired action, hold value for at least 5 seconds, then turn to 0. Set control channel value to 0 without any scaling. Default Setting on Console =DMX 0-4 DIM Response_Normal =DMX 5-9 DIM Response_Incandescent =DMX 10-14 Dimming Curve_linear =DMX 30-34 Dimming Curve_Square =DMX 35-39 Dimming Curve_S-Curve =DMX 40-44 Diming Curve_PL-Curve =DMX 45-49 Calibration_OFF =DMX 70-74 Calibration_ON =DMX 75-79 Fan_Auto =DMX 80-84 Fan_Off =DMX 85-89 Reserved(Future Use) =DMX 90-250
9	Red 1-37	0-255	0-100%	0	8 bit control of Red LEDs from 0 to full.
10	Green 1-37	0-255	0-100%	0	8 bit control of Green LEDs from 0 to full.
11	Blue 1-37	0-255	0-100%	0	8 bit control of Blue LEDs from 0 to full.
12	White 1-37	0-255	0-100%	0	8 bit control of White LEDs from 0 to full.

Simple 8-Bit Group Modes

Table 16 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is operated in various Simple 8-bit DMX512 Group Control Modes.

Table 16: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (Simple 8-Bit Group Modes)

Simple 8 bit mode		
DMX CHANNEL	19 Group Mode	1 Group Mode
1	Pan	Pan
2	Tilt	Tilt
3	Master Intensity	Master Intensity
4	Strobe	Strobe
5	Zoom	Zoom
6	Rotate Mode	Rotate Mode
7	Position/Speed	Position/Speed
8	Control	Control
9	Red_1	Red_1-37
10	Green_1	Green_37
11	Blue_1	Blue1_37
12	White_1	White1_37
13	Red_2	
14	Green_2	
15	Blue_2	
16	White_2	
17	Red_3	
18	Green_3	
19	Blue_3	
20	White_3	
21	Red_4	
22	Green_4	
23	Blue_4	
24	White_4	
25	Red_5	
26	Green_5	
27	Blue_5	
28	White_5	
29	Red_6	
30	Green_6	
31	Blue_6	
32	White_6	
33	Red_7	
34	Green_7	
35	Blue_7	
36	White_7	
37	Red_8	
38	Green_8	
39	Blue_8	
40	White_8	
41	Red_9	
42	Green_9	
43	Blue_9	
44	White_9	
45	Red_10	
46	Green_10	
47	Blue_10	
48	White_10	
49	Red_11	
50	Green_11	
51	Blue_11	
52	White_11	
53	Red_12	
54	Green_12	
55	Blue_12	
56	White_12	
57	Red_13	
58	Green_13	
59	Blue_13	
60	White_13	
61	Red_14	
62	Green_14	
63	Blue_14	
64	White_14	
65	Red_15	
66	Green_15	
67	Blue_15	
68	White_15	
69	Red_16	
70	Green_16	
71	Blue_16	
72	White_16	
73	Red_17	
74	Green_17	
75	Blue_17	
76	White_17	
77	Red_18	
78	Green_18	
79	Blue_18	
80	White_18	
81	Red_19	
82	Green_19	
83	Blue_19	
84	White_19	
85	Red_20	
86	Green_20	
87	Blue_20	
88	White_20	
89	Red_21	
90	Green_21	
91	Blue_21	
92	White_21	
93	Red_22	
94	Green_22	
95	Blue_22	
96	White_22	
97	Red_23	
98	Green_23	
99	Blue_23	
100	White_23	
101	Red_24	
102	Green_24	
103	Blue_24	
104	White_24	
105	Red_25	
106	Green_25	
107	Blue_25	
108	White_25	
109	Red_26	
110	Green_26	
111	Blue_26	
112	White_26	
113	Red_27	
114	Green_27	
115	Blue_27	
116	White_27	
117	Red_28	
118	Green_28	
119	Blue_28	
120	White_28	
121	Red_29	
122	Green_29	
123	Blue_29	
124	White_29	
125	Red_30	
126	Green_30	
127	Blue_30	
128	White_30	
129	Red_31	
130	Green_31	
131	Blue_31	
132	White_31	
133	Red_32	
134	Green_32	
135	Blue_32	
136	White_32	
137	Red_33	
138	Green_33	
139	Blue_33	
140	White_33	
141	Red_34	
142	Green_34	
143	Blue_34	
144	White_34	
145	Red_35	
146	Green_35	
147	Blue_35	
148	White_35	
149	Red_36	
150	Green_36	
151	Blue_36	
152	White_36	
153	Red_37	
154	Green_37	
155	Blue_37	
156	White_37	

RGBW 8 - Bit Mode

Table 17 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is in RGBW 8-Bit DMX512 mode (as set by the luminaire's menu system).

Table 17: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 8-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
1	Pan	0-255	0-100%	128	8-bit control of Pan
2	Tilt	0-255	0-100%	128	8-bit control of Tilt
3	Master Intensity - High	0-255	0-100%	0	8-bit control for Intensity of LED settings.
4	Color Presets	0-255	0-100%	0	Variable color Presets as follows . . . Channel OFF (disabled) DMX 0 - 4 Preset 0 (OFF) DMX 5 - 6 Preset 1 DMX 7 - 8 Preset 2 DMX 9 - 10 Preset 3 DMX 11 - 12 Preset 4 DMX 13 - 14 Preset 5 DMX 15 - 16 Preset 6 DMX 17 - 18 Preset 7 DMX 19 - 20 Preset 8 DMX 21 - 22 Preset 9 DMX 23 - 24 Preset 10 DMX 25 - 26 Preset 11 DMX 27 - 28 Preset 12 DMX 29 - 30 Preset 13 DMX 31 - 32 Preset 14 DMX 33 - 34 Preset 15 DMX 35 - 36 Preset 16 DMX 37 - 38 Preset 17 DMX 39 - 40 Preset 18 DMX 41 - 42 Preset 19 DMX 43 - 44 Preset 20 DMX 45 - 46 Preset 21 DMX 47 - 48 Preset 22 DMX 49 - 50 Preset 23 DMX 51 - 52 Preset 24 DMX 53 - 54 Preset 25 DMX 55 - 56 Preset 26 DMX 57 - 58 Preset 27 DMX 59 - 60 Preset 28 DMX 61 - 62 Preset 29 DMX 63 - 64 Preset 30 DMX 65 - 66 Preset 31 DMX 67 - 68 CF_0_Color OFF DMX 69 - 70 CF_1_White 10000K DMX 71 - 72 CF_2_White 8000K DMX 73 - 74 CF_3_White 6500K DMX 75 - 76 CF_4_White 5600K DMX 77 - 78 CF_5_White 5000K DMX 79 - 80 CF_6_White 4500K DMX 81 - 82 CF_7_White 4000K DMX 83 - 84 CF_8_White 3200K DMX 85 - 86 CF_9_White 3000K DMX 87 - 88 CF_10_White 2700K DMX 89 - 90

Table 17: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 8-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description	
4	Color Presets	0 - 255	0 - 100%	0	CF_11_Moroccan Pink	DMX 91 - 92
					CF_12_Pink	DMX 93 - 94
					CF_13_Flesh Pink	DMX 95 - 96
					CF_14_Bright Rose	DMX 97 - 98
					CF_15_Follies Pink	DMX 99 - 100
					CF_16_Fuchsia Pink	DMX 101 - 102
					CF_17_Surprise Pink	DMX 103 - 104
					CF_18_Congo Blue	DMX 105 - 106
					CF_19_Blue	DMX 107 - 108
					CF_20_Virgin Blue	DMX 109 - 110
					CF_21_Midnight Maya	DMX 111 - 112
					CF_22_Double C.T Blue	DMX 113-114
					CF_23_Slate Blue	DMX 115 - 116
					CF_24_Regal Blue	DMX 117 - 118
					CF_25_Full C.T Blue	DMX 119-120
					CF_26_Steel Blue	DMX 121 - 122
					CF_27_Lighter Blue	DMX 123 - 124
					CF_28_Cyan	DMX 125 - 126
					CF_29_Marine Blue	DMX 127 - 128
					CF_30_Soft Green	DMX 129 - 130
					CF_31_Moss Green	DMX 131 - 132
					CF_32_Green	DMX 133 - 134
					CF_33_Fem Green	DMX 135 - 136
					CF_34_JAS Green	DMX 137 - 138
					CF_35_Pale Green	DMX 139 - 140
					CF_36_Spring Yellow	DMX 141 - 142
					CF_37_Yellow	DMX 143 - 144
					CF_38_Deep Amber	DMX 145 - 146
					CF_39_Chrome Orange	DMX 147 - 148
					CF_40_Orange	DMX 149 - 150
					CF_41_Magenta	DMX 151 - 152
					CF_42_Flame Red	DMX 153 - 154
					CF_43_Purple	DMX 155 - 156
					Rotate CW Fast → Slow	DMX 157 - 171
					Rotate ACW Slow → Fast	DMX 172 - 186
					Random Color Fast → Slow	DMX 187 - 201

Table 17: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 8-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
4	Color Presets	0 - 255	0 - 100%	0	Chase1 DMX 202 - 204 Chase2 DMX 205 - 207 Chase3 DMX 208 - 210 Chase4 DMX 211 - 213 Chase5 DMX 214 - 216 Chase6 DMX 217 - 219 Chase7 DMX 220 - 222 Chase8 DMX 223 - 225 Chase9 DMX 226 - 228 Chase10 DMX 229 - 231 User Chase1 DMX 232 - 234 User Chase2 DMX 235 - 237 User Chase3 DMX 238 - 240 User Chase4 DMX 241 - 243 User Chase5 DMX 244 - 246 User Chase6 DMX 247 - 249 User Chase7 DMX 250 - 252 User Chase8 DMX 253 - 255
5	Strobe	0 - 255	0 - 100%	0	Controls strobe operations as follows . . . Open = DMX 0 - 2 Closed = DMX 3 - 5 Slow Rand = DMX 6 - 7 Med Rand = DMX 8 - 10 Fast Rand = DMX 11 - 12 Strobe Range = DMX 13 - 127 (fastest) Pulse + Slow Rand = DMX 128 - 129 Pulse + Med Rand = DMX 130 - 131 Pulse + Fast Rand = DMX 132 - 133 Pulse + Range = DMX 134 - 191 Pulse - Slow Rand = DMX 192 - 193 Pulse - Med Rand = DMX 194 - 195 Pulse - Fast Rand = DMX 196 - 197 Pulse - Range = DMX 198 - 255
6	Duration	0 - 255	0 - 100%	0	Strobe's duration,Range is 0-85 0 = DMX 0 1 = DMX 1 - 3 x = (DMX Value-1)/3+1 85 = DMX 253-255

Table 17: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 8-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
7	Zoom	0-255	0-100%	0	Variable control of zoom from 55°-5°.
8	Rotate Mode	0-255	0-100%	0	(Disabled – when Zoom Channel DMX < 200) 0-5% =DMX 0-14 OFF (Action same as Home) 6%-36% =DMX 15-93 Spin Mode 37%-67% =DMX 94-172 Index Mode 68%-100% =DMX 173-225 Reserved for future use
9	Position/Speed	0-255	0-100%	127	(Disabled – when Zoom Channel DMX < 200) Spin Mode: 49%-51% Home 52% - 100%: Spin Speed Clockwise 48% - 0 : Spin Speed Counter Clockwise Index Mode: 49% - 51% Home 0 Degree 52%-100% Index Clockwise Home 0 degree to +180 degrees 48% - 0 Spin Index Counter Clockwise Home 0-180degrees
10	Focus Timing	0-255	0-100%	255	Timing control of Pan/Tilt
11	Timing	0-255	0-100%	255	Allows for timing control of intensity, color, and zoom parameters. Channel should default to 255 for smoothest actions using console and/or manual fades. - See Timing Chart for more details.
12	Control	0-255	0-100%	0	Set control channel value to desired action, hold value for at least 5 seconds, then turn to 0. Set control channel value to 0 without any scaling. Default Setting on Console =DMX 0-4 DIM Response_Normal =DMX 5-9 DIM Response_Incandescent =DMX 10-14 Dimming Curve_linear =DMX 30-34 Dimming Curve_Square =DMX 35-39 Dimming Curve_S-Curve =DMX 40-44 Diming Curve_PL-Curve =DMX 45-49 Calibration_OFF =DMX 70-74 Calibration_ON =DMX 75-79 Fan_Auto =DMX 80-84 Fan_Off =DMX 85-89 Reserved(Future Use) =DMX 90-250
13	Red1-37	0-255	0-100%	0	8 bit control of Red LEDs from 0 to full
14	Green1-37	0-255	0-100%	0	8 bit control of Green LEDs from 0 to full
15	Blue1-37	0-255	0-100%	0	8 bit control of Blue LEDs from 0 to full
16	White1-37	0-255	0-100%	0	8 bit control of White LEDs from 0 to full

RGBW 8-Bit Group Modes

Table 18 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is operated in various RGBW 8-bit DMX512 Group Control Modes.

