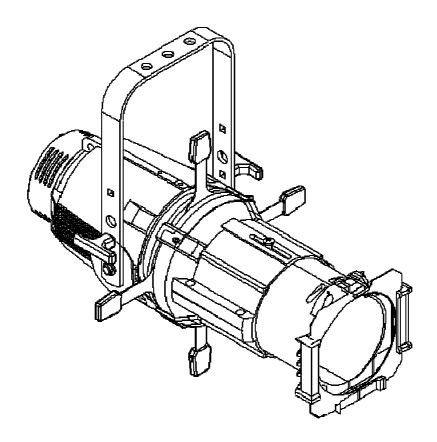
Lites PROFILE C6 COLOUR RGBACL

Owner's and service manual



Read this manual throughout and carefully follow all the instructions contained. File this manual for future perusals. It is essential to read and follow guidelines and other information contained in this manual to ensure correct installation, service and full operations of the Lites Profile. All operations must be accomplished, handled and carried out by qualified personnel only.

NOT COMPLYNIG WITH GIVEN NOTICE WILL VOID WARRANTY AND WILL TOTALLY DISCHARGE THE MANUFACTURER FROM ANY RESPONSABILITY

www.litessrl.com

Unpacking

Unpack the carton and gently remove Lites Profile C6 from the box. Ensure all parts and components of the Lites Profile C6 received are undamaged.

In the event the Lites Profile C6 shows any damage, do not use it and contact immediately your transporter as well as your seller.

Items in the carton consist of:

- Lites Profile C6 T luminaire
- Colour frame
- Blue Neutrik PowerCon connector
- This owner's and service manual



Safety information for the use of the Lites Profile C6 and its periodical maintenance

- Lites Profile C6 is for professional use only and NEVER for domestic use.
- Users must scrupulously comply with manufacturer's guideline that follows; any other use in contrast with the provided information will void warranty and will discharge the manufacturer from any legal responsibility
- Never use Lites Profile C6 on any flammable surfaces.
- Minimum distance from any flammable source is of 0.25m.
- Minimum throw distance from illuminated surface: 1m.
- Installation of the unit(s) must be secured with adequate clamps, safety cords, nuts and bolts to bear twice the weight of the whole unit(s)
- Always power Lites Profile C6 to safety circuit breakers. Lites Profile C6 MUST NOT and CAN NOT be operated via Phase Control Dimmer.
- Install Lites Profile C6 in ventilated ambient which temperature must not exceed + 35°C (+ 95° F)
- Caution: when in operation some outer body-parts of the Lites Profile C6 can reach temperatures of up to + 60C° (+ 140° F)
- Lites Profile C6 must be fitted with protection shields (Lenses)
- Always disconnect power, (always check twice that power is off) before Servicing/Operating the unit.
- Lites Profile C6 is rated Class I
- Protection rating IP20
- Earth connection is MANDATORY!
- LED core must never be touched in any way as it may impair its use.
- An essential and periodically throughout cleaning of the Lites Profile C6 is recommended. This practice avoids that layers of dust and other impurity put at risk and reduce the correct operation of the unit. Lenses must be cleaned; remove layers of dust that may impede and or reduce the passage of the light through the lenses. The correct and periodically maintenance keeps also fans and vents clean, this practice ensures the best conditions and performance of the Lites Profile C6. Never touch the yellow LED core in any way nor use solvents as this can irremediably damage the LED. Protection shields (lenses) if worn out, must be replaced with new ones



CE APPROVALS

The Lites Profile products to which this manual refers to, complies with European directive pursuant to: 2014/35/EU safety of electrical equipment supplied at low voltage (LVD)

2014/30/EU Electromagnetic compatibility (EMC)

2011/65/EU Restriction of the use of certain hazardous substances (RoHS)

WARRANTY

A 24-month warranty is granted on the Lites Profile C6 from its purchase's date. Warranty covers fabrication defects only, unit is not replaced but will be 100% fixed. Lites Profile C6 must be handled and used by qualified people, as if not, it will void the warranty. Warranty is also voided if qualified personnel and users do not and have not handled the Lites Profile C6 properly. Any improper and unauthorised use, such modification(s) or misapplication of the unit will also void the warranty of the product(s). Silver colour label showing technical data and serial number, if removed or if data are altered or tampered to change specs or render details illegible, will also immediately void the warranty.

