

CineLight Color 240®

DMX channels (base +16 - base +19):

CHANNEL	VALUE	FUNCTION	DESCRIPTION	NAME
Base + 16	0 - 127	Gel Selector	Source:DAYLIGHT	Source
			Source:TUNGSTEN	Source
Base + 17	0	Effects Selector	Effect 1	Emergency
	15		Effect 2	Police light
	30		Effect 3	Fire
	45		Effect 4	Fireworks
	60		Effect 5	Strobe
	75		Effect 6	TV/Monitor
	90		Effect 7	Flash camara
	105		Effect 8	RESERVED
	120		Effect 9	RESERVED
	135		Effect 10	RESERVED
	150		Effect 11	RESERVED
	165		Effect 12	RESERVED
Base + 18		Effects Selector	Parameter 1 Effects	
Base + 19		Effects Selector	Parameter 2 Effects	

Warnings

The CineLight Color 240® equipment is a professional lighting system. Read these instructions, as well as the accessory instructions and applicable warnings, before operating.

Do not leave the fixture unattended.

For fixed (stationary) use in studios, theaters, and similar locations.

Not for household use.

Use only for photographic lighting (television, video & film).

- Always unplug the unit before changing the fuse.
- Do not use near standing water.
- Never bypass the plug's ground pin.
- Do not interfere with the unit's ventilation.
- Do not operate the unit with Accessory Barndoors closed.
- Make sure the clamp is tightened at the yoke.
- Always use Safety Cable when attaching to overhead pipes or grids.
- Always use with supplied AC Cable.

LED Warnings

- Avoid looking directly at the LED for extended periods.

General Recommendations

1. Do not operate this product if it is damaged.
2. Avoid contact with water or other liquids to protect yourself from an electrical discharge.
3. The UNIT HAS TO BE POWERED OFF before you connect it to the electrical grid; also, when striking the UNIT, turn it off before disconnecting it from the power grid.
4. In case of failure or malfunction, to avoid electrical discharge, DO NOT disassemble this UNIT. Improper reassembly or disassembly of this unit may cause a malfunction. Call your FLUOTEC® AUTHORIZED SERVICE CENTER.
5. Using accessories not designed or recommended by FLUOTEC® can cause hazardous conditions or damage the fixture.

Cleaning

CHASIS.

Use a moist, almost dry cloth to remove dust and any stain. NEVER USE ANY ABRASIVE FIBER PAD, AND NEVER USE SOLVENTS. They can damage the fixture or its finish.

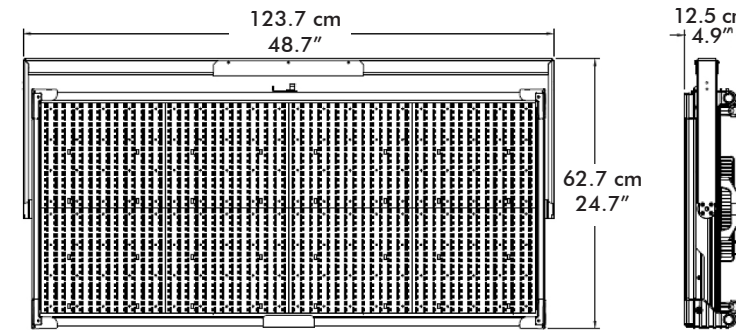
Problems, repairs & info

Repairs, problems, suggestions, and requests for brochures/catalogs, instructions, and parts lists can be handled through your Authorized FLUOTEC® Dealer or directly through FLUOTEC®. Electrical repairs should be made only by FLUOTEC® or by a qualified electrician.