Table 18: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 8-Bit Group Modes)

RGBW 8 bit mode		
DMX CHANNEL	19 Group Mode	1 Group Mode
1	Pan	Pan
2	Tilt	Tilt
3	Master Intensity	Master Intensity
4	Color Presets	Color Presets
5	Strobe	Strobe
6	Duration	Duration
7	Zoom	Zoom
8	Rotate Mode	Rotate Mode
9	Position/Speed	Position/Speed
10	Focus Timing	Focus Timing
11	Timing	Timing
12	Control	Control
13	Red_1	Red_1-19
14	Green_1	Green_19
15	Blue_1	Blue_19
16	White_1	White_19
17	Red_2	
18	Green_2	
19	Blue_2	
20	White_2	
21	Red_3	
22	Green_3	
23	Blue_3	
24	White_3	
25	Red_4	
26	Green_4	
27	Blue_4	
28	White_4	
29	Red_5	
30	Green_5	
31	Blue_5	
32	White_5	
33	Red_6	
34	Green_6	
35	Blue_6	
36	White_6	
37	Red_7	
38	Green_7	
39	Blue_7	
40	White_7	
41	Red_8	
42	Green_8	
43	Blue_8	
44	White_8	
45	Red_9	
46	Green_9	
47	Blue_9	
48	White_9	
49	Red_10	
50	Green_10	
51	Blue_10	
52	White_10	
53	Red_11	
54	Green_11	
55	Blue_11	
56	White_11	
57	Red_12	
58	Green_12	
59	Blue_12	
60	White_12	
61	Red_13	
62	Green_13	
63	Blue_13	
64	White_13	
65	Red_14	
66	Green_14	
67	Blue_14	
68	White_14	
69	Red_15	
70	Green_15	
71	Blue_15	
72	White_15	
73	Red_16	
74	Green_16	
75	Blue_16	
76	White_16	
77	Red_17	
78	Green_17	
79	Blue_17	
80	White_17	
81	Red_18	
82	Green_18	
83	Blue_18	
84	White_18	
85	Red_19	
86	Green_19	
87	Blue_19	
88	White_19	
89	Red_20	
90	Green_20	
91	Blue_20	
92	White_20	
93	Red_21	
94	Green_21	
95	Blue_21	
96	White_21	
97	Red_22	
98	Green_22	
99	Blue_22	
100	White_22	
101	Red_23	
102	Green_23	
103	Blue_23	
104	White_23	
105	Red_24	
106	Green_24	
107	Blue_24	
108	White_24	
109	Red_25	
110	Green_25	
111	Blue_25	
112	White_25	
113	Red_26	
114	Green_26	
115	Blue_26	
116	White_26	
117	Red_27	
118	Green_27	
119	Blue_27	
120	White_27	
121	Red_28	
122	Green_28	
123	Blue_28	
124	White_28	
125	Red_29	
126	Green_29	
127	Blue_29	
128	White_29	
129	Red_30	
130	Green_30	
131	Blue_30	
132	White_30	
133	Red_31	
134	Green_31	
135	Blue_31	
136	White_31	
137	Red_32	
138	Green_32	
139	Blue_32	
140	White_32	
141	Red_33	
142	Green_33	
143	Blue_33	
144	White_33	
145	Red_34	
146	Green_34	
147	Blue_34	
148	White_34	
149	Red_35	
150	Green_35	
151	Blue_35	
152	White_35	
153	Red_36	
154	Green_36	
155	Blue_36	
156	White_36	
157	Red_37	
158	Green_37	
159	Blue_37	
160	White_37	

RGBW 16 - Bit Mode

Table 19 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is in RGBW 16-bit DMX512 mode (as set by the luminaire's menu system).

Table 19: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 16-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
1 2	Pan - High Byte Pan _ Low Byte	0 - 65535	0 - 100%	32768	16 bit control of Pan
3 4	Tilt - High Byte Tilt _ Low Byte	0 - 65535	0 - 100%	32768	16 bit control of Tilt
5 6	Master Intensity High Master Intensity Low	0 - 65535	0 - 100%	0	16 bit control for Intensity of LED settings.
7	Color Presets	0 - 255	0 - 100%	0	Variable color Presets as follows . . . Channel OFF (disabled) DMX 0 - 4 Preset 0 (OFF) DMX 5 - 6 Preset 1 DMX 7 - 8 Preset 2 DMX 9 - 10 Preset 3 DMX 11 - 12 Preset 4 DMX 13 - 14 Preset 5 DMX 15 - 16 Preset 6 DMX 17 - 18 Preset 7 DMX 19 - 20 Preset 8 DMX 21 - 22 Preset 9 DMX 23 - 24 Preset 10 DMX 25 - 26 Preset 11 DMX 27 - 28 Preset 12 DMX 29 - 30 Preset 13 DMX 31 - 32 Preset 14 DMX 33 - 34 Preset 15 DMX 35 - 36 Preset 16 DMX 37 - 38 Preset 17 DMX 39 - 40 Preset 18 DMX 41 - 42 Preset 19 DMX 43 - 44 Preset 20 DMX 45 - 46 Preset 21 DMX 47 - 48 Preset 22 DMX 49 - 50 Preset 23 DMX 51 - 52 Preset 24 DMX 53 - 54 Preset 25 DMX 55 - 56 Preset 26 DMX 57 - 58 Preset 27 DMX 59 - 60 Preset 28 DMX 61 - 62 Preset 29 DMX 63 - 64 Preset 30 DMX 65 - 66 Preset 31 DMX 67 - 68

Table 19: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 16-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
7	Color Presets	0 - 255	0 - 100%	0	CF_0_Color OFF DMX 69 - 70 CF_1_White 10000K DMX 71 - 72 CF_2_White 8000K DMX 73 - 74 CF_3_White 6500K DMX 75 - 76 CF_4_White 5600K DMX 77 - 78 CF_5_White 5000K DMX 79 - 80 CF_6_White 4500K DMX 81 - 82 CF_7_White 4000K DMX 83 - 84 CF_8_White 3200K DMX 85 - 86 CF_9_White 3000K DMX 87 - 88 CF_10_White 2700K DMX 89 - 90 CF_11_Moroccan Pink DMX 91 - 92 CF_12_Pink DMX 93 - 94 CF_13_Flesh Pink DMX 95 - 96 CF_14_Bright Rose DMX 97 - 98 CF_15_Follies Pink DMX 99 - 100 CF_16_Fuchsia Pink DMX 101 - 102 CF_17_Surprise Pink DMX 103 - 104 CF_18_Congo Blue DMX 105 - 106 CF_19_Blue DMX 107 - 108 CF_20_Virgin Blue DMX 109 - 110 CF_21_Midnight Maya DMX 111 - 112 CF_22_Double C.T Blue DMX 113-114 CF_23_Slate Blue DMX 115 - 116 CF_24_Regal Blue DMX 117 - 118 CF_25_Full C.T Blue DMX 119-120 CF_26_Steel Blue DMX 121 - 122 CF_27_Lighter Blue DMX 123 - 124 CF_28_Cyan DMX 125 - 126 CF_29_Marine Blue DMX 127 - 128 CF_30_Soft Green DMX 129 - 130 CF_31_Moss Green DMX 131 - 132 CF_32_Green DMX 133 - 134 CF_33_Fem Green DMX 135 - 136 CF_34_JAS Green DMX 137 - 138 CF_35_Pale Green DMX 139 - 140 CF_36_Spring Yellow DMX 141 - 142 CF_37_Yellow DMX 143 - 144 CF_38_Deep Amber DMX 145 - 146 CF_39_Chrome Orange DMX 147 - 148 CF_40_Orange DMX 149 - 150 CF_41_Magenta DMX 151 - 152 CF_42_Flame Red DMX 153 - 154 CF_43_Purple DMX 155 - 156 Rotate CW Fast → Slow DMX 157 - 171 Rotate ACW Slow → Fast DMX 172 - 186 Random Color Fast → Slow DMX 187 - 201

Table 19: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 16-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
7	Color Presets	0 - 255	0 - 100%	0	Chase1 DMX 202 - 204 Chase2 DMX 205 - 207 Chase3 DMX 208 - 210 Chase4 DMX 211 - 213 Chase5 DMX 214 - 216 Chase6 DMX 217 - 219 Chase7 DMX 220 - 222 Chase8 DMX 223 - 225 Chase9 DMX 226 - 228 Chase10 DMX 229 - 231 User Chase1 DMX 232 - 234 User Chase2 DMX 235 - 237 User Chase3 DMX 238 - 240 User Chase4 DMX 241 - 243 User Chase5 DMX 244 - 246 User Chase6 DMX 247 - 249 User Chase7 DMX 250 - 252 User Chase8 DMX 253 - 255
8	Strobe	0 - 255	0 - 100%	0	Controls strobe operations as follows . . . Open = DMX 0 - 2 Closed = DMX 3 - 5 Slow Rand = DMX 6 - 7 Med Rand = DMX 8 - 10 Fast Rand = DMX 11 - 12 Strobe Range = DMX 13 - 127 (fastest) Pulse + Slow Rand = DMX 128 - 129 Pulse + Med Rand = DMX 130 - 131 Pulse + Fast Rand = DMX 132 - 133 Pulse + Range = DMX 134 - 191 Pulse - Slow Rand = DMX 192 - 193 Pulse - Med Rand = DMX 194 - 195 Pulse - Fast Rand = DMX 196 - 197 Pulse - Range = DMX 198 - 255
9	Duration	0 - 255	0 - 100%	0	Strobe's duration,Range is 0-85 0 = DMX 0 1 = DMX 1 - 3 x = (DMX Value-1)/3+1 85 = DMX 253-255

Table 19: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 16-Bit Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
10	Zoom	0 - 255	0 - 100%	0	Variable control of zoom from 55°-5°.
11	Rotate Mode	0 - 255	0 - 100%	0	(Disabled - When Zoom channel DMX < 200) 0-5% =DMX 0-14 OFF(Action same as Home) 6%-36% =DMX 15-93 Spin Mode 37%-67% =DMX 94-172 Index Mode 68%-100% =DMX 173-225 Reserved for future use
12	Position/Speed	0 - 255	0 - 100%	127	(Disabled - When Zoom channel DMX < 200) Spin Mode: 49%-51% Home 52% - 100%: Spin Speed Clockwise 48% - 0 : Spin Speed Counter Clockwise Index Mode: 49% - 51% Home 0 Degree 52%-100% Index Clockwise Home 0 degree to +180 degrees 48% - 0 Spin Index Counter Clockwise Home 0-180degrees
13	Focus Timing	0 - 255	0 - 100%	255	Timing control of Pan/Tilt
14	Intensity Timing	0 - 255	0 - 100%	255	Allows for timing control of intensity. Channel should default to 255 for smoothest actions using console and/or manual fades. - See Timing chart for more details.
15	Color Timing	0 - 255	0 - 100%	255	Allows for timing control of color. Channel should default to 255 for smoothest actions using console and/or manual fades. - See Timing chart for more details.
16	Zoom Timing	0 - 255	0 - 100%	255	Allows for timing control of zoom
17	Control	0 - 255	0 - 100%	0	Set control channel value to desired action, hold value for at least 5 seconds, then turn to 0. Set control channel value to 0 without any scaling. Default Setting on Console =DMX 0-4 DIM Response_Normal =DMX 5-9 DIM Response_Incandescent =DMX 10-14 Dimming Curve_linear =DMX 30-34 Dimming Curve_Square =DMX 35-39 Dimming Curve_S-Curve =DMX 40-44 Diming Curve_PL-Curve =DMX 45-49 Calibration_OFF =DMX 70-74 Calibration_ON =DMX 75-79 Fan_Auto =DMX 80-84 Fan_Off =DMX 85-89 Reserved(Future Use) =DMX 90-250
18 19	Red 1-37 - High Byte Red 1-37 - Low Byte	0 - 65535	0 - 100%	0	16 bit control of Red LEDs from 0 to full
20 21	Green 1-37 - High Byte Green 1-37 - Low Byte	0 - 65535	0 - 100%	0	16 bit control of Green LEDs from 0 to full
22 23	Blue 1-37 - High Byte Blue 1-37 - Low Byte	0 - 65535	0 - 100%	0	16 bit control of Blue LEDs from 0 to full
24 25	White 1-37 - High Byte White 1-37 - Low Byte	0 - 65535	0 - 100%	0	16 bit control of White LEDs from 0 to full

RGBW 16-Bit Group Modes

Table 20 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is operated in various RGBW 16-bit DMX512 Group Control Modes.