Technical specifications

Power Supply 100-240 V~ 50/60Hz

Maximum power consumption 175W cos Ø 0,98
Stand-by power consumption 3W
Minimum ambient temperature -10°C
Maximum ambient temperature 35°C

LED Colour RGBACL: Red; green; blue; amber; cyan; lime

30 colored presets

LED CRI: Minimun CRI: 93> and 98>(depending on the selected white)

10 white presets from 2,300 ° K to 10,000 ° k

LED Life (30,000 Hours Manufacturers Specifications)

Colour frame dimensions: 163x159 mm
Aluminium die-caste body to maximize heat dissipation
Weight 7,5 Kg
IP Rating 20
Working position Any

Power connectors IN & OUT Neutrik PowerCon

Data connectors IN & OUT XRL5
Data protocols DMX 512; RDM ready
User interface 4-digit display and 4 buttons

Manual operation: Users must operate via buttons provided on the display

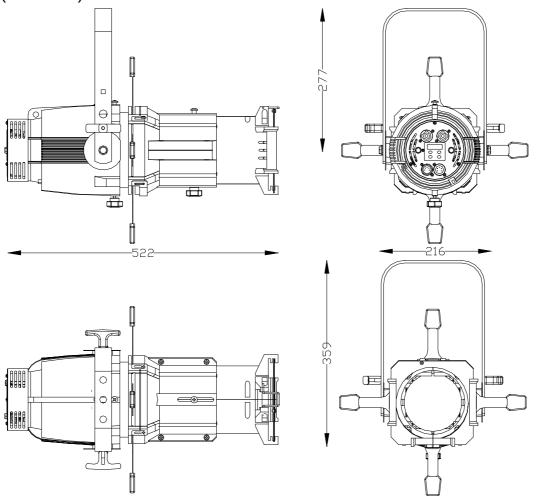
Fan control: Fan speed adjustment

Control of LED frequency: Selection of LED frequency refresh
4 Dimming curves control: Selection of four dimming curves control

accessories: Iris diaphragm; Gobo holder (size B Ø 86 mm, image Ø 66mm)

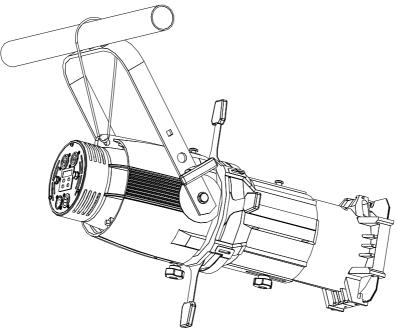
C € Compliant

Dimensions (see Picture):



Lites Profile C6 installation

Lites Profile C6 is delivered with a robust yoke that hosts 3 x 12 mm mounting holes. The use of an adequate G-clamp to sustain at least twice the weight of the Lites Profile C6 (Lites Profile C6 weighs 7,5 kg) and/or M10 screw is mandatory. The use of safety chain(s) to sustain twice the weight of the Lites Profile C6 is also mandatory; the safety chain adds more protections and safety to users and third parties. Eye-lid for the safety chain is provided on the Lites Profile C6. The unit can be installed in any position (See Fig)



Connection to mains

WARNING! Installation(s) must be accomplished, handled and carried out by qualified personnel only and must comply & meet with all norms in force in the installation's country Lites Profile C6 is supplied with a free Blue Neutrik PowerCon plug that must be wired using a 3x1.5mm² lead Additional specifications include:

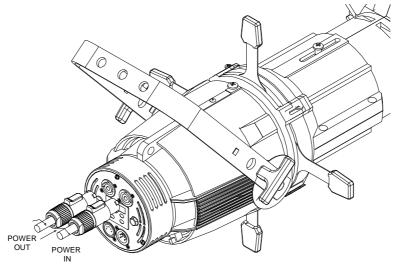
Operating Voltage: 300/500V

Test Voltage: 2KV

Operating Temperature: -10°C / +35°C (- 14° F / +90° F)

Connect blue wire to N terminal, brown wire to L terminal and Yellow/Green wire to earth terminal. Ensure to connect to safety circuit breakers at all times. When connected to 230VAC, daisy chain must not exceed the quantity of 10 units and 5 units when connected to 110VAC. Maximum daisy chain cable length: 20m.