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CineLight Color 240® - Operation Manual

Specs & Performance



Code:	Operation:	CCT:	CRI:	Weight:
G6CRGB240 / Yoke	AC-POWERCON	2500K- 10000K	≥95	19.4 kg (42.76 lb)

Fuses & Power Consumption

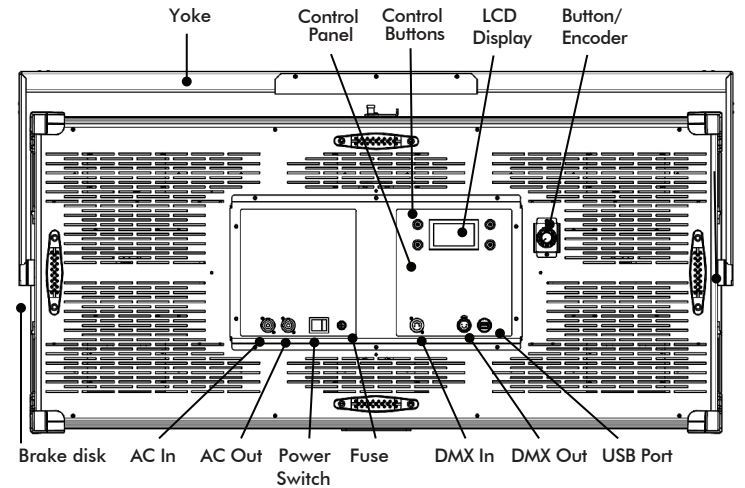
CineLight Color 240® auto-set from 90-240 VAC.

Note: Most electrical equipment briefly consumes a higher amount of electrical current during startup (ignition).

Consult the chart below to confirm that your electrical wiring is sufficient for the fixtures used.

ELECTRICAL MEASUREMENTS	
Voltage [VAC]	90-240
Power [W]	332
Current [A]	2.74 A @ 120 VAC / 1.37 A @ 240 VAC
Fuse	5 A @ 250 VAC

Parts of the CineLight Color 240®



Each fixture comes with:



Manual & DMX Operation

The CineLight Color 240® can be controlled either manually on the fixture or remotely via a console with DMX-512 protocol.

To operate the Control Panel, first familiarize yourself with the placement and functions of the controls.

Mounting the Fixture

On Grid:

Attach the clamp tightly to the yoke of the fixture, according to the clamp manufacturer's instructions.

Hang clamp on pipe or grid and tighten the large screw so that the clamp and fixture are securely mounted. Do not loosen the bolt attaching the clamp to the fixture to position the light. Attach a safety cable between the fixture and the rail for necessary security.

On Stand:

Choose the proper size stand for the fixture. Using the Stand Mount Spigot 5/8" (included). Always use sufficient stabilizing weight on the stand base. Allows mounting the fixture on a 5/8" male stand stud. Ensure the stand is large enough to support the fixture's weight while maintaining good balance at the desired height.

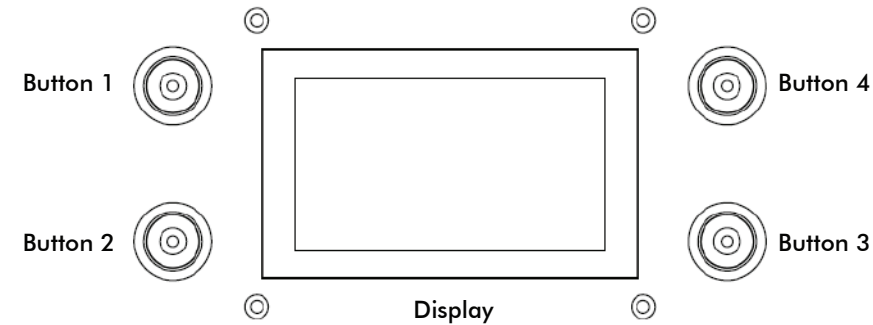
Attach the female stand-fitting tightly to the yoke and rotate the yoke, so it is on the underside of the fixture. Tighten the yoke, clamp the locking lever, and place female stand-fitting over the stand, ensuring that its locking screw is loosened enough to completely allow the fitting to fit over the 5/8" stand stud. Tighten the knob, ensuring its screw is under the safety cut of the stand fitting stud. Add additional weight to the base of the stand for increased stability.



