THE

user manual

for

Cyclorama Series

Mark-II

rev. 26/03/2026

Part 1. Safety instructions

This manual contains all the safety information required for the appropriate use of the fixture. It shall be carefully read it and stored for future requirements.

Spotlight sc will not be responsible for any damage to the fixture itself, to other objects or people due to improper installation or use of the fixture either than hereinafter specified. Additionally, you are required to download the User Manual from www.spotlight.it for a comprehensive knowledge al each and all functions.

UNPACKING

Remove the fixture from its package and make sure no damage incurred during transport. In the event of damages, a report or claim shall be issued to the transport agent and the seller to start the repair or replacement process.

PRINTED NOTES ON THE FIXTURES

A label of the fixture' side displays the following information:

- Model part number
- Mains a.c.~ voltage (V)
- Power (W)
- Frequency (Hz)
- Protection rate (IP 20)
- ta max: maximum ambient temperature allowed (°C)
- t max: external surface temperature at thermal regime (°C)
- ……X m minimum recommended distance between the fixture and the lighted object (m)
- 

Risk Group 2, in compliance with EN62471. Do not face directly the light source as it might damage your eyesight.
- **Photo-Biological safety**: do not stare at the light source while functioning
-  **Dispose of waste**: in compliance to 2012/19/EU, this fixture shall be disposed according to proper waste-class regulation

INSTALLATION

- This fixture is designed only for professional use, not for domestic use or handling
- This fixture can be either hung from top or fitted onto a tripod
- Make sure the hanging point is safe and stable. Additionally add a safety rope if required by local safety regulation
- Do not focus the light beam straight onto somebody's eyes

ELECTRICAL CONNECTION

Electrical wiring, plugging and cabling shall be made by professional or qualified technicians. Before and during installation, attend to the following procedures:

- Check that Mains Voltage and Frequency comply with what printed on the fisture's label
- Always check the Mains line is properly grounded
- Check the working power of the fixture, as printed on its label, to prevent from line overload
- This fixtures is foreseen for indoor use: it shall be protected from rain and humidity if used under different conditions (IP 20)

MAINTENANCE

Do not open the fixture before disconnecting from the mains: an electrical shock might occur. A complete inspection shall be made once a year to check the electrical and mechanical parts' integrity and the software upgrades. Repairs shall be made by the manufacturer only or its appointed after-sale service center. After cleaning, the lenses shall be re-assembled and, if scratched or ruined, they shall be replaced with original parts.

COMPLIANCE

This products complies with the European Directives:

- 2014/35/EU: Safety on Low Voltage Directive LVD
- 2014/30/EU: Electromagnetic Compatibility EMC
- 2011/65/EU: Restriction of Hazardous Substances Directive RoHS

CE

Part 2. General info

LED Power	Powercon daisy chain	Cold start Inrush current	Type	LED Source		
				RGBW	RGBA	8FC
300W	Total load max 16A - 3,5KW	80A/230VAC	Cyclorama	**3** Firmware 1.01		
600W		40A/230VAC	Cyclorama		**6** **Mark-II** Firmware 1.03	**7** **Mark-II** Firmware 1.07

DISPLAY

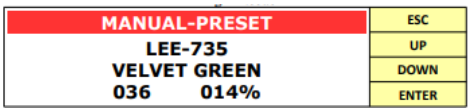
When switched on, the installed software version is displayed, followed by the display of the default settings, ie the currently set operating mode.

	RGBW	RGBA	8FC

If the luminaire is DMX controlled, after 3 seconds the display will show the mode and DMX address.

Otherwise it will show the potentiometers status.

By pressing the ENTER (or SETUP) button you access the SETTINGS.
With the PREV and NEXT buttons you can scroll the items list which in case of value type entries will have the function of increasing (+) or decreasing (-) the values.
The ENTER button allows to access the submenu and change the values which can be confirmed by pressing ENTER or canceled with the BACK button, which can be used also to exit the submenu and go back to the main menu.



Display **Mark-II**

Red band: the working list of PRESET. There are 3 lists:
- MANUAL PRESET: CCT (9) + LEE FILTERS (66) + custom (10)
- MANUAL COLOUR: LEE filters (66) + custom (19)
- MANUAL CCT: CCT (36)

To move from one list of presets to another use the arrows

- Filter name + filter code
- CCT

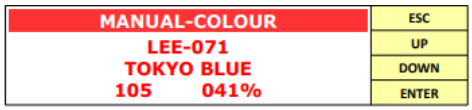
- Dimmer value 0 – 100%
- Dimmer value 0 – 255

When switched on, the fixture recalls the last saved dimmer and preset value.

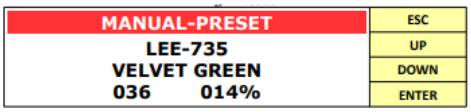
How to save a preset:
1. select the desired dimmer and preset values
2. press and hold the red encoder (CCT/COLOUR WHEEL) for 3 seconds
3. saving will be confirmed by the red color of the text

Note:
- if you change the dimmer, the color goes from red to yellow (and when you go back to the saved value it goes back to red)
- if you change the preset, the color goes from red to white

If the fixture is connected to a DMX console, the encoders are automatically disabled. If you need to activate the encoders without disconnecting the fixture from the console, press and hold the first button from the top for 2 seconds. To exit this mode, just hold down the same button for 2 seconds.







All the luminaires are designed to be used in different operating modes:

- LOCAL ENCODER
- DMX
- RDM
- STAND ALONE (only for RGBW, 6C, 8C)

The fixture have the possibility to able and disable to potentiometers/encoders

If the potentiometers/encoders are active:

a. in absence of the DMX signal the fixture is controlled via potenziometers/encorders
b. in presence of the fixture receive a relevant DMX signal, the potenziometers/encorders are ignored
c. if the DMX input is removed or lost, the last DMX level is kept until you act on the potenziometers/encorders, which will set the new value

If the potentiometers/encoders are disable the fixture can be controlled only via DMX (or **MASTER-SLAVE** function)

Part 3. Settings

This section lists all the menu functions, highlighting, for each of them, in which group they are present.

			Values	RGBW	RGBA	8FC	How to…
DMX SETTINGS	DMX ADDRESS		001 (default) - … - xxx	YES	YES	YES	How to set the DMX address and DMX personality
	DMX PERSONALITY		See related table	See related table	See related table	See related table	
	WIRELESS DMX Mark-II	ACTIVATION	ON OFF (default)	YES	YES		
		SHoW ID	24100 - …- 24300 (default) - … - 24359	YES	YES		
		SHoW KEY	000 (default) - … - 500	YES	YES		
STAND ALONE	STANDALONE SET		DISABLED (default) STDALONE MANUAL STDALONE AUTO SCENE MASTER MANUAL MASTER AUTO SCENE SLAVE	YES	YES	YES	How to set the stand alone and master-slave functions
	MANUAL MODE			YES	YES	YES	
	AUTO SCENE MODE			YES	YES	YES	
	CUSTOM PRESETS			YES	YES	YES	
OPTIONS	LED DELAY		OFF - 50 - … - 1000 (default) - … - 2000ms	YES	YES	YES	How to emulate the performance of halogen lamp
	DIMMING CURVE		LINEAR (1) HALO (2) QUADRATIC (default) (3) GAMMA 2.6 (4) Mark-II GAMMA 2.8 (5) Mark-II S (6) Mark-II	YES 1-2-3	YES	YES	
	AMBER SHIFT		ON OFF (default)	-	YES	YES	
	OUTPUT FREQUENCY		500 - 501 - … - 1200 (default) - … - 20000 Hz	YES	YES	YES	How to remove flickering
	LED BOOST		ON OFF (default)	YES	YES	YES	How to increase +20% light output
	FAN MODE		AUTO (default) STANDARD SILENT *remote control over DMX*	YES	YES	YES	How to set the silent mode
	DISPLAY ROTATION		STANDARD (default) ROTATED	YES	YES	YES	How to set the display
	DISPLAY ON/OFF		ON (default) OFF	YES	YES	YES	
	MANUAL CONTROL Mark-II		ON (default) OFF	-	YES	YES	Abilita/disabilita il funzionamento degli encoder
	CURRENT MODULATION Mark-II		ON (default) OFF	-	-	-	
	LED CALIBRATION	RED	0..255 (default)	YES	YES		How to set LED calibration
		GREEN	0..255 (default)	YES	YES		
		BLU	0..255 (default)	YES	YES		
		WHITE	0..255 (default)	YES			
		AMBER	0..255 (default)	-	YES		
		CYAN	0..255 (default)	-	-		
		LIME	0..255 (default)	-	-		
	DEFAULT SET*			YES	YES	YES	How to back to the default settings
	FACTORY SETTINGS**			YES	YES	YES	
INFO	LED TEMPERATURE		°C	YES	YES	YES	
	BOARD TEMPERATURE Mark-II			-	YES	YES	
	MICRO-PROCESSOR TEMPEARURE Mark-II			-	YES	YES	
	LED TIME			-	-	-	
	RED LED TIME		hr - min	YES	YES	YES	
	GREEN LED TIME		hr - min	YES	YES	YES	
	BLU LED TIME		hr - min	YES	YES	YES	
	WHITE LED TIME		hr - min	YES	-	-	
	AMBER LED TIME		hr - min	-	YES	YES	
	CYAN LED TIME		hr - min	-	-	YES	
	LIME LED TIME		hr - min	-	-	YES	
	WARM WHITE TIME		hr - min	-	-	YES	
	COLD WHITE TIME		hr - min	-	-	YES	
	UNIT TIME		hr - min	YES	YES	YES	
	SOFTWARE VERSION		V. .... Release date	YES	YES	YES	

