

## Part 1. LED sources / PCB board

Power	Type	White	Tunable White	RGBW	6C	8C
50W	Fresnel, PC, Profile	COB Scheda PCB 1				
100W	Fresnel, PC, Profile	COB Scheda PCB 1				
200W	Fresnel, PC, Profile	COB Scheda PCB 1	ARRAY Scheda PCB 2	ARRAY Scheda PCB 2	ARRAY Scheda PCB 2	
300W	Fresnel, PC, Profile, Followspot	ARRAY Scheda PCB 2	ARRAY Scheda PCB 2	ARRAY Scheda PCB 2	ARRAY Scheda PCB 2	
	Cyclorama			ARRAY Scheda PCB 2		
700W	Fresnel, PC, Profile, Followspot	ARRAY Scheda PCB 2	ARRAY Scheda PCB 2			ARRAY Scheda PCB 2

## Part 2. Firmware / User manuals / DMX charts

Power	Type		White (1)	Tunable White (2)	RGBW (3)	6C (4)	8C (5)
50W	Fresnel, PC, Profile	A	V 1.09 <a href="#">User manual 1A</a> <a href="#">DMX chart 1°</a>				
100W	Fresnel, PC, Profile		V 1.09 <a href="#">User manual 1A</a> <a href="#">DMX chart 1°</a>				
200W	Fresnel, PC, Profile		V 1.09 <a href="#">User manual 1A</a> <a href="#">DMX chart 1°</a>	V 1.06 <a href="#">User manual 2</a> <a href="#">DMX chart 2</a>	V 1.01 <a href="#">User manual 3</a> <a href="#">DMX chart 3</a>	V 1.22 <a href="#">User manual 4</a> <a href="#">DMX chart 4</a>	
300W	Fresnel, PC, Profile, Followspot	B (WIRELESS)	V 1.03 <a href="#">User manual 1B</a> <a href="#">DMX chart 1B</a>	V 1.06 <a href="#">User manual 2</a> <a href="#">DMX chart 2</a>	V 1.01 <a href="#">User manual 3</a> <a href="#">DMX chart 3</a>	V 1.22 <a href="#">User manual 4</a> <a href="#">DMX chart 4</a>	
	Cyclorama				V 1.01 <a href="#">User manual 3</a> <a href="#">DMX chart 3</a>		
700W	Fresnel, PC, Profile, Followspot		V 1.03 <a href="#">User manual 1B</a> <a href="#">DMX chart 1B</a>	V 1.06 <a href="#">User manual 2</a> <a href="#">DMX chart 2</a>			?
STAND ALONE							

## Part 3. Safety instruction

This manual contains all the safety information required for the appropriate use of the fixture. It shall be carefully read 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 of 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's 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 product complies with the European Directives:


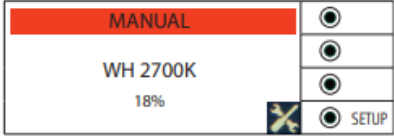
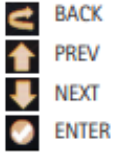
- 2014/35/EU: Safety on Low Voltage Directive LVD
- 2014/30/EU: Electromagnetic Compatibility EMC
- 2011/65/EU: Restriction of Hazardous Substances Directive RoHS



## Part 8. User manual 6C

### MENU

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

<p>If the luminaire is DMX controlled, after 3 seconds the display will show the mode and DMX address</p>	
<p>Otherwise it will show the potentiometers status</p>	
<p>By pressing the SETUP button you access the menu setup.</p> <p>With the PREV and NEXT buttons you can scroll the items list which in case of value type entries will have the function of increasing (+) or decreasing (-) the values.</p> <p>The ENTER button allows to access the submenu and change the values which can be confirmed by pressing ENTER or canceled with the BACK button, which can be used also to exit the submenu and go back to the main menu.</p>	