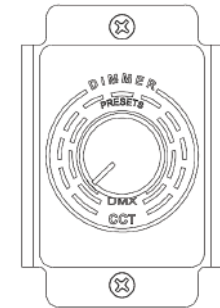
CineLight Color 240®

Software and Control Panel

Display and control buttons



Button / Encoder



The control panel has an LCD display, Four (4) selection/control buttons and a button/encoder to be able to select the different modes and/or functions of the unit.

Access to software features

Pure white Menu (White):

In the main menu, we select the "WHITE" option utilizing button 1; now, the different functions are displayed: CCT, +/- GREEN, High Speed, Extended White.

Each function is selectable using the button/encoder and pressing button 4 or by pressing the button/encoder.

Each selected option will highlight the parameter that the button/encoder can modify.

If you want to modify another parameter, you must press buttons 1 and or 2 (UP and DOWN on the display)

MENU	FUNTION	VALUE	DESCRIPTION
WHITE	CCT	2700K-6200K	CCT change from 2700K to 6200K in steps of 6K or 7K
		0%-100%	Intensity control from 0% to 100% in 1% steps
		MI-M8	Selection of CCT memories from M1 to M8
	+/- GREEN	2900K,3200K,4400K, 5600K,6500K	CCT selection in 2900K, 3200K, 4400K, 5600K and 6500K
		0%-100%	Intensity control from 0% to 100% in 1% steps
		FULL G,3/4 G, 1/2 G, 1/4 G,0, 1/4 G-,1/2 G-,3/4 G-, FULL G-	Green is added or subtracted in 1/4 steps to the selected CCT
	High Speed	2700K, 6200K	Selection of CCT for HIGH SPEED in 2700K or 6200K
		0%,100%	In High Speed mode you only have 100% or 0% intensity
	Extended White	2300K-10000K	CCT selection expanding the range from 2300K to 10000K, in the range 2300K to 2700K in steps of 100K, from 2700K to 6200K in steps of 100K and from 6500K to 10000K in steps of 500K
		0%-100%	Intensity control from 0% to 100% in 1% steps

CineLight Color 240®

DMX channels (base +15):