*DEFAULT SET: It brings the parameters back to the "original built-in settings" (i.e. fan speed, dimming curve, delay…) as they came out from Factory
**FACTORY SETTINGS: Password-protected menu, used by Spotlight Tech. Dept to apply special settings (limit the current, working hours reset, limit the power consumption, …). These parameters do NOT affect the "default settings" NOTE: Not for final users

Part 4. DMX personalities

The following sections present the **Personalities**, also called **DMX charts**, available for each group to allow the lighting designer to choose which mode to operate the fixture based on the parameters he decides to control and the number of channels available on the console he is using.

RGBW

8 bit	EASY		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	CCT PRESET	See related table	
3 ch	COLOUR PRESET	See related table	

Note: CCT PRESET has priority over COLOUR PRESET

8 bit	HSI		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	HUE	0..255	Sequence: R, R+G, G, G+B, B, B+R, R
3 ch	HUE FINE	0..255	Selection of the colour - fine
4 ch	SATURATION	0..255	from OFF (0) to full (255)
5 ch	STROBO & STORE	See related table	
6 ch	SERVICE	See related table	

8 bit	CMY		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	CYAN	0..255	from OFF (0) to full (255)
3 ch	MAGENTA	0..255	from OFF (0) to full (255)
4 ch	YELLOW	0..255	from OFF (0) to full (255)
5 ch	STROBO & STORE	See related table	
6 ch	SERVICE	See related table	

8 bit	RGBW		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	RED	0..255	from OFF (0) to full (255)
3 ch	GREEN	0..255	from OFF (0) to full (255)
4 ch	BLUE	0..255	from OFF (0) to full (255)
5 ch	WHITE	0..255	from OFF (0) to full (255)
6 ch	CCT PRESET	See related table	
7 ch	COLOUR PRESET	See related table	
8 ch	STROBO & STORE	See related table	
9 ch	SERVICE	See related table	

16 bit	FULL		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	RED	0..255	from OFF (0) to full (255)
4 ch	RED FINE	0..255	from OFF (0) to full (255)
5 ch	GREEN	0..255	from OFF (0) to full (255)
6 ch	GREEN FINE	0..255	from OFF (0) to full (255)
7 ch	BLUE	0..255	from OFF (0) to full (255)
8 ch	BLUE FINE	0..255	from OFF (0) to full (255)
9 ch	WHITE	0..255	from OFF (0) to full (255)
10 ch	WHITE FINE	0..255	from OFF (0) to full (255)
11 ch	COLOUR PRESET	See related table	
12 ch	CCT PRESET	See related table	
13 ch	DELAY	See related table	
14 ch	FAN	0..255	from minimum to maximum
15 ch	STROBO & STORE	See related table	
16 ch	SERVICE	See related table	

RGBA

8 bit	EASY		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	ROSCO FILTERS **Mark-II**	See related table	
3 ch	LEE FILTERS **Mark-II**	See related table	
4 ch	CCT PRESET	See related table	

Note: CCT PRESET has priority over COLOUR PRESET

8 bit	HSIC		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	HUE	0..255	Sequence: R, R+L, R+G+L, G+L, G, G+C, G+B+C, B+C, B, B+A, R+B+A, R+A, R
3 ch	HUE FINE	0..255	Selection of the colour - fine
4 ch	SATURATION	0..255	from OFF (0) to full (255) → to dim the channel of CCT LINEAR
5 ch	CCT LINEAR	See related table	
6 ch	STROBO & STORE	See related table	
7 ch	SERVICE	See related table	

8 bit	xxx		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	RED	0..255	from OFF (0) to full (255)
3 ch	GREEN	0..255	from OFF (0) to full (255)
4 ch	BLUE	0..255	from OFF (0) to full (255)
5 ch	AMBER	0..255	from OFF (0) to full (255)
6 ch	STROBO & STORE	See related table	
7 ch	SERVICE	See related table	

16 bit	xxx		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	RED	0..255	from OFF (0) to full (255)
4 ch	RED FINE	0..255	from OFF (0) to full (255)
5 ch	GREEN	0..255	from OFF (0) to full (255)
6 ch	GREEN FINE	0..255	from OFF (0) to full (255)
7 ch	BLUE	0..255	from OFF (0) to full (255)
8 ch	BLUE FINE	0..255	from OFF (0) to full (255)
9 ch	AMBER	0..255	from OFF (0) to full (255)
10 ch	AMBER FINE	0..255	from OFF (0) to full (255)

8 bit	MANUAL COLOUR		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)

16 bit	STUDIO		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	RED	0..255	from OFF (0) to full (255)
4 ch	RED FINE	0..255	from OFF (0) to full (255)
5 ch	GREEN	0..255	from OFF (0) to full (255)
6 ch	GREEN FINE	0..255	from OFF (0) to full (255)
7 ch	BLUE	0..255	from OFF (0) to full (255)
8 ch	BLUE FINE	0..255	from OFF (0) to full (255)
9 ch	AMBER	0..255	from OFF (0) to full (255)
10 ch	AMBER FINE	0..255	from OFF (0) to full (255)
11 ch	ROSCO FILTERS **Mark-II**	See related table	
12 ch	LEE FILTERS **Mark-II**	See related table	
13 ch	CCT STEPS	See related table	
14 ch	GREEN +/-	0..15 16..126 127..144 145..255	OFF MINUS GREEN - ZERO POINT - CENTER PLUS GREEN +
15 ch	DELAY	See related table	
16 ch	FAN	0..255	from minimum to maximum
17 ch	STROBO & STORE	See related table	
18 ch	SERVICE	See related table	
19 ch	FREE 1 **Mark-II**	(for future use)	
20 ch	FREE 2 **Mark-II**	(for future use)	

16 bit	THEATRE		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	RED	0..255	from OFF (0) to full (255)
4 ch	RED FINE	0..255	from OFF (0) to full (255)
5 ch	GREEN	0..255	from OFF (0) to full (255)
6 ch	GREEN FINE	0..255	from OFF (0) to full (255)
7 ch	BLUE	0..255	from OFF (0) to full (255)
8 ch	BLUE FINE	0..255	from OFF (0) to full (255)
9 ch	AMBER	0..255	from OFF (0) to full (255)
10 ch	AMBER FINE	0..255	from OFF (0) to full (255)
11 ch	ROSCO FILTERS **Mark-II**	See related table	
12 ch	LEE FILTERS **Mark-II**	See related table	
13 ch	SATURATION	0..255	from OFF (0) to full (255) → to dim the channel of CCT LINEAR
14 ch	CCT LINEAR	See related table	
23 ch 15 ch	GREEN +/-	0..15 16..126 127..144 145..255	OFF MINUS GREEN - ZERO POINT - CENTER PLUS GREEN +
16 ch	DELAY	See related table	
17 ch	FAN	0..255	from minimum to maximum
18 ch	STROBO & STORE	See related table	
19 ch	SERVICE	See related table	
20 ch	FREE 1 **Mark-II**	(for future use)	
21 ch	FREE 2 **Mark-II**	(for future use)	