### OPERATING MODE

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

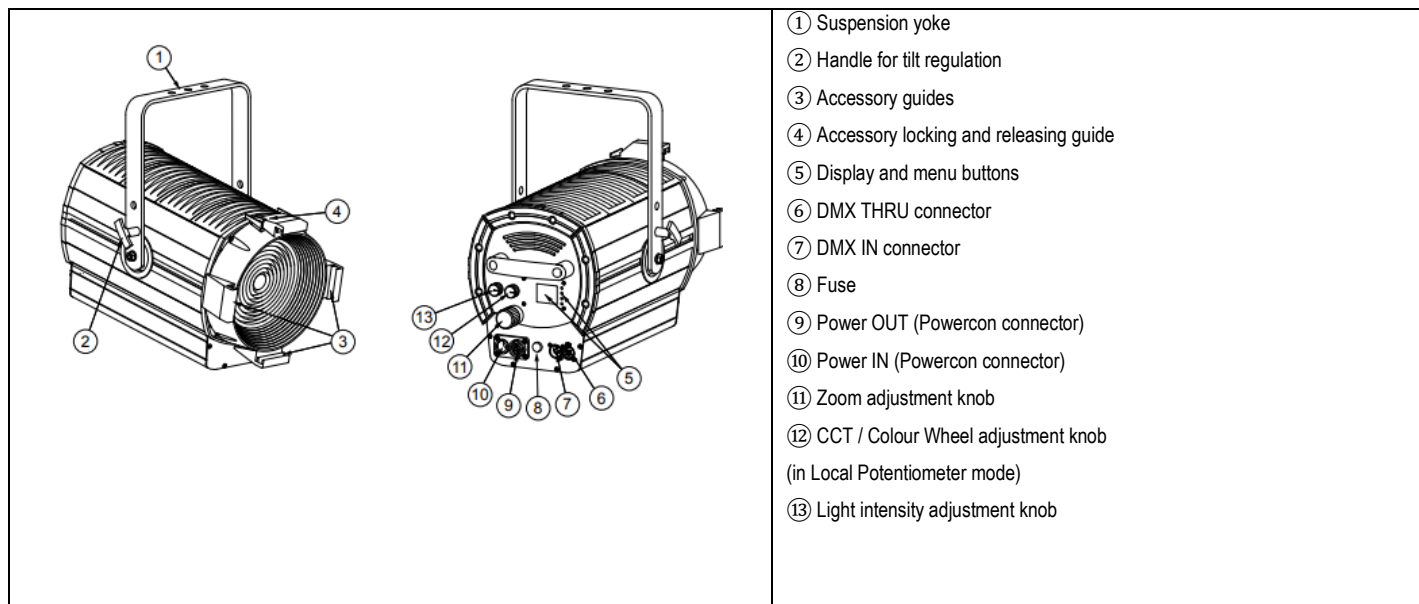
- LOCAL POTENTIOMETER
- DMX (Wireless optional)
- RDM
- STAND ALONE

All the fixtures are equipped with a temperature control of the LED and of the driver motherboard, which, to avoid an early deterioration in case of overtemperature, regulates the light intensity

Input priority is given:

- in absence of the DMX signal, the value set with the potentiometer will be active
- when there is the DMX signal the relevant signal is followed and the potentiometer will be ignored
- if the DMX signal is eliminated or lost, the DMX set level is kept until you act on the potentiometer, which will set the new value

## HARDWARE



You can adjust the light intensity using the potentiometer "DIMMER" and choose the colour temperature through the potentiometer "CCT" according to the following tables:

