

**THE**

**user manual**

for

**Hyperion Series**

**Mark-II**

rev. 14/09/2026

## 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](http://www.spotlight.it) for a comprehensive knowledge at 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)
- $t_a$  max: maximum ambient temperature allowed (°C)
- $t_s$  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 fixture'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 fixture 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



## Part 2. General info

All Spotlight lights, depending on the LED source installed and power, can be grouped into 6 groups (represented by 6 colours).

| LED Power | Powercon daisy chain          | Cold start Inrush current | Type                          | LED Source                     |                               |                    |                               |    |
|-----------|-------------------------------|---------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------|-------------------------------|----|
|           |                               |                           |                               | White                          | Tunable White                 | RGBW               | 6C                            | 8C |
| 100W      | Total load max<br>16A - 3,5KW | 60A/230VAC                | Fresnel PC Profile            | 1A<br>Mark-II<br>Firmware 1.06 | 2<br>Mark-II<br>Firmware 1.03 | 3<br>Firmware 1.01 | 4<br>Mark-II<br>Firmware 1.03 |    |
| 200W      |                               |                           | Fresnel PC Profile            |                                |                               |                    |                               |    |
| 300W      |                               | 80A/230VAC                | Fresnel PC Profile Followspot |                                |                               |                    |                               |    |
| 700W      |                               | 40A/230VAC                | Fresnel PC Profile Followspot | 1B<br>Mark-II<br>Firmware 1.05 |                               |                    | 5<br>Mark-II<br>Firmware 1.07 |    |

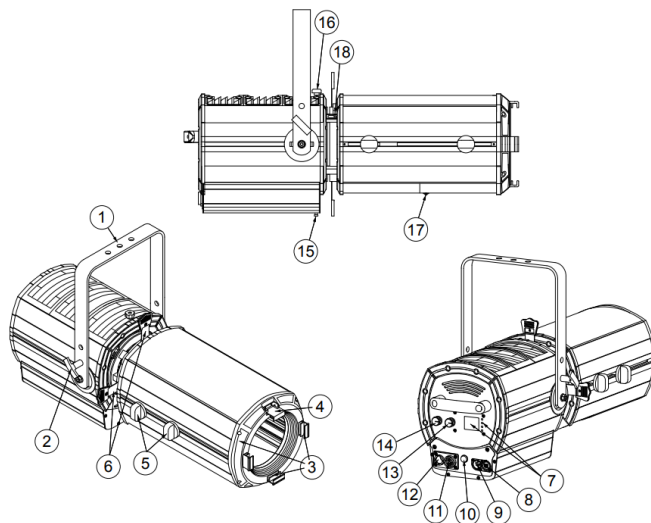
## HARDWARE

### Fresnel and PC:

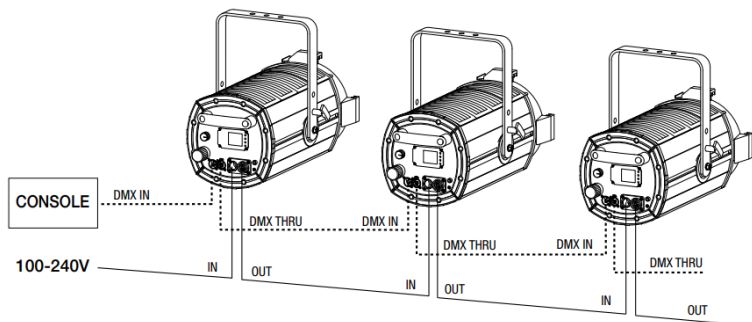
1. Suspension yoke
2. Handle for tilt regulation
3. Accessory slot
4. Accessory locking and releasing guide
7. Display and menu buttons
8. DMX IN connector
9. DMX THRU connector
10. Fuse
11. Power IN (Powercon connector)
12. Power OUT (Powercon connector)
13. Light intensity adjustment knob
14. CCT / Colour wheel adjustment knob

### Profile and Followspot have also:

5. Handles for lens adjustment (zoom and focus)
6. Levers for framing shutters adjustment
15. Screw for front housing removal
16. Front housing rotation stop knob
17. Front housing access door screw for lenses cleaning
18. Gobo slot sliding cover

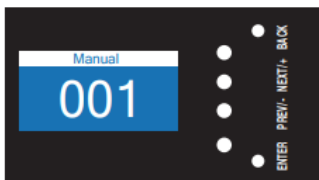
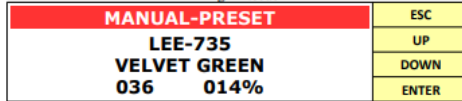


## ELECTRICAL AND DMX CONNECTIONS



## DISPLAY

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |              |              |             | White                                                                                                                                                                                                                       |     | White                                                                                                                                                                                                                         | TW    | RGBW | 6C            | 8C           |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|---------------|--------------|---------------|-------------|-------------|---------|--------------|-------------|--------------|-------------|---------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|--|--|--|
| <p>If the fixture is connected to a DMX console, after 3 seconds the display will show the operating mode and DMX address. If no DMX console is connected, the display will show the potentiometer status.</p> <p>Press the ENTER (or SETUP) button to access the SETTINGS menu.</p> <p>Use the PREV and NEXT buttons to scroll through the menu items. When a parameter with an adjustable value is selected, these buttons can also be used to decrease (–) or increase (+) the value.</p> <p>Press ENTER to access a submenu or edit a parameter. Press ENTER again to confirm the new value, or press BACK to cancel the changes.</p> <p>The BACK button can also be used to exit a submenu and return to the main menu.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |              |              |             |                                                                                                                                            |     | <table><tr><td colspan="2">MANUAL-PRESET</td><td>ESC</td></tr><tr><td colspan="2">LEE-735</td><td>UP</td></tr><tr><td colspan="2">VELVET GREEN</td><td>DOWN</td></tr><tr><td>036</td><td>014%</td><td>ENTER</td></tr></table> |       |      |               |              | MANUAL-PRESET |             | ESC         | LEE-735 |              | UP          | VELVET GREEN |             | DOWN                                                                                  | 036   | 014%                                                                                  | ENTER |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |              |              |             |                                                                                                                                                                                                                             |     | MANUAL-PRESET                                                                                                                                                                                                                 |       | ESC  |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |              |              |             |                                                                                                                                                                                                                             |     | LEE-735                                                                                                                                                                                                                       |       | UP   |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| VELVET GREEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              | DOWN         |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| 036                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 014%         | ENTER        |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |              |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| <p>The CCT/COLOUR WHEEL encoder can be configured with three personalities:</p> <ul style="list-style-type: none"><li>- <b>MANUAL-PRESET:</b> (COLOUR + CCT)</li><li>- <b>MANUAL-COLOUR:</b> LEE filters + custom</li><li>- <b>MANUAL-CCT:</b> CCT</li></ul> <p>To move from one personalities to another</p> <p>1. press the arrows</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |             |                                                                                                                                          |     | <table><tr><td colspan="2">MANUAL-COLOUR</td><td>ESC</td></tr><tr><td colspan="2">LEE-071</td><td>UP</td></tr><tr><td colspan="2">TOKYO BLUE</td><td>DOWN</td></tr><tr><td>105</td><td>041%</td><td>ENTER</td></tr></table>   |       |      |               |              | MANUAL-COLOUR |             | ESC         | LEE-071 |              | UP          | TOKYO BLUE   |             | DOWN                                                                                  | 105   | 041%                                                                                  | ENTER |  |  |  |
| MANUAL-COLOUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              | ESC          |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| LEE-071                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | UP           |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| TOKYO BLUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              | DOWN         |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 041%         | ENTER        |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |              |              |             | <table><tr><td colspan="2">MANUAL-COLOUR</td><td>ESC</td></tr><tr><td colspan="2">LEE-071</td><td>UP</td></tr><tr><td colspan="2">TOKYO BLUE</td><td>DOWN</td></tr><tr><td>167</td><td>065%</td><td>ENTER</td></tr></table> |     |                                                                                                                                                                                                                               |       |      | MANUAL-COLOUR |              | ESC           | LEE-071     |             | UP      | TOKYO BLUE   |             | DOWN         | 167         | 065%                                                                                  | ENTER |                                                                                       |       |  |  |  |
| MANUAL-COLOUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              | ESC          |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| LEE-071                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | UP           |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| TOKYO BLUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              | DOWN         |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| 167                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 065%         | ENTER        |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| <table><tr><td>Encoder wheel</td><td>RED</td><td>YELLOW</td><td colspan="2">WHITE</td></tr><tr><td>Filter / CCT</td><td>stored value</td><td>stored value</td><td>other value</td><td>other value</td></tr><tr><td>Dimmer</td><td>stored value</td><td>other value</td><td>stored value</td><td>other value</td></tr></table> <p>To modify and overwrite the saved Filter/CCT and dimmer values</p> <p>1. select the desired Filter/CCT value</p> <p>2. select the desired dimmer value</p> <p>3. press and hold the CCT/COLOUR WHEEL encoder for 3 seconds</p> <p>Note: when switched on, the fixture recalls all the <u>stored</u> values.</p> <p>To move from 8bit to 16bit</p> <p>1. press and hold the DIMMER encoder for 3 seconds</p> <p>If the fixture is connected to a DMX console, the encoders are automatically disabled.</p> <p>To activate the encoders without disconnecting the fixture from the console</p> <p>1. press and hold the first button from the top for 3 seconds</p> <p>2. to exit this mode, just hold down the same button for 3 seconds</p> <p>3. by turning off/on, this setting is disabled</p> <p>To rotate the display</p> <p>1. press the second and third buttons (arrow buttons) together on the right side of the display</p> |              |              |              |             | Encoder wheel                                                                                                                                                                                                               | RED | YELLOW                                                                                                                                                                                                                        | WHITE |      | Filter / CCT  | stored value | stored value  | other value | other value | Dimmer  | stored value | other value | stored value | other value |  |       |  |       |  |  |  |
| Encoder wheel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RED          | YELLOW       | WHITE        |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| Filter / CCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | stored value | stored value | other value  | other value |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
| Dimmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | stored value | other value  | stored value | other value |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |              |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |              |              |             |                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                               |       |      |               |              |               |             |             |         |              |             |              |             |                                                                                       |       |                                                                                       |       |  |  |  |