Note: CCT LINEAR has priority over COLOUR PRESET has priority over manual selected colours (from channel 3 to 14)

8 FULL-COLOURS

8 bit	EASY		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	ROSCO FILTERS **Mark-II**	See related table	
3 ch	LEE FILTERS **Mark-II**	See related table	
4 ch	CCT PRESET	See related table	

Note: CCT PRESET has priority over COLOUR PRESET

8 bit	HSIC		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	HUE	0..255	Sequence: R, R+L, R+G+L, G+L, G, G+C, G+B+C, B+C, B, B+A, R+B+A, R+A, R
3 ch	HUE FINE	0..255	Selection of the colour - fine
4 ch	SATURATION	0..255	from OFF (0) to full (255) → to dim the channel of CCT LINEAR
5 ch	CCT LINEAR	See related table	
6 ch	STROBO & STORE	See related table	
7 ch	SERVICE	See related table	

8 bit	RRGBBACM		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	RED	0..255	from OFF (0) to full (255)
3 ch	PHOTO RED	0..255	from OFF (0) to full (255)
4 ch	GREEN	0..255	from OFF (0) to full (255)
5 ch	BLUE	0..255	from OFF (0) to full (255)
6 ch	ROYAL BLUE	0..255	from OFF (0) to full (255)
7 ch	AMBER	0..255	from OFF (0) to full (255)
8 ch	CYAN	0..255	from OFF (0) to full (255)
9 ch	MINT	0..255	from OFF (0) to full (255)
10 ch	STROBO & STORE	See related table	
11 ch	SERVICE	See related table	

16 bit	RRGBBACM		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	RED	0..255	from OFF (0) to full (255)
4 ch	RED FINE	0..255	from OFF (0) to full (255)
5 ch	PHOTO RED	0..255	from OFF (0) to full (255)
6 ch	PHOTO RED FINE	0..255	from OFF (0) to full (255)
7 ch	GREEN	0..255	from OFF (0) to full (255)
8 ch	GREEN FINE	0..255	from OFF (0) to full (255)
9 ch	BLUE	0..255	from OFF (0) to full (255)
10 ch	BLUE FINE	0..255	from OFF (0) to full (255)
11 ch	ROYAL BLUE	0..255	from OFF (0) to full (255)
12 ch	ROYAL BLUE FINE	0..255	from OFF (0) to full (255)
13 ch	AMBER	0..255	from OFF (0) to full (255)
14 ch	AMBER FINE	0..255	from OFF (0) to full (255)
15 ch	CYAN	0..255	from OFF (0) to full (255)
16 ch	CYAN FINE	0..255	from OFF (0) to full (255)
17 ch	MINT	0..255	from OFF (0) to full (255)
18 ch	MINT FINE	0..255	from OFF (0) to full (255)

8 bit	MANUAL COLOUR		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)

16 bit	STUDIO		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	RED	0..255	from OFF (0) to full (255)
4 ch	RED FINE	0..255	from OFF (0) to full (255)
5 ch	PHOTO RED	0..255	from OFF (0) to full (255)
6 ch	PHOTO RED FINE	0..255	from OFF (0) to full (255)
7 ch	GREEN	0..255	from OFF (0) to full (255)
8 ch	GREEN FINE	0..255	from OFF (0) to full (255)
9 ch	BLUE	0..255	from OFF (0) to full (255)
10 ch	BLUE FINE	0..255	from OFF (0) to full (255)
11 ch	ROYAL BLUE	0..255	from OFF (0) to full (255)
12 ch	ROYAL BLUE FINE	0..255	from OFF (0) to full (255)
13 ch	AMBER	0..255	from OFF (0) to full (255)
14 ch	AMBER FINE	0..255	from OFF (0) to full (255)
15 ch	CYAN	0..255	from OFF (0) to full (255)
16 ch	CYAN FINE	0..255	from OFF (0) to full (255)
17 ch	MINT	0..255	from OFF (0) to full (255)
18 ch	MINT FINE	0..255	from OFF (0) to full (255)
19 ch	ROSCO FILTERS **Mark-II**	See related table	
20 ch	LEE FILTERS **Mark-II**	See related table	
21 ch	CCT STEPS	See related table	
22 ch	GREEN +/-	0..15 16..126 127..144 145..255	OFF MINUS GREEN - ZERO POINT - CENTER PLUS GREEN +
23 ch	DELAY	See related table	
24 ch	FAN	0..255	from minimum to maximum
25 ch	STROBO & STORE	See related table	
26 ch	SERVICE	See related table	
27 ch	FREE 1 **Mark-II**	(for future use)	
28 ch	FREE 2 **Mark-II**	(for future use)	

16 bit	THEATRE		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	RED	0..255	from OFF (0) to full (255)
4 ch	RED FINE	0..255	from OFF (0) to full (255)
5 ch	PHOTO RED	0..255	from OFF (0) to full (255)
6 ch	PHOTO RED FINE	0..255	from OFF (0) to full (255)
7 ch	GREEN	0..255	from OFF (0) to full (255)
8 ch	GREEN FINE	0..255	from OFF (0) to full (255)
9 ch	BLUE	0..255	from OFF (0) to full (255)
10 ch	BLUE FINE	0..255	from OFF (0) to full (255)
11 ch	ROYAL BLUE	0..255	from OFF (0) to full (255)
12 ch	ROYAL BLUE FINE	0..255	from OFF (0) to full (255)
13 ch	AMBER	0..255	from OFF (0) to full (255)
14 ch	AMBER FINE	0..255	from OFF (0) to full (255)
15 ch	CYAN	0..255	from OFF (0) to full (255)
16 ch	CYAN FINE	0..255	from OFF (0) to full (255)
17 ch	MINT	0..255	from OFF (0) to full (255)
18 ch	MINT FINE	0..255	from OFF (0) to full (255)
19 ch	ROSCO FILTERS **Mark-II**	See related table	
20 ch	LEE FILTERS **Mark-II**	See related table	
21 ch	SATURATION	0..255	from OFF (0) to full (255) → to dim the channel of CCT LINEAR
22 ch	CCT LINEAR	See related table	
23 ch	GREEN +/-	0..15 16..126 127..144 145..255	OFF MINUS GREEN - ZERO POINT - CENTER PLUS GREEN +
24 ch	DELAY	See related table	
25 ch	FAN	0..255	from minimum to maximum
26 ch	STROBO & STORE	See related table	
27 ch	SERVICE	See related table	
28 ch	FREE 1 **Mark-II**	(for future use)	
29 ch	FREE 2 **Mark-II**	(for future use)	

Note: CCT LINEAR has priority over COLOUR PRESET has priority over manual selected colours (from channel 3 to 14)

Part 5. Related tables

SERVICE CHANNEL

This channel allows to change via console all the settings that are normally set manually from the STAND ALONE and OPTIONS menu of the fixture