- 2700 K
- 3000 K
- 3200 K
- 3500 K
- 4000 K
- 5600 K
- 6500 K

## SETTINGS

Voce			Valori	Description	
DMX SETTINGS	DMX ADDRESS		1 (default) ... xxx	Dmx address NOTE: The max value depends on the personality	
	<a href="#">DMX PERSONALITY</a>		See related table		
	WIRELESS DMX	ACTIVATION		ON OFF (default)	Switch ON/OFF the wireless DMX module
UNLINK			Enter to unlink Esc to exit	To unlink the fixture from the wireless dmx transmitter	
STAND ALONE	STD ALONE MODE		DISABLED (default) STANDALONE MANUAL STANDALONE AUTO SC. MASTER MANUAL MASTER AUTO SCENE SLAVE		
	MANUAL MODE				
	AUTO SCENE MODE				
	CUSTOM PRESETS				
OPTIONS	LED DELAY		OFF 30 ms 60 ms 120 ms (default) ... 600 ms	Delay time on LED output. This parameter is ignored when you select a personality containing the "DELAY" channel	
	DIMMING CURVE		LINEAR QUADRATIC (default)	Gamma correction	
	OUTPUT FREQUENCY		500 Hz 800 Hz 1000 Hz (default) 1500 Hz 3000 Hz 5000 Hz 10000 Hz 15000 Hz 20000 Hz	PWM LED frequency	
	LED BOOST		ON OFF (default)	Set the maximum (ON) or nominal (OFF) current value. The absolute values can be set in the Factory menu. When confirmed the luminaire switches off for 1 second The Boost function allows about a 20% increase in light output, but it is exclusively compatible with the FAN MODE function setting in AUTO mode	
	FAN MODE		AUTO (default) STANDARD SILENT	AUTO: the fans are automatically adjusted based on the LED temperature. STANDARD: the fans are always kept at the default value. SILENT: the fans are always kept at the minimum value. NOTE: For some dmx modes this value is ignored.	
	DISPLAY ROTATION		STANDARD (default) ROTATED	180° rotation of the display. Standard = keys to the right of the display	
	DISPALY STANDBY		ON OFF (default)	By selecting ON the display turns off automatically after 60 secs of inactivity	
	LED CALIBRATION	RED calib.		0..255 (default)	
		GREEN calib.		0..255 (default)	
		BLU calib.		0..255 (default)	
		AMBER calib.		0..255 (default)	
		CYAN calib.		0..255 (default)	
		LIME calib.		0..255 (default)	
	DEFAULT SETTINGS				It sets the default for all the user parameters
FACTORY SETTINGS				Factory default setting NOTE: Not for final users	
INFO	LED TEMPERATURE		°C	LED temperature	
	RED LED TIME		hr - min	Life hours	
	GREEN LED TIME		hr - min	Life hours	
	BLU LED TIME		hr - min	Life hours	
	AMBER LED TIME		hr - min	Life hours	
	CYAN LED TIME		hr - min	Life hours	
	LIME LED TIME		hr - min	Life hours	
	UNIT TIME		hr - min	Unit operation time	
SOFTWARE VERSION		V. .... Release date			

## STAND ALONE

### A. STAND ALONE MODE









The luminaire can work also without the DMX or potentiometers control. You can select in which mode to work selecting "STANDALONE" -> "STANDALONE MODE" The foreseen modes are:

- DISABLED: the luminaire is controlled by the dmx input and by the potentiometers
- STANDALONE MANUAL: the luminaire ignores the dmx signal and the potentiometers and the colour can be set from the "STANDALONE" -> "MANUAL MODE" menu
- STANDALONE AUTO SCENE: the luminaire ignores the dmx signal and the potentiometers and performs the memorised scenes sequence, (max 10 scenes), selectable from the "STANDALONE" -> "AUTO SCENE MODE" menu
- MASTER MANUAL: the luminaire ignores the dmx signal, turns to a fix colour selectable from the "STANDALONE" -> "MANUAL MODE" menu and sends on the DMX line out the command to activate that specific colour on the luminaires connected via DMX
- MASTER AUTO SCENE: the luminaire ignores the dmx signal and the potentiometers, performs the memorised scenes sequence selectable from the "STANDALONE" -> "AUTO SCENE MODE" menu and sends on the DMX line out the command to perform the same sequence on the luminaires connected via DMX
- SLAVE: the luminaire ignores the dmx signal and the potentiometers, and it performs the instructions received by the MASTER luminaire on the DMX line. The mode setup is saved, displayed in the main screen, and it will reappear as active when the luminaire is switched on again.

If at the startup the MASTER luminaire (in manual or auto scene mode) detects a DMX IN signal, it will show the set scene or sequence but it will not transmit it to the SLAVE luminaires and it will show in the main screen that DMX line is busy. To have the system working correctly the DMX IN source must be eliminated. When one of the standalone modes is active, the luminaire ignores the standard dmx signal and the potentiometers.