CHANNEL	VALUE	FUNCTION	DESCRIPTION	NAME
	0	3	Gel 1	08 Pale Gold
	4	7	Gel 2	18 Flame
	8	11	Gel 3	21 Golden Amber
	12	15	Gel 4	26 Light Red
	16	19	Gel 5	37 Pale Rose Pink
	20	23	Gel 6	41 Salmon
	24	27	Gel 7	47 Light Rose Purple
	28	31	Gel 8	77 Green Blue
	32	35	Gel 9	87 Yellow Green
	36	39	Gel 10	88 Light Green
	40	43	Gel 11	89 Moss Green
	44	47	Gel 12	91 Green
	48	51	Gel 13	92 Turquoise
	52	55	Gel 14	93 Blue Green
	56	59	Gel 15	315 Cyan CC 15
	60	63	Gel 16	325 Henna
	64	67	Gel 17	364 Blue Bell
	68	71	Gel 18	375 Cerulean Blue
	72	75	Gel 19	3202 Blue CTB
	76	79	Gel 20	3203 Blue CTB 3/4
	80	83	Gel 21	3204 Blue CTB 1/2
	84	87	Gel 22	3206 Blue CTB 1/3
	88	91	Gel 23	3208 Blue CTB 1/4
	92	95	Gel 24	3218 Blue CTB+
	96	99	Gel 25	3309 Minusgreen 3/4
	100	103	Gel 26	3310 Tungsten
	104	107	Gel 27	3314 Minusgreen 1/4
	108	111	Gel 28	3318 Minusgreen 1/8
	112	115	Gel 29	3408 Orange CTO 1/2
	116	119	Gel 30	3411 Orange CTO 3/4
	120	123	Gel 31	3420 Orange CTO 2
Base + 15	124	127	Gel 32	3441 Straw CTS
	128	131	Gel 33	3442 Straw CTS 1/2
	132	135	Gel 34	3443 Straw CTS 1/4
	136	139	Gel 35	3444 Straw CTS 1/8
	140	143	Gel 36	4215 Blue CC 15
	144	147	Gel 37	4230 Blue CC 30
	148	151	Gel 38	4260 Blue CC 60
	152	155	Gel 39	4330 Cyan CC 30
	156	159	Gel 40	4360 Cyan CC 60
	160	163	Gel 41	4390 Cyan CC 90
	164	167	Gel 42	4415 Green CC 15
	168	171	Gel 43	4430 Green CC 30
	172	175	Gel 44	4460 Green CC 60
	176	179	Gel 45	4490 Green CC 90
	180	183	Gel 46	4515 Yellow CC 15
	184	187	Gel 47	4560 Yellow CC 60
	188	191	Gel 48	4590 Yellow CC 90
	192	195	Gel 49	4615 Red CC 15
	196	199	Gel 50	4630 Red CC 30
	200	203	Gel 51	4660 Red CC 60
	204	207	Gel 52	4690 Red CC 90
	208	211	Gel 53	4730 Magenta CC 30
	212	215	Gel 54	4760 Magenta 60
	216	219	Gel 55	4790 Magenta 90
	220	223	Gel 56	4815 Pink CC 15
	224	227	Gel 57	4830 Pink CC 30
	228	231	Gel 58	4860 Pink CC 60
	232	235	Gel 59	4890 Pink CC 90
	236	239	Gel 60	4915 Lavander 15
	240	243	Gel 61	4930 Lavander 30
	244	247	Gel 62	4960 Lavander 60

CineLight Color 240®

Continuation

MENU	FUNCTION	VALUE	DESCRIPTION	
COLOR	GEL	3218	Blue CTB+	
		3309	Minusgreen 3/4	
		3310	Tungsten	
		3314	Minusgreen 1/4	
		3318	Minusgreen 1/8	
		3408	Orange CTO 1/2	
		3411	Orange CTO 3/4	
		3420	Orange CTO 2	
		3441	Straw CTS	
		3442	Straw CTS 1/2	
		3443	Straw CTS 1/4	
		3444	Straw CTS 1/8	
		4215	Blue CC 15	By selecting the desired filter it is possible to use the TUNGSTEN (A) OR DAYLIGHT (D65) illuminant and control its intensity from 0% to 100%
		4230	Blue CC 30	
		4260	Blue CC 60	
		4330	Cyan CC 30	
		4360	Cyan CC 60	
		4390	Cyan CC 90	
		4415	Green CC 15	
		4430	Green CC 30	
		4460	Green CC 60	
		4490	Green CC 90	
		4515	Yellow CC 15	
		4560	Yellow CC 60	
		4590	Yellow CC 90	
		4615	Red CC 15	
		4630	Red CC 30	
		4660	Red CC 60	
		4690	Red CC 90	
		4730	Magenta 30	
		4760	magenta 60	
		4790	magenta 90	
		4815	Pink CC 15	
4830	Pink 30			
4860	Pink 60			
4890	Pink 90			
4915	Lavander 15			
4930	Lavander 30			

CineLight Color 240®

Effects Menu:

In the main menu, select the EFFECTS option using button 4; this way, a list of the present functions will be displayed. Scroll between the options using buttons 1 and 2, and pressing button 4 or the Encoder-button, select the desired option. The selected parameter will be highlighted, and we can vary it with the button/encoder. If we wish to change another parameter, we select it with buttons 1 and 2 (UP, DOWN on the display).