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:

- in absence of the DMX signal the fixture is controlled via potenziometers/encoders
- in presence of the fixture receive a relevant DMX signal, the potenziometers/encoders are ignored
- if the DMX input is removed or lost, the last DMX level is kept until you act on the potenziometers/encoders, 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                                                                                                      | White<br>100 200                            | White<br>300 700             | TW                          | RGBW                        | 6C                          | 6C+TW                       | How to...                                                             |
|-----------------|-----------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------------------------------------------|
| DMX<br>SETTINGS | DMX ADDRESS                 | 001 (default) - ... - xxx                                                                                   | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         | <a href="#">How to set the DMX address and DMX personality</a>        |
|                 | DMX PERSONALITY             | See related table                                                                                           | <a href="#">DMX chart 1A</a>                | <a href="#">DMX chart 1B</a> | <a href="#">DMX chart 2</a> | <a href="#">DMX chart 3</a> | <a href="#">DMX chart 4</a> | <a href="#">DMX chart 5</a> |                                                                       |
|                 | WIRELESS<br>DMX             | ACTIVATION                                                                                                  | ON<br>OFF (default)                         | YES                          | YES                         | YES                         | YES                         | YES                         |                                                                       |
|                 |                             | SHoW ID                                                                                                     | 24100 - ... - 24300 (default) - ... - 24359 | YES                          | YES                         | YES                         | YES                         | YES                         |                                                                       |
|                 |                             | SHoW KEY                                                                                                    | 000 (default) - ... - 500                   | YES                          | YES                         | YES                         | YES                         | YES                         |                                                                       |
| STAND<br>ALONE  | STANDALONE SET              | DISABLED (default)<br>STDALONE MANUAL<br>STDALONE AUTO SCENE<br>MASTER MANUAL<br>MASTER AUTO SCENE<br>SLAVE | -                                           | -                            | -                           | YES                         | YES                         | YES                         | <a href="#">How to set the stand alone and master-slave functions</a> |
|                 | 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                         | YES                         | YES                         | YES                         | <a href="#">How to emulate the performance of halogen lamp</a>        |
|                 | DIMMING CURVE               | LINEAR (1)<br>HALO (2)<br>QUADRATIC (default) (3)<br>GAMMA 2.6 (4)<br>GAMMA 2.8 (5)<br>S (6)                | YES                                         | YES                          | YES                         | YES 1-2-3                   | YES                         | YES                         |                                                                       |
|                 | AMBER SHIFT                 | ON<br>OFF (default)                                                                                         | -                                           | -                            | -                           | -                           | YES                         | YES                         |                                                                       |
|                 | OUTPUT FREQUENCY            | 500 - 501 - ... - 1200 (default) - ... - 20000 Hz                                                           | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         | <a href="#">How to remove flickering</a>                              |
|                 | LED BOOST                   | ON<br>OFF (default)                                                                                         | YES                                         | -                            | YES                         | YES                         | YES                         | YES                         | <a href="#">How to increase +20% light output</a>                     |
|                 | FAN MODE                    | AUTO (default)<br>STANDARD<br>SILENT<br><i>*remote control over DMX*</i>                                    | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         | <a href="#">How to set the silent mode</a>                            |
|                 | DISPLAY ROTATION            | STANDARD (default)<br>ROTATED                                                                               | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         | <a href="#">How to set the display</a>                                |
|                 | DISPLAY ON/OFF              | ON (default)<br>OFF                                                                                         | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         | Abilita/disabilita il funzionamento degli encoder                     |
|                 | MANUAL CONTROL              | ON (default)<br>OFF                                                                                         | YES                                         | YES                          | YES                         | -                           | YES                         | YES                         |                                                                       |
|                 | CURRENT MODULATION          | ON (default)<br>OFF                                                                                         | YES                                         | -                            | -                           | -                           | -                           | -                           |                                                                       |
|                 | LED<br>CALIBRATION          | RED 0..255 (default)                                                                                        | -                                           | -                            | -                           | YES                         | YES                         | YES                         | <a href="#">How to set LED calibration</a>                            |
|                 |                             | GREEN 0..255 (default)                                                                                      |                                             |                              |                             | YES                         | YES                         | YES                         |                                                                       |
|                 |                             | BLU 0..255 (default)                                                                                        |                                             |                              |                             | YES                         | YES                         | YES                         |                                                                       |
|                 |                             | WHITE 0..255 (default)                                                                                      |                                             |                              |                             | YES                         | -                           | -                           |                                                                       |
|                 |                             | AMBER 0..255 (default)                                                                                      |                                             |                              |                             | -                           | YES                         | YES                         |                                                                       |
|                 |                             | CYAN 0..255 (default)                                                                                       |                                             |                              |                             | -                           | YES                         | YES                         |                                                                       |
|                 |                             | LIME 0..255 (default)                                                                                       |                                             |                              |                             | -                           | YES                         | YES                         |                                                                       |
|                 | DEFAULT SET*                |                                                                                                             | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         | <a href="#">How to back to the default settings</a>                   |
|                 | FACTORY SETTINGS**          |                                                                                                             | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         |                                                                       |
| INFO            | LED TEMPERATURE             | °C                                                                                                          | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         |                                                                       |
|                 | BOARD TEMPERATURE           |                                                                                                             | YES                                         | YES                          | YES                         | -                           | YES                         | YES                         |                                                                       |
|                 | MICRO-PROCESSOR TEMPERATURE |                                                                                                             | -                                           | YES                          | YES                         | -                           | YES                         | YES                         |                                                                       |
|                 | LED TIME                    |                                                                                                             | YES                                         | YES                          | -                           | -                           | -                           | -                           |                                                                       |
|                 | 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                         | YES                         |                                                                       |
|                 | LIME LED TIME               | hr - min                                                                                                    | -                                           | -                            | -                           | -                           | YES                         | YES                         |                                                                       |
|                 | WARM WHITE TIME             | hr - min                                                                                                    | -                                           | -                            | YES                         | -                           | -                           | YES                         |                                                                       |
|                 | COLD WHITE TIME             | hr - min                                                                                                    | -                                           | -                            | YES                         | -                           | -                           | YES                         |                                                                       |
|                 | UNIT TIME                   | hr - min                                                                                                    | YES                                         | YES                          | YES                         | YES                         | YES                         | YES                         |                                                                       |
|                 | SOFTWARE VERSION            | V. .... Release date                                                                                        | YES                                         | YES                          | YES                         | 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.