### B. MANUAL MODE

Push UP or DOWN to select which item to edit (RED, GREEN, etc. is highlighted)  
 Press ENTER to proceed with the editing: the value next to the item lights up. Use the dimmer potentiometer to edit the value  
 Press ENTER to confirm the editing, ESC to go back  
 Once all the desired items are edited:  
 - move to CONFIRM and press ENTER to confirm or move to ABORT and press ENTER to cancel the changes  
 - press ESC on any entry to exit without saving the changes

MANUAL			
RED 000	AMB 000		
GRN 000	CYA 000		
BLU 000	LIM 000		
ABORT	CONFIRM		

### C. AUTO SCENE MODE

#### MENU STAND ALONE -> AUTO SCENE

Item	Value	Def	Description
SCENE 1 - SCENE 10			Creation and editing of the scenes
MANUAL MODE	IN FIRST POSITION - AFTER SCENE 1 - AFTER SCENE 8 - IN LAST POSITION	IN LAST POSITION	Selecting this entry you can insert a new scene in the desired position by using the # and = keys









## SCENE X

#### MENU STAND ALONE -> AUTO SCENE -> SCENE X

Item	Value	Def	Description
SCENE SET			You enter in the scene setting screen, described in the relevant paragraph.
PAUSE TIME	0.1 - 60.0 s	1.0 s	It is the duration time of the scene
FADE TIME	0.1 - 60.0 s	1.0 s	It is the fading time towards the next scene
SCENE DELETE	Enter to Delete Esc to Exit		Deleting of the scene
FROM DMX	Enter to Copy from Dmx Esc to Exit		Copy of the scene from Dmx signal: press Enter to see the set scene through Dmx and press Enter again to confirm the copy. In case of DMX absence, "Dmx Not Present" will be displayed
SCENE COPY	Enter to Copy Esc to Exit		COPY of the scene: the scene (RGBACL values + pause time and Fade) is copied in the memory so to be pasted later
SCENE PASTE	Enter to Paste Esc to Exit		PASTE the scene: the scene previously copied is pasted on the activescene.

## SCENE X -> SCENE SET

Push UP or DOWN to select which item to edit (RED, GREEN, etc. is highlighted)  
 Press ENTER to proceed with the editing: the value next to the item lights up. Use the dimmer potentiometer to edit the value  
 Press ENTER to confirm the editing, ESC to go back  
 Once all the desired items are edited:  
 - move to CONFIRM and press ENTER to confirm or move to ABORT and press ENTER to cancel the changes  
 - press ESC on any entry to exit without saving the changes










SCENE X			
RED 000	AMB 000		
GRN 000	CYA 000		
BLU 000	LIM 000		
ABORT	CONFIRM		

## D. CUSTOM PRESETS MODE

Item	Value	Def	Description
CUSTOM PRESET 1			Selection of the custom preset to edit. The custom presets can be edited also via Dimx
...			
CUSTOM PRESET 10			

### CUSTOM PRESET X

Push UP or DOWN to select which item to edit (RED, GREEN, etc. is highlighted)  
 Press ENTER to proceed with the editing: the value next to the item lights up. Use the dimmer potentiometer to edit the value  
 Press ENTER to confirm the editing, ESC to go back  
 Once all the desired items are edited:  
 - move to CONFIRM and press ENTER to confirm or move to ABORT and press ENTER to cancel the changes  
 - press ESC on any entry to exit without saving the changes

CUSTOM PRESET X			
RED 000	AMB 000		
GRN 000	CYA 000		
BLU 000	LIM 000		
ABORT	CONFIRM		

## DMX PERSONALITIES (DMX CHART 4)

### A. EASY – 3ch / 8BIT

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

PRIORITY:

- 1) if CCT ACTIVE → PRIORITY is CCT
- 2) if CCT IS DEACTIVATED → COLOR PRESET PRIORITY

### B. HSIC – 7ch / 8BIT

	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	Color saturation - from the HUE preset towards the chosen white in the CCT Color Point (COLOR POINT CCT - ALWAYS ACTIVE)
5 ch	CCT LINEAR		
6 ch	STROBO & STORE	See related table	
7 ch	SERVICE	See related table	

### C. RGBACL – 9ch / 8BIT

	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	

### D. STUDIO – 21ch / 16BIT

	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	COLOUR PRESET	See related table	
16 ch	CCT STEPS	See related table	
17 ch	GREEN +/-	0..15 16..126 127..144 145..255	OFF MINUS GREEN - ZERO POINT - CENTER PLUS GREEN +
18 ch	DELAY	See related table	
19 ch	FAN	0..255	from minimum to maximum
20 ch	STROBO & STORE	See related table	
21 ch	SERVICE	See related table	