Table 20: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (RGBW 16-Bit Group Modes)

RGBW 16 bit mode		
DMX CHANNEL	19 Group Mode	1 Group Mode
1	Pan - High Byte	Pan - High Byte
2	Pan - Low Byte	Pan - Low Byte
3	Tilt - High Byte	Tilt - High Byte
4	Tilt - Low Byte	Tilt - Low Byte
5	Master Intensity - High	Master Intensity - High
6	Master Intensity - Low	Master Intensity - Low
7	Color Presets	Color Presets
8	Strobe	Strobe
9	Duration	Duration
10	Zoom	Zoom
11	Rotate Mode	Rotate Mode
12	Position/Speed	Position/Speed
13	Focus Timing	Focus Timing
14	Intensity Timing	Intensity Timing
15	Color Timing	Color Timing
16	Zoom Timing	Zoom Timing
17	Control	Control
18	Red_1 - High Byte	Red_1-19 - High Byte
19	Red_1 - Low Byte	Red_1-19 - Low Byte
20	Green_1 - High Byte	Green_1-19 - High Byte
21	Green_1 - Low Byte	Green_1-19 - Low Byte
22	Blue_1 - High Byte	Blue_1-19 - High Byte
23	Blue_1 - Low Byte	Blue_1-19 - Low Byte
24	White_1 - High Byte	White_1-19 - High Byte
25	White_1 - Low Byte	White_1-19 - Low Byte
26	Red_2 - High Byte	
27	Red_2 - Low Byte	
28	Green_2 - High Byte	
29	Green_2 - Low Byte	
30	Blue_2 - High Byte	
31	Blue_2 - Low Byte	
32	White_2 - High Byte	
33	White_2 - Low Byte	
34	Red_3 - High Byte	
35	Red_3 - Low Byte	
36	Green_3 - High Byte	
37	Green_3 - Low Byte	
38	Blue_3 - High Byte	
39	Blue_3 - Low Byte	
40	White_3 - High Byte	
41	White_3 - Low Byte	
42	Red_4 - High Byte	
43	Red_4 - Low Byte	
44	Green_4 - High Byte	
45	Green_4 - Low Byte	
46	Blue_4 - High Byte	
47	Blue_4 - Low Byte	
48	White_4 - High Byte	
49	White_4 - Low Byte	
50	Red_5 - High Byte	
51	Red_5 - Low Byte	
52	Green_5 - High Byte	
53	Green_5 - Low Byte	
54	Blue_5 - High Byte	
55	Blue_5 - Low Byte	
56	White_5 - High Byte	
57	White_5 - Low Byte	
58	Red_6 - High Byte	
59	Red_6 - Low Byte	
60	Green_6 - High Byte	
61	Green_6 - Low Byte	
62	Blue_6 - High Byte	
63	Blue_6 - Low Byte	
64	White_6 - High Byte	
65	White_6 - Low Byte	
66	Red_7 - High Byte	
67	Red_7 - Low Byte	
68	Green_7 - High Byte	
69	Green_7 - Low Byte	
70	Blue_7 - High Byte	
71	Blue_7 - Low Byte	
72	White_7 - High Byte	
73	White_7 - Low Byte	
74	Red_8 - High Byte	
75	Red_8 - Low Byte	
76	Green_8 - High Byte	
77	Green_8 - Low Byte	
78	Blue_8 - High Byte	
79	Blue_8 - Low Byte	
80	White_8 - High Byte	
81	White_8 - Low Byte	
82	Red_9 - High Byte	
83	Red_9 - Low Byte	
84	Green_9 - High Byte	
85	Green_9 - Low Byte	
86	Blue_9 - High Byte	
87	Blue_9 - Low Byte	
88	White_9 - High Byte	
89	White_9 - Low Byte	
90	Red_10 - High Byte	
91	Red_10 - Low Byte	
92	Green_10 - High Byte	
93	Green_10 - Low Byte	
94	Blue_10 - High Byte	
95	Blue_10 - Low Byte	
96	White_10 - High Byte	
97	White_10 - Low Byte	
98	Red_11 - High Byte	
99	Red_11 - Low Byte	
100	Green_11 - High Byte	
101	Green_11 - Low Byte	
102	Blue_11 - High Byte	
103	Blue_11 - Low Byte	
104	White_11 - High Byte	
105	White_11 - Low Byte	
106	Red_12 - High Byte	
107	Red_12 - Low Byte	
108	Green_12 - High Byte	
109	Green_12 - Low Byte	
110	Blue_12 - High Byte	
111	Blue_12 - Low Byte	
112	White_12 - High Byte	
113	White_12 - Low Byte	
114	Red_13 - High Byte	
115	Red_13 - Low Byte	
116	Green_13 - High Byte	
117	Green_13 - Low Byte	
118	Blue_13 - High Byte	
119	Blue_13 - Low Byte	
120	White_13 - High Byte	
121	White_13 - Low Byte	
122	Red_14 - High Byte	
123	Red_14 - Low Byte	
124	Green_14 - High Byte	
125	Green_14 - Low Byte	
126	Blue_14 - High Byte	
127	Blue_14 - Low Byte	
128	White_14 - High Byte	
129	White_14 - Low Byte	
130	Red_15 - High Byte	
131	Red_15 - Low Byte	
132	Green_15 - High Byte	
133	Green_15 - Low Byte	
134	Blue_15 - High Byte	
135	Blue_15 - Low Byte	
136	White_15 - High Byte	
137	White_15 - Low Byte	
138	Red_16 - High Byte	
139	Red_16 - Low Byte	
140	Green_16 - High Byte	
141	Green_16 - Low Byte	
142	Blue_16 - High Byte	
143	Blue_16 - Low Byte	
144	White_16 - High Byte	
145	White_16 - Low Byte	
146	Red_17 - High Byte	
147	Red_17 - Low Byte	
148	Green_17 - High Byte	
149	Green_17 - Low Byte	
150	Blue_17 - High Byte	
151	Blue_17 - Low Byte	
152	White_17 - High Byte	
153	White_17 - Low Byte	
154	Red_18 - High Byte	
155	Red_18 - Low Byte	
156	Green_18 - High Byte	
157	Green_18 - Low Byte	
158	Blue_18 - High Byte	
159	Blue_18 - Low Byte	
160	White_18 - High Byte	
161	White_18 - Low Byte	
162	Red_19 - High Byte	
163	Red_19 - Low Byte	
164	Green_19 - High Byte	
165	Green_19 - Low Byte	
166	Blue_19 - High Byte	
167	Blue_19 - Low Byte	
168	White_19 - High Byte	
169	White_19 - Low Byte	
170	Red_20 - High Byte	
171	Red_20- Low Byte	
172	Green_20 - High Byte	
173	Green_20 - Low Byte	
174	Blue_20 - High Byte	
175	Blue_20 - Low Byte	
176	White_20- High Byte	
177	White_20 - Low Byte	
178	Red_21 - High Byte	
179	Red_21 - Low Byte	
180	Green_21 - High Byte	
181	Green_21 - Low Byte	
182	Blue_21 - High Byte	
183	Blue_21 - Low Byte	
184	White_21 - High Byte	
185	White_21 - Low Byte	
186	Red_22 - High Byte	
187	Red_22 - Low Byte	
188	Green_22 - High Byte	
189	Green_22 - Low Byte	
190	Blue_22 - High Byte	
191	Blue_22 - Low Byte	
192	White_22 - High Byte	
193	White_22 - Low Byte	
194	Red_23 - High Byte	
195	Red_23 - Low Byte	
196	Green_23 - High Byte	
197	Green_23 - Low Byte	
198	Blue_23 - High Byte	
199	Blue_23 - Low Byte	
200	White_23 - High Byte	
201	White_23 - Low Byte	
202	Red_24 - High Byte	
203	Red_24 - Low Byte	
204	Green_24 - High Byte	
205	Green_24 - Low Byte	
206	Blue_24 - High Byte	
207	Blue_24 - Low Byte	
208	White_24 - High Byte	
209	White_24 - Low Byte	
210	Red_25 - High Byte	
211	Red_25 - Low Byte	
212	Green_25 - High Byte	
213	Green_25 - Low Byte	
214	Blue_25 - High Byte	
215	Blue_25 - Low Byte	
216	White_25 - High Byte	
217	White_25 - Low Byte	
218	Red_26 - High Byte	
219	Red_26 - Low Byte	
220	Green_26 - High Byte	
221	Green_26 - Low Byte	
222	Blue_26 - High Byte	
223	Blue_26 - Low Byte	
224	White_26 - High Byte	
225	White_26 - Low Byte	
226	Red_27 - High Byte	
227	Red_27 - Low Byte	
228	Green_27 - High Byte	
229	Green_27 - Low Byte	
230	Blue_27 - High Byte	
231	Blue_27 - Low Byte	
232	White_27 - High Byte	
233	White_27 - Low Byte	
234	Red_28 - High Byte	
235	Red_28 - Low Byte	
236	Green_28 - High Byte	
237	Green_28 - Low Byte	
238	Blue_28 - High Byte	
239	Blue_28 - Low Byte	
240	White_28 - High Byte	
241	White_28 - Low Byte	
242	Red_29 - High Byte	
243	Red_29 - Low Byte	
244	Green_29 - High Byte	
245	Green_29 - Low Byte	
246	Blue_29 - High Byte	
247	Blue_29 - Low Byte	
248	White_29 - High Byte	
249	White_29 - Low Byte	
250	Red_30 - High Byte	
251	Red_30 - Low Byte	
252	Green_30 - High Byte	
253	Green_30 - Low Byte	
254	Blue_30 - High Byte	
255	Blue_30 - Low Byte	
256	White_30 - High Byte	
257	White_30 - Low Byte	
258	Red_31 - High Byte	
259	Red_31- Low Byte	
260	Green_31 - High Byte	
261	Green_31 - Low Byte	
262	Blue_31 - High Byte	
263	Blue_31 - Low Byte	
264	White_31- High Byte	
265	White_31 - Low Byte	
266	Red_32 - High Byte	
267	Red_32 - Low Byte	
268	Green_32 - High Byte	
269	Green_32 - Low Byte	
270	Blue_32 - High Byte	
271	Blue_32 - Low Byte	
272	White_32 - High Byte	
273	White_32 - Low Byte	
274	Red_33 - High Byte	
275	Red_33 - Low Byte	
276	Green_33 - High Byte	
277	Green_33 - Low Byte	
278	Blue_33 - High Byte	
279	Blue_33 - Low Byte	
280	White_33 - High Byte	
281	White_33 - Low Byte	
282	Red_34 - High Byte	
283	Red_34 - Low Byte	
284	Green_34 - High Byte	
285	Green_34 - Low Byte	
286	Blue_34 - High Byte	
287	Blue_34 - Low Byte	
288	White_34 - High Byte	
289	White_34 - Low Byte	
290	Red_35 - High Byte	
291	Red_35 - Low Byte	
292	Green_35 - High Byte	
293	Green_35 - Low Byte	
294	Blue_35 - High Byte	
295	Blue_35 - Low Byte	
296	White_35 - High Byte	
297	White_35 - Low Byte	
298	Red_36 - High Byte	
299	Red_36 - Low Byte	
300	Green_36 - High Byte	
301	Green_36 - Low Byte	
302	Blue_36 - High Byte	
303	Blue_36 - Low Byte	
304	White_36 - High Byte	
305	White_36 - Low Byte	
306	Red_37 - High Byte	
307	Red_37 - Low Byte	
308	Green_37 - High Byte	
309	Green_37 - Low Byte	
310	Blue_37 - High Byte	
311	Blue_37 - Low Byte	
312	White_37 - High Byte	
313	White_37 - Low Byte	

HSIC Mode

Table 21 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is in HSIC (Hue, Saturation, Intensity, and Color Correction) DMX512 mode (as set by the luminaire's menu system).