### WHITE 100-200W

| 8 bit | 1CH      |           |                            |
|-------|----------|-----------|----------------------------|
|       | Function | DMX value | Description                |
| 1 ch  | DIMMER   | 0..255    | from OFF (0) to full (255) |

| 8 bit | 2CH      |             |                                           |
|-------|----------|-------------|-------------------------------------------|
|       | Function | DMX value   | Description                               |
| 1 ch  | DIMMER   | 0..255      | from OFF (0) to full (255)                |
| 2 ch  | STROBO   | 0<br>1..255 | OFF<br>from slow (3,86 s) to fast (30 ms) |

| 16 bit | 3CH         |             |                                           |
|--------|-------------|-------------|-------------------------------------------|
|        | 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   | STROBO      | 0<br>1..255 | OFF<br>from slow (3,86 s) to fast (30 ms) |

### WHITE 300-700W

| 8 bit | 1CH      |           |                            |
|-------|----------|-----------|----------------------------|
|       | Function | DMX value | Description                |
| 1 ch  | DIMMER   | 0..255    | from OFF (0) to full (255) |

| 8 bit | 3CH            |                   |                            |
|-------|----------------|-------------------|----------------------------|
|       | Function       | DMX value         | Description                |
| 1 ch  | DIMMER         | 0..255            | from OFF (0) to full (255) |
| 2 ch  | STROBO & STORE | See related table |                            |
| 3 ch  | SERVICE        | 0..255            | See related table          |

| 16 bit | 6CH            |                   |                            |
|--------|----------------|-------------------|----------------------------|
|        | 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   | DELAY          | See related table |                            |
| 4 ch   | FAN            | 0..255            | from minimum to maximum    |
| 5 ch   | STROBO & STORE | See related table |                            |
| 6 ch   | SERVICE        | See related table |                            |

#### CURRENT MODULATION Mark-II

This is an operating mode to eliminate flickering disturbances, caused by PWM driving of the LED, and acoustic disturbances, generated by electronic components.

This mode is specifically indicated for applications in TV Studios or acoustic sheels where maximum silence of the devices and the absence of flicker are required.

## TUNABLE WHITE

| EASY  |                            |                   |                            |
|-------|----------------------------|-------------------|----------------------------|
| 8 bit | Function                   | DMX value         | Description                |
| 1 ch  | DIMMER                     | 0..255            | from OFF (0) to full (255) |
| 2 ch  | <a href="#">CCT LINEAR</a> | See related table |                            |

| SPLIT |                                    |                   |                            |
|-------|------------------------------------|-------------------|----------------------------|
| 8 bit | Function                           | DMX value         | Description                |
| 1 ch  | DIMMER                             | 0..255            | GM - GENERAL MASTER        |
| 2 ch  | WARM WHITE                         | 0..255            | from OFF (0) to full (255) |
| 3 ch  | COLD WHITE                         | 0..255            | from OFF (0) to full (255) |
| 4 ch  | <a href="#">STROBO &amp; STORE</a> | See related table |                            |
| 5 ch  | <a href="#">SERVICE</a>            | See related table |                            |

| STUDIO |                                                                        |                   |                            |
|--------|------------------------------------------------------------------------|-------------------|----------------------------|
| 16 bit | 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   | <a href="#">STUDIO CCT</a>                                             | See related table |                            |
| 4 ch   | WW +/-<br>correzione live del CCT STEP<br>selezionato (= "zero point") | 0..5              | OFF                        |
|        |                                                                        | 6..111            | from minimum to standard   |
|        |                                                                        | 112..144          | CCT STEP                   |
|        |                                                                        | 145..239          | from standard to maximum   |
| 5 ch   | CW +/-<br>correzione live del CCT STEP<br>selezionato (= "zero point") | 240..255          | OFF                        |
|        |                                                                        | 0..5              | OFF                        |
|        |                                                                        | 6..111            | from minimum to standard   |
|        |                                                                        | 112..144          | CCT STEP                   |
| 6 ch   | <a href="#">DELAY</a>                                                  | 145..239          | from standard to maximum   |
|        |                                                                        | 240..255          | OFF                        |
| 7 ch   | <a href="#">FAN</a>                                                    | See related table |                            |
| 8 ch   | <a href="#">STROBO &amp; STORE</a>                                     | 0..255            | from minimum to maximum    |
| 9 ch   | <a href="#">SERVICE</a>                                                | See related table |                            |

| SPLIT  |                                    |                   |                            |
|--------|------------------------------------|-------------------|----------------------------|
| 16 bit | 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   | WARM WHITE                         | 0..255            | from OFF (0) to full (255) |
| 4 ch   | WARM WHITE FINE                    | 0..255            | from OFF (0) to full (255) |
| 5 ch   | COLD WHITE                         | 0..255            | from OFF (0) to full (255) |
| 6 ch   | COLD WHITE FINE                    | 0..255            | from OFF (0) to full (255) |
| 7 ch   | <a href="#">DELAY</a>              | See related table |                            |
| 8 ch   | <a href="#">FAN</a>                | 0..255            | from minimum to maximum    |
| 9 ch   | <a href="#">STROBO &amp; STORE</a> | See related table |                            |
| 10 ch  | <a href="#">SERVICE</a>            | See related table |                            |

| THEATRE FULL |                                    |                   |                            |
|--------------|------------------------------------|-------------------|----------------------------|
| 16 bit       | 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         | <a href="#">CCT LINEAR</a>         | See related table |                            |
| 4 ch         | <a href="#">DELAY</a>              | See related table |                            |
| 5 ch         | <a href="#">FAN</a>                | 0..255            | from minimum to maximum    |
| 6 ch         | <a href="#">STROBO &amp; STORE</a> | See related table |                            |
| 7 ch         | <a href="#">SERVICE</a>            | See related table |                            |

## RGBW

| EASY  |                               |                   |                            |
|-------|-------------------------------|-------------------|----------------------------|
| 8 bit | Function                      | DMX value         | Description                |
| 1 ch  | DIMMER                        | 0..255            | from OFF (0) to full (255) |
| 2 ch  | <a href="#">CCT PRESET</a>    | See related table |                            |
| 3 ch  | <a href="#">COLOUR PRESET</a> | See related table |                            |