					RGBW	RGBA	8FC
SERVICE 1 (RGBW, 6C, 8C)	STAND ALONE (here you create)	CUSTOM PRESETS	0..5 6..18 19..31 32..44 45..57 58..70 71..83 84..96 97..109 110..122 123..135 136..148 149..161 162..174 175..187 188..200 201..213 214..226 227..239 240..255	OFF CUSTOM PRESET 1 CUSTOM PRESET 2 CUSTOM PRESET 3 CUSTOM PRESET 4 CUSTOM PRESET 5 CUSTOM PRESET 6 CUSTOM PRESET 7 CUSTOM PRESET 8 CUSTOM PRESET 9 CUSTOM PRESET 10 CUSTOM PRESET 11 **Mark-II** CUSTOM PRESET 12 **Mark-II** CUSTOM PRESET 13 **Mark-II** CUSTOM PRESET 14 **Mark-II** CUSTOM PRESET 15 **Mark-II** CUSTOM PRESET 16 **Mark-II** CUSTOM PRESET 17 **Mark-II** CUSTOM PRESET 18 **Mark-II** CUSTOM PRESET 19 **Mark-II**	YES	YES	YES
SERIVCE (White, TW) or SERVICE 2 (RGBW, 6C, 8C)	OPTIONS (here you set)		0..5	INACTIVE	YES	YES	YES
		LED DELAY	6..11 12..17 18..23 24..29 30..35 36..41 42..47 48..53 54..59 60..65 66..71	OFF 50 ms 100 ms 240 ms 400 ms 600 ms 800 ms 1000 ms (default) 1200 ms 1600 ms 2000 ms	YES	YES	YES
		DIMMING CURVE	72..77 78..81 82..83 84..85 86..87 88.89	LINEAR QUADRATIC S **Mark-II** HALO (default) GAMMA 2.6 **Mark-II** GAMMA 2.8 **Mark-II**	YES	YES	YES
		OUTPUT FREQUENCY	90..95 96..101 102..107 108..113 114..119 120..125 126..131 132..137 138..143	600 Hz 900 Hz 1200 Hz (default) 2100 Hz 4200 Hz 6000 Hz 10200 Hz 15600 Hz 19800 Hz	YES	YES	YES
		LED BOOST	144..149 150..155	ON OFF (default)	YES	YES	YES
		FAN MODE	156..161 162..167 168..173	AUTO (default) STANDARD SILENT	YES	YES	YES
		DISPLAY ROTATION DISPLAY ON/FF	174..179 180..185 186..191 192..197	STANDARD (default) ROTATED OFF ON (default)	YES	YES	YES
		LED CALIBRATION	198..203	COLOUR CALIBRATION (for all) NO FUNCTION (for White 300-700)	YES	YES	YES
		DEFAULT SETTINGS	204..209	DEFAULT SETTINGS	YES	YES	YES
		(for future use)	210..255	FREE	YES	YES	YES

STROBE & STORE CHANNEL

This channel allows to save what has been created/set in the related SERVICE channel

				RGBW	RGBA	8FC
STROBE & STORE	STROBE	0 1..150 151..200	OFF from slow (3,86 s) to fast (30 ms) OFF	YES	YES	YES
	STORE 1	201..210 211..230	Once created the desired CUSTOM PRESET, keep on hold for 5 seconds to store the new value. OFF	YES	YES	YES
	STORE 2	231..240 241..255	Once set the desired OPTION, keep on hold for 5 seconds to store the new value. OFF	YES	YES	YES

CCT CHANNEL

		RGBW	RGBA			8FC		
		PRESET	LINEAR	STEP	PRESET	LINEAR	STEP	PRESET
NONE		0..15	-	0.. 4	0..4	-	0.. 4	0..4
1500K			0.. 0..	5.. 7	5.. 11	0.. 0..	5.. 7	5.. 11
1500K-1600K			1.. 7..	8.. 11	-	1.. 7..	8.. 11	-
1600K			8.. 8..	12.. 14	12.. 18	8.. 8..	12.. 14	12.. 18
1600K-1700K			9.. 15	15.. 18	-	9.. 15	15.. 18	-
1700K			16.. 16	19.. 21	19.. 25	16.. 16	19.. 21	19.. 25
1700K-1800K			17.. 23	22.. 25	-	17.. 23	22.. 25	-
1800K			24.. 24	26.. 28	26.. 32	24.. 24	26.. 28	26.. 32
1800K-1900K			25.. 31	29.. 32	-	25.. 31	29.. 32	-
1900K			32.. 32	33.. 35	33.. 39	32.. 32	33.. 35	33.. 39
1900K-2000K			33.. 39	36.. 39	-	33.. 39	36.. 39	-
2000K			40.. 40	40.. 42	40.. 46	40.. 40	40.. 42	40.. 46
2000K-2100K			41.. 47	43.. 46	-	41.. 47	43.. 46	-
2100K		-	48.. 48	47.. 49	47.. 53	48.. 48	47.. 49	47.. 53
2100K-2200K			49.. 55	50.. 53	-	49.. 55	50.. 53	-
2200K			56.. 56	54.. 56	54.. 60	56.. 56	54.. 56	54.. 60
2200K-2300K			57.. 63	57.. 60	-	57.. 63	57.. 60	-
2300K			64.. 64	61.. 63	61.. 67	64.. 64	61.. 63	61.. 67
2300K-2400K			65.. 71	64.. 67	-	65.. 71	64.. 67	-
2400K			72.. 72	68.. 70	68.. 74	72.. 72	68.. 70	68.. 74
2400K-2500K			73.. 79	71.. 74	-	73.. 79	71.. 74	-
2500K			80.. 80	75.. 77	75.. 81	80.. 80	75.. 77	75.. 81
2500K-2600K			81.. 86	78.. 81	-	81.. 86	78.. 81	-
2600K			87.. 87	82.. 84	82.. 88	87.. 87	82.. 84	82.. 88
2600K-2700K			88.. 93	85.. 88	-	88.. 93	85.. 88	-
2700K		16..45	94.. 94	89.. 91	89.. 95	94.. 94	89.. 91	89.. 95
2700K-3000K	2700K-2800K	-	95.. 100..	92.. 95	-	95.. 100..	92.. 95	-
	2800K		101.. 101	96.. 98	96.. 102	101.. 101	96.. 98	96.. 102
	2800K-2900K		102.. 107	99.. 102	-	102.. 107	99.. 102	-
	2900K		108.. 108	103.. 105	103.. 109	108.. 108	103.. 105	103.. 109
	2900K-3000K		109.. 114	106.. 109	-	109.. 114	106.. 109	-
3000K		46..75	115.. 115	110.. 112	110.. 116	115.. 115	110.. 112	110.. 116
3000K-3200K	3000K-3100K	-	116.. 121	113.. 116	-	116.. 121	113.. 116	-
	3100K		122.. 122	117.. 119	117.. 123	122.. 122	117.. 119	117.. 123
	3100K-3200K		123.. 128	120.. 123	-	123.. 128	120.. 123	-
3200K (default)		76..105	129.. 129	124.. 126	124.. 130	129.. 129	124.. 126	124.. 130
3200K-3500K	3200K-3300K	-	130.. 135	127.. 130	-	130.. 135	127.. 130	-
	3300K		136.. 136	131.. 133	131.. 137	136.. 136	131.. 133	131.. 137
	3300K-3400K		137.. 142	134.. 137	-	137.. 142	134.. 137	-
	3400K		143.. 143	138.. 140	138.. 144	143.. 143	138.. 140	138.. 144
	3400K-3500K		144.. 149	141.. 144	-	144.. 149	141.. 144	-
3500K		106..135	150.. 150	145.. 147	145.. 151	150.. 150	145.. 147	145.. 151
3500K-4000K		-	151.. 156	148.. 151	-	151.. 156	148.. 151	-
4000K		136..165	157.. 157	152.. 154	152.. 158	157.. 157	152.. 154	152.. 158
4000K-5600K	4000K-5000K	-	158.. 163	155.. 158	-	158.. 163	155.. 158	-
	5000K		164.. 164	159.. 161	159.. 165	164.. 164	159.. 161	159.. 165
	5000K-5600K		165.. 170	162.. 165	-	165.. 170	162.. 165	-
5600K		166..195	171.. 171	166.. 168	166.. 172	171.. 171	166.. 168	166.. 172
5600K-6500K	5600K-6000K	-	172.. 177	169.. 172	-	172.. 177	169.. 172	-
	6000K		178.. 178	173.. 175	173.. 179	178.. 178	173.. 175	173.. 179
	6000K-6500K		179.. 184	176.. 179	-	179.. 184	176.. 179	-
6500K		196..225	185.. 185	180.. 182	180.. 186	185.. 185	180.. 182	180.. 186
6500K-8000K		-	186.. 191	183.. 186	-	186.. 191	183.. 186	-
8000K		226..255	192.. 192	187.. 189	187.. 193	192.. 192	187.. 189	187.. 193
8000K-10000K			193.. 198	190.. 193	-	193.. 198	190.. 193	-
10000K			199.. 199	194.. 196	194.. 200	199.. 199	194.. 196	194.. 200
10000K-12000K			200.. 205	197.. 200	-	200.. 205	197.. 200	-
12000K			206.. 206	201.. 203	201.. 207	206.. 206	201.. 203	201.. 207
12000K-14000K			207.. 212	204.. 207	-	207.. 212	204.. 207	-
14000K			213.. 213	208.. 210	208.. 214	213.. 213	208.. 210	208.. 214
14000K-15000K			214.. 219	211.. 214	-	214.. 219	211.. 214	-
15000K			220.. 220	215.. 217	215.. 221	220.. 220	215.. 217	215.. 221
15000K-16000K		-	221.. 226	218.. 221	-	221.. 226	218.. 221	-
16000K			227.. 227	222.. 224	222.. 228	227.. 227	222.. 224	222.. 228
16000K-17000K			228.. 233	225.. 228	-	228.. 233	225.. 228	-
17000K			234.. 234	229.. 231	229.. 235	234.. 234	229.. 231	229.. 235
17000K-180000K			235.. 240	232.. 235	-	235.. 240	232.. 235	-
18000K			241.. 241	236.. 239	236.. 242	241.. 241	236.. 239	236.. 242
18000K-190000K			242.. 247	240.. 243	-	242.. 247	240.. 243	-
19000K			248.. 248	244.. 247	243.. 249	248.. 248	244.. 247	243.. 249
19000K-20000K			249.. 254	248.. 251	-	249.. 254	248.. 251	-
20000K			255.. 255	252.. 255	250.. 255	255.. 255	252.. 255	250.. 255

