

NANLITE

Alien 150C/300C

DMX CHARTS

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Revision History

Version	Date (Y-M-D)	Note
V1.0	2024-08-13	First Release

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CCT & RGBW 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	CCT	2700K → 12000K	0% → 100%	0 → 255	0	Fade	
3	G/M	Neutral	0% → 3%	0 → 9	0	Fade & Step	G/M=Duv*10 ⁴
		-150	4% → 7%	10 → 20			
		-149 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +149	57% → 95%	146 → 244			
		+150	96% → 100%	245 → 255			
4	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → RGBW
5	Red	0 → 255	0% → 100%	0 → 255	0	Fade	
6	Green	0 → 255	0% → 100%	0 → 255	0	Fade	
7	Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
8	White	0 → 255	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
9	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
10	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
11/12	Reserved	/	/	/	/	/	

CCT & RGBW 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0.0% → 100.0%	0% → 100%	0 → 65535	0	Fade	
3/4	CCT	2700K → 12000K	0% → 100%	0 → 65535	0	Fade	
5/6	G/M	Neutral	0% → 7%	0 → 5000	0	Fade & Step	G/M=Duv*10 ⁴
		-150	8% → 14%	5001 → 10000			
		-149 → -1	15% → 45%	10001 → 30000			
		Neutral	46% → 60%	30001 → 40000			
		+1 → +149	61% → 91%	40001 → 60000			
		+150	92% → 100%	60001 → 65535			
7	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → RGBW
8/9	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
10/11	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
12/13	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
14/15	White	0 → 65535	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
16	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
17	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	1-10Hz
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
18-21	Reserved	/	/	/	/	/	

CCT & HSI 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	CCT	2700K → 12000K	0% → 100%	0 → 255	0	Fade	
3	G/M	Neutral	0% → 3%	0 → 9	0	Fade & Step	G/M=Duv*10 ⁴
		-150	4% → 7%	10 → 20			
		-149 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +149	57% → 95%	146 → 244			
		+150	96% → 100%	245 → 255			
4	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → HSI
5	Hue	0 → 360	0% → 100%	0 → 255	0	Fade	
6	Saturation	0 → 100	0% → 100%	0 → 255	0	Fade	

When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.

7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	1-10Hz
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9/10	Reserved	/	/	/	/	/	

CCT & HSI 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0.0% → 100.0%	0% → 100%	0 → 65535	0	Fade	
3/4	CCT	2700K → 12000K	0% → 100%	0 → 65535	0	Fade	
5/6	G/M	Neutral	0% → 7%	0 → 5000	0	Fade & Step	G/M=Duv*10 ⁴
		-150	8% → 14%	5001 → 10000			
		-149 → -1	15% → 45%	10001 → 30000			
		Neutral	46% → 60%	30001 → 40000			
		+1 → +149	61% → 91%	40001 → 60000			
		+150	92% → 100%	60001 → 65535			
7	Crossfade	0 → 255	0% → 100%	0 → 255	0	Fade	CCT → HSI
8/9	Hue	0 → 360	0% → 100%	0 → 65535	0	Fade	
10/11	Saturation	0 → 100	0% → 100%	0 → 65535	0	Fade	

When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.

12	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
13	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	1-10Hz
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
14-17	Reserved	/	/	/	/	/	

CCT 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	CCT	2700K → 12000K	0% → 100%	0 → 255	0	Fade	
3	G/M	Neutral	0% → 3%	0 → 9	0	Fade & Step	G/M=Duv*10 ⁴
		-150	4% → 7%	10 → 20			
		-149 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +149	57% → 95%	146 → 244			
		+150	96% → 100%	245 → 255			
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	1-10Hz
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

CCT 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0.0% → 100.0%	0% → 100%	0 → 65535	0	Fade	
3/4	CCT	2700K → 12000K	0% → 100%	0 → 65535	0	Fade	
5/6	G/M	Neutral	0% → 7%	0 → 5000	0	Fade & Step	G/M=Duv*10 ⁴
		-150	8% → 14%	5001 → 10000			
		-149 → -1	15% → 45%	10001 → 30000			
		Neutral	46% → 60%	30001 → 40000			
		+1 → +149	61% → 91%	40001 → 60000			
		+150	92% → 100%	60001 → 65535			
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