Note: CCT PRESET has priority over COLOUR PRESET

| HSI   |                                    |                   |                                     |
|-------|------------------------------------|-------------------|-------------------------------------|
| 8 bit | 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  | <a href="#">STROBO &amp; STORE</a> | See related table |                                     |
| 6 ch  | <a href="#">SERVICE</a>            | See related table |                                     |

| CMY   |                                    |                   |                            |
|-------|------------------------------------|-------------------|----------------------------|
| 8 bit | 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  | <a href="#">STROBO &amp; STORE</a> | See related table |                            |
| 6 ch  | <a href="#">SERVICE</a>            | See related table |                            |

| RGBW  |                                    |                   |                            |
|-------|------------------------------------|-------------------|----------------------------|
| 8 bit | 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  | <a href="#">CCT PRESET</a>         | See related table |                            |
| 7 ch  | <a href="#">COLOUR PRESET</a>      | See related table |                            |
| 8 ch  | <a href="#">STROBO &amp; STORE</a> | See related table |                            |
| 9 ch  | <a href="#">SERVICE</a>            | See related table |                            |

| FULL   |                                    |                   |                            |
|--------|------------------------------------|-------------------|----------------------------|
| 16 bit | 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  | <a href="#">COLOUR PRESET</a>      | See related table |                            |
| 12 ch  | <a href="#">CCT PRESET</a>         | See related table |                            |
| 13 ch  | <a href="#">DELAY</a>              | See related table |                            |
| 14 ch  | <a href="#">FAN</a>                | 0..255            | from minimum to maximum    |
| 15 ch  | <a href="#">STROBO &amp; STORE</a> | See related table |                            |
| 16 ch  | <a href="#">SERVICE</a>            | See related table |                            |

## 6 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  | EASY CCT              | 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 COLOUR POINT CCT     |
| 5 ch  | COLOUR POINT CCT | Used to define to SATURATION. See related table (COLOUR POINT CCT) |                                                                         |
| 6 ch  | STROBO & STORE   | See related table                                                  |                                                                         |
| 7 ch  | SERVICE          | See related table                                                  |                                                                         |

| 8 bit | RGBACL         |                   |                            |
|-------|----------------|-------------------|----------------------------|
|       | 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  | CYAN           | 0..255            | from OFF (0) to full (255) |
| 7 ch  | LIME           | 0..255            | from OFF (0) to full (255) |
| 8 ch  | STROBO & STORE | See related table |                            |
| 9 ch  | SERVICE        | See related table |                            |

| 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  | CYAN                  | 0..255                                   | from OFF (0) to full (255)                                |
| 12 ch  | CYAN FINE             | 0..255                                   | from OFF (0) to full (255)                                |
| 13 ch  | LIME                  | 0..255                                   | from OFF (0) to full (255)                                |
| 14 ch  | LIME FINE             | 0..255                                   | from OFF (0) to full (255)                                |
| 15 ch  | ROSCO FILTERS Mark-II | See related table                        |                                                           |
| 16 ch  | LEE FILTERS Mark-II   | See related table                        |                                                           |
| 17 ch  | STUDIO CCT            | See related table                        |                                                           |
| 18 ch  | GREEN +/-             | 0..15<br>16..126<br>127..144<br>145..255 | OFF<br>MINUS GREEN -<br>ZERO POINT-CENTER<br>PLUS GREEN + |
| 19 ch  | DELAY                 | See related table                        |                                                           |
| 20 ch  | FAN                   | 0..255                                   | from minimum to maximum                                   |
| 21 ch  | STROBO & STORE        | See related table                        |                                                           |
| 22 ch  | SERVICE               | See related table                        |                                                           |
| 23 ch  | FREE 1 Mark-II        | (for future use)                         |                                                           |
| 24 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  | CYAN                  | 0..255                                                             | from OFF (0) to full (255)                                          |
| 12 ch  | CYAN FINE             | 0..255                                                             | from OFF (0) to full (255)                                          |
| 13 ch  | LIME                  | 0..255                                                             | from OFF (0) to full (255)                                          |
| 14 ch  | LIME FINE             | 0..255                                                             | from OFF (0) to full (255)                                          |
| 15 ch  | ROSCO FILTERS Mark-II | See related table                                                  |                                                                     |
| 16 ch  | LEE FILTERS Mark-II   | See related table                                                  |                                                                     |
| 17 ch  | SATURATION            | 0..255                                                             | from OFF (0) to full (255) → to dim the channel of COLOUR POINT CCT |
| 18 ch  | COLOUR POINT CCT      | Used to define to SATURATION. See related table (COLOUR POINT CCT) |                                                                     |
| 19 ch  | GREEN +/-             | 0..15<br>16..126<br>127..144<br>145..255                           | OFF<br>MINUS GREEN -<br>ZERO POINT - CENTER<br>PLUS GREEN +         |
| 20 ch  | DELAY                 | See related table                                                  |                                                                     |
| 21 ch  | FAN                   | 0..255                                                             | from minimum to maximum                                             |
| 22 ch  | STROBO & STORE        | See related table                                                  |                                                                     |
| 23 ch  | SERVICE               | See related table                                                  |                                                                     |
| 24 ch  | FREE 1 Mark-II        | (for future use)                                                   |                                                                     |
| 25 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)

| 16 bit | RGBACL Mark-II |           |                            |
|--------|----------------|-----------|----------------------------|
|        | 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  | CYAN           | 0..255    | from OFF (0) to full (255) |
| 12 ch  | CYAN FINE      | 0..255    | from OFF (0) to full (255) |
| 13 ch  | LIME           | 0..255    | from OFF (0) to full (255) |
| 14 ch  | LIME FINE      | 0..255    | from OFF (0) to full (255) |

## 8 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  | EASY CCT              | 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 COLOUR POINT CCT     |
| 5 ch  | COLOUR POINT CCT | Used to define to SATURATION. See related table (COLOUR POINT CCT) |                                                                         |
| 6 ch  | STROBO & STORE   | See related table                                                  |                                                                         |
| 7 ch  | SERVICE          | See related table                                                  |                                                                         |

| 8 bit | RGBACL+WW+CW   |                   |                            |
|-------|----------------|-------------------|----------------------------|
|       | 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  | CYAN           | 0..255            | from OFF (0) to full (255) |
| 7 ch  | LIME           | 0..255            | from OFF (0) to full (255) |
| 8 ch  | WARM WHITE     | 0..255            | from OFF (0) to full (255) |
| 9 ch  | COLD WHITE     | 0..255            | from OFF (0) to full (255) |
| 10 ch | STROBO & STORE | See related table |                            |
| 11 ch | SERVICE        | See related table |                            |

| 16 bit | RGBACL+WW+CW    |           |                            |
|--------|-----------------|-----------|----------------------------|
|        | 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  | CYAN            | 0..255    | from OFF (0) to full (255) |
| 12 ch  | CYAN FINE       | 0..255    | from OFF (0) to full (255) |
| 13 ch  | LIME            | 0..255    | from OFF (0) to full (255) |
| 14 ch  | LIME FINE       | 0..255    | from OFF (0) to full (255) |
| 15 ch  | WARM WHITE      | 0..255    | from OFF (0) to full (255) |
| 16 ch  | WARM WHITE FINE | 0..255    | from OFF (0) to full (255) |
| 17 ch  | COLD WHITE      | 0..255    | from OFF (0) to full (255) |
| 18 ch  | COLD WHITE FINE | 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  | CYAN                  | 0..255                                   | from OFF (0) to full (255)                                  |
| 12 ch  | CYAN FINE             | 0..255                                   | from OFF (0) to full (255)                                  |
| 13 ch  | LIME                  | 0..255                                   | from OFF (0) to full (255)                                  |
| 14 ch  | LIME FINE             | 0..255                                   | from OFF (0) to full (255)                                  |
| 15 ch  | WARM WHITE            | 0..255                                   | from OFF (0) to full (255)                                  |
| 16 ch  | WARM WHITE FINE       | 0..255                                   | from OFF (0) to full (255)                                  |
| 17 ch  | COLD WHITE            | 0..255                                   | from OFF (0) to full (255)                                  |
| 18 ch  | COLD WHITE 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  | STUDIO CCT            | See related table                        |                                                             |
| 22 ch  | GREEN +/-             | 0..15<br>16..126<br>127..144<br>145..255 | OFF<br>MINUS GREEN -<br>ZERO POINT - CENTER<br>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   | 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  | CYAN                  | 0..255                                                             | from OFF (0) to full (255)                                          |
| 12 ch  | CYAN FINE             | 0..255                                                             | from OFF (0) to full (255)                                          |
| 13 ch  | LIME                  | 0..255                                                             | from OFF (0) to full (255)                                          |
| 14 ch  | LIME FINE             | 0..255                                                             | from OFF (0) to full (255)                                          |
| 15 ch  | WARM WHITE            | 0..255                                                             | from OFF (0) to full (255)                                          |
| 16 ch  | WARM WHITE FINE       | 0..255                                                             | from OFF (0) to full (255)                                          |
| 17 ch  | COLD WHITE            | 0..255                                                             | from OFF (0) to full (255)                                          |
| 18 ch  | COLD WHITE 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 COLOUR POINT CCT |
| 22 ch  | COLOUR POINT CCT      | Used to define to SATURATION. See related table (COLOUR POINT CCT) |                                                                     |
| 23 ch  | GREEN +/-             | 0..15<br>16..126<br>127..144<br>145..255                           | OFF<br>MINUS GREEN -<br>ZERO POINT - CENTER<br>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: COLOUR POINT CCT has priority over COLOUR PRESET and it has priority over manual selected colours (from channel 3 to 14)