Table 21: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (HSIC Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
1 2	Pan - High Byte Pan - Low Byte	0-65535	0-100%	32768	16-bit control of Pan
3 4	Tilt - High Byte Tilt - Low Byte	0-65535	0-100%	32768	16-bit control of Tilt
5	Master Intensity	0-255	0-100%	0	8 bit control of Intensity of LED settings
6	Strobe	0-255	0-100%	0	Controls strobe operations as follows . . . Open = DMX 0 - 2 Closed = DMX 3 - 5 Slow Rand = DMX 6 - 7 Med Rand = DMX 8 - 10 Fast Rand = DMX 11 - 12 Strobe Range = DMX 13 - 127 (fastest) Pulse + Slow Rand = DMX 128 - 129 Pulse + Med Rand = DMX 130 - 131 Pulse + Fast Rand = DMX 132 - 133 Pulse + Range = DMX 134 - 191 Pulse - Slow Rand = DMX 192 - 193 Pulse - Med Rand = DMX 194 - 195 Pulse - Fast Rand = DMX 196 - 197 Pulse - Range = DMX 198 - 255
7	Duration	0-255	0-100%	0	Strobe's duration,Range is 0-85 0 = DMX 0 1 = DMX 1 - 3 x = (DMX Value-1)/3+1 85 = DMX 253-255
8	Zoom	0-255	0-100%	0	Variable control of zoom from 55°-5°.
9	Rotate Mode	0-255	0-100%	0	(Disabled - When Zoom channel DMX < 200) 0-5% =DMX 0-14 OFF (Action same as Home) 6%-36% =DMX 15-93 Spin Mode 37%-67% =DMX 94-172 Index Mode 68%-100% =DMX 173-225 Reserved for future use
10	Position/Speed	0-255	0-100%	127	(Disabled - When Zoom channel DMX < 200) Spin Mode: 49%-51% Home 52% - 100%: Spin Speed Clockwise 48% - 0 : Spin Speed Counter Clockwise Index Mode: 49% - 51% Home 0 Degree 52%-100% Index Clockwise Home 0 degree to +180 degrees 48% - 0 Spin Index Counter Clockwise Home 0-180degrees
11	Focus Timing	0-255	0-100%	255	Timing Control of Pan/Tilt
12	Timing	0-255	0-100%	255	Allows for timing control of intensity. Channel should default to 255 for smoothest actions using console and/or manual fades. - See Timing chart for more details.
13	Control	0-255	0-100%	0	Set control channel value to desired action, hold value for at least 5 seconds, then turn to 0. Set control channel value to 0 without any scaling. Default Setting on Console =DMX 0-4 DIM Response_Normal =DMX 5-9 DIM Response_Incandescent =DMX 10-14 Dimming Curve_linear =DMX 30-34 Dimming Curve_Square =DMX 35-39 Dimming Curve_S-Curve =DMX 40-44 Diming Curve_PL-Curve =DMX 45-49 Calibration_OFF =DMX 70-74 Calibration_ON =DMX 75-79 Fan_Auto =DMX 80-84 Fan_Off =DMX 85-89 Reserves(Future Use) =DMX 90-250
14 15	Hue1-37 - High Byte Hue1-37 - Low Byte	0-65535	0-100%	0	16 bit control of Hue 0-359°
16	Saturation1-37	0-255	0-100%	0	8 bit control of Saturation
17	Intensity1-37	0-255	0-100%	0	8 bit control of Intensity
18	CCT1-37	0-255	0-100%	0	Variable control of correlated color temperature from Channel OFF (disabled) DMX 0 - 5 2700K - 6500K. DMX 6 - 255

HSIC Group Modes

Table 22 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is operated in various HSIC DMX512 Group Control Modes.

Table 22: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (HSIC Group Modes)

HSIC MODE		
DMX CHANNEL	19 Group MODE	1 Group MODE
1	Pan - High Byte	Pan - High Byte
2	Pan - Low Byte	Pan - Low Byte
3	Tilt - High Byte	Tilt - High Byte
4	Tilt - Low Byte	Tilt - Low Byte
5	Master Intensity	Master Intensity
6	Strobe	Strobe
7	Duration	Duration
8	Zoom	Zoom
9	Rotate Mode	Rotate Mode
10	Position/Speed	Position/Speed
11	Focus Timing	Focus Timing
12	Timing	Timing
13	Control	Control
14	Hue_1 - High Byte	Hue_1-37 - High Byte
15	Hue_1 - Low Byte	Hue_1-37 - Low Byte
16	Saturation_1	Saturation_1-37
17	Intensity_1	Intensity_1-37
18	CCT_1	CCT_1-37
19	Hue_2 - High Byte	
20	Hue_2 - Low Byte	
21	Saturation_2	
22	Intensity_2	
23	CCT_2	
24	Hue_3 - High Byte	
25	Hue_3 - Low Byte	
26	Saturation_3	
27	Intensity_3	
28	CCT_3	
29	Hue_4 - High Byte	
30	Hue_4 - Low Byte	
31	Saturation_4	
32	Intensity_4	
33	CCT_4	
34	Hue_5 - High Byte	
35	Hue_5 - Low Byte	
36	Saturation_5	
37	Intensity_5	
38	CCT_5	
39	Hue_6 - High Byte	
40	Hue_6 - Low Byte	
41	Saturation_6	
42	Intensity_6	
43	CCT_6	
44	Hue_7 - High Byte	
45	Hue_7 - Low Byte	
46	Saturation_7	
47	Intensity_7	
48	CCT_7	
49	Hue_8 - High Byte	
50	Hue_8 - Low Byte	
51	Saturation_8	
52	Intensity_8	
53	CCT_8	
54	Hue_9 - High Byte	
55	Hue_9 - Low Byte	
56	Saturation_9	
57	Intensity_9	
58	CCT_9	
59	Hue_10 - High Byte	
60	Hue_10 - Low Byte	
61	Saturation_10	
62	Intensity_10	
63	CCT_10	
64	Hue_11 - High Byte	
65	Hue_11 - Low Byte	
66	Saturation_11	
67	Intensity_11	
68	CCT_11	
69	Hue_12 - High Byte	
70	Hue_12 - Low Byte	
71	Saturation_12	
72	Intensity_12	
73	CCT_12	
74	Hue_13 - High Byte	
75	Hue_13 - Low Byte	
76	Saturation_13	
77	Intensity_13	
78	CCT_13	
79	Hue_14 - High Byte	
80	Hue_14 - Low Byte	
81	Saturation_14	
82	Intensity_14	
83	CCT_14	
84	Hue_15 - High Byte	
85	Hue_15 - Low Byte	
86	Saturation_15	
87	Intensity_15	
88	CCT_15	
89	Hue_16 - High Byte	
90	Hue_16 - Low Byte	
91	Saturation_16	
92	Intensity_16	
93	CCT_16	
94	Hue_17 - High Byte	
95	Hue_17 - Low Byte	
96	Saturation_17	
97	Intensity_17	
98	CCT_17	
99	Hue_18 - High Byte	
100	Hue_18 - Low Byte	
101	Saturation_18	
102	Intensity_18	
103	CCT_18	
104	Hue_19 - High Byte	
105	Hue_19 - Low Byte	
106	Saturation_19	
107	Intensity_19	
108	CCT_19	
109	Hue_20 - High Byte	
110	Hue_20 - Low Byte	
111	Saturation_20	
112	Intensity_20	
113	CCT_20	
114	Hue_21 - High Byte	
115	Hue_21 - Low Byte	
116	Saturation_21	
117	Intensity_21	
118	CCT_21	
119	Hue_22 - High Byte	
120	Hue_22 - Low Byte	
121	Saturation_22	
122	Intensity_22	
123	CCT_22	
124	Hue_23 - High Byte	
125	Hue_23 - Low Byte	
126	Saturation_23	
127	Intensity_23	
128	CCT_23	
129	Hue_24 - High Byte	
130	Hue_24 - Low Byte	
131	Saturation_24	
132	Intensity_24	
133	CCT_24	
134	Hue_25 - High Byte	
135	Hue_25 - Low Byte	
136	Saturation_25	
137	Intensity_25	
138	CCT_25	
139	Hue_26 - High Byte	
140	Hue_26 - Low Byte	
141	Saturation_26	
142	Intensity_26	
143	CCT_26	
144	Hue_27 - High Byte	
145	Hue_27 - Low Byte	
146	Saturation_27	
147	Intensity_27	
148	CCT_27	
149	Hue_28 - High Byte	
150	Hue_28 - Low Byte	
151	Saturation_28	
152	Intensity_28	
153	CCT_28	
154	Hue_29 - High Byte	
155	Hue_29 - Low Byte	
156	Saturation_29	
157	Intensity_29	
158	CCT_29	
159	Hue_30 - High Byte	
160	Hue_30 - Low Byte	
161	Saturation_30	
162	Intensity_30	
163	CCT_30	
164	Hue_31 - High Byte	
165	Hue_31 - Low Byte	
166	Saturation_31	
167	Intensity_31	
168	CCT_31	
169	Hue_32 - High Byte	
170	Hue_32 - Low Byte	
171	Saturation_32	
172	Intensity_32	
173	CCT_32	
174	Hue_33 - High Byte	
175	Hue_33 - Low Byte	
176	Saturation_33	
177	Intensity_33	
178	CCT_33	
179	Hue_34 - High Byte	
180	Hue_34 - Low Byte	
181	Saturation_34	
182	Intensity_34	
183	CCT_34	
184	Hue_35 - High Byte	
185	Hue_35 - Low Byte	
186	Saturation_35	
187	Intensity_35	
188	CCT_35	
189	Hue_36 - High Byte	
190	Hue_36 - Low Byte	
191	Saturation_36	
192	Intensity_36	
193	CCT_36	
194	Hue_37 - High Byte	
195	Hue_37 - Low Byte	
196	Saturation_37	
197	Intensity_37	
198	CCT_37	

Pattern Mode

Table 23 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is in Pattern mode (as set by the luminaire's menu system). For a lists of Pattern effects, refer to the appendix.