ROSCO FILTERS CHANNEL MARK-II

									RGBW	RGBA	8FC
STANDARD	000	NONE	060	ROSCO R0077	120	ROSCO R4515	180	ROSCO R4730	-	YES	YES
	001	ROSCO R0384	061	ROSCO R0075	121	ROSCO R4530	181	ROSCO R0037			
	002	ROSCO R0383	062	ROSCO R0376	122	ROSCO R4560	182	ROSCO R3308			
	003	ROSCO R0085	063	ROSCO R0071	123	ROSCO R0096	183	ROSCO R3309			
	004	ROSCO R0083	064	ROSCO R0092	124	ROSCO R0012	184	ROSCO R4715			
	005	ROSCO R0079	065	ROSCO R3316	125	ROSCO R4590	185	ROSCO R0038			
	006	ROSCO R0080	066	ROSCO R3315	126	ROSCO R0010	186	ROSCO R3313			
	007	ROSCO R2006	067	ROSCO R0087	127	ROSCO R0310	187	ROSCO R0333			
	008	ROSCO R3220	068	ROSCO R3304	128	ROSCO R0313	188	ROSCO R3314			
	009	ROSCO R2007	069	ROSCO R0088	129	ROSCO R0312	189	ROSCO R3318			
	010	ROSCO R0084	070	ROSCO R4415	130	ROSCO R0014	190	ROSCO R0351			
	011	ROSCO R0078	071	ROSCO R0388	131	ROSCO R0011	191	ROSCO R0054			
	012	ROSCO R0081	072	ROSCO R4430	132	ROSCO R2003	192	ROSCO R0051			
	013	ROSCO R0068	073	ROSCO R0086	133	ROSCO R0015	193	ROSCO R0052			
	014	ROSCO R0368	074	ROSCO R0089	134	ROSCO R3441	194	ROSCO R4915			
	015	ROSCO R0069	075	ROSCO R0389	135	ROSCO R3411	195	ROSCO R4930			
	016	ROSCO R0065	076	ROSCO R0386	136	ROSCO R0316	196	ROSCO R0356			
	017	ROSCO R0067	077	ROSCO R4460	137	ROSCO R3401	197	ROSCO R0057			
	018	ROSCO R0367	078	ROSCO R4490	138	ROSCO R3407	198	ROSCO R4960			
	019	ROSCO R0064	079	ROSCO R2004	139	ROSCO R0020	199	ROSCO R0058			
	020	ROSCO R0375	080	ROSCO R0090	140	ROSCO R2002	200	ROSCO R0357			
	021	ROSCO R0370	081	ROSCO R0091	141	ROSCO R0317	201	ROSCO R0059			
	022	ROSCO R0366	082	ROSCO R0122	142	ROSCO R0318	202	ROSCO R0336			
	023	ROSCO R0369	083	ROSCO R0126	143	ROSCO R0021	203	ROSCO R4760			
	024	ROSCO R0072	084	ROSCO R0393	144	ROSCO R0023	204	ROSCO R0044			
	025	ROSCO R0062	085	ROSCO R0094	145	ROSCO R0041	205	ROSCO R0346			
	026	ROSCO R0063	086	ROSCO R3406	146	ROSCO R0040	206	ROSCO R0349			
	027	ROSCO R0060	087	ROSCO R3405	147	ROSCO R0022	207	ROSCO R0344			
	028	ROSCO R3206	088	ROSCO R0099	148	ROSCO R0019	208	ROSCO R0039			
	029	ROSCO R0372	089	ROSCO R0017	149	ROSCO R0032	209	ROSCO R0047			
	030	ROSCO R0373	090	ROSCO R0321	150	ROSCO R4690	210	ROSCO R0348			
	031	ROSCO R3208	091	ROSCO R0018	151	ROSCO R0042	211	ROSCO R0049			
	032	ROSCO R4315	092	ROSCO R0303	152	ROSCO R0127	212	ROSCO R0048			
	033	ROSCO R3216	093	ROSCO R0030	153	ROSCO R0024	213	ROSCO R0347			
	034	ROSCO R0053	094	ROSCO R4660	154	ROSCO R0325	214	ROSCO R4990			
	035	ROSCO R3204	095	ROSCO R3310	155	ROSCO R0025	215	ROSCO R0358			
	036	ROSCO R0360	096	ROSCO R0031	156	ROSCO R2001	216	ROSCO R0056			
	037	ROSCO R4215	097	ROSCO R0034	157	ROSCO R0324	217	ROSCO R0377			
	038	ROSCO R3203	098	ROSCO R0331	158	ROSCO R0026	218	ROSCO R0385			
	039	ROSCO R0362	099	ROSCO R4630	159	ROSCO R0120	219	ROSCO R2009			
	040	ROSCO R0371	100	ROSCO R0304	160	ROSCO R0124	220	ROSCO R0353			
	041	ROSCO R0364	101	ROSCO R0003	161	ROSCO R0027	221	ROSCO R0055			
	042	ROSCO R3202	102	ROSCO R4615	162	ROSCO R0050	222	ROSCO R4230			
	043	ROSCO R3218	103	ROSCO R0305	163	ROSCO R4890	223	ROSCO R0355			
	044	ROSCO R0365	104	ROSCO R0005	164	ROSCO R0332	224	ROSCO R0378			
	045	ROSCO R0061	105	ROSCO R0016	165	ROSCO R0342	225	ROSCO R4260			
	046	ROSCO R4330	106	ROSCO R3408	166	ROSCO R0045	226	ROSCO R0359			
	047	ROSCO R0363	107	ROSCO R0009	167	ROSCO R0046	227	ROSCO R4290			
	048	ROSCO R0066	108	ROSCO R0002	168	ROSCO R0339	228	ROSCO R0082			
	049	ROSCO R0070	109	ROSCO R0013	169	ROSCO R2010	229	ROSCO R0074			
	050	ROSCO R4360	110	ROSCO R3442	170	ROSCO R4790	230	ROSCO R0381			
	051	ROSCO R4390	111	ROSCO R0008	171	ROSCO R0043	231	ROSCO R2008			
	052	ROSCO R0073	112	ROSCO R3409	172	ROSCO R343	232	ROSCO R0121			
	053	ROSCO R2005	113	ROSCO R3443	173	ROSCO R0036	233	ROSCO R0125			
	054	ROSCO R0374	114	ROSCO R0302	174	ROSCO R4860	234	ROSCO R0382			
	055	ROSCO R0093	115	ROSCO R3444	175	ROSCO R4830	235	ROSCO R0397			
	056	ROSCO R0392	116	ROSCO R3317	176	ROSCO R0035	236	ROSCO R3114			
	057	ROSCO R0095	117	ROSCO R0006	177	ROSCO R0337					
	058	ROSCO R0395	118	ROSCO R3410	178	ROSCO R4815					
	059	ROSCO R0076	119	ROSCO R0007	179	ROSCO R0033					
CUSTOM	237	CUSTOM 1	242	CUSTOM 6	247	CUSTOM 11	252	CUSTOM 16	-	YES	YES
	238	CUSTOM 2	243	CUSTOM 7	248	CUSTOM 12	253	CUSTOM 17			
	239	CUSTOM 3	244	CUSTOM 8	249	CUSTOM 13	254	CUSTOM 18			
	240	CUSTOM 4	245	CUSTOM 9	250	CUSTOM 14	255	CUSTOM 19			
	241	CUSTOM 5	246	CUSTOM 10	251	CUSTOM 15					