## Part 5. Related tables

The remote control of the SERVICE channel works only in combination with the STROBE & STORE channel.

### 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.

|                                                             |                                  |                                                      |          |                                 | White | White | TW  | RGBW | 6C  | 8C  |
|-------------------------------------------------------------|----------------------------------|------------------------------------------------------|----------|---------------------------------|-------|-------|-----|------|-----|-----|
| SERVICE 1<br>(RGBW, 6C, 8C)                                 | STAND ALONE<br>(here you create) | <a href="#">CUSTOM PRESETS</a>                       | 0.5      | OFF                             |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 6..18    | CUSTOM PRESET 1                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 19..31   | CUSTOM PRESET 2                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 32..44   | CUSTOM PRESET 3                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 45..57   | CUSTOM PRESET 4                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 58..70   | CUSTOM PRESET 5                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 71..83   | CUSTOM PRESET 6                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 84..96   | CUSTOM PRESET 7                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 97..109  | CUSTOM PRESET 8                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 110..122 | CUSTOM PRESET 9                 |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 123..135 | CUSTOM PRESET 10                | -     | -     | -   | YES  | YES | YES |
|                                                             |                                  |                                                      | 136..148 | CUSTOM PRESET 11 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 149..161 | CUSTOM PRESET 12 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 162..174 | CUSTOM PRESET 13 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 175..187 | CUSTOM PRESET 14 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 188..200 | CUSTOM PRESET 15 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 201..213 | CUSTOM PRESET 16 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 214..226 | CUSTOM PRESET 17 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 227..239 | CUSTOM PRESET 18 <b>Mark-II</b> |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 240..255 | CUSTOM PRESET 19 <b>Mark-II</b> |       |       |     |      |     |     |
| SERVICE<br>(White, TW)<br>or<br>SERVICE 2<br>(RGBW, 6C, 8C) | OPTIONS<br>(here you set)        |                                                      | 0.5      | INACTIVE                        | -     | -     | -   | YES  | YES | YES |
|                                                             |                                  | LED DELAY                                            | 6..11    | OFF                             |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 12..17   | 50 ms                           |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 18..23   | 100 ms                          |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 24..29   | 240 ms                          |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 30..35   | 400 ms                          |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 36..41   | 600 ms                          | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  |                                                      | 42..47   | 800 ms                          |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 48..53   | 1000 ms (default)               |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 54..59   | 1200 ms                         |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 60..65   | 1600 ms                         |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 66..71   | 2000 ms                         |       |       |     |      |     |     |
|                                                             |                                  | DIMMING CURVE                                        | 72..77   | LINEAR                          |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 78..81   | QUADRATIC                       |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 82..83   | S <b>Mark-II</b>                | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  |                                                      | 84..85   | HALO (default)                  |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 86..87   | GAMMA 2.6 <b>Mark-II</b>        |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 88..89   | GAMMA 2.8 <b>Mark-II</b>        |       |       |     |      |     |     |
|                                                             |                                  | OUTPUT FREQUENCY                                     | 90..95   | 600 Hz                          |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 96..101  | 900 Hz                          |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 102..107 | 1200 Hz (default)               |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 108..113 | 2100 Hz                         |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 114..119 | 4200 Hz                         | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  |                                                      | 120..125 | 6000 Hz                         |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 126..131 | 10200 Hz                        |       |       |     |      |     |     |
|                                                             |                                  | LED BOOST                                            | 132..137 | 15600 Hz                        |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 138..143 | 19800 Hz                        |       |       |     |      |     |     |
|                                                             |                                  | FAN MODE                                             | 144..149 | ON                              | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  |                                                      | 150..155 | OFF (default)                   |       |       |     |      |     |     |
|                                                             |                                  | DISPLAY ROTATION<br>DISPLAY ON/OFF                   | 156..161 | AUTO (default)                  |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 162..167 | STANDARD                        | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  |                                                      | 168..173 | SILENT                          |       |       |     |      |     |     |
|                                                             |                                  | LED CALIBRATION                                      | 174..179 | STANDARD (default)              |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 180..185 | ROTATED                         | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  | <a href="#">DEFAULT SETTINGS</a><br>(for future use) | 186..191 | OFF                             |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 192..197 | ON (default)                    |       |       |     |      |     |     |
|                                                             |                                  |                                                      | 198..203 | COLOUR CALIBRATION (for all)    | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  |                                                      | 204..209 | NO FUNCTION (for White 300-700) | -     | YES   | YES | YES  | YES | YES |
|                                                             |                                  |                                                      | 210..255 | FREE                            | -     | YES   | YES | YES  | YES | YES |

### STROBE & STORE CHANNEL

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

|                |           |          |                                                                                                                                                                              |  | White | White | TW  | RGBW | 6C  | 8C  |
|----------------|-----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|-------|-----|------|-----|-----|
| STROBE & STORE | STROBE    | 0        | OFF                                                                                                                                                                          |  |       |       |     |      |     |     |
|                |           | 1..150   | from slow (3,86 s) to fast (30 ms)                                                                                                                                           |  | -     | YES   | YES | YES  | YES | YES |
|                | SERVICE 1 | 151..200 | OFF                                                                                                                                                                          |  |       |       |     |      |     |     |
|                |           | 201..210 | Once created the desired CUSTOM PRESET, keep on hold for 5 seconds to store the new value.<br>(A flash on the screen will confirm that the registration has been completed.) |  | -     | -     | -   | YES  | YES | YES |
|                | SERVICE 2 | 211..230 | OFF                                                                                                                                                                          |  |       |       |     |      |     |     |
|                |           | 231..240 | Once set the desired OPTION, keep on hold for 5 seconds to store the new value.<br>(A flash on the screen will confirm that the registration has been completed.)            |  | -     | YES   | YES | YES  | YES | YES |
|                |           | 241..255 | OFF                                                                                                                                                                          |  |       |       |     |      |     |     |