HSI 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Hue	0 → 360	0% → 100%	0 → 255	0	Fade	
3	Saturation	0 → 100	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

HSI 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0.0% → 100.0%	0% → 100%	0 → 65535	0	Fade	
3/4	Hue	0 → 360	0% → 100%	0 → 65535	0	Fade	
5/6	Saturation	0 → 100	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

RGBW 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Red	0 → 255	0% → 100%	0 → 255	0	Fade	
3	Green	0 → 255	0% → 100%	0 → 255	0	Fade	
4	Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
5	White	0 → 255	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
6	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
7	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
8/9	Reserved	/	/	/	/	/	

RGBW 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0.0% → 100.0%	0% → 100%	0 → 65535	0	Fade	
3/4	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
5/6	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
7/8	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
9/10	White	0 → 65535	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
11	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
12	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
13-16	Reserved	/	/	/	/	/	

XY Coordinates 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	X Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
3	Y Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

XY Coordinates 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0.0% → 100.0%	0% → 100%	0 → 65535	0	Fade	
3/4	X Coordinate	0.0000 → 0.8000	0% → 100%	0 → 65535	0	Fade	
5/6	Y Coordinate	0.0000 → 0.8000	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

RGB(No Dimmer) 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Red	0 → 255	0% → 100%	0 → 255	0	Fade	
2	Green	0 → 255	0% → 100%	0 → 255	0	Fade	
3	Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
4	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
5	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
6/7	Reserved	/	/	/	/	/	

RGB(No Dimmer) 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Red	0 → 65535	0% → 100%	0 → 65535	0	Fade	
3/4	Green	0 → 65535	0% → 100%	0 → 65535	0	Fade	
5/6	Blue	0 → 65535	0% → 100%	0 → 65535	0	Fade	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
7	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
8	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			1-10Hz
		Random Medium	2.0%	5			0.5-1Hz
		Random Slow	2.4%	6			0.333-0.5Hz
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
9-12	Reserved	/	/	/	/	/	

Gel 8bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Base CCT	3200K	0% → 49%	0 → 127	0	Step	
		5600K	50% → 100%	128 → 255			
3	Brand	Lee	0% → 38%	0 → 99	0	Step	
		Rosco	39% → 77%	100 → 199			
		Reserved	78% → 100%	200 → 255			
4	Gel	See Gel Chart	0% → 100%	0 → 255	0	Step	
When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.							
5	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
6	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	1-10Hz 0.5-1Hz 0.333-0.5Hz
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
7/8	Reserved	/	/	/	/	/	

Gel 16bit

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1/2	Dimmer	0.0% → 100.0%	0% → 100%	0 → 65535	0	Fade	
3	Base CCT	3200K	0% → 49%	0 → 127	0	Step	
		5600K	50% → 100%	128 → 255			
4	Brand	Lee	0% → 38%	0 → 99	0	Step	
		Rosco	39% → 77%	100 → 199			
		Reserved	78% → 100%	200 → 255			
5	Gel	See Gel Chart	0% → 100%	0 → 255	0	Step	

When "DMX Reduce Channels" is set to "ON", the following channels will be reduced.

6	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			
7	Strobe	Off	0% → 1.2%	0 → 3	0	Fade & Step	
		Random Fast	1.6%	4			
		Random Medium	2.0%	5			
		Random Slow	2.4%	6			
		Variable Strobe (0.4Hz → 25Hz)	2.7% → 100%	7 → 255			
8-11	Reserved	/	/	/	/	/	

Gel Chart - Lee

DMX Value	Gel Number	Gel Name
0	/	Clear
1	L200	Double CTB
2	L201	Full CTB
3	L281	3/4 CTB
4	L202	1/2 CTB
5	L203	1/4 CTB
6	L218	1/8 CTB
7	L287	Double CTO
8	L204	Full CTO
9	L285	3/4 CTO
10	L205	1/2 CTO
11	L206	1/4 CTO
12	L223	1/8 CTO
13	L283	1 1/2 CTB
14	L286	1 1/2 CTO
15	L441	Full CTS
16	L442	1/2 CTS
17	L443	1/4 CTS
18	L444	1/8 CTS
19	L244	Lee Plus Green
20	L247	Lee Minus Green
21	L207	Full CTO + .3 ND
22	L208	Full CTO + .6 ND
23	L212	L.C.T. Yellow (Y1)
24	L213	White Flame Green
25	L230	Super Correction L.C.T. Yellow
26	L232	Super Correction W.F. Green