## E. THEATRE – 22ch / 16BIT

	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	COLOUR PRESET	See related table	
16 ch	SATURATION	See related table	
17 ch	CCT LINEAR	See related table	
18 ch	GREEN +/-	0..15 16..126 127..144 145..255	OFF MINUS GREEN - ZERO POINT - CENTER 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	

### PRIORITY:

- 1) if Color Point CCT ACTIVE → PRIORITY is CCT:  
if SATURATION is at 0, only the RGBACL selection is active  
if SATURATION is at 255, the selected WHITE is active
- 2) if CCT is OFF → PRIORITY of the COLOUR PRESET
- 3) if COLOR PRESET is OFF → PRIORITY of the RGBACL CHANNELS

## F. RGB – 6ch / 8BIT

	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	STROBO & STORE	See related table	
6 ch	SERVICE	See related table	

## G. CMY – 6ch / 8BIT

	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	STROBO & STORE	See related table	
6 ch	SERVICE	See related table	

## Part 10. Related tables

### SERVICE CHANNEL

Permette di modificare tutte le opzioni da remote (console) che normalmente si impostano manualmente dal menu OPTIONS del faro

È una sorta di RDM di Spotlight che non necessita una console RDM

Service - Saving mode of a setup (EXCLUDING COLOUR CALIBRATION)

1. Select the setup you wish to perform through the SERVICE channel
2. Move the ADVANCED STROBE channel to the SERVICE channel - the luminaire switches on at FULL WHITE
3. Keep on hold for 5 secs. Three flashes confirm that the operation was completed

SERVICE - COLOUR CALIBRATION saving mode (the COLOUR CALIBRATION is available only for the dmx FULL 16bit mode)

1. Set the first 4 DMX channels on the desired calibration values WW1, WW2, CW1, CW2
2. Select the COLOUR CALIBRATION range (192..197) on the SERVICE channel
3. Move the ADVANCED STROBE channel in the SERVICE range (231..240); the luminaire switches on at the calibration values set on channels 1..4
4. Keep on hold for 5 secs. Three flashes confirm that the operation was completed.

When the dmx channel SERVICE is in the COLOUR CALIBRATION area and the dmx ADVANCED STROBE channel is in the SERVICE range the luminaire switches on at the calibration values set in channels 1..4: during this phase it is possible to adjust these calibration values; it will be then enough to move the dmx ADVANCED STROBE channel out of the SERVICE 2 value range, and then take it back to that range and wait for 5 seconds to have the calibration values saved. The operation will be confirmed by three flashes of the luminaire.

SERVICE --> non live, remozione delle OPTIONS del display sulla console	0..5	OFF
	6..11	LED DELAY OFF
	12..17	LED DELAY 50 ms
	18..23	LED DELAY 100 ms
	24..29	LED DELAY 240 ms
	30..35	LED DELAY 400 ms
	36..41	LED DELAY 600 ms
	42..47	LED DELAY 800 ms
	48..53	LED DELAY 1000 ms (default)
	54..59	LED DELAY 1200 ms
	60..65	LED DELAY 1600 ms
	66..71	LED DELAY 2000 ms
	72..77	CURVE LINEAR
	78..83	CURVE QUADRATIC
	84..89	CURVE HALO (default)
	90..95	FREQUENCY 500 Hz
	96..101	FREQUENCY 800 Hz
	102..107	FREQUENCY 1000 Hz (default)
	108..113	FREQUENCY 1500 Hz
	114..119	FREQUENCY 3000 Hz
	120..125	FREQUENCY 5000 Hz
	126..131	FREQUENCY 10000 Hz
	132..137	FREQUENCY 15000 Hz
	138..143	FREQUENCY 20000 Hz
	144..149	LED BOOST ON <i>(only in combination with FAN MODE AUTO)</i>
150..155	LED BOOST OFF (default)	
156..161	FAN MODE AUTO <i>(regola la velocità in base alla temperatura del LED e della scheda)</i>	
162..167	FAN MODE STANDARD	
168..173	FAN MODE SILENT	
174..179	DISPLAY STANDARD	
180..185	DISPLAY ROTATED	
186..191	DISPLAY OFF <i>goes OFF after 10s</i>	
192..197	DISPLAY ON <i>display always ON</i>	
198..203	COLOUR CALIBRATION	
204..209	DEFAULT SET	
210..255	OFF	