WARNING: NEVER CONNECT LITES PROFILE C6 ENGINE TO ANGLE PHASE DIMMER PACK NOR TO NON-DIM MODE



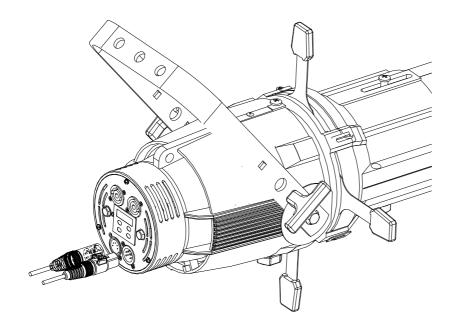
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Signal control connection

Lites Profile C6 can be operated via either DMX512A and or RDM ready Protocols. For Daisy chain DMX line use a-2 lead wire plus shield.

Important note: when DMX is available a red dot will illuminate on the right hand of the display. When red dot is off no DMX signal is available.



DMX XLR 5 Pin Assignment		
Pin	Description	
1	GND	
2	DMX-	
3	DMX+	
4	Not connected	
5	Not connected	

RDM – Remote Device Management

RDM Controller allows for remote standard operations

RDM default options include:

Discovery mode: RDM is active when controller detects this mode; the device reports the presence of the Lites Profile C6 by giving a flash of light (Controller sets the device to a listing to read: settings, DMX address, personality settings, i.e. DMX mode including all the above mentioned DMX values)

ON/OFF "Identify": This mode is to identify the manufacturer's device (Lites or L.). Flash of light is to

ON/OFF "Identify": This mode is to identify the manufacturer's device (Lites srl) -Flash of light is to confirm selection -

Model information (HPLED-BUCK)

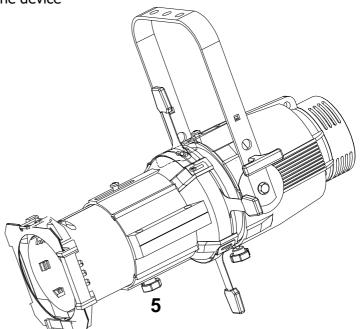
Software version information (HPLED-BUCK v.x.xx)

Mode to reveal temperatures of the LED and of the driver

Mode to reveal hour-meters of the LED and of the device

Focus

Loosen knob 5 than adjust optics to focus light projected



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Shutter blades

There are 4 shutter blades, to shape patterns

Installations of the accessories

Gel frame

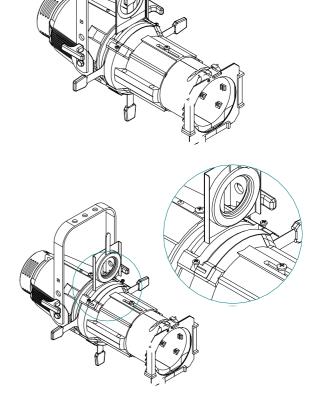
Lites Profile C6 is delivered with a standard 163x159mm colour frame. The LED source used on Lites Profile C6 allows the use of colour filters that cannot be used with high wattage tungsten lamps. Ensure that accessories when installed on the Lites Profile C6 are securely fitted in the gates and that are engaged and secured by the spring lock provided. (See figure)



Standard gobo holder (not included) can be used to house gobos 'size B' (\emptyset 86 mm, \emptyset 66 mm). Ensure gobo holder is securely engaged in its gate so to avoid injuries to third parties in case this accessory comes out of its place



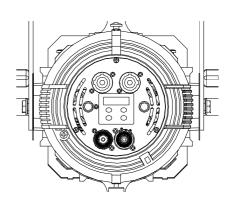
Diameter of the projected image maybe changed in sizes with the use of an iris diaphragm (not included). To set Iris into its housing loosen the two M4 screws and move the bulkhead (see fig.). Ensure that iris is secured into its gate to avoid injuries to third parties in the event it comes out of its place.



Power Lites Profile C6 ON

WARNING! Before powering Lites Profile C6 ensure that all installation(s) procedure(s) have(s) been properly set learnt and accomplished.

When Lites Profile C6 is powered the setup display will show the software release version. The UP, DOWN, ENTER and ESC buttons allow the operations of Lites Profile C6 menu. UP and DOWN buttons allow to browse through menu options, the ENTER button is to confirm selection. The ESC button is to return to the previous menu or to quit previous setting(s).