DMX Value	Gel Number	Gel Name
27	L236	H.M.I. (to Tungsten)
28	L237	C.I.D. (to Tungsten)
29	L238	C.S.I. (to Tungsten)
30	L241	Lee Fluorescent 5700 Kelvin
31	L242	Lee Fluorescent 4300 Kelvin
32	L243	Lee Fluorescent 3600 Kelvin
33	L245	1/2 Plus Green
34	L246	1/4 Plus Green
35	L278	1/8 Plus Green
36	L248	1/2 Minus Green
37	L249	1/4 Minus Green
38	L279	1/8 Minus Green
39	L322	Soft Green
40	L323	Jade
41	L327	Forest Green
42	L328	Follies Pink
43	L332	Special Rose Pink
44	L343	S.M.Lavender
45	L345	Fuchsia Pink
46	L352	Glacier Blue
47	L353	Lighter Blue
48	L354	Special Steel Blue
49	L363	Special Medium Blue
50	L366	Cornflower
51	L002	Rose Pink
52	L003	Lavender Tint
53	L004	M.B.Amber

DMX Value	Gel Number	Gel Name
54	L007	Pale Yellow
55	L008	Dark Salmon
56	L009	Pale Amber Gold
57	L010	Medium Yellow
58	L013	Straw Tint
59	L015	Deep Straw
60	L017	Surprise Peach
61	L019	Fire
62	L020	Medium Amber
63	L021	Gold Amber
64	L022	Dark Amber
65	L024	Scarlet
66	L025	Sunset Red
67	L026	Bright Red
68	L027	Medium Red
69	L029	Plasa Red
70	L035	Light Pink
71	L036	Medium Pink
72	L046	Dark Magenta
73	L048	Rose Purple
74	L049	Medium Purple
75	L052	Light Lavender
76	L053	Paler Lavender
77	L058	Lavender
78	L061	Mist Blue
79	L063	Pale Blue
80	L068	Sky Blue
81	L071	Tokyo Blue
82	L075	Evening Blue

DMX Value	Gel Number	Gel Name
83	L079	Just Blue
84	L085	Deeper Blue
85	L088	Lime Green
86	L089	Moss Green
87	L090	Dark Yellow Green
88	L100	Spring Yellow
89	L101	Yellow
90	L102	Light Amber
91	L103	Straw
92	L104	Deep Amber
93	L105	Orange
94	L106	Primary Red
95	L107	Light Rose
96	L108	English Rose
97	L109	Light Salmon
98	L110	Middle Rose
99	L111	Dark Pink
100	L113	Magenta
101	L115	Peacock Blue
102	L116	Medium Blue-Green
103	L117	Steel Blue
104	L118	Light Blue
105	L119	Dark Blue
106	L120	Deep Blue
107	L121	Lee Green
108	L122	Fern Green
109	L124	Dark Green
110	L126	Mauve
111	L127	Smokey Pink

DMX Value	Gel Number	Gel Name
112	L128	Bright Pink
113	L131	Marine Blue
114	L132	Medium Blue
115	L134	Golden Amber
116	L135	Deep Golden Amber
117	L136	Pale Lavender
118	L137	S.Lavender
119	L138	Pale Green
120	L139	Primary Green
121	L140	Summer Blue
122	L141	Bright Blue
123	L142	Pale Violet
124	L143	Pale Navy Blue
125	L144	No Color Blue
126	L147	Apricot
127	L148	Bright Rose
128	L151	Gold Tint
129	L152	Pale Gold
130	L153	Pale Salmon
131	L154	Pale Rose
132	L156	Chocolate
133	L157	Pink
134	L158	Deep Orange
135	L159	No Color Straw
136	L161	Slate Blue
137	L162	Bastard Amber
138	L164	Flame Red
139	L165	Daylight Blue
140	L169	Lilac Tint