SERVICE 1	0..5	OFF
	6..30	SAVE CUSTOM PRESET 1
	31..55	SAVE CUSTOM PRESET 2
	56..80	SAVE CUSTOM PRESET 3
	81..105	SAVE CUSTOM PRESET 4
	106..130	SAVE CUSTOM PRESET 5
	131..155	SAVE CUSTOM PRESET 6
	156..180	SAVE CUSTOM PRESET 7
	181..205	SAVE CUSTOM PRESET 8
	206..230	SAVE CUSTOM PRESET 9
	231..255	SAVE CUSTOM PRESET 10
SERVICE 2	0..5	OFF
	6..11	LED DELAY OFF
	12..17	LED DELAY 50 ms
	18..23	LED DELAY 100 ms
	24..29	LED DELAY 240 ms
	30..35	LED DELAY 400 ms
	36..41	LED DELAY 600 ms
	42..47	LED DELAY 800 ms
	48..53	LED DELAY 1000 ms (default)
	54..59	LED DELAY 1200 ms
	60..65	LED DELAY 1600 ms
	66..71	LED DELAY 2000 ms
	72..77	CURVE LINEAR
	78..83	CURVE QUADRATIC
	84..89	CURVE HALO (default)
	90..95	FREQUENCY 500 Hz
	96..101	FREQUENCY 800 Hz
	102..107	FREQUENCY 1000 Hz (default)
	108..113	FREQUENCY 1500 Hz
	114..119	FREQUENCY 3000 Hz
	120..125	FREQUENCY 5000 Hz
	126..131	FREQUENCY 10000 Hz
	132..137	FREQUENCY 15000 Hz
	138..143	FREQUENCY 20000 Hz
	144..149	LED BOOST ON <i>(only in combination with FAN MODE AUTO)</i>
	150..155	LED BOOST OFF (default)
	156..161	FAN MODE AUTO <i>regulated in relation to the LED Temperature (Default factory setting)</i>
	162..167	FAN MODE STANDARD (always the same standard speed)
168..173	FAN MODE SILENT (lightoutput temperature controlled)	
174..179	DISPLAY STANDARD (default)	
180..185	DISPLAY ROTATED	
186..191	DISPLAY OFF <i>goes OFF after 10s</i>	
192..197	DISPLAY ON <i>display always ON</i>	
198..203	COLOUR CALIBRATION (use the first 6 color channels of RGBACL, keep on hold SERVICE 2 for 5 sec.	
204..209	DEFAULT SET	
210..255	FREE	

To store the desired fixture parameters: select manually the desired parameter in SERVICE --> enter in STROBE & STORE --> hold for 5 seconds a DMX value (226..230).

## DELAY CHANNEL

DELAY	0..45	NO FUNCTION – The LED delay follows the set on the menu display
	46..55	0 ms
	56..65	30 ms
	66..75	60 ms
	76..85	90 ms
	86..95	120 ms
	96..105	150 ms
	106..115	180 ms
	116..125	210 ms
	126..135	240 ms
	136..145	270 ms
	146..155	300 ms
	156..165	330 ms
	166..175	360 ms
	176..185	390 ms
	186..195	420 ms
	196..205	450 ms
	206..215	480 ms
	216..225	510 ms
	226..235	540 ms
236..245	570 ms	
246..255	600 ms	