Table 23: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (Pattern Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description
1 2	Pan - High Byte Pan - Low Byte	0 - 65535	0 - 100%	32768	16 bit control of Pan
3 4	Tilt - High Byte Tilt - Low Byte	0 - 65535	0 - 100%	32768	16 bit control of Tilt
5 6	Master Intensity - High Master Intensity - Low	0 - 65535	0 - 100%	0	16 bit control for Intensity of LED settings.
7	Color Presets	0 - 255	0 - 100%	0	Variable color Presets as follows . . . Channel OFF (disabled) DMX 0 - 4 Preset 0 (OFF) DMX 5 - 6 Preset 1 DMX 7 - 8 Preset 2 DMX 9 - 10 Preset 3 DMX 11 - 12 Preset 4 DMX 13 - 14 Preset 5 DMX 15 - 16 Preset 6 DMX 17 - 18 Preset 7 DMX 19 - 20 Preset 8 DMX 21 - 22 Preset 9 DMX 23 - 24 Preset 10 DMX 25 - 26 Preset 11 DMX 27 - 28 Preset 12 DMX 29 - 30 Preset 13 DMX 31 - 32 Preset 14 DMX 33 - 34 Preset 15 DMX 35 - 36 Preset 16 DMX 37 - 38 Preset 17 DMX 39 - 40 Preset 18 DMX 41 - 42 Preset 19 DMX 43 - 44 Preset 20 DMX 45 - 46 Preset 21 DMX 47 - 48 Preset 22 DMX 49 - 50 Preset 23 DMX 51 - 52 Preset 24 DMX 53 - 54 Preset 25 DMX 55 - 56 Preset 26 DMX 57 - 58 Preset 27 DMX 59 - 60 Preset 28 DMX 61 - 62 Preset 29 DMX 63 - 64 Preset 30 DMX 65 - 66 Preset 31 DMX 67 - 68 CF_0_Color OFF DMX 69 - 70 CF_1_White 10000K DMX 71 - 72 CF_2_White 8000K DMX 73 - 74 CF_3_White 6500K DMX 75 - 76 CF_4_White 5600K DMX 77 - 78 CF_5_White 5000K DMX 79 - 80 CF_6_White 4500K DMX 81 - 82 CF_7_White 4000K DMX 83 - 84 CF_8_White 3200K DMX 85 - 86 CF_9_White 3000K DMX 87 - 88 CF_10_White 2700K DMX 89 - 90

Table 23: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (Pattern Mode)

DMX Channel	Parameter	Range DMX	Range%	Default	Description	
7	Color Presets	0 - 255	0 - 100%	0	CF_11_Moroccan Pink	DMX 91 - 92
					CF_12_Pink	DMX 93 - 94
					CF_13_Flesh Pink	DMX 95 - 96
					CF_14_Bright Rose	DMX 97 - 98
					CF_15_Follies Pink	DMX 99 - 100
					CF_16_Fuchsia Pink	DMX 101 - 102
					CF_17_Surprise Pink	DMX 103 - 104
					CF_18_Congo Blue	DMX 105 - 106
					CF_19_Blue	DMX 107 - 108
					CF_20_Virgin Blue	DMX 109 - 110
					CF_21_Midnight Maya	DMX 111 - 112
					CF_22_Double C.T Blue	DMX 113-114
					CF_23_Slate Blue	DMX 115 - 116
					CF_24_Regal Blue	DMX 117 - 118
					CF_25_Full C.T Blue	DMX 119-120
					CF_26_Steel Blue	DMX 121 - 122
					CF_27_Lighter Blue	DMX 123 - 124
					CF_28_Cyan	DMX 125 - 126
					CF_29_Marine Blue	DMX 127 - 128
					CF_30_Soft Green	DMX 129 - 130
					CF_31_Moss Green	DMX 131 - 132
					CF_32_Green	DMX 133 - 134
					CF_33_Fem Green	DMX 135 - 136
					CF_34_JAS Green	DMX 137 - 138
					CF_35_Pale Green	DMX 139 - 140
					CF_36_Spring Yellow	DMX 141 - 142
					CF_37_Yellow	DMX 143 - 144
					CF_38_Deep Amber	DMX 145 - 146
					CF_39_Chrome Orange	DMX 147 - 148
					CF_40_Orange	DMX 149 - 150
					CF_41_Magenta	DMX 151 - 152
					CF_42_Flame Red	DMX 153 - 154
					CF_43_Purple	DMX 155 - 156
					Rotate CW Fast→Slow	DMX 157 - 171
					Rotate ACW Slow→Fast	DMX 172 - 186
					Random Color Fast→Slow	DMX 187 - 201
					Chase1	DMX 202 - 204
					Chase2	DMX 205 - 207
					Chase3	DMX 208 - 210
					Chase4	DMX 211 - 213
					Chase5	DMX 214 - 216
					Chase6	DMX 217 - 219
					Chase7	DMX 220 - 222
					Chase8	DMX 223 - 225
					Chase9	DMX 226 - 228
					Chase10	DMX 229 - 231
					User Chase1	DMX 232 - 234
					User Chase2	DMX 235 - 237
					User Chase3	DMX 238 - 240
					User Chase4	DMX 241 - 243
					User Chase5	DMX 244 - 246
					User Chase6	DMX 247 - 249
					User Chase7	DMX 250 - 252
					User Chase8	DMX 253 - 255

Table 23: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (Pattern Mode)

DMX	Parameter	Range DMX	Range%	Defaults	Description
8	Strobe	0-255	0-100%	0	Pulse + Slow Rand DMX 128-129 Pulse + Med Rand DMX 130-131 Pulse + Fast Rand DMX 132-133 Pulse + Range DMX 134-191 Pulse - Slow Rand DMX 192-193 Pulse - Med Rand DMX 194-145 Pulse - Fast Rand DMX 196-197 Pulse - Range DMX 198-255
9	Duration	0-255	0-100%	0	Strobe's duration Range is 0-85 0 DMX0 1 DMX 1-3 x (DMX Value-1)/3+1 85 DMX253-255
10	Zoom	0-255	0-100%	0	Variable control of zoom from 55°-5°
11	Rotate Mode	0-255	0-100%	0	(Disabled - When Zoom channel DMX < 200) 0-5% =DMX 0-14 OFF (Action same as Home) 6%-36% =DMX 15-93 Spin Mode 37%-67% =DMX 94-172 Index Mode 68%-100% =DMX 173-225 Reserved for future use
12	Position/Speed	0-255	0-100%	127	(Disabled - When Zoom channel DMX < 200) Spin Mode: 49%-51% Home 52% - 100%: Spin Speed Clockwise 48% - 0 : Spin Speed Counter Clockwise Index Mode: 49% - 51% Home 0 Degree 52%-100% Index Clockwise Home 0 degree to +180 degrees 48% - 0 Spin Index Counter Clockwise Home 0-180degrees
13	Focus Timing	0-255	0-100%	255	Timing control of Pan/Tilt
14	Intensity Timing	0-255	0-100%	255	Allows for timing control of intensity. Channel should default to 255 for smoothest actions using console and/or manual fades. - See Timing chart for more details.
15	Color Timing	0-255	0-100%	255	Allows for timing control of color. Channel should default to 255 for smoothest actions using console and/or manual fades. - See Timing chart for more details.
16	Zoom Timing	0-255	0-100%	255	Allows for timing control of zoom
17	Control	0-255	0-100%	0	Set control channel value to desired action, hold value for at least 5 seconds, then turn to 0. Set control channel value to 0 without any scaling. Default Setting on Console =DMX 0-4 DIM Response_Normal =DMX 5-9 DIM Response_Incandescent =DMX 10-14 Dimming Curve_linear =DMX 30-34 Dimming Curve_Square =DMX 35-39 Dimming Curve_S-Curve =DMX 40-44 Diming Curve_PL-Curve =DMX 45-49 Calibration_OFF =DMX 70-74 Calibration_ON =DMX 75-79 Fan_Auto =DMX 80-84 Fan_Off =DMX 85-89 Reserved(Future Use) =DMX 90-250
18	Pattern	0-255	0-100%	0	Pattern Select DMX0-5 Pattern disable DMX5-255 Pattern 1-32
19	Pattern Step	0-255	0-100%	0	Pattern Step DMX0-5 No used DMX6-200 Pattern step select DMX201-255 Pattern running speed 2s-0
20 21	Red1-37 - High Byte Red1-37 - Low Byte	0-65535	0-100%	0	16 bit control of Red LEDs from 0 to full
22 23	Green1-37 - High Byte Green1-37 - Low Byte	0-65535	0-100%	0	16 bit control of Green LEDs from 0 to full
24 25	Blue1-37 - High Byte Blue1-37 - Low Byte	0-65535	0-100%	0	16 bit control of Blue LEDs from 0 to full
26 27	White1-37 - High Byte White1-37 - Low Byte	0-65535	0-100%	0	16 bit control of White LEDs from 0 to full

Pattern Group Modes

Table 24 provides DMX channel mapping of all DMX512 control values when the SL BEAM 500 FX LED Luminaire is operated in various Pattern DMX512 Group Control Modes.

Table 24: SL BEAM 500 FX LED Luminaire DMX Channel Mapping (Pattern Group Modes)

Pattern Mode	
DMX CHANNEL	x Group Mode
1	Pan - High Byte
2	Pan - Low Byte
3	Tilt - High Byte
4	Tilt - Low Byte
5	Master Intensity - High
6	Master Intensity - Low
7	Color Presets
8	Strobe
9	Duration
10	Zoom
11	Rotate Mode
12	Position / Speed
13	Focus Timing
14	Intensity Timing
15	Color Timing
16	Zoom Timing
17	Control
18	Pattern
19	Pattern Step
20	Red_1-37 - High Byte
21	Red_1-37 - Low Byte
22	Green_1-37 - High Byte
23	Green_1-37 - Low Byte
24	Blue_1-37 - High Byte
25	Blue_1-37 - Low Byte
26	White_1-37 - High Byte
27	White_1-37 - Low Byte

2. DMX Timing Channel Detail

Timing channel control improves the timed moves of certain groups of parameters. The SL BEAM 500 FX LED Luminaire provides timing channels in 16-bit mode (one for intensity time and one for color time) and one timing channel in 8-bit (color and intensity timing combined). The luminaire uses its timing channel value to calculate a smooth continuous operation for a given time and transition.

Guidelines:

- Timing channels support time values from zero to 60 minutes.
- To use a timing channel instead of console timing, it is recommended to set the timing channel to the desired value and set cue and/or console cue fade time to zero. A combination of time controls can produce unexpected results.
- The default value setting in the profile should be 255 (proportional control) to allow smooth operation when using console timing.
- The timing channel data should change as a snap. A zero value will give the fastest operation, however, without any smoothing this can appear "steppy" in console timed moves.

Refer to "DMX Timing Channel Detail" for more information.

Table 25: SL BEAM 500 FX LED Luminaire Timing Channel Detail

% Value	DMX	= Seconds (*unless noted*)
0	0	0 (Full Speed)
	1	0.2
	2	0.4
1	3	0.6
	4	0.8
2	5	1
	6	1.2
	7	1.4
3	8	1.6

Table 25: SL BEAM 500 FX LED Luminaire Timing Channel Detail

% Value	DMX	= Seconds (unless noted)
	9	1.8
4	10	2
	11	2.2
	12	2.4
5	13	2.6
	14	2.8
6	15	3
	16	3.2
	17	3.4
7	18	3.6
	19	3.8
8	20	4
	21	4.2
	22	4.4
9	23	4.6
	24	4.8
10	25	5
	26	5.2
	27	5.4
11	28	5.6
	29	5.8
	30	6
12	31	6.2
	32	6.4
13	33	6.6
	34	6.8
	35	7
14	36	7.2
	37	7.4
15	38	7.6
	39	7.8
	40	8
16	41	8.2
	42	8.4
17	43	8.6
	44	8.8
	45	9
18	46	9.2
	47	9.4
19	48	9.6
	49	9.8
	50	10
20	51	10.2
	52	10.4
	53	10.6
21	54	10.8
	55	11
22	56	11.2
	57	11.4
	58	11.6
23	59	11.8

Table 25: SL BEAM 500 FX LED Luminaire Timing Channel Detail

% Value	DMX	= Seconds (unless noted)
	60	12
24	61	12.2
	62	12.4
	63	12.6
25	64	12.8
	65	13
26	66	13.2
	67	13.4
	68	13.6
27	69	13.8
	70	14
28	71	14.2
	72	14.4
	73	14.6
29	74	14.8
	75	15
30	76	15.2
	77	15.4
	78	15.6
31	79	15.8
	80	16
	81	16.2
32	82	16.4
	83	16.6
33	84	16.8
	85	17
	86	17.2
34	87	17.4
	88	17.6
35	89	17.8
	90	18
	91	18.2
36	92	18.4
	93	18.6
37	94	18.6
	95	19
	96	19.2
38	97	19.4
	98	19.6
39	99	19.8
	100	20
	101	21
40	102	22
	103	23
	104	24
41	105	25
	106	26
42	107	27
	108	28
	109	29
43	110	30