DMX Value	Gel Number	Gel Name
141	L170	Deep Lavender
142	L172	Lagoon Blue
143	L174	Dark Steel Blue
144	L176	Loving Amber
145	L179	Chrome Orange
146	L180	Dark Lavender
147	L181	Congo Blue
148	L182	Light Red
149	L183	Moonlight Blue
150	L192	Flesh Pink
151	L194	Surprise Pink
152	L195	Zenith Blue
153	L196	True Blue
154	L197	Alice Blue
155	L198	Palace Blue
156	L199	Regal Blue
157	L512	Amber Delight
158	L600	Arctic White
159	L601	Silver
160	L602	Platinum
161	L603	Moonlight White
162	L604	Full CT 85
163	L642	1/2 Mustard Yellow
164	L643	1/4 Mustard Yellow
165	L650	Industry Sodium
166	L651	HI Sodium
167	L652	Urban Sodium
168	L653	Lo Sodium
169	L184	Cosmetic Peach

DMX Value	Gel Number	Gel Name
170	L186	Cosmetic Silver Rose
171	L187	Cosmetic Rouge
172	L188	Cosmetic Highlight
173	L189	Cosmetic Silver Moss
174	L191	Cosmetic Aqua Blue
175	L705	Lily Frost
176	L717	Shanklin Frost
177	L718	Half Shanklin Frost
178	L720	Durham Daylight Frost
179	L749	Hampshire Rose
180	L750	Durham Frost
181	L774	Soft Amber Key 1
182	L775	Soft Amber Key 2
183	L791	Moroccan Frost
184	L217	Blue Diffusion
185	L219	Lee Fluorescent Green
186	L221	Blue Frost
187	L224	Daylight Blue Frost
188	L700	Perfect Lavender
189	L701	Provence
190	L702	Special Pale Lavender
191	L703	Cold Lavender
192	L704	Lily
193	L706	King Fals Lavender
194	L708	Cool Lavender
195	L709	Electric Lilac
196	L710	Spir Special Blue
197	L711	Cold Blue
198	L712	Bedford Blue

DMX Value	Gel Number	Gel Name
199	L714	Elysian Blue
200	L715	Cabana Blue
201	L716	Mikkel Blue
202	L719	Colour Wash Blue
203	L721	Berry Blue
204	L723	Virgin Blue
205	L724	Ocean Blue
206	L725	Old Steel Blue
207	L728	Steel Green
208	L730	Liberty Green
209	L731	Dirty Ice
210	L733	Damp Squib
211	L738	JAS Green
212	L742	Bram Brown
213	L741	Mustard Yellow
214	L744	Dirty White
215	L746	Brown
216	L747	Easy White
217	L748	Seedy Pink
218	L763	Wheat
219	L764	Sun Colour Straw
220	L765	Lee Yellow
221	L773	Cardbox Amber
222	L776	Nectarine
223	L778	Millenium Gold
224	L779	Bastard Pink
225	L781	Terry Red
226	L789	Blood Red
227	L790	Moroccan Pink

DMX Value	Gel Number	Gel Name
228	L794	Pretty 'n Pink
229	L795	Magical Magenta

DMX Value	Gel Number	Gel Name
230	L797	Deep Purple

Gel Chart - Rosco

DMX Value	Gel Number	Gel Name
0	/	Clear
1	R3202	Full CTB
2	R3203	3/4 CTB
3	R3204	1/2 CTB
4	R3206	1/3 CTB
5	R3208	1/4 CTB
6	R3216	1/8 CTB
7	R3220	Double CTB
8	R3407	Full CTO
9	R3411	3/4 CTO
10	R3408	1/2 CTO
11	R3409	1/4 CTO
12	R3410	1/8 CTO
13	R3420	Double CTO
14	R3441	Full CTS
15	R3442	1/2 CTS
16	R3443	1/4 CTS
17	R3444	1/8 CTS
18	R3304	Full Plusgreen
19	R3315	1/2 Plusgreen
20	R3316	1/4 Plusgreen
21	R3317	1/8 Plusgreen
22	R3308	Full Minusgreen
23	R3309	3/4 Minusgreen
24	R3313	1/2 Minusgreen
25	R3314	1/4 Minusgreen
26	R3318	1/8 Minusgreen