## CCT CHANNEL

|                 |             | TW       |            | RGBW     | 6C               |            |          | 8C               |            |          |
|-----------------|-------------|----------|------------|----------|------------------|------------|----------|------------------|------------|----------|
|                 |             | LINEAR   | STUDIO CCT | PRESET   | COLOUR POINT CCT | STUDIO CCT | EASY CCT | COLOUR POINT CCT | STUDIO CCT | EASY CCT |
| 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           |             | 0        | 0..35      | 16..45   | 94..94           | 89..91     | 89..95   | 94..94           | 89..91     | 89..95   |
| 2700K-3000K     | 2700K-2800K | 1..41    | -          | -        | 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           |             | 42       | 36..70     | 46..75   | 115..115         | 110..112   | 110..116 | 115..115         | 110..112   | 110..116 |
| 3000K-3200K     | 3000K-3100K | 43..83   | -          | -        | 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) |             | 84       | 71..105    | 76..105  | 129..129         | 124..126   | 124..130 | 129..129         | 124..126   | 124..130 |
| 3200K-3500K     | 3200K-3300K | 85..125  | -          | -        | 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           |             | 126      | 106..140   | 106..135 | 150..150         | 145..147   | 145..151 | 150..150         | 145..147   | 145..151 |
| 3500K-4000K     |             | 127..168 | -          | -        | 151..156         | 148..151   | -        | 151..156         | 148..151   | -        |
| 4000K           |             | 169      | 141..175   | 136..165 | 157..157         | 152..154   | 152..158 | 157..157         | 152..154   | 152..158 |
| 4000K-5600K     | 4000K-5000K | 170..211 | -          | -        | 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           |             | 212      | 176..210   | 166..195 | 171..171         | 166..168   | 166..172 | 171..171         | 166..168   | 166..172 |
| 5600K-6500K     | 5600K-6000K | 213..254 | -          | -        | 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           |             | 255      | 211..225   | 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

|          |     |             |     |             |     |             |     | White       | White | TW | RGBW | 6C  | 8C  |
|----------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-------|----|------|-----|-----|
| STANDARD | 000 | NONE        | 060 | ROSCO R0077 | 120 | ROSCO R4515 | 180 | ROSCO R4730 |       |    |      |     |     |
|          | 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 | -     | -  | -    | YES | YES |
|          | 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   |       |    |      |     |     |
|          | 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   |     |             | -     | -  | -    | YES | YES |

# LEE FILTERS CHANNEL MARK-II

|          |     |          |     |           |     |           |     | White   | White | TW | RGBW | 6C  | 8C  |
|----------|-----|----------|-----|-----------|-----|-----------|-----|---------|-------|----|------|-----|-----|
| STANDARD | 000 | NONE     | 061 | LEE 131   | 122 | LEE 232   | 183 | LEE 787 |       |    |      |     |     |
|          | 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 | -     | -  | -    | YES | YES |
|          | 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 |     |         |       |    |      |     |     |
|          | 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 |     |           |     |         | -     | -  | -    | YES | YES |

# PRESETS MARK-II

|            |           | White | TW | RGBW    |         | 6C            |              |            | 8C            |              |            |
|------------|-----------|-------|----|---------|---------|---------------|--------------|------------|---------------|--------------|------------|
|            |           | White |    | COLOR   | CCT     | MANUAL PRESET | MANUAL COLOR | MANUAL CCT | MANUAL PRESET | MANUAL COLOR | MANUAL 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 |         |               |              |            |               |              |            |
| YELLOW     |           |       |    | 052.055 |         |               |              |            |               |              |            |
| MAGENTA    |           |       |    | 056.059 |         |               |              |            |               |              |            |
| LEE 063    | LEE 179   |       |    |         |         | 028.030       | 127.129      | 001.003    | 100.102       |              |            |
| LEE 117    | LEE 105   |       |    | 112.115 |         | 031.033       | 130.132      | 004.006    | 103.105       |              |            |
| LEE 353    | LEE 158   |       |    | 160.163 |         | 034.036       | 133.135      | 007.009    | 106.108       |              |            |
| LEE 172    | LEE 778   |       |    | 208.211 |         | 037.039       | 136.138      | 010.012    | 109.111       |              |            |
| LEE 118    | LEE 135   |       |    |         |         | 040.042       | 139.141      | 013.015    | 112.114       |              |            |
| LEE 141    | LEE 019   |       |    | 064.067 |         | 043.045       | 142.144      | 016.018    | 115.117       |              |            |
| LEE 165    | LEE 164   |       |    | 164.167 |         | 046.048       | 145.147      | 019.021    | 118.120       |              |            |
| LEE 068    | LEE 106   |       |    | 076.079 | 096.099 | 049.051       | 148.150      | 022.024    | 121.123       |              |            |
| LEE 197    | LEE 026   |       |    | 068.071 |         | 052.054       | 151.153      | 025.027    | 124.126       |              |            |
| LEE 132    | LEE 046   |       |    | 136.139 |         | 055.057       | 154.156      | 028.030    | 127.129       |              |            |
| LEE 079    | LEE 332   |       |    |         |         | 058.060       | 157.159      | 031.033    | 130.132       |              |            |
| LEE 715    | LEE 793   |       |    |         |         | 061.063       | 160.162      | 034.036    | 133.135       |              |            |
| LEE 119    | LEE 128   |       |    | 116.119 | 128.131 | 064.066       | 163.165      | 037.039    | 136.138       |              |            |
| LEE 120    | LEE 111   |       |    |         |         | 067.069       | 166.168      | 040.042    | 139.141       |              |            |
| LEE 713    | LEE 157   |       |    |         |         | 070.072       | 169.171      | 043.045    | 142.144       |              |            |
| LEE 071    | LEE 148   |       |    | 080.083 |         | 073.075       | 172.174      | 046.048    | 145.147       |              |            |
| LEE 729    | LEE 024   |       |    |         |         | 076.078       | 175.177      | 049.051    | 148.150       |              |            |
| LEE 116    | LEE 008   |       |    | 108.111 |         | 079.081       | 178.180      | 052.054    | 151.153       |              |            |
| LEE 115    | LEE 134   |       |    | 104.107 | 140.143 | 082.084       | 181.183      | 055.057    | 154.156       |              |            |
| LEE 131    | LEE 147   |       |    | 132.135 | 152.155 | 085.087       | 184.186      | 058.060    | 157.159       |              |            |
| LEE 323    | LEE 004   |       |    | 060.063 |         | 088.090       | 187.189      | 061.063    | 160.162       |              |            |
| LEE 735    | LEE 154   |       |    | 156.159 |         | 091.093       | 190.192      | 064.066    | 163.165       |              |            |
| LEE 090    | LEE 169   |       |    | 168.171 |         | 094.096       | 193.195      | 067.069    | 166.168       |              |            |
| LEE 139    | LEE 136   |       |    | 144.147 |         | 097.099       | 196.198      | 070.072    | 169.171       |              |            |
| LEE 089    | LEE 170   |       |    |         |         | 100.102       | 199.201      | 073.075    | 172.174       |              |            |
| LEE 122    | LEE 137   |       |    |         |         | 103.105       | 202.204      | 076.078    | 175.177       |              |            |
| LEE 738    | LEE 058   |       |    |         |         | 106.108       | 205.207      | 079.081    | 178.180       |              |            |
| LEE 088    | LEE 180   |       |    | 172.175 |         | 109.111       | 208.210      | 082.084    | 181.183       |              |            |
| LEE 138    | LEE 126   |       |    | 148.151 | 124.127 | 112.114       | 211.213      | 085.087    | 184.186       |              |            |
| LEE 100    | LEE 797   |       |    |         |         | 115.117       | 214.216      | 088.090    | 187.189       |              |            |
| LEE 010    | LEE 798   |       |    |         |         | 118.120       | 217.219      | 091.093    | 190.192       |              |            |
| LEE 101    | LEE 707   |       |    | 084.087 |         | 121.123       | 220.222      | 094.096    | 193.195       |              |            |
| LEE 104    | LEE 181   |       |    |         |         | 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

|       |          |                                                          | White | White | TW  | RGBW | 6C  | 8C  |
|-------|----------|----------------------------------------------------------|-------|-------|-----|------|-----|-----|
| DELAY | 0..45    | NONE (The LED delay follows the set on the menu display) | -     | YES   | YES | 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                 | <ul style="list-style-type: none"> <li>- RDM protocol version</li> <li>- Device Model ID</li> <li>- Product category</li> <li>- Software version</li> <li>- Number of DMX channels</li> <li>- DMX mode</li> <li>- DMX address</li> <li>- Number of sub-devices</li> <li>- Number of sensors</li> </ul> |
| 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           | Display of the values read by the temperature sensor, expressed in tenths of Celsius degree                                                                                                                                                                                                            |
| SENSOR_VALUE                |                                                                                                                                                                                                                                                                                                        |

## Part 7. Error list (Mark-II)

| Error message             | What does it mean?                                        | White | White | TW  | RGBW | 6C  | 8C  |
|---------------------------|-----------------------------------------------------------|-------|-------|-----|------|-----|-----|
| LED NTC SENSOR ERROR      | Incorrect sensor operation NTC LED                        | -     | YES   | YES | -    | 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                       | -     | YES   | YES | -    | YES | YES |
| 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...