## CCT CHANNEL

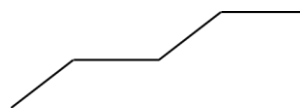
CCT LINEAR (6C)	CCT STEP (6C)	
0.. 0..	5.. 7	1500 K
1.. 7..	8.. 11	from 1500K to 1600K
8.. 8..	12.. 14	1600 K
9.. 15	15.. 18	from 1600K to 1700K
16.. 16	19.. 21	1700 K
17.. 23	22.. 25	from 1700K to 1800K
24.. 24	26.. 28	1800 K
25.. 31	29.. 32	from 1800K to 1900K
32.. 32	33.. 35	1900 K
33.. 39	36.. 39	from 1900K to 2000K
40.. 40	40.. 42	2000 K
41.. 47	43.. 46	from 2000K to 2100K
48.. 48	47.. 49	2100 K
49.. 55	50.. 53	from 2100K to 2200K
56.. 56	54.. 56	2200 K
57.. 63	57.. 60	from 2200K to 2300K
64.. 64	61.. 63	2300 K
65.. 71	64.. 67	from 2300K to 2400K
72.. 72	68.. 70	2400 K
73.. 79	71.. 74	from 2400K to 2500K
80.. 80	75.. 77	2500 K
81.. 86	78.. 81	from 2500K to 2600K
87.. 87	82.. 84	2600 K
88.. 93	85.. 88	from 2600K to 2700K
94.. 94	89.. 91	2700 K
95.. 100..	92.. 95	from 2700K to 2800K
101.. 101	96.. 98	2800 K
102.. 107	99.. 102	from 2800K to 2900K
108.. 108	103.. 105	2900 K
109.. 114	106.. 109	from 2900K to 3000K
115.. 115	110.. 112	3000 K
116.. 121	113.. 116	from 3000K to 3100K
122.. 122	117.. 119	3100 K
123.. 128	120.. 123	from 3100K to 3200K
129.. 129	124.. 126	3200 K
130.. 135	127.. 130	from 3200 K to 3300K
136.. 136	131.. 133	3300 K
137.. 142	134.. 137	from 3300K to 3400K
143.. 143	138.. 140	3400 K
144.. 149	141.. 144	from 3400K to 3500K
150.. 150	145.. 147	3500 K
151.. 156	148.. 151	from 3500K to 4000K
157.. 157	152.. 154	4000 K
158.. 163	155.. 158	from 4000K to 5000K
164.. 164	159.. 161	5000 K
165.. 170	162.. 165	from 5000K to 5600K
171.. 171	166.. 168	5600 K
172.. 177	169.. 172	from 5600K to 6000K
178.. 178	173.. 175	6000 K
179.. 184	176.. 179	from 6000K to 6500K
185.. 185	180.. 182	6500 K
186.. 191	183.. 186	from 6500K to 8000K
192.. 192	187.. 189	8000 K
193.. 198	190.. 193	from 8000K to 10000K
199.. 199	194.. 196	10000 K
200.. 205	197.. 200	from 10000K to 12000K
206.. 206	201.. 203	12000 K
207.. 212	204.. 207	from 12000K to 14000K
213.. 213	208.. 210	14000 K
214.. 219	211.. 214	from 14000K to 15000K
220.. 220	215.. 217	15000 K
221.. 226	218.. 221	from 15000K to 16000K
227.. 227	222.. 224	16000 K
228.. 233	225.. 228	from 16000K to 17000K
234.. 234	229.. 231	17000 K
235.. 240	232.. 235	from 17000K to 180000K
241.. 241	236.. 239	18000 K
242.. 247	240.. 243	from 18000K to 190000K
248.. 248	244.. 247	19000 K
249.. 254	248.. 251	from 19000K to 20000K
255.. 255	252.. 255	20000 K

CCT PRESET(6C)	
0..4	NONE
5.. 11	1500 K
12.. 18	1600 K
19.. 25	1700 K
26.. 32	1800 K
33.. 39	1900 K
40.. 46	2000 K
47.. 53	2100 K
54.. 60	2200 K
61.. 67	2300 K
68.. 74	2400 K
75.. 81	2500 K
82.. 88	2600 K
89.. 95	2700 K
96.. 102	2800 K
103.. 109	2900 K
110.. 116	3000 K
117.. 123	3100 K
124.. 130	3200 K
131.. 137	3300 K
138.. 144	3400 K
145.. 151	3500 K
152.. 158	4000 K
159.. 165	5000 K
166.. 172	5600 K
173.. 179	6000 K
180.. 186	6500 K
187.. 193	8000 K
194.. 200	10000 K
201.. 207	12000 K
208.. 214	14000 K
215.. 221	15000 K
222.. 228	16000 K
229.. 235	17000 K
236.. 242	18000 K
243.. 249	19000 K
250.. 255	20000 K

CCT PRESET (RGBW)	
0..15	NONE
16..45	2700 K
46..75	3000 K
76..105	3200 K
106..135	3500 K
136..165	4000 K
166..195	5600 K
196..225	6500 K
226..255	8000 K