Menu items

Displayed Message	Allowed or displayed values	Function		
Addr	001512	S	et Up DMX Address	
Auto (Automatic mode)	co01 co02 co03 co04 co05 co06 co07 co08 co09 co10 co11 co12 co13 co14 co15 co16 co17 co18 co19 co20 co21 co22 co23 co24 co25 co26 co27 co28 co29 co30 co31 co32 co31 co32 co34 co35 co36 co37 co38 co39 co40	Preset 1 red Preset 2 light red Preset 3 orange Preset 4 medium amber Preset 5 amber Preset 6 straw tint Preset 7 pale yellow Preset 8 spring yellow Preset 10 lemon yellow Preset 11 lime Preset 12 lime green Preset 13 green Preset 14 moss green Preset 15 light cyan Preset 16 cyan Preset 17 peacock blue Preset 18 summer blue Preset 19 bright blue Preset 20 light steel blue Preset 21 light blue Preset 22 slate blue Preset 23 blue Preset 24 deep lavender Preset 25 lavender Preset 26 magenta Preset 27 rose pink Preset 28 dark pink Preset 29 bright pink Preset 30 Rainbow Preset 31 white 2300°k Preset 32 white 2700°k Preset 33 white 3200°k Preset 34 white 4000°k Preset 35 white 5600°k Preset 37 white 7000°k Preset 38 white 8000°k Preset 39 white 9000°k Preset 39 white 9000°k Preset 39 white 9000°k Preset 40 white 10000°k	It's possible to select 30 colored presets and 10 fixed white presets, without the aid of the DMX 512 signal. By selecting the value indicated from co01 to co40 you choose the combined color. When you turn off the projector the selected preset will be saved. In each preset you can change the output color level. Select the preset that needs to be to be changed. If you press once the Enter button, the display will show r (red) with the set value, then if you keep pressing Enter, G (green), b (blue), A (amber), c (cyan), L (lime), S (strobe), n (Rainbow), d (dimmer) will be displayed one by one. Use the Up and Down button to adjust the level of the 6 colors + the 3 functions n (raiwbow), S (strobe), d (dimmer), pressing them one by one from 0 to 255, to determine the output color. Always confirm with Enter to save the settings.	
	Pr03 Pr04	Program 3: auto Program 4: auto	Clicking on enter once more it shows P.00.0 (time) followed by F.00.0 (speed) and ultimately the last view shows 1c.01 though c40 (colour to be assigned to each scene) The use of UP/Down keys allow for setting values. When selections are completed press enter to confirm.	
MASL	Master Mode	The Master Mode uses the same settings as the Auto Menu. The onle exception is that when all fixtures are connected to DMX 001 in daisy chain, they perform the same presets and or the same presets selected on the Master fixture. The slave projectors must be set in 9ch mode.		

	12 ch (D)	RGBACL 12 ch (default)			
	2 ch	2 ch			
	16 ch	RGBACL 16 ch (16 bit)			
ModE	6 ch	RGBACL 6 ch	Dmx mode (view next page)		
	RGB	RGB 6 ch			
	HSI	Stubio HSI 6 ch			
	9ch	9 ch			
drUt	°C		perating temperature		
LEdt	°C		erating temperature		
PUM	0100%	Shows current le	d power (0-100%)		
SMoo	FAST MED SLOW	DMX data Spe	eed adjustment		
		qUAd2	ScUr LinE		
GAMM	qUAd SCUr qUAd2 LInE	DELTO LEGISLA DELTO LEGISLA DEL CONTROL DE LEGISLA DEL CONTROL DEL C	191 0 H91 0 H91 0 DMX OUTPUT 255 0 DMX OUTPUT 255		
		Dimming c	urves available		
FrEq	1K 2K 3K 4K 5K 6K 7K 8K 9K 10K	LED operation frequence			
haas	Off	When OFF, LED max flux: 90%			
booS	on		D max flux: 100%		
FAn	Aut MEDH MEDL LOW	4 fan operating modes i.e atuomatic, medium fast, medium slow, slow speed. Fan speed adjujstments (fan-sound) reflect on self-correct output LED brightness and other factors as room-temperature, number of engaged channels			
	AA	Display orie	ntation selection:		
PoS	VV	AA = normal			
StbY	Off on	VV = inverted Standby display activity: off = display always switched on = display switched off after few seconds of buttons inactivity (only the right side dot will be lighted to indicate DMX availability)			
dEF	SUrE	ON Will restore the default factory values			
SoFt		Shows Software version			

DMX Operating Modes (Mode)