Table 25: SL BEAM 500 FX LED Luminaire Timing Channel Detail

% Value	DMX	= Seconds (unless noted)
	111	31
44	112	32
	113	33
	114	34
45	115	35
	116	36
46	117	37
	118	38
	119	39
47	120	40
	121	41
48	122	42
	123	43
	124	44
49	125	45
	126	46
	127	47
50	128	48
	129	49
51	130	50
	131	51
	132	52
52	133	53
	134	54
53	135	55
	136	56
	137	57
54	138	58
	139	59
55	140	60
	141	61
	142	62
56	143	63
	144	64
57	145	65
	146	66
	147	67
58	148	68
	149	69
59	150	70
	151	71
	152	72
60	153	73
	154	74
	155	75
61	156	76
	157	77
62	158	78
	159	79
	160	80
63	161	81

Table 25: SL BEAM 500 FX LED Luminaire Timing Channel Detail

% Value	DMX	= Seconds (unless noted)
	162	82
64	163	83
	164	84
	165	85
65	166	86
	167	87
66	168	88
	169	89
	170	90
67	171	91
	172	92
68	173	93
	174	94
	175	95
69	176	96
	177	97
	178	98
70	179	99
	180	100
71	181	101
	182	102
	183	103
72	184	104
	185	105
73	186	106
	187	107
	188	108
74	189	109
	190	110
75	191	111
	192	112
	193	113
76	194	114
	195	115
77	196	116
	197	117
	198	118
78	199	119
	200	120
79	201	121
	202	122
	203	123
80	204	124
	205	125
81	206	126
	207	127
	208	128
82	209	129
	210	130
	211	131
83	212	132

Table 25: SL BEAM 500 FX Luminaire Timing Channel Detail

% Value	DMX	= Seconds (unless noted)
	213	133
84	214	134
	215	135
	216	136
85	217	137
	218	138
86	219	139
	220	140
	221	141
87	222	142
	223	143
88	224	144
	225	145
	226	146
89	227	147
	228	148
	229	149
90	230	150
	231	151
91	232	152
	233	153
	234	154
92	235	155
	236	156
93	237	157
	238	158
	239	159
94	240	160
	241	161
95	242	162
	243	163
	244	164
96	245	165
	246	5 Minutes
97	247	15 Minutes
	248	30 Minutes
	249	60 Minutes
98	250*	60mS
	251*	80mS
99	252*	100mS
	253*	120mS
	254*	140mS
100	255* (Default)	160mS

Note: DMX values 250 to 255 provide smoothing when using console fade timing. DMX value 255(recommended default) will provide the smoothest timing.

RDM PARAMETER IDS

1. SL BEAM 500 FX LED Luminaire RDM Parameter IDs

The following tables outline and describe all the RDM parameters IDs associated with SL BEAM 500 FX LED Luminaires.

Table 26: SL BEAM 500 FX LED Luminaire RDM Product Parameters IDs

Model ID	Manufacturer	Model Description	Product Category
0x1250	Philips Entertain. Lighting Asia	SL BEAM 500FX (RGBW)	0x0509

Table 27: SL BEAM 500 FX LED Luminaire RDM UID

UID					
MSB of ESTA 50H	LSB of ESTA 41H	MSB of Unique Seq	LSB of Unique Seq	MSB of Unique Seq	LSB of Unique Seq

Table 28: SL BEAM 500 FX LED Luminaire RDM Parameters IDs

Get Allowed	Set Allowed	RDM Parameter IDs	Value	Comment	Implemented
		Category - Network Management			
		DISC_UNIQUE_BRANCH	0x0001		■
		DISC_MUTE	0x0002		■
		DISC_UN_MUTE	0x0003		■
■		PROXIED_DEVICES	0x0010		
■		PROXIED_DEVICES_COUNT	0x0011		
■	■	COMMS_STATUS	0x0015		
		Category - Status Collection			
■		QUEUED_MESSAGE	0x0020		■
■		STATUS_MESSAGES	0x0030		■
■		STATUS_ID_DESCRIPTION	0x0031		■
	■	CLEAR_STATUS_ID	0x0032		■
■	■	SUB_DEVICE_STATUS_REPORT_THRESHOLD	0x0033		
		Category - RDM Information			
■		SUPPORTED_PARAMETERS	0x0050	Support required only if supporting Parameters beyond the minimum required set.	■
■		PARAMETER_DESCRIPTION	0x0051	Support required for Manufacturer -Specific PIDs exposed in SUPPORTED_PARAMETERS message.	■

Table 28: SL BEAM 500 FX LED Luminaire RDM Parameters IDs

Get Allowed	Set Allowed	RDM Parameter IDs	Value	Comment	Implemented
		Category - Product Information			
■		DEVICE_INFO	0x0060		■
■		PRODUCT_DETAIL_ID_LIST	0x0070		
■		DEVICE_MODEL_DESCRIPTION	0x0080		■
■		MANUFACTURER_LABEL	0x0081		■
■	■	DEVICE_LABEL	0x0082		■
■	■	FACTORY_DEFAULTS	0x0090		■
■		LANGUAGE_CAPABILITIES	0x00A0		
■	■	LANGUAGE	0x00B0		
■		SOFTWARE_VERSION_LABEL	0x00C0		■
■		BOOT_SOFTWARE_VERSION_ID	0x00C1		
■		BOOT_SOFTWARE_VERSION_LABLE	0x00C2		
		Category - DMX512 Setup			
■	■	DMX_PERSONALITY	0x00E0		■
■		DMX_PERSONALITY_DESCRIPTION	0x00E1		■
■	■	DMX_START_ADDRESS	0x00F0	Required if device uses a DMX Slot	■
■		SLOT_INFO	0x0120		■
■		SLOT_DESCRIPTION	0x0121		■
■		DEFAULT_SLOT_VALUE	0x0122		
		Category - Sensors 0x02xx			
■		SENSOR_DEFINITION	0x0200		■
■	■	SENSOR_VALUE	0x0201		■
	■	RECORD_SENSORS	0x0202		
		Category - Dimmer Settings 0x03xx - FUTURE USE			
		Category - Power / Lamp Settings 0x04xx			
■	■	DEVICE_HOURS	0x0400		
■	■	LAMP_HOURS	0x0401		
■	■	LAMP_STRIKES	0x0402		
■	■	LAMP_STATE	0x0403		
■	■	LAMP_ON_MODE	0x0404		
■	■	DEVICE_POWER_CYCLES	0x0405		
		Category - Display Settings 0x05xx			
■	■	DISPLAY_INVERT	0x0500		■
■	■	DISPLAY_LEVEL	0x0501		
		Category - Configuration 0x06xx			
■	■	PAN_INVERT	0x0600		
■	■	TILT_INVERT	0x0601		
■	■	PAN_TILT_SWAP	0x0602		
■	■	REAL_TIME_CLOCK	0x0603		
		Category - Control 0x10xx			
■	■	IDENTIFY_DEVICE	0x1000		■
	■	RESET_DEVICE	0x1001		

Table 28: SL BEAM 500 FX LED Luminaire RDM Parameters IDs

Get Allowed	Set Allowed	RDM Parameter IDs	Value	Comment	Implemented
■	■	POWER_STATE	0x1010		
■	■	PERFORM_SELFTEST	0x1020		
■		SELF_TEST_DESCRIPTION	0x1021		
	■	CAPTURE_PRESET	0x1030		
■	■	PRESET_PLAYBACK	0x1031		

Table 29: SL BEAM 500 FX LED Luminaire RDM Parameter Status IDs

Manufacturer Specific messages are in the range of 0x8000 - 0xFFDF. Each Manufacturer-specific Status ID shall have a unique meaning, which shall be consistent across all products having a given Manufacturer ID. See Table B-2, ANSI E1.20-2010

Status ID Message	Value	Data Value 1	Data Value 2	Status ID Description
8100H		00H	00H	ALL OK

Table 30: SL BEAM 500 FX LED Luminaire RDM Parameter Specific PIDs

Get Allowed	Set Allowed	RDM Parameter IDs	Type	Length	Unit	Prefix	Min	Max	Default	Description
Category - Manufacturer Defined PIDs - Range is 0x80000-0xffdf(See ANSI E1.20-2010 Standard, Table A-3)										
■	■	8A00H	U8	1	NONE	NONE	0	100	100	DIMMER
■	■	8A04H	U8	1	NONE	NONE	0	100	100	Dimmer RED
■	■	8A05H	U8	1	NONE	NONE	0	100	100	Dimmer GREEN
■	■	8A06H	U8	1	NONE	NONE	0	100	100	Dimmer BLUE
■	■	8A07H	U8	1	NONE	NONE	0	100	100	Dimmer WHITE
■	■	8A0CH	U8	1	NONE	NONE	0	3	0	DMX FAIL MODE
■	■	8A40H	U16	1	NONE	NONE	0	1	0	Link Mode
■	■	8A41H	U16	1	NONE	NONE	0	1	0	Lock Fixture
■	■	8A42H	U8	1	NONE	NONE	0	1	0	Incandescent Effect
■	■	8A44H	U8	1	NONE	NONE	0	1	0	Calibration on/off setup
■	■	8A92H	U8	1	NONE	NONE	0	255	0	Strobe
■	■	8A93H	U8	1	NONE	NONE	0	255	0	Zoom
■	■	8A94H	U8	1	NONE	NONE	0	85	0	Duration
■	■	8A95H	U8	2	NONE	NONE	0	65535	0	PAN
■	■	8A96H	U8	2	NONE	NONE	0	65535	32768	TILT
■	■	8A97H	U8	1	NONE	NONE	0	1	0	Fan AUTO/OFF Setup
■	■	8AA0H	U8	1	NONE	NONE	0	4	0	Backlight Off time
■	■	8AA1H	U8	1	NONE	NONE	0	3	0	Dimming Curve
■	■	8AA2H	U8	1	NONE	NONE	0	94	0	Power UP Setup
■	■	8AB0H	U8	1	NONE	NONE	0	43	0	Color Filter
■	■	8AB1H	U8	1	NONE	NONE	0	31	0	Preset
■	■	8AB2H	U8	1	NONE	NONE	1	50	1	Chase
■	■	8AC0H	U8	1	NONE	NONE	0	255	255	Intensity Timing
■	■	8AC2H	U8	1	NONE	NONE	0	255	255	Color Timing
■	■	8AD3H	U8	1	NONE	NONE	0	1	0	FEEDBACK

CLEANING AND CARE

WARNING! All cleaning should be performed with power completely removed from the luminaire. Never remove protective covers when luminaire is powered. Wear appropriate protective eye wear and gloves when cleaning the fixture. All service and maintenance, other than described herein, should be performed by a qualified technician or Authorized Service Center.

1. Special Cleaning and Care Insturctions

Being a solid-state fixture, and unlike most fixtures, the SL BEAM 500 FX LED Luminaire requires very little routine maintenance by the user. This section covers portions of the luminaire that can be removed for cleaning.

The SL BEAM 5 00 FX LED Luminaries requires special care when it comes to cleaning front lens assembly. Additional care needs to be taken with the plastic components because they are much easier to scratch or damage than glass. The following is a list of cleaning materials required to care for your SL BEAM 500 FX LED Luminaire:

- Lint free lens tissue
- Lint or powder free gloves
- Reagent grade isopropyl alcohol*
- A mild soap solution

Note: *Reagent grade isopropyl alcohol is good to use on the SL BEAM 500 FX LED Luminaire plastic optics with anti-reflection coatings.

If the lens is still dirty after using isopropyl alcohol, for instance if fingerprints or oil is just redistributed and not cleaned off the optic, then a mild soap and water solution can be used to gently wash the lens. Repeat the cleaning with isopropyl alcohol to eliminate streaks and soap residue.

WARN ING! Under no circumstances should ammonia-based cleaners, acetone, or other harsh solvents be used on or near the SL BEAM 500 FX LED Luminaire. These types of cleaners or solvents can permanently damage the optics or housings of the fixture.

If you have any questions regarding the use or care of your SL BEAM 500 FX LED Luminaire, please contact Showline technical support or your local Authorized Dealer.