LEE FILTERS CHANNEL MARK-II

									RGBW	RGBA	8FC
STANDARD	000	NONE	061	LEE 131	122	LEE 232	183	LEE 787	-	YES	YES
	001	LEE 071	062	LEE 219	123	LEE 147	184	LEE 046			
	002	LEE 713	063	LEE 241	124	LEE 776	185	LEE 113			
	003	LEE 120	064	LEE 242	125	LEE 604	186	LEE 332			
	004	LEE 363	065	LEE 728	126	LEE 207	187	LEE 748			
	005	LEE 085	066	LEE 504	127	LEE 441	188	LEE 127			
	006	LEE 119	067	LEE 730	128	LEE 204	189	LEE 148			
	007	LEE 716	068	LEE 731	129	LEE 236	190	LEE 157			
	008	LEE 195	069	LEE 213	130	LEE 744	191	LEE 192			
	009	LEE 715	070	LEE 245	131	LEE 285	192	LEE 111			
	010	LEE 723	071	LEE 733	132	LEE 013	193	LEE 036			
	011	LEE 721	072	LEE 244	133	LEE 009	194	LEE 107			
	012	LEE 722	073	LEE 138	134	LEE 205	195	LEE 110			
	013	LEE 079	074	LEE 088	135	LEE 442	196	LEE 035			
	014	LEE 714	075	LEE 505	136	LEE 764	197	LEE 247			
	015	LEE 132	076	LEE 243	137	LEE 103	198	LEE 248			
	016	LEE 068	077	LEE 121	138	LEE 206	199	LEE 249			
	017	LEE 075	078	LEE 738	139	LEE 763	200	LEE 169			
	018	LEE 197	079	LEE 122	140	LEE 443	201	LEE 136			
	019	LEE 712	080	LEE 089	141	LEE 223	202	LEE 794			
	020	LEE 525	081	LEE 139	142	LEE 279	203	LEE 170			
	021	LEE 200	082	LEE 090	143	LEE 003	204	LEE 704			
	022	LEE 719	083	LEE 736	144	LEE 444	205	LEE 052			
	023	LEE 500	084	LEE 124	145	LEE 246	206	LEE 702			
	024	LEE 366	085	LEE 735	146	LEE 007	207	LEE 137			
	025	LEE 283	086	LEE 327	147	LEE 513	208	LEE 194			
	026	LEE 174	087	LEE 740	148	LEE 514	209	LEE 058			
	027	LEE 201	088	LEE 643	149	LEE 010	210	LEE 180			
	028	LEE 281	089	LEE 642	150	LEE 100	211	LEE 701			
	029	LEE 501	090	LEE 741	151	LEE 101	212	LEE 345			
	030	LEE 708	091	LEE 746	152	LEE 767	213	LEE 703			
	031	LEE 502	092	LEE 511	153	LEE 104	214	LEE 002			
	032	LEE 503	093	LEE 653	154	LEE 765	215	LEE 795			
	033	LEE 218	094	LEE 789	155	LEE 102	216	LEE 328			
	034	LEE 278	095	LEE 512	156	LEE 550	217	LEE 048			
	035	LEE 203	096	LEE 024	157	LEE 015	218	LEE 128			
	036	LEE 202	097	LEE 025	158	LEE 768	219	LEE 793			
	037	LEE 061	098	LEE 652	159	LEE 179	220	LEE 049			
	038	LEE 063	099	LEE 017	160	LEE 770	221	LEE 126			
	039	LEE 725	100	LEE 651	161	LEE 020	222	LEE 797			
	040	LEE 117	101	LEE 134	162	LEE 286	223	LEE 798			
	041	LEE 140	102	LEE 008	163	LEE 208	224	LEE 343			
	042	LEE 353	103	LEE 779	164	LEE 742	225	LEE 700			
	043	LEE 144	104	LEE 237	165	LEE 287	226	LEE 707			
	044	LEE 724	105	LEE 747	166	LEE 105	227	LEE 181			
	045	LEE 118	106	LEE 238	167	LEE 021	228	LEE 799			
	046	LEE 172	107	LEE 176	168	LEE 158	229	LEE 508			
	047	LEE 183	108	LEE 109	169	LEE 777	230	LEE 706			
	048	LEE 141	109	LEE 790	170	LEE 778	231	LEE 199			
	049	LEE 161	110	LEE 108	171	LEE 780	232	LEE 198			
	050	LEE 196	111	LEE 773	172	LEE 022	233	LEE 710			
	051	LEE 165	112	LEE 004	173	LEE 135	234	LEE 711			
	052	LEE 352	113	LEE 152	174	LEE 507	235	LEE 142			
	053	LEE 143	114	LEE 151	175	LEE 781	236	LEE 709			
	054	LEE 727	115	LEE 153	176	LEE 019	237	LEE 053			
	055	LEE 729	116	LEE 154	177	LEE 164	238	LEE 603			
	056	LEE 116	117	LEE 506	178	LEE 182	239	LEE 602			
	057	LEE 354	118	LEE 162	179	LEE 106	240	LEE 600			
	058	LEE 115	119	LEE 650	180	LEE 029	241	LEE 601			
	059	LEE 323	120	LEE 230	181	LEE 026					
	060	LEE 322	121	LEE 156	182	LEE 027					
CUSTOM	242	CUSTOM 1	247	CUSTOM 6	252	CUSTOM 11			-	YES	YES
	243	CUSTOM 2	248	CUSTOM 7	253	CUSTOM 12					
	244	CUSTOM 3	249	CUSTOM 8	254	CUSTOM 13					
	245	CUSTOM 4	250	CUSTOM 9	255	CUSTOM 14					
	246	CUSTOM 5	251	CUSTOM 10							