CCT PRESET (TW)	
0..35	2700 K
36..70	3000 K
71..105	3200 K
106..140	3500 K
141..175	4000 K
176..210	5600 K
211..225	6500 K

CCT LINEAR (TW)	
0	2700 K
1..41	from 2700K to 3000K
42	3000 K
43..83	from 3000K to 3200K
84	3200 K
85..125	from 3200K to 3500K
126	3500 K
127..168	from 3500K to 4000K
169	4000 K
170..211	from 4000K to 5600K
212	5600 K
213..254	from 5600K to 6500K
255	6500 K



STEP



LINEAR



PRESET

**STROBE AND STORE CHANNEL**

STROBE & STORE	STROBE	0 1..150 151..200	OFF from slow (3,86 s) to fast (30 ms) OFF
	STORE	201..210 211..230 231..240  241..255	FARO ON al colore impostato Abilitazione comando SERVICE 1 (impostazione di un custom preset, e attendere per 5 sec.) OFF FULL WHITE Abilitazione comando SERVICE 2 (impostazione di un parametro del faro, e attendere per 5 secondi). *Nelle modalità DMX in cui la funzione "SERVICE 2"-LED CALIBRATION" è prevista, se SERVICE 2 è impostato su "LED CALIBRATION", in questo intervallo di valori il faro è acceso con i valori di calibrazione impostati nei canali 1..4 OFF

**COLOUR CHANNEL**

COLOUR PRESET	0..35	NONE
	36..39 40..43 44..47 48..51 52..55 56..59	RED GREEN BLUE CYAN YELLOW MAGENTA
	60..63 64..67 68..71 74..75 76..79 80..83 84..87 88..91 92..95 96..99 100..103 104..107 108..111 112..115 116..119 120..123 124..127 128..131 132..135 136..139 140..143 144..147 148..151 152..155 156..159 160..163 164..167 168..171 172..175 176..179 180..183 184..187 188..191 192..195 196..199 200..203 204..207 208..211 212..215	LEE 004 - MEDIUM BASTARD AMBER LEE 019 - FIRE LEE 026 - BRIGHT RED LEE 058 - LAVENDER LEE 068 - SKY BLUE LEE 071 - TOKYO BLUE LEE 101 - YELLOW LEE 102 - LIGHT AMBER LEE 103 - STRAW LEE 106 - PRIMARY RED LEE 111 - DARK PINK LEE 115 - PEACOCK BLUE LEE 116 - MEDIUM BLUE-GREEN LEE 117 - STEEL BLUE LEE 119 - DARK BLUE LEE 124 - DARK GREEN LEE 126 - MAUVE LEE 128 - BRIGHT PINK LEE 131 - MARINE BLUE LEE 132 - MEDIUM BLUE LEE 134 - GOLDEN AMBER LEE 136 - PALE LAVENDER LEE 138 - PALE GREEN LEE 147 - APRICOT LEE 154 - PALE ROSE LEE 158 - DEEP ORANGE LEE 165 - DAYLIGHT BLUE LEE 169 - LILAC TINT LEE 180 - DARK LAVENDER LEE 201 - FULL CT BLUE LEE 202 - HALF CT BLUE LEE 203 - QUARTER CT BLUE LEE 204 - FULL CT ORANGE LEE 205 - HALF CT ORANGE LEE 206 - QUARTER CT ORANGE LEE 247 - FILTER MINUS GREEN LEE 248 - HALF MINUS GREEN LEE 778 - MILLENIUM GOLD LEE 793 - VANITY FAIR
216..219 220..223 224..227 228..231 232..235 236..239 240..243 244..247 248..251 252..255	CUSTOM - PRESET 1 CUSTOM - PRESET 2 CUSTOM - PRESET 3 CUSTOM - PRESET 4 CUSTOM - PRESET 5 CUSTOM - PRESET 6 CUSTOM - PRESET 7 CUSTOM - PRESET 8 CUSTOM - PRESET 9 CUSTOM - PRESET 10	

## Part 11. RDM (Remote Device Management)

Si tratta di uno standard internazionale uguale per tutti i fari (Spotlight + marchi concorrenti)

Per funzionare richiede necessariamente una console RDM

(ANSI E1.20 - 2010)

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