MENU	FUNCTION	VALUE	DESCRIPTION
EFFECTS	EMERGENCY	DIM	Intensity control from 1% to 100%
		RED_OUT	RED color emergency light effect
		GREEN_OUT	GREEN color emergency light effect
		BLUE_OUT	BLUE color emergency light effect
		WWHITE_OUT	WARM WHITE color emergency light effect
		CWHITE_OUT	COOL WHITE color emergency light effect
		WW_BLU_OUT	WARM WHITE + BLUE color emergency light effect
		RD_BLU_OUT	RED + BLUE color emergency light effect
		DELAY	Signal period from 100ms to 900ms
		POLICE LIGHT	DIM
	RD_BLU_OUT		RED and BLUE colors Police light effect
	GREE_CW_OUT		GREEN and COOL WHITE colors Police light effect
	RD_GRE_OUT		RED and GREEN colors Police light effect
	WW_BLU_OUT		WARM WHITE and BLUE colors Police light effect
	GREE_BLU_OUT		GREEN and BLUE GREEN and COOL WHITE colors Police light effect
	FIRE	DIM	Intensity control from 1% to 100%
		DELAY	Signal period from 1ms to 300ms
	FIREWORKS	DIM	Intensity control from 1% to 100%
		RED_OUT	RED color fireworks effect
		GREEN_OUT	GREEN color fireworks effect
		BLUE_OUT	BLUE color fireworks effect
		WWHITE_OUT	WARM WHITE color fireworks effect
		CWHITE_OUT	COOL WHITE RED color fireworks effect
		WW_BLU_OUT	WARM WHITE + BLUE color fireworks effect
		RD_BLU_OUT	RED + BLUE color fireworks effect
		DELAY	Signal period from 1ms to 300ms
	STROBE	DIM	Intensity control from 1% to 100%
		DELAY	Signal period from 1ms to 100ms
		RED_OUT	RED color strobe effect
		GREEN_OUT	GREEN color strobe effect
		BLUE_OUT	BLUE color strobe effect
		WWHITE_OUT	WARM WHITE color strobe effect
		CWHITE_OUT	COOL WHITE color strobe effect
		WW_BLU_OUT	WARM WHITE + BLUE color strobe effect
	TV/MONITOR	DIM	Intensity control from 1% to 100%
		DELAY	Signal period from 100ms to 300ms
	FLASH CAMERA	DIM	Intensity control from 1% to 100%
		RED_OUT	RED color camera flash effect
		GREEN_OUT	GREEN color camera flash effect
		BLUE_OUT	BLUE color camera flash effect
		WWHITE_OUT	WARM WHITE color camera flash effect
		CWHITE_OUT	COOL WHITE color camera flash effect
		WW_BLU_OUT	WARM WHITE + BLUE color camera flash effect
		RD_BLU_OUT	RED + BLUE color camera flash effect
	DELAY	Signal period from 60ms to 200ms	

CineLight Color 240®

Settings Menu:

In the main menu, select the "SETTINGS" option using button 3; this way, a list of the present functions will be displayed.

Using buttons 1 and 2, scroll between the options and select the desired option by pressing button 4 or the button/encoder.

MENU	FUNCTION	VALUE	DESCRIPTION
SETTINGS	DMX	1-493	Select the DMX channel from 1 to 493 (20 channels per unit)
	RGB SET	PASSWORD	RGB color configuration (password required) DOWN->RETURN->DOWN->RETURN->OK
			MxR=1700
			MxG=507
			MxB=3628
	MxW=4000		
FIRMWARE VERSION	DDMMMAA	Indicates the firmware revision date of the unit (for example: 10NOV22)	

DMX control

The Cinelight COLOR line units can be remotely controlled via DMX. For this, a total of 20 DMX channels are used as shown in the following chart:

DMX channels (base - base+14)