PRESETS MARK-II

		RGBW			RGBA					8FC				
		COLOR		CCT	PRESET		COLOR		CCT	PRESET		COLOR		CCT
NONE		000..035		000..015	000..000		000..000		0..4	000..000		000..000		0..4
1500 K				-					5..11					5..11
1600 K									12..18					12..18
1700 K									19..25					19..25
1800 K									26..32					26..32
1900 K									33..39					33..39
2000 K									40..46					40..46
2100 K									47..53					47..53
2200 K									54..60					54..60
2300 K									61..67					61..67
2400 K									68..74					68..74
2500 K									75..81					75..81
2600 K									82..88					82..88
2700K				016..045	001..003				89..95	001..003				89..95
2800 K									96..102					96..102
2900 K									103..109					103..109
3000K				046..075	004..006				110..116	004..006				110..116
3100 K									117..123					117..123
3200K		-		076..105	007..009		-		124..130	007..009		-		124..130
3300 K									131..137					131..137
3400 K									138..144					138..144
3500K					010..012				145..151	010..012				145..151
4000K				136..165	013..015				152..158	013..015				152..158
5000 K									159..165					159..165
5600K				166..195	016..018				166..172	016..018				166..172
6000 K									173..179					173..179
6500K				196..225	019..021				180..186	019..021				180..186
8000K				226..255	022..024				187..193	022..024				187..193
10000 K									194..200					194..200
12000 K									201..207					201..207
14000 K									208..214					208..214
15000 K									215..221					215..221
16000 K									222..228					222..228
17000 K									229..235					229..235
18000 K									236..242					236..242
19000 K									243..249					243..249
20000 K									250..255					250..255
FULL WHITE		-		-	025..027		-		-	025..027		-		-
RED		036..039												-
GREEN		040..043												
BLUE		044..047												
CYAN		048..051												
YELLOIW		052..055												
MAGENTA		056..059												
LEE 063	LEE 179				028..030	127..129	001..003	100..102		028..030	127..129	001..003	100..102	
LEE 117	LEE 105	112..115			031..033	130..132	004..006	103..105		031..033	130..132	004..006	103..105	
LEE 353	LEE 158		160..163		034..036	133..135	007..009	106..108		034..036	133..135	007..009	106..108	
LEE 172	LEE 778		208..211		037..039	136..138	010..012	109..111		037..039	136..138	010..012	109..111	
LEE 118	LEE 135				040..042	139..141	013..015	112..114		040..042	139..141	013..015	112..114	
LEE 141	LEE 019		064..067		043..045	142..144	016..018	115..117		043..045	142..144	016..018	115..117	
LEE 165	LEE 164	164..167			046..048	145..147	019..021	118..120		046..048	145..147	019..021	118..120	
LEE 068	LEE 106	076..079	096..099		049..051	148..150	022..024	121..123		049..051	148..150	022..024	121..123	
LEE 197	LEE 026		068..071		052..054	151..153	025..027	124..126		052..054	151..153	025..027	124..126	
LEE 132	LEE 046	136..139			055..057	154..156	028..030	127..129		055..057	154..156	028..030	127..129	
LEE 079	LEE 332				058..060	157..159	031..033	130..132		058..060	157..159	031..033	130..132	
LEE 715	LEE 793				061..063	160..162	034..036	133..135		061..063	160..162	034..036	133..135	
LEE 119	LEE 128	116..119	128..131		064..066	163..165	037..039	136..138		064..066	163..165	037..039	136..138	
LEE 120	LEE 111			-	067..069	166..168	040..042	139..141	-	067..069	166..168	040..042	139..141	
LEE 713	LEE 157				070..072	169..171	043..045	142..144		070..072	169..171	043..045	142..144	
LEE 071	LEE 148	080..083			073..075	172..174	046..048	145..147		073..075	172..174	046..048	145..147	
LEE 729	LEE 024				076..078	175..177	049..051	148..150		076..078	175..177	049..051	148..150	
LEE 116	LEE 008	108..111			079..081	178..180	052..054	151..153		079..081	178..180	052..054	151..153	
LEE 115	LEE 134	104..107	140..143		082..084	181..183	055..057	154..156		082..084	181..183	055..057	154..156	
LEE 131	LEE 147	132..135	152..155		085..087	184..186	058..060	157..159		085..087	184..186	058..060	157..159	
LEE 323	LEE 004		060..063		088..090	187..189	061..063	160..162		088..090	187..189	061..063	160..162	
LEE 735	LEE 154		156..159		091..093	190..192	064..066	163..165		091..093	190..192	064..066	163..165	
LEE 090	LEE 169		168..171		094..096	193..195	067..069	166..168		094..096	193..195	067..069	166..168	
LEE 139	LEE 136		144..147		097..099	196..198	070..072	169..171		097..099	196..198	070..072	169..171	
LEE 089	LEE 170				100..102	199..201	073..075	172..174		100..102	199..201	073..075	172..174	
LEE 122	LEE 137				103..105	202..204	076..078	175..177		103..105	202..204	076..078	175..177	
LEE 738	LEE 058				106..108	205..207	079..081	178..180		106..108	205..207	079..081	178..180	
LEE 088	LEE 180		172..175		109..111	208..210	082..084	181..183		109..111	208..210	082..084	181..183	
LEE 138	LEE 126	148..151	124..127		112..114	211..213	085..087	184..186		112..114	211..213	085..087	184..186	
LEE 100	LEE 797				115..117	214..216	088..090	187..189		115..117	214..216	088..090	187..189	
LEE 010	LEE 798				118..120	217..219	091..093	190..192		118..120	217..219	091..093	190..192	
LEE 101	LEE 707	084..087			121..123	220..222	094..096	193..195		121..123	220..222	094..096	193..195	
LEE 104	LEE 181				124..126	223..225	097..099	196..198		124..126	223..225	097..099	196..198	
CUSTOM 1	CUSTOM 11	216..219			226..228		199..201	229..231		226..228		199..201	229..231	
CUSTOM 2	CUSTOM 12	220..223			229..231		202..204	232..234		229..231		202..204	232..234	
CUSTOM 3	CUSTOM 13	224..227			232..234		205..207	235..237		232..234		205..207	235..237	
CUSTOM 4	CUSTOM 14	228..231			235..237		208..210	238..240		235..237		208..210	238..240	
CUSTOM 5	CUSTOM 15	232..235			238..240		211..213	241..243		238..240		211..213	241..243	
CUSTOM 6	CUSTOM 16	236..239	-	-	241..243	-	214..216	244..246	-	241..243	-	214..216	244..246	-
CUSTOM 7	CUSTOM 17	240..243			244..246		217..219	247..249		244..246		217..219	247..249	
CUSTOM 8	CUSTOM 18	244..247			247..249		220..222	250..252		247..249		220..222	250..252	
CUSTOM 9	CUSTOM 19	248..251			250..252		223..225	253..255		250..252		223..225	253..255	
CUSTOM 10		252..255			253..255		226..228			253..255		226..228		

DELAY CHANNEL

			RGBW	RGBA	8FC
DELAY	0..45	NONE (The LED delay follows the set on the menu display)	YES	YES	YES
	46..55	0 ms			
	56..65	50 ms			
	66..75	100 ms			
	76..85	150 ms			
	86..95	200 ms			
	96..105	240 ms			
	106..115	300 ms			
	116..125	350 ms			
	126..135	400 ms			
	136..145	450 ms			
	146..155	500 ms			
	156..165	550 ms			
	166..175	600 ms			
	176..185	800 ms			
	186..195	900 ms			
	196..205	1000 ms			
	206..215	1200 ms			
	216..225	1400 ms			
	226..235	1600 ms			
	236..245	1800 ms			
	246..255	2000 ms			

Part 6. RDM (Remote Device Management)

This section shows the values that can be queried remotely through the RDM console.

Plasa/ESTA Denomination	Number of Channels
DEVICE_INFO	- RDM protocol version - Device Model ID - Product category - Software version - Number of DMX channels - DMX mode - DMX address - Number of sub-devices - Number of sensors
IDENTIFY_DEVICE	LED power on - allowing fixture identification
DMX_START_ADDRESS	DMX address setting/reading
SOFTWARE_VERSION_LABEL	Text description version sw
SUPPORTED_PARAMETERS	List of supported parameters
DMX_PERSONALITY	DMX mode setting
DMX_PERSONALITY_DESCRIPTION	Obtaining textual description of DMX mode
DEVICE_MODEL_DESCRIPTION	Text description of the device model
MANUFACTURER_LABEL	Text description manufacturer
SENSOR_DEFINITION SENSOR_VALUE	Display of the values read by the temperature sensor, expressed in tenths of Celsius degree

Part 7. Error list (Mark-II)

Errore message	What does it mean?	RGBW	RGBA	8FC
LED NTC SENSOR ERROR	Incorrect sensor operation NTC LED	-	YES	YES
LED NTC OVERTEMPERAURE	Overheating of the sensor working temperature NTC LED			
MICRO NTC SENSOR ERROR	Incorrect sensor operation NTC MICRO			
MICRO NTC OVERTEMPERAURE	Overheating of the sensor working temperature NTC MICRO			
DRIVER1 NTC SENSOR ERROR	Incorrect sensor operation NTC DRIVER1			
DRIVER1 NTC VERTEMPERAURE	Overheating of the sensor working temperature NTC DRIVER1			
DRIVER2 NTC SENSOR ERROR	Incorrect sensor operation NTC DRIVER2			
DRIVER2 NTC VERTEMPERAURE	Overheating of the sensor working temperature NTC DRIVER2			
LOW SUPPLY VOLTAGE	The measured main voltage is below the threshold			
HIGH SUPPLY VOLTAGE	The measured main voltage is above the threshold			
OUT LED1 ERROR	Incorrect chain operation LED OUT 1			
OUT LED.. ERROR	Incorrect chain operation LED OUT ..			
OUT LED8 ERROR	Incorrect chain operation LED OUT 8			
ENCODER BUS ERROR	Communication error with encoder board			

Part 8. How to...

... SET DMX ADDRESS AND CHOOSE DMX PERSONALITY

In order to control one or more fixtures via console, it is necessary to assign each one a DMX ADDRESS and choose a DMX PERSONALITY based on the parameters of the luminaire you want to control and the channels available on the console.