Selecting 1 of the 7 available modes it enables the number of channels required, and its relevant modes, needed to operate LITES PROFILE C6

mode 12 ch RGBACL (default)

mode 12	ch RGBACL (default)		
Ch	Function		Dmx levels
1	red	0255	From 0 to max 255
2	green	0255	From 0 to max 255
3	blue	0255	From 0 to max 255
4	amber	0255	From 0 to max 255
5	cyan	0255	From 0 to max 255
6	lime	0255	From 0 to max 255
		015	Strobo disingaged
7	strobe	16255	Strobo from slow (16) to fast (255)
		015	Rainbow disingaged
8	Rainbow	16255	Rainbow from slow (16) to fast (255)
9	dimmer	0255	From 0 to max 255
9	uiminei		
		015	Deserted whites
		1617	2300°k cri 93
		1838	from 2300°k to 2700°k
		3940	2700°k cri 97
		4161	from 2700°k to 3200°k
		6263	3200°k cri 98
		6484	from 3200°k to 4000°k
		8586	4000°k cri 95
10		87107	
(priority on	White selection		from 4000°k to 5600°k
channel 11)		108109	5600°k cri 98
		110130	from 5600°k to 6500°k
		131132	6500°k cri 95
		133153	from 6500°k to 7000°k
		154155	7000°k cri 93
		156176	from 7000°k to 8000°k
		177178	8000°k cri 96
		179199	from 8000°k to 9000°k
		200201	9000°k cri 93
		202222	from 9000°k to 10000°k
		223225	10000°k cri 95
	3200°k halogen lamp operation	226255	halogen lamp dimming simulation
		015	No color
		1623	red
		2431	light red
		3239	orange
		4047	medium amber
		4855	amber
		5663	straw tint
		6471	pale yellow
		7279	spring yellow
		8087	yellow
		8895	lemon yellow
		96103	lime
	Color color#:	104111	lime green
	Color selection	112119	green
11		120127	moss green
		128135	light cyan
		136143	cyan
		144152	peacock blue
		153159	summer blue
		160167	bright blue
		168175	light steel blue
		176183	light blue
		184191	slate blue
		192199	blue
		200207	deep lavender
		208215	lavender
		216223	magenta
		224231	rose pink
		232239	dark pink
	 	240247	bright pink
		248255	FULL RGBACL
		025	Auto speed or set from menu
12	Fan speed	26255	Fan speed from slow to fast
	i un specu	2011233	1 an specu nom slow to last

mode 2 ch

015 No color 1620 red 2125 light red 2630 orange	
2125 light red	
2630 orange	
3135 medium amber	
3640 amber	
4145 straw tint	
4650 pale yellow	
5155 spring yellow	
5660 yellow	
6165 lemon yellow	
6670 lime	
7175 lime green	
7680 green	
9195 cyan	
96100 peacock blue	
1 Color selection 101105 summer blue	
106110 bright blue	
111115 light steel blue	
116120 light blue	
121125 slate blue	
126130 blue	
131135 deep lavender	
136140 lavender	
141145 magenta	
146150 rose pink	
151155 dark pink	
156160 bright pink	
161165 Full RGBACL	
166170 white 2300°k	
171175 white 2700°k	
176180 white 3200°k	
181185 white 4000°k	
White selection 186190 white 5600°k	
191195 white 6500°k	
196200 white 7000°k	
201205 white 8000°k	
201203 White 6000 k 206210 white 9000°k	
200210 Write 9000 k 211215 white 10000°k	
Rainbow from slow (191) to fast(229)	
Rainbow 216225 Sequence rainbow R-G-B-A-C-L	
2200 0 k halagan lawa	
operation 226255 halogen lamp dimming simulation	
2 dimmer 0255 From 0 to max 255	

mode 16 ch RGBACL 16 bit

Ch	Function	dmx levels	
1	red	0255	From 0 to max 255
2	Red fine	0255	Red fine tune adjustment
3	green	0255	From 0 to max 255
4	Green fine	0255	Green fine tune adjustment
5	blue	0255	From 0 to max 255
6	Blue fine	0255	Blue fine tune adjustment
7	amber	0255	From 0 to max 255
8	amber fine	0255	amber fine tune adjustment
9	cyan	0255	From 0 to max 255
10	cyan fine	0255	cyan fine tune adjustment
11	lime	0255	From 0 to max 255
12	lime fine	0255	lime fine tune adjustment
		015	Strobe disingaged
13	strobe	16255	Strobo from slow (16) to fast (255)
14	dimmer	0255	From 0 to max 255
15	Dimmer fine	0255	Adjustment of global fine light intensity
16	Fan speed	025	Auto speed or set from menu
10	r arr speed	26255	Fan speed from slow to fast