This section shows the most common needs of a lighting designer and how to set the main functions.

| ... SET DMX ADDRESS AND CHOOSE DMX PERSONALITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>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.</p> <p>The first fixture is assigned to address channel = 1 and occupies as many channels as indicated in the chosen DMX chart.</p> <ul style="list-style-type: none"> <li>DMX SETTINGS → DMX ADDRESS = 001</li> <li>DMX SETTINGS → DMX PERSONALITY = EASY / 3CH (example)</li> </ul> <p>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.</p> <ul style="list-style-type: none"> <li>DMX SETTINGS → DMX ADDRESS = 004 (example)</li> <li>DMX SETTINGS → DMX PERSONALITY = HSIC 8bit / 7CH (example)</li> </ul>                                                                                                                                                                                                                                                                                                                          |    |
| ... EMULATE THE PERFORMANCE OF A HALOGEN LAMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                       |
| <p>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 behavior.</p> <p>First of all choose a DMX PERSONALITY that allows to set CCT = 3200K</p> <p>Then there are three behaviors to guarantee:</p> <ul style="list-style-type: none"> <li>the typical dimming curve of the halogen lamp: OPTIONS → DIMMING CURVE = HALO</li> <li>the standard delay of the halogen lamp: OPTIONS → LED DELAY = 1000 ms</li> <li>the typical dim to warm to which a halogen lamp tends when decreasing the lighting emission (also called amber shift): OPTIONS → AMBER SHIFT = ON</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |
| ... INCREASE THE LIGHT OUTPUT +20%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |
| <p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <ul style="list-style-type: none"> <li>OPTIONS → FAN MODE = AUTO</li> <li>OPTIONS → LED BOOST = ON</li> </ul> |  |
| ... SET THE FAN MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |
| <p>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).</p> <p>FAN MODE:</p> <ul style="list-style-type: none"> <li>AUTO: the fans are automatically adjusted based on the LED temperature. (where variable fan noise is not a critical parameter)</li> <li>STANDARD: the fans are always kept at the default value (where a constant background noise is required without varying brightness)</li> <li>SILENT: the fans are always kept at the minimum value and in case of critical temperatures of the LED it automatically reduces the brightness</li> </ul> <p>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</p> <p>OPTIONS → FAN MODE = SILENT</p>                                                                                                                                                                                                                                                                                                                                                             |  |
| ... SET THE DISPLAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |
| <p>To avoid unwanted light emission of the display it is recommended to turn it off.</p> <p>OPTIONS → DISPLAY = OFF</p> <p>If the fixture is mounted "upside down" it is also possible to rotate the display to make it easier to read:</p> <p>OPTIONS → DISPLAY ROTATION = ROTATED</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| ... REMOVE FLICKERING EFFECT IN CAMERAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |
| <p>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).</p> <p>OPTIONS → OUTPUT FREQUENCY = xxx (find by trial and error - fine adjustment - the value that removes the flicker in the camera)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p><b>... CALIBRATE LED COLORS</b></p> <p>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:<br/> <a href="#">LED CALIBRATION</a> → <a href="#">RED CALIBRATION</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
| <p><b>... SET THE COLOUR CUSTOM PRESETS</b></p> <p>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:</p> <ul style="list-style-type: none"> <li>• <b>STANDARD PRESETS</b></li> <li>• <b>CUSTOM PRESETS</b></li> </ul> <p>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.</p> <p>To create a CUSTOM PRESET by using the fixture:<br/> <a href="#">STANDALONE</a> → <a href="#">CUSTOM PRESETS</a> → <a href="#">CUSTOM PRESET 1</a> → <a href="#">RED = 255 (i.e.)</a> → <a href="#">CONFIRM</a></p> <p>To create a CUSTOM PRESET by using a DMX console:</p> <ul style="list-style-type: none"> <li>• First of all choose a DMX PERSONALITY that allows to set the SERVICE channel (i.e. DMX PERSONALITY = RGBACL for a 6C fixture)</li> <li>• 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)</li> <li>• to save the tint: modify the DMX value of the STROBE &amp; STORE channel (ch 8) entering a DMX value 201..210 and keep on hold for 5 seconds</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |
| <p><b>... SET STANDALONE AND MASTER-SLAVE FUNCTIONS</b></p> <p>May happen the need to control one or more fixtures without using a console.<br/> The fixture allows operator to create one or more scenes, both in STANDALONE and MASTER-SLAVE.<br/> In case of single fixture, set the fixture according to the number of scenes to be created:</p> <ul style="list-style-type: none"> <li>• <a href="#">STANDALONE</a> → <a href="#">STANDALONE SET</a> → <a href="#">STANDALONE MANUAL</a> (for 1 scene)</li> <li>• <a href="#">STANDALONE</a> → <a href="#">STANDALONE SET</a> → <a href="#">STANDALONE SCENE MODE</a> (for multi scenes)</li> </ul> <p>In case of group of fixtures, set the master fixture according to the number of scenes to be created:</p> <ul style="list-style-type: none"> <li>• <a href="#">STANDALONE</a> → <a href="#">STANDALONE SET</a> → <a href="#">MASTER MANUAL</a> (for 1 scene)</li> <li>• <a href="#">STANDALONE</a> → <a href="#">STANDALONE SET</a> → <a href="#">MASTER AUTO SCENE</a> (for multi scenes)</li> </ul> <p>and set the slave fixture(s):</p> <ul style="list-style-type: none"> <li>• <a href="#">STANDALONE</a> → <a href="#">STANDALONE SET</a> → <a href="#">SLAVE</a></li> </ul> <p>How to create a single scene:<br/> <a href="#">STANDALONE</a> → <a href="#">MANUAL MODE</a> → <a href="#">RED = 020 (i.e.)</a> → <a href="#">CONFIRM</a></p> <p>How to create and manage multiple scenes:</p> <ul style="list-style-type: none"> <li>• create the first scene <a href="#">STANDALONE</a> → <a href="#">AUTO SCENE MODE</a> → <a href="#">CREATE NEW</a></li> <li>• and choose the <a href="#">POSITION</a></li> <li>• then choose the tint (i.e. RED = 100%) <a href="#">STANDALONE</a> → <a href="#">AUTO SCENE MODE</a> → <a href="#">SCENE 1</a> → <a href="#">SCENE SET</a> → <a href="#">RED = 255 (i.e.)</a> → <a href="#">CONFIRM</a></li> <li>• create the second scene <a href="#">STANDALONE</a> → <a href="#">AUTO SCENE MODE</a> → <a href="#">CREATE NEW</a></li> <li>• and choose the <a href="#">POSITION</a></li> <li>• then choose the tint (i.e. GREEN = 100%) <a href="#">STANDALONE</a> → <a href="#">AUTO SCENE MODE</a> → <a href="#">SCENE 1</a> → <a href="#">SCENE SET</a> → <a href="#">GRN = 255 (i.e.)</a> → <a href="#">CONFIRM</a></li> </ul> <p>How to customize parameters of a scene:<br/> <a href="#">STANDALONE</a> → <a href="#">AUTO SCENE MODE</a> → <a href="#">SCENE 2</a> → <a href="#">PAUSE TIME = 1.0 s (i.e.)</a><br/> <a href="#">STANDALONE</a> → <a href="#">AUTO SCENE MODE</a> → <a href="#">SCENE 2</a> → <a href="#">FADE TIME = 2.2 s (i.e.)</a></p> <p>How to delete a scene:<br/> <a href="#">STANDALONE</a> → <a href="#">AUTO SCENE MODE</a> → <a href="#">SCENE 2</a> → <a href="#">SCENE DELETE</a></p> |  |
| <p><b>FUNZIONI AVANZATE SULLA GESTIONE DEL COLORE</b></p> <ul style="list-style-type: none"> <li>• <b>Plus/Minus Green</b> – si tratta di una funzione che consente una regolazione fine della componente verde del CCT selezionato per adeguarlo alle specifiche esigenze dell'applicazione.</li> <li>• <b>Bilanciamento automatico</b> del colore durante l'intera dimmerazione per mantenere la stessa tinta quando diminuisce l'emissione di luce; l'algoritmo consente di: <ul style="list-style-type: none"> <li>○ mantenere fissa la lunghezza d'onda di ogni singolo chip LED colorato</li> <li>○ mantenere costante il rapporto delle emissioni luminose tra i LED di diverso colore al variare dell'emissione luminosa</li> </ul> </li> <li>• <b>Booster</b></li> <li>• <b>Calibrazione</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |

## Part 9. Logistics

The following table shows the weights and dimensions of the fixtures and the relative packaging.

| Fixture |             |                                           |             |                 |       |        | Packing     |                 |       |        | HS Code  |
|---------|-------------|-------------------------------------------|-------------|-----------------|-------|--------|-------------|-----------------|-------|--------|----------|
| Power   | Type        | Code                                      | Weight (kg) | Dimensions (cm) |       |        | Weight (kg) | Dimensions (cm) |       |        |          |
|         |             |                                           |             | Length          | Width | Height |             | Length          | Width | Height |          |
| 100W    | Fresnel     | FN HY LED 100 CW / WW                     | 3,5         | 31              | 22    | 29     | 5           | 42              | 29    | 27     | 94054210 |
|         | PC          | PC HY LED 100 CW / WW                     |             |                 |       |        |             |                 |       |        |          |
|         | Profile     | PR HY LED 100 ZS CW / WW                  | 6,5         | 54              | 34    | 40     | 7,5         | 57              |       |        |          |
|         |             | PR HY LED 100 ZW CW / WW                  |             |                 |       |        |             |                 |       |        |          |
|         | Accessories | TC HY 100                                 | 0,1         | 14              | 0,4   | 14     | 0,1         | 14              | 0,4   | 14     | 94059900 |
|         |             | PL 4 HY 100                               | 0,8         | 22,5            | 17    | 3,5    | 0,9         | 24,5            | 19    | 5,5    |          |
|         |             | DIA HY 100                                | 0,3         | 8,5             | 10,5  | 2,5    | 0,3         | 21              | 13    | 5      |          |
|         |             | PGB R 100                                 | 0,1         | 21              | 10    | 0,5    | 0,1         |                 | 10    | 0,5    |          |
| 200W    | Fresnel     | FN HY LED 200 CW / WW                     | 6           | 36              | 30    | 35     | 6,5         | 46,5            | 31,5  | 38     | 94054210 |
|         |             | FN HY LED 200 TW / RGBW / 6C              | 7,5         | 45              |       | 39     | 8,5         |                 |       |        |          |
|         | PC          | PC HY LED 200 CW / WW                     | 6           | 36              |       | 35     | 6,5         |                 |       |        |          |
|         |             | PC HY LED 200 TW / RGBW / 6C              | 7,5         | 45              |       | 39     | 8,5         |                 |       |        |          |
|         | Profile     | PR HY LED 200 ZS CW / WW / TW / RGBW / 6C | 11,5        | 76              | 34    | 47     | 13,5        | 92              | 36    | 40     | 94059900 |
|         |             | PR HY LED 200 ZW CW / WW / TW / RGBW / 6C | 11          | 64              |       |        | 12,5        | 82              | 34    | 37     |          |
|         | Accessories | TC HY 200                                 | 0,1         | 18,5            | 0,4   | 18,5   | 0,1         | 18,5            | 0,4   | 18,5   |          |
|         |             | PL 4 HY 200                               | 1           | 28,5            | 21    | 4      | 1,1         | 34              | 23    | 5,5    |          |
|         |             | DIA HY 200                                | 0,2         | 21,7            | 12    | 1,3    | 0,3         | 25              | 18    | 1,5    |          |
|         |             | PGB HY 200                                | 0,1         | 24              | 9,5   | 0,4    | 0,1         | 24              | 9,5   | 0,4    |          |
|         |             | PR HY OP ZS                               | 6,2         | 48              | 25,5  | 23     | 7,6         | 71              | 36    | 40     |          |
|         |             | PR HY OP ZW                               | 5,2         | 36              |       |        | 6,5         | 46,5            | 31,5  | 38     |          |
| 300W    | Fresnel     | FN HY LED 300 CW / WW / TW / 6C           | 9,5         | 48              | 30    | 43     | 11          | 71              | 36    | 40     | 94054210 |
|         | PC          | PC HY LED 300 CW / WW / TW / 6C           | 12,5        | 57              |       |        | 13,5        |                 |       |        |          |
|         | Profile     | PR HY LED 300 ZS CW / WW / TW / 6C        | 15          | 76              |       | 34     | 47          |                 |       |        |          |
|         |             | PR HY LED 300 ZW CW / WW / TW / 6C        | 14          | 64              |       |        |             |                 |       |        |          |
|         | Followspot  | FS HY LED 300 CW                          | 19          | 100             | 35    | 35     | 22          | 115             | 40    |        |          |
|         | Cyclorama   | CYC LED 300 RGBW                          | 15          | 57              | 43    | 25     | 18          | 61              | 57    | 33     |          |
|         | Accessories | TC HY 300                                 | 0,3         | 25              | 0,4   | 25     | 0,3         | 25              | 0,4   | 25     | 94059900 |
|         |             | PL 4 HY 300                               | 1,7         | 38              | 27    | 3,5    | 1,7         | 42              | 29    | 5,5    |          |
|         |             | PL 8 HY 300                               | 2           |                 |       |        | 2           |                 |       |        |          |
|         |             | PL 4 HY 300 PLUS                          |             |                 |       |        |             |                 |       |        |          |
| 600W    | Cyclorama   | CYC LED 300 RGBA / 8FC                    | 15          | 57              | 43    | 25     | 18          | 61              | 57    | 33     | 94054210 |
| 700W    | Fresnel     | FN HY LED 700 CW / WW / TW / 8C           | 18          | 60              | 40    | 50     | 24          | 81              | 42    | 44     | 94054210 |
|         | PC          | PC HY LED 700 CW / WW / TW / 8C           | 20          | 69              |       |        |             |                 |       |        |          |
|         | Profile     | PR HY LED 700 ZS CW / WW / TW / 8C        | 27          | 89              |       | 47     | 37          | 134             |       |        |          |
|         |             | PR HY LED 700 ZW CW / WW / TW / 8C        | 25          | 80              |       |        | 31          |                 |       |        |          |
|         | Followspot  | FS HY LED 700 CW                          | 36          | 144             |       | 42     | 90          | 170             | 58    | 81     |          |
|         | Accessories | TC HY 700                                 | 0,4         | 30              | 30    | 0,4    | 0,4         | 30              | 30    | 0,4    | 94059900 |
|         |             | PL 4 HY 700                               | 2,8         | 43              | 35,5  | 0,4    | 2,8         | 43              | 35,5  | 0,4    |          |
|         |             | BS                                        |             |                 |       |        | 11          | 16              | 19    | 110    |          |
|         |             | DIA HY 700                                |             |                 |       |        |             |                 |       |        |          |
|         |             | PGB HY 700                                |             |                 |       |        |             |                 |       |        |          |