The first fixture is assigned to address channel = 1 and occupies as many channels as indicated in the chosen DMX chart.

- DMX SETTINGS → DMX ADDRESS = 001
- DMX SETTINGS → DMX PERSONALITY = EASY / 3CH (example)

If the second fixture is given the same address channel and the same personality, it will behave like the first luminaire; otherwise it is necessary to assign it the first free channel as address and choose the desired personality.

- DMX SETTINGS → DMX ADDRESS = 004 (example)
- DMX SETTINGS → DMX PERSONALITY = HSIC 8bit / 7CH (example)

YouTube

... EMULATE THE PERFORMANCE OF A HALOGEN LAMP

To satisfy the most nostalgic lighting designers and to guarantee the natural perception that the human eye, it is not enough that a LED source can simulate the static light of a halogen lamp, but it is also important to reproduce its dynamic behaviorthe

First of all choose a DMX PERSONALITY that allows to set CCT = 3200K

Then there are three behaviors to guarantee:

- the typical dimming curve of the halogen lamp: OPTIONS → DIMMING CURVE = HALO
- the standard delay of the halogen lamp: OPTIONS → LED DELAY = 1000 ms
- the typical dim to warm to which a halogen lamp tends when decreasing the lighting emission (also called amber shift): OPTIONS → AMBER SHIFT = ON

YouTube

... INCREASE THE LIGHT OUTPUT +20%

All the fixtures are designed to work in a context of balance between luminous efficiency and optimal thermal regime so as not to cause the LED to work under stress. Where available, thanks to the LED BOOST function, the algorithm favors luminous efficiency (+20% in light output) to the detriment of thermal efficiency, giving more current to the LED, but it is exclusively compatible with FAN MODE = AUTO (= the fans are automatically adjusted based on the LED temperature).

That means that, even with this function active, the LED TEMPERATURE function regulates the light intensity in case of overtemperature to avoid an early deterioration of the source.

It may happen that you need a light emission of the individual channels higher than the factory settings, without exceeding the maximum power of the fixture.

When for a tint or a CCT not all LED channels are at full, an algorithm increases the light output to achieve maximum efficiency of the luminaire. A microprocessor monitors the working temperature of all the components and updates the source control parameters in real time.

- OPTIONS → FAN MODE = AUTO
- OPTIONS → LED BOOST = ON

YouTube

... SET THE FAN MODE

In order to function properly, the LED requires a cooling system, which can be passive (dissipation of heat by natural convection) or active (forced dissipation of heat using a fan).

FAN MODE:

- **AUTO**: the fans are automatically adjusted based on the LED temperature.(where variable fan noise is not a critical parameter)
- **STANDARD**: the fans are always kept at the default value (where a constant background noise is required without varying brightness)
- **SILENT**: the fans are always kept at the minimum value and in case of critical temperatures of the LED it automatically reduces the brightness

The **silent mode** function allows to intervene on the speed and therefore on the noise of the fans based on the internal temperatures of work detected by a thermostat
OPTIONS → FAN MODE = SILENT

YouTube

... SET THE DISPLAY

To avoid unwanted light emission of the display it is recommended to turn it off:
OPTIONS → DISPLAY = OFF

If the fixture is mounted "upside down" it is also possible to rotate the display to make it easier to read:
OPTIONS → DISPLAY ROTATION = ROTATED

YouTube

... REMOVE FLICKERING EFFECT IN CAMERAS

The flickering effect is manifested in the shooting when the emission frequency of the LED conflicts with the camera brush scan and can be solved by acting on the fixture parameters (or on the camera ones).

OPTIONS → OUTPUT FREQUENCY = xxx (find by trial and error - fine adjustment - the value that removes the flicker in the camera)

YouTube

... CALIBRATE LED COLORS

When using a group of fixtures it may happen that one or more of them, despite being set with the same DMX values, has a color component (i.e.: RED) to be calibrated to align its tint to the ones of the other luminaires:
LED CALIBRATION → RED CALIBRATION

YouTube

… SET THE COLOUR CUSTOM PRESETS

You may want to recall a tint from the factory library or need to create your own tint. In all LED color fixtures there are two libraries:

- **STANDARD PRESETS**
- **CUSTOM PRESETS**

Both of these presets can be recalled by turning the encoder (CCT/COLOR WHEEL) on the back of the fixture or selecting the corresponding DMX value from the console.

To create a CUSTOM PRESET by using the fixture:
STANDALONE → CUSTOM PRESETS → CUSTOM PRESET 1 → RED = 255 (i.e.) → CONFIRM

To create a CUSTOM PRESET by using a DMX console:

- First of all choose a DMX PERSONALITY that allows to set the SERVICE channel (i.e. DMX PERSONALITY = RGBACL for a 6C fixture)
- to create the CUSTOM PRESET 1: modify the DMX value of the SERVICE channel (ch 9) entering a DMX value 6..30 and create the desired tint by using the other channels (ch 1-7)
- to save the tint: modify the DMX value of the STROBE & STORE channel (ch 8) entering a DMX value 201..210 and keep on hold for 5 seconds

YouTube

… SET STANDALONE AND MASTER-SLAVE FUNCTIONS

May happen the need to control one or more fixtures without using a console.
The fixture allows operator to create one or more scenes, both in STANDALONE and MASTER-SLAVE.
In case of single fixture, set the fixture according to the number of scenes to be created:

- STANDALONE → STANDALONE SET → STANDALONE MANUAL (for 1 scene)
- STANDALONE → STANDALONE SET → STANDALONE SCENE MODE (for multi scenes)

In case of group of fixtures, set the master fixture according to the number of scenes to be created:

- STANDALONE → STANDALONE SET → MASTER MANUAL (for 1 scene)
- STANDALONE → STANDALONE SET → MASTER AUTO SCENE (for multi scenes)

and set the slave fixture(s):

- STANDALONE → STANDALONE SET → SLAVE

How to create a single scene:
STANDALONE → MANUAL MODE → RED = 020 (i.e.) → CONFIRM

How to create and manage multiple scenes:

- create the first scene STANDALONE → AUTO SCENE MODE → CREATE NEW
- and choose the POSITION
- then choose the tint (i.e. RED = 100%) STANDALONE → AUTO SCENE MODE → SCENE 1 → SCENE SET → RED = 255 (i.e.) → CONFIRM
- create the second scene STANDALONE → AUTO SCENE MODE → CREATE NEW
- and choose the POSITION
- then choose the tint (i.e. GREEN = 100%) STANDALONE → AUTO SCENE MODE → SCENE 1 → SCENE SET → GRN = 255 (i.e.) → CONFIRM

How to customize parameters of a scene:
STANDALONE → AUTO SCENE MODE → SCENE 2 → PAUSE TIME = 1.0 s (i.e.)
STANDALONE → AUTO SCENE MODE → SCENE 2 → FADE TIME = 2.2 s (i.e.)

How to delete a scene:
STANDALONE → AUTO SCENE MODE → SCENE 2 → SCENE DELETE

YouTube

FUNZIONI AVANZATE SULLA GESTIONE DEL COLORE

- **Plus/Minus Green** – si tratta di una funzione che consente una regolazione fine della componente verde del CCT selezionato per adeguarlo alle specifiche esigenze dell'applicazione.
- **Bilanciamento automatico** del colore durante l'intera dimmerazione per mantenere la stessa tinta quando diminuisce l'emissione di luce; l'algoritmo consente di:
  - mantenere fissa la lunghezza d'onda di ogni singolo chip LED colorato
  - mantenere costante il rapporto delle emissioni luminose tra i LED di diverso colore al variare dell'emissione luminosa
- **Booster**
- **Calibrazione**

Part 9. Logistics

Fixture							Packing				HS Code
Power	Type	Code	Weight (kg)	Dimensions (cm)			Weight (kg)	Dimensions (cm)			
				Length	Width	Height		Length	Width	Height	
300W	Cyclorama	**CYC LED 300** RGBW	15	57	43	25	18	61	57	33	94054210
600W	Cyclorama	**CYC LED 300** RGBA / 8FC / UV	15	57	43	25	18	61	57	33	94054210