mode 6. ch RGBACL

Ch	Function		dmx levels
1	red	0255	From 0 to max 255
2	green	0255	From 0 to max 255
3	blue	0255	From 0 to max 255
4	amber	0255	From 0 to max 255
5	cyan	0255	From 0 to max 255
6	lime	0255	From 0 to max 255

mode 6.RGB 6 ch

1	Red	0255	From 0 to max 255
2	Green	0255	From 0 to max 255
3	Blue	0255	From 0 to max 255
4	Dimmer	0255	From 0 to max 255
-	ctrobo	015	Strobe disingaged
5	strobe	16255	Strobo from slow (16) to fast (255)
		024	Auto speed or set from menu
6	Fan speed	25255	Fan speed from slow to fast

mode 9 ch

Ch	Function		dmx levels
1	red	0255	From 0 to max 255
2	green	0255	From 0 to max 255
3	blue	0255	From 0 to max 255
4	amber	0255	From 0 to max 255
5	cyan	0255	From 0 to max 255
6	lime	0255	From 0 to max 255
7	7 strobe	015	Strobo disingaged
/	Strobe	16255	Strobo from slow (16) to fast (255)
0	Rainbow	015	Rainbow disingaged
8		16255	Rainbow from slow (16) to fast (255)
9	dimmer	0255	From 0 to max 255

mode 6.HSI STUDIO 6 ch

1	Hue	0255	Hue selection, following levels 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
2	Saturation	0255	Color saturation with set color in the Hue channel
3	Dimmer	0255	From 0 to max 255
4	strobo	015	Strobe disingaged
4	30000	16255	Strobo from slow (16) to fast (255)
		015	Whites off
		1618	2300°k cri 93
		1941	from 2300°k to 2700°k
		4244	2700°k cri 97
		4567	from 2700°k to 3200°k
		6870	3200°k cri 98
		7193	from 3200°k to 4000°k
5 Selection (priority on channel 1) whites		9496	4000°k cri 95
	C 1 1:	97119	from 4000°k to 5600°k
		120122	5600°k cri 98
	wnites	123145	from 5600°k to 6500°k
		146148	6500°k cri 95
		149171	from 6500°k to 7000°k
		172174	7000°k cri 93
		175197	from 7000°k to 8000°k
		198200	8000°k cri 96
		201223	from 8000°k to 9000°k
		224226	9000°k cri 93
		227249	from 9000°k to 10000°k
		250255	10000°k cri 95
_		024	Auto speed or set from menu
6 Fan sp	Fan speed	25255	Fan speed from slow to fast

Error messages

In case of malfunction, the following messages can be shown:

Led sensor error: the sensor on the led is faulty.

Overtemperature LED: the temperature on the LED exceeds the allowed limit, check if the fan is working.

Micro overtemperature: the temperature on the driver board exceeds the allowed limits, check if the fan is working.

Micro sensor error: the sensor on the driver board is faulty.

If these malfunctions occur, the LED turns off.

Avoid using the LITES PROFILE C6 and promptly contact any authorized service centre.

Periodical maintenance

To ensure the correct LITES PROFILE C6 operation, we suggest the following periodical maintenance operations: Remove dust or any kind of other dirt from the fans and loop-holes, this operation ensures the correct air flow Remove dust from lenses using a clean cloth. This will ensure the maximum light efficiency Replace damaged protection screen and lenses when necessary.

Do not touch nor clean the LEDs nor the sourranded area with solvent Device disposal information

At the end of its life, LITES PROFILE C6 must be disposed to an appropriate electrical and electronic equipment waste collection centre. Eco-friendly disposal, helps to avoid possible negative impact on the environment and human health and promotes the reuse and/or recycling of the materials making up the product. Illegal disposal involves administrative sanctions provided by laws enacted.



Note

Manufacture declines any sort of personal/corporate responsibility/liability for damages caused by people that are not scrupulously following indications given in this manual as for the inadequacy or for misuse of the product they do, as well as if the product has been handled by unqualified personnel. Not complying with security norms/periodical maintenance and all information contained and as expressed in the owner's/service manual will also totally free personal/corporate responsibility/liability. Text, wordings, drawings, specifications, modifications and other changes of this manual may apply anytime without notice. The specifications are not binding.

Lites Profile C6 color 06/12/2020 rev.00