2. Front Lens Cleaning

To clean the front lens:

Step 1. Turn off luminaire and allow to cool completely.
Step 2. Apply a small amount of reagent grade isopropyl alcohol to lint-free lens tissue.
Step 3. Wipe all debris, dirt, fingerprints, etc. from lens.
Step 4. Using a second lint-free lens tissue, wipe off any alcohol residue.

3. Service and Maintenance

For all other service and maintenance issues, please contact your local Showline office or an Authorized Service Center.

TECHNICAL SPECIFICATIONS

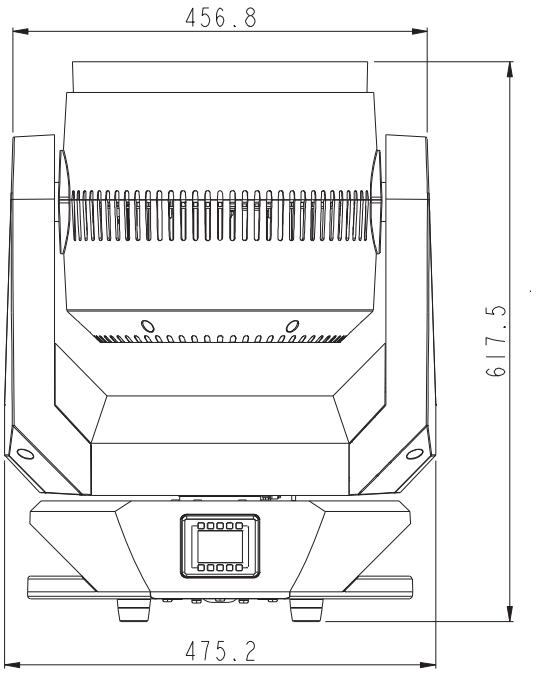
1. Operational Specifications

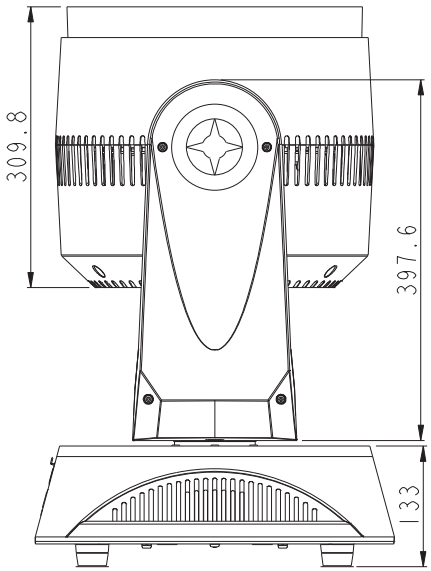
Source:	37 Osram 4-in-1 RGBW LED Array
Beam Angle:	5-36 Degrees
Light Output:	15000 lumens
Color Temerature:	2700 - 6500K (user adjustable)
Input Voltage:	100V to 240V(+/- 10%, auto-ranging)
Power Consumption:	1000 Watts(max).
Frequency:	50/60Hz
Control Protocols:	DMX512(1990) / DMX512A (RDM) / On-Board Menu
Ambient Temperature:	0 to 40 Degrees C (-4 to 104 Degrees F)
Humidity:	5%-95% Non condensing
Cooling:	Forced Air Cooling
Weight:	28.5kg (62.7 lbs) - Luminaire only (no mount, AC input cable or accessories)
Housing:	Die Cast aluminium with Powder Coating
Pan:	540 degrees (end to end less than 4s)
Tilt:	220 degrees (end to end less than 2s)
Compliance:	CE / C-Tick marked and ETL listed
IP Rating:	IP20

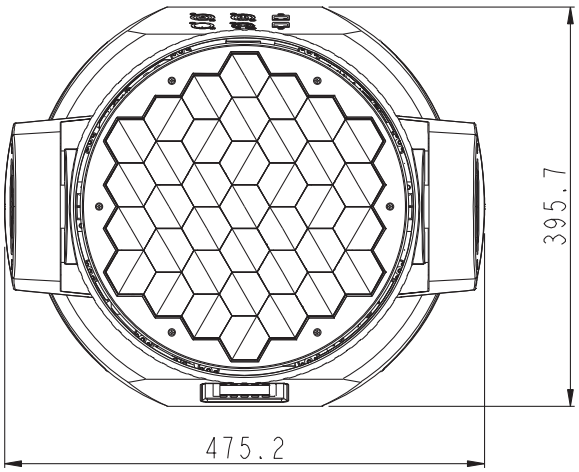
Note: Common model specifications shown. For specific model specifications, features, and accessories, refer to the product specification sheet for more details.

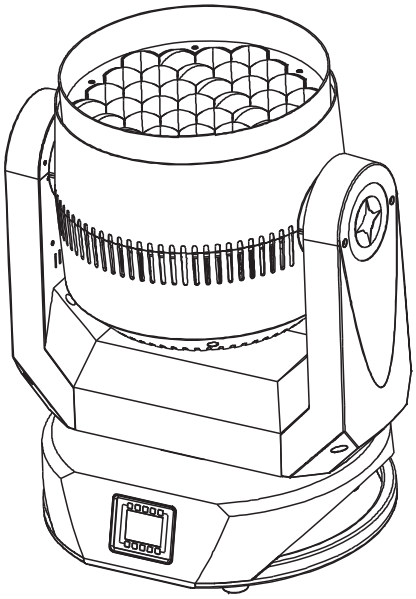
CE

2. Luminaire Dimensions









NOTE

Appendix

All patterns can be selected via external DMX/RDM console by their corresponding DMX value on Channel 18 and 19. DMX Channel 18 will select the pattern group and DMX Channel 19 will select an individual pattern. The combination of DMX channel 18 and 19 will locate the desired pattern precisely. Details are as below.

Orientation: Patterns are shown when looking at the front of a standing fixture; Head faced in direction of fixtures **front** label:DMX Pan @75, Tilt @230.

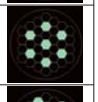
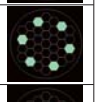
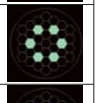
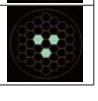
Channel 18	Channel 19	Pattern
6-13	6-20	
6-13	21-35	
6-13	36-50	
6-13	51-65	
6-13	66-80	
6-13	81-95	
6-13	96-110	
6-13	111-125	
6-13	126-140	
6-13	141-155	
6-13	156-170	
6-13	171-185	
6-13	186-200	

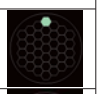
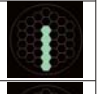
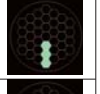
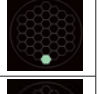
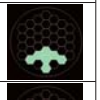
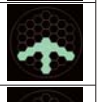
Channel 18	Channel 19	Pattern
14-21	6-10	
14-21	11-15	
14-21	16-20	
14-21	21-25	
14-21	26-30	
14-21	31-35	
14-21	36-40	
14-21	41-45	
14-21	46-50	
14-21	51-55	
14-21	56-60	
14-21	61-65	
14-21	66-70	
14-21	71-75	

Channel 18	Channel 19	Pattern
14-21	76-80	
14-21	81-85	
14-21	86-90	
14-21	91-95	
14-21	96-100	
14-21	101-105	
14-21	106-110	
14-21	111-115	
14-21	116-120	
14-21	121-125	
14-21	126-130	
14-21	131-135	
14-21	136-140	
14-21	141-145	

Channel 18	Channel 19	Pattern
14-21	146-150	
14-21	151-155	
14-21	156-160	
14-21	161-165	
14-21	166-170	
14-21	171-175	
14-21	176-200	

Channel 18	Channel 19	Pattern
22-29	6-37	
22-29	38-69	
22-29	70-101	
22-29	102-133	
22-29	134-165	
22-29	166-200	

Channel 18	Channel 19	Pattern
30-37	6-21	
30-37	22-37	
30-37	38-53	
30-37	54-69	
30-37	70-85	
30-37	86-101	
30-37	102-117	
30-37	118-133	
30-37	134-149	
30-37	150-165	
30-37	166-181	
30-37	182-200	

Channel 18	Channel 19	Pattern
38-45	6-8	
38-45	9-11	
38-45	12-14	
38-45	15-17	
38-45	18-20	
38-45	21-23	
38-45	24-26	
38-45	27-29	
38-45	30-32	
38-45	33-35	
38-45	36-38	
38-45	39-41	
38-45	42-44	
38-45	45-47	
38-45	48-50	
38-45	51-53	
38-45	54-56	
38-45	57-59	
38-45	60-62	
38-45	63-65	
38-45	66-68	
38-45	69-71	

Channel 18	Channel 19	Pattern
38-45	72-74	
38-45	75-77	
38-45	78-80	
38-45	81-83	
38-45	84-86	
38-45	87-89	
38-45	90-92	
38-45	93-95	
38-45	96-98	
38-45	99-101	
38-45	102-104	
38-45	105-107	
38-45	108-110	
38-45	111-113	
38-45	114-116	
38-45	117-119	
38-45	120-122	
38-45	123-125	
38-45	126-128	
38-45	129-131	
38-45	132-134	
38-45	135-137	

Channel 18	Channel 19	Pattern
38-45	138-140	
38-45	141-143	
38-45	144-146	
38-45	147-149	
38-45	150-152	
38-45	153-155	
38-45	156-158	
38-45	159-161	
38-45	162-164	
38-45	165-167	
38-45	168-170	
38-45	171-173	
38-45	174-200	

Channel 18	Channel 19	Pattern
46-53	6-10	
46-53	11-15	
46-53	16-20	
46-53	21-25	
46-53	26-30	
46-53	31-35	
46-53	36-40	
46-53	41-45	
46-53	46-50	
46-53	51-55	
46-53	56-60	
46-53	61-65	
46-53	66-70	
46-53	71-75	
46-53	76-80	
46-53	81-85	
46-53	86-90	
46-53	91-95	
46-53	96-100	
46-53	101-105	
46-53	106-110	
46-53	111-115	

Channel 18	Channel 19	Pattern
46-53	116-120	
46-53	121-125	
46-53	126-130	
46-53	131-135	
46-53	136-140	
46-53	141-145	
46-53	146-150	
46-53	151-155	
46-53	156-160	
46-53	161-165	
46-53	166-170	
46-53	171-175	
46-53	176-180	
46-53	181-185	
46-53	186-200	

Channel 18	Channel 19	Pattern
54-61	6-18	
54-61	19-31	
54-61	32-44	
54-61	45-57	
54-61	58-70	
54-61	71-83	
54-61	84-96	
54-61	97-109	
54-61	110-122	
54-61	123-135	
54-61	136-148	
54-61	149-161	
54-61	162-174	
54-61	175-200	

Channel 18	Channel 19	Pattern
62-69	6-9	
62-69	10-13	
62-69	14-17	
62-69	18-21	
62-69	22-25	
62-69	26-29	
62-69	30-33	
62-69	34-37	
62-69	38-41	
62-69	42-45	
62-69	46-49	
62-69	50-53	
62-69	54-57	
62-69	58-61	
62-69	62-65	
62-69	66-69	
62-69	70-73	
62-69	74-77	
62-69	78-81	
62-69	82-85	
62-69	86-89	
62-69	90-93	
62-69	94-97	

Showline

Channel 18	Channel 19	Pattern
62-69	98-101	
62-69	102-105	
62-69	106-109	
62-69	110-113	
62-69	114-117	
62-69	118-121	
62-69	122-125	
62-69	126-129	
62-69	130-133	
62-69	134-137	
62-69	138-141	
62-69	142-145	
62-69	146-149	
62-69	150-153	
62-69	154-157	
62-69	158-161	
62-69	162-165	
62-69	166-169	
62-69	170-200	

Channel 18	Channel 19	Pattern
70-77	6-29	
70-77	30-53	
70-77	54-77	
70-77	78-101	
70-77	102-125	
70-77	126-149	
70-77	150-173	
70-77	174-200	

Channel 18	Channel 19	Pattern
78-85	6-10	
78-85	11-15	
78-85	16-20	
78-85	21-25	
78-85	26-30	
78-85	31-35	
78-85	36-40	
78-85	41-45	
78-85	46-50	
78-85	51-55	
78-85	56-60	
78-85	61-65	
78-85	66-70	
78-85	71-75	
78-85	76-80	
78-85	81-85	
78-85	86-90	
78-85	91-95	
78-85	96-100	
78-85	101-105	
78-85	106-110	
78-85	111-115	