CHANNEL	VALUE	FUNCTION	DESCRIPTION	NAME
Base	0-255	GENERAL DIMMER		DIM
Base + 1	0	MODE SELECTOR	MODE CCT	CCT
	28		MODE RGBWC	RGB
	56		MODE HSI	HSI
	84		MODE CIE xy	CIE XY
	112		MODE GEL	GEL
	140		MODE EFFECTS	EFFECTS
	168		MODE PLUS GREEN	PLUS GREEN
	196		MODE EXTENDED CCT	EXTENDED CCT
224	MODE HIGH SPEED	HIGH SPEED		
Base + 2	0-255	CCT Channels	CCT SELECTOR 2700-6200	CCT
	0-255		2900/3200/4400/5500/ 6500	CCT PLUS GREEN
	0-255		2300 -10000 K	EXTENDED CCT
	0-255		2700/6200 K	HIGH SPEED CCT
Base + 3	0-255	PLUS GREEN	-FULL - 0 FULL	PLUS GREEN
Base + 4	0-255	RGB & Full RGB Channels	DIM RED	RED
Base + 5	0-255		DIM GREEN	GREEN
Base + 6	0-255		DIM BLUE	BLUE
Base + 7	0-255		DIM WARM	WARM
Base + 8	0-255	DIM COOL	COOL	
Base + 9	0-255	HSI Channels	HUE	HUE
Base + 10	0-255		SATURATION	SAT
Base + 11	0-255	CIE XY Channels	CIE x low	xL
Base + 12	0-255		CIE x high	xH
Base + 13	0-255		CIE y low	yL
Base + 14	0-255		CIE y high	yH

CineLight Color 240®

Color Menu:

In the main menu, select the "COLOR" option using button 2; this way, a list of the present functions will be displayed.

Using buttons 1 and 2, scroll between the options and select the desired option by pressing button 4 or the button/encoder.

Once again, the current parameter will be highlighted, and we can vary it by turning the knob/encoder.

If we wish to change another parameter, we select it with buttons 1 and 2 (UP, DOWN on the display).

MENU	FUNCTION	VALUE	DESCRIPTION	
COLOR	RGBWW	RED	RED color intensity control from 0% to 100%	
		GREEN	GREEN color intensity control from 0% to 100%	
		BLUE	BLUE color intensity control from 0% to 100%	
		WW	WARM WHITE intensity control from 0% to 100%	
		CW	COOL WHITE intensity control from 0% to 100%	
		DIMMER	Intensity control of all colors from 0% up to 100%	
		M1-M8	Selection of RGBWW memories from M1 to M8	
		HSI	HUE HUE	Selection in HSI space from 0° to 359°
	SAT		SATURATION Selection of in the HSI space from 0% to 100%	
	INT		INTENSITY selection in HSI space from 0% to 100%	
	LOOP		Generates a continuous cycle of HUE from 0° to 359°	
	RED		RED color selection in the HSI space	
	YELL		YELLOW color selection in the HSI space	
	GREE		GREEN color selection in the HSI space	
	CYAN		CYAN color selection in the HSI space	
	XY	BLUE	BLUE color selection in the HSI space	
		MAGE	MAGENTA color selection in the HSI space	
		X	Control of the value in x in the CIE xy space from 0 to 0.8	
		Y	Control of the value in y in the CIE xy space from 0 to 0.8	
	GEL	DIM	Intensity control from 0% to 100% in steps of 1%	
		M1-M8	xy mode memory selection from M1 to M8	
		8	Pale Gold	By selecting the desired filter it is possible to use the TUNGSTEN (A) or DAYLIGHT (D65) illuminant and control its intensity from 0% to 100%.
		18	Flame	
		21	Golden Amber	
		26	Light Red	
		37	Pale Rose Pink	
		41	Salmon	
		47	Light Rose Purple	
		77	Green Blue	
		87	Yellow Green	
		88	Light Green	
		89	Moss Green	
91		Green		
92		Turquoise		
93		Blue Green		
315	Cyan CC 15			
325	Henna			
364	Blue Bell			
375	Cerulean Blue			
3202	Blue CTB			
3203	Blue CTB 3/4			
3204	Blue CTB 1/2			
3206	Blue CTB 1/3			
3208	Blue CTB 1/4			