Channel 18	Channel 19	Pattern
78-85	116-120	
78-85	121-125	
78-85	126-130	
78-85	131-135	
78-85	136-140	
78-85	141-145	
78-85	146-150	
78-85	151-155	
78-85	156-160	
78-85	161-165	
78-85	166-170	
78-85	171-200	

Channel 18	Channel 19	Pattern
94-101	6-26	
94-101	27-47	
94-101	48-68	
94-101	69-89	
94-101	90-110	
94-101	111-131	
94-101	132-152	
94-101	153-173	
94-101	174-200	

Channel 18	Channel 19	Pattern
86-93	6-21	
86-93	22-37	
86-93	38-53	
86-93	54-69	
86-93	70-85	
86-93	86-101	
86-93	102-117	
86-93	118-133	
86-93	134-149	
86-93	150-165	
86-93	166-181	
86-93	182-200	

Channel 18	Channel 19	Pattern
102-109	6-15	
102-109	16-25	
102-109	26-35	
102-109	36-45	
102-109	46-55	
102-109	56-65	
102-109	66-75	
102-109	76-85	
102-109	86-95	
102-109	96-105	
102-109	106-115	
102-109	116-125	
102-109	126-135	
102-109	136-145	
102-109	146-155	
102-109	156-165	
102-109	166-175	
102-109	176-185	
102-109	186-200	

Channel 18	Channel 19	Pattern
110-117	6-10	
110-117	11-15	
110-117	16-20	
110-117	21-25	
110-117	26-30	
110-117	31-35	
110-117	36-40	
110-117	41-45	
110-117	46-50	
110-117	51-55	
110-117	56-60	
110-117	61-65	
110-117	66-70	
110-117	71-75	
110-117	76-80	
110-117	81-85	
110-117	86-90	
110-117	91-95	
110-117	96-100	
110-117	101-105	
110-117	106-110	
110-117	111-115	

Channel 18	Channel 19	Pattern
110-117	116-120	
110-117	121-125	
110-117	126-130	
110-117	131-135	
110-117	136-140	
110-117	141-145	
110-117	146-150	
110-117	151-155	
110-117	156-160	
110-117	161-165	
110-117	166-170	
110-117	171-200	

Showline

Channel 18	Channel 19	Pattern
118-125	6-13	
118-125	14-21	
118-125	22-29	
118-125	30-37	
118-125	38-45	
118-125	46-53	
118-125	54-61	
118-125	62-69	
118-125	70-77	
118-125	78-85	
118-125	86-93	
118-125	94-101	

Channel 18	Channel 19	Pattern
118-125	102-109	
118-125	110-117	
118-125	118-125	
118-125	126-133	
118-125	134-141	
118-125	142-149	
118-125	150-157	
118-125	158-165	
118-125	166-173	
118-125	174-181	
118-125	182-189	
118-125	190-200	

Channel 18	Channel 19	Pattern
126-133	6-21	
126-133	22-37	
126-133	38-53	
126-133	54-69	
126-133	70-85	
126-133	86-101	
126-133	102-117	
126-133	118-133	
126-133	134-149	
126-133	150-165	
126-133	166-181	
126-133	182-200	

Channel 18	Channel 19	Pattern
134-141	6-21	
134-141	22-37	
134-141	38-53	
134-141	54-69	
134-141	70-85	
134-141	86-101	
134-141	102-117	
134-141	118-133	
134-141	134-149	
134-141	150-165	
134-141	166-181	
134-141	182-200	

Channel 18	Channel 19	Pattern
142-149	6-29	
142-149	30-53	
142-149	54-77	
142-149	78-101	
142-149	102-125	
142-149	126-149	
142-149	150-173	
142-149	174-200	

Channel 18	Channel 19	Pattern
150-157	6-7	
150-157	8-9	
150-157	10-11	
150-157	12-13	
150-157	14-15	
150-157	16-17	
150-157	18-19	
150-157	20-21	
150-157	22-23	
150-157	24-25	
150-157	26-27	
150-157	28-29	
150-157	30-31	
150-157	32-33	
150-157	34-35	
150-157	36-37	
150-157	38-39	
150-157	40-41	
150-157	42-43	
150-157	44-45	

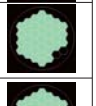
Channel 18	Channel 19	Pattern
150-157	46-47	
150-157	48-49	
150-157	50-51	
150-157	52-53	
150-157	54-55	
150-157	56-57	
150-157	58-59	
150-157	60-61	
150-157	62-63	
150-157	64-65	
150-157	66-67	
150-157	68-69	
150-157	70-71	
150-157	72-73	
150-157	74-75	
150-157	76-77	
150-157	78-79	
150-157	80-81	
150-157	82-83	
150-157	84-85	

Channel 18	Channel 19	Pattern
150-157	86-87	
150-157	88-89	
150-157	90-91	
150-157	92-93	
150-157	94-95	
150-157	96-97	
150-157	98-99	
150-157	100-101	
150-157	102-103	
150-157	104-105	
150-157	106-107	
150-157	108-109	
150-157	110-111	
150-157	112-113	
150-157	114-115	
150-157	116-117	
150-157	118-119	
150-157	120-121	
150-157	122-123	
150-157	124-125	

Channel 18	Channel 19	Pattern
150-157	126-127	
150-157	128-129	
150-157	130-131	
150-157	132-133	
150-157	134-135	
150-157	136-137	
150-157	138-139	
150-157	140-141	
150-157	142-143	
150-157	144-145	
150-157	146-147	
150-157	148-200	

Showline

Channel 18	Channel 19	Pattern
158-165	6-10	
158-165	11-15	
158-165	16-20	
158-165	21-25	
158-165	26-30	
158-165	31-35	
158-165	36-40	
158-165	41-45	
158-165	46-50	
158-165	51-55	
158-165	56-60	
158-165	61-65	
158-165	66-70	
158-165	71-75	
158-165	76-80	
158-165	81-85	
158-165	86-90	
158-165	91-95	
158-165	96-100	
158-165	101-105	
158-165	106-110	
158-165	111-115	

Channel 18	Channel 19	Pattern
158-165	116-120	
158-165	121-125	
158-165	126-130	
158-165	131-135	
158-165	136-140	
158-165	141-145	
158-165	146-150	
158-165	151-155	
158-165	156-160	
158-165	161-165	
158-165	166-170	
158-165	171-175	
158-165	176-180	
158-165	181-185	
158-165	186-200	

Channel 18	Channel 19	Pattern
166-173	6-22	
166-173	23-39	
166-173	40-56	
166-173	57-73	
166-173	74-90	
166-173	91-107	
166-173	108-124	
166-173	125-141	
166-173	142-158	
166-173	159-175	
166-173	176-200	

Channel 18	Channel 19	Pattern
174-181	6-22	
174-181	23-39	
174-181	40-56	
174-181	57-73	
174-181	74-90	
174-181	91-107	
174-181	108-124	
174-181	125-141	
174-181	142-158	
174-181	159-175	
174-181	176-200	

Channel 18	Channel 19	Pattern
182-189	6-29	
182-189	30-53	
182-189	54-77	
182-189	78-101	
182-189	102-125	
182-189	126-149	
182-189	150-173	
182-189	174-200	

Channel 18	Channel 19	Pattern
190-197	6-15	
190-197	16-25	
190-197	26-35	
190-197	36-45	
190-197	46-55	
190-197	56-65	
190-197	66-75	
190-197	76-85	
190-197	86-95	
190-197	96-105	
190-197	106-115	
190-197	116-125	
190-197	126-135	
190-197	136-145	
190-197	146-155	
190-197	156-165	
190-197	166-175	
190-197	176-185	
190-197	186-200	

Channel 18	Channel 19	Pattern
198-205	6-8	
198-205	9-11	
198-205	12-14	
198-205	15-17	
198-205	18-20	
198-205	21-23	
198-205	24-26	
198-205	27-29	
198-205	30-32	
198-205	33-35	
198-205	36-38	
198-205	39-41	
198-205	42-44	
198-205	45-47	
198-205	48-50	
198-205	51-53	
198-205	54-56	
198-205	57-59	
198-205	60-62	
198-205	63-65	
198-205	66-68	
198-205	69-71	

Channel 18	Channel 19	Pattern
198-205	72-74	
198-205	75-77	
198-205	78-80	
198-205	81-83	
198-205	84-86	
198-205	87-89	
198-205	90-92	
198-205	93-95	
198-205	96-98	
198-205	99-101	
198-205	102-104	
198-205	105-107	
198-205	108-110	
198-205	111-113	
198-205	114-116	
198-205	117-119	
198-205	120-122	
198-205	123-125	
198-205	126-128	
198-205	129-131	
198-205	132-134	
198-205	135-137	

Channel 18	Channel 19	Pattern
198-205	138-140	
198-205	141-143	
198-205	144-146	
198-205	147-149	
198-205	150-152	
198-205	153-155	
198-205	156-158	
198-205	159-161	
198-205	162-164	
198-205	165-200	

Channel 18	Channel 19	Pattern
206-213	6-24	
206-213	25-43	
206-213	44-62	
206-213	63-81	
206-213	82-100	
206-213	101-119	
206-213	120-138	
206-213	139-157	
206-213	158-176	
206-213	177-200	

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Channel 18	Channel 19	Pattern
214-221	6-21	
214-221	22-37	
214-221	38-53	
214-221	54-69	
214-221	70-85	
214-221	86-101	
214-221	102-117	
214-221	118-133	
214-221	134-149	
214-221	150-165	
214-221	166-181	
214-221	182-200	

Channel 18	Channel 19	Pattern
222-229	6-12	
222-229	13-19	
222-229	20-26	
222-229	27-33	
222-229	34-40	
222-229	41-47	
222-229	48-54	
222-229	55-61	
222-229	62-68	
222-229	69-75	
222-229	76-82	
222-229	83-89	
222-229	90-96	

Channel 18	Channel 19	Pattern
222-229	97-103	
222-229	104-110	
222-229	111-117	
222-229	118-124	
222-229	125-131	
222-229	132-138	
222-229	139-145	
222-229	146-152	
222-229	153-159	
222-229	160-166	
222-229	167-173	
222-229	174-180	
222-229	181-200	

Channel 18	Channel 19	Pattern
230-237	6-24	
230-237	25-43	
230-237	44-62	
230-237	63-81	
230-237	82-100	
230-237	101-119	
230-237	120-138	
230-237	139-157	
230-237	158-176	
230-237	177-200	

Channel 18	Channel 19	Pattern
238-245	6-10	
238-245	11-15	
238-245	16-20	
238-245	21-25	
238-245	26-30	
238-245	31-35	
238-245	36-40	
238-245	41-45	
238-245	46-50	
238-245	51-55	
238-245	56-60	
238-245	61-65	
238-245	66-70	
238-245	71-75	
238-245	76-80	
238-245	81-85	
238-245	86-90	
238-245	91-95	
238-245	96-100	
238-245	101-105	
238-245	106-110	
238-245	111-115	

Channel 18	Channel 19	Pattern
238-245	116-120	
238-245	121-125	
238-245	126-130	
238-245	131-135	
238-245	136-140	
238-245	141-145	
238-245	146-150	
238-245	151-155	
238-245	156-160	
238-245	161-165	
238-245	166-170	
238-245	171-200	

Channel 18	Channel 19	Pattern
246-253	6-18	
246-253	19-31	
246-253	32-44	
246-253	45-57	
246-253	58-70	
246-253	71-83	
246-253	84-96	
246-253	97-109	
246-253	110-122	
246-253	123-135	
246-253	136-148	
246-253	149-161	
246-253	162-174	
246-253	175-200	

Channel 18	Channel 19	Pattern
254-255	6-18	
254-255	19-31	
254-255	32-44	
254-255	45-57	
254-255	58-70	
254-255	71-83	
254-255	84-96	
254-255	97-109	
254-255	110-122	
254-255	123-135	
254-255	136-148	
254-255	149-161	
254-255	162-174	
254-255	175-200	

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