DMX Value	Gel Number	Gel Name
27	R3310	Fluorofilter
28	R3150	Industrial Vapor
29	R3152	Urban Vapor
30	R3107	Tough Y1
31	R3134	Tough MT54
32	R3106	Tough MTY
33	R3102	Tough MT2
34	R4215	15 Blue
35	R4230	30 Blue
36	R4260	60 Blue
37	R4290	90 Blue
38	R4307	7 Cyan
39	R4315	15 Cyan
40	R4330	30 Cyan
41	R4360	60 Cyan
42	R4390	90 Cyan
43	R4415	15 Green
44	R4430	30 Green
45	R4460	60 Green
46	R4490	90 Green
47	R4515	15 Yellow
48	R4530	30 Yellow
49	R4560	60 Yellow
50	R4590	90 Yellow
51	R4615	15 Red
52	R4630	30 Red
53	R4660	60 Red

DMX Value	Gel Number	Gel Name
54	R4690	90 Red
55	R4715	15 Magenta
56	R4730	30 Magenta
57	R4760	60 Magenta
58	R4790	90 Magenta
59	R4815	15 Pink
60	R4830	30 Pink
61	R4860	60 Pink
62	R4890	90 Pink
63	R4915	15 Lavender
64	R4930	30 Lavender
65	R4960	60 Lavender
66	R4990	90 Lavender
67	R2001	VS Red
68	R2002	VS Orange
69	R2003	VS Yellow
70	R2004	VS Green
71	R2005	VS Cyan
72	R2006	VS Azure
73	R2007	VS Blue
74	R2008	VS Indigo
75	R2009	VS Violet
76	R2010	VS Magenta
77	R1	Light Bastard Amber
78	R2	Bastard Amber
79	R302	Pale Bastard Amber
80	R3	Dark Bastard Amber
81	R303	Warm Peach
82	R4	Medium Bastard Amber

DMX Value	Gel Number	Gel Name
83	R304	Pale Apricot
84	R5	Rose Tint
85	R305	Rose Gold
86	R6	No Color Straw
87	R7	Pale Yellow
88	R8	Pale Gold
89	R9	Pale Amber Gold
90	R10	Medium Yellow
91	R310	Daffodil
92	R11	Light Straw
93	R12	Straw
94	R312	Canary
95	R13	Straw Tint
96	R313	Light Relief Yellow
97	R14	Medium Straw
98	R15	Deep Straw
99	R16	Light Amber
100	R316	Gallo Gold
101	R17	Light Flame
102	R317	Apricot
103	R18	Flame
104	R318	Mayan Sun
105	R19	Fire
106	R20	Medium Amber
107	R21	Golden Amber
108	R321	Soft Golden Amber
109	R22	Deep Amber
110	R23	Orange
111	R325	Henna Sky

DMX Value	Gel Number	Gel Name
112	R24	Scarlet
113	R324	Gypsy Red
114	R25	Orange Red
115	R26	Light Red
116	R27	Medium Red
117	R30	Light Salmon Pink
118	R31	Salmon Pink
119	R331	Shell Pink
120	R32	Medium Salmon Pink
121	R332	Cherry Rose
122	R33	No Color Pink
123	R333	Blush Pink
124	R34	Flesh Pink
125	R35	Light Pink
126	R36	Medium Pink
127	R336	Billington Pink
128	R37	Pale Rose Pink
129	R337	True Pink
130	R38	Light Rose
131	R39	Skelton Exotic Sangria
132	R339	Broadway Pink
133	R40	Light Salmon
134	R41	Salmon
135	R42	Deep Salmon
136	R342	Rose Pink
137	R43	Deep Pink
138	R343	Neon Pink
139	R44	Middle Rose
140	R344	Follies Pink

DMX Value	Gel Number	Gel Name
141	R45	Rose
142	R46	Magenta
143	R346	Tropical Magenta
144	R47	Light Rose Purple
145	R347	Belladonna Rose
146	R48	Rose Purple
147	R348	Purple Jazz
148	R49	Medium Purple
149	R349	Fisher Fuchsia
150	R50	Mauve
151	R51	Surprise Pink
152	R351	Lavender Mist
153	R52	Light Lavender
154	R53	Pale Lavender
155	R353	Lilly Lavender
156	R54	Special Lavender
157	R55	Lilac
158	R355	Pale Violet
159	R56	Gypsy Lavender
160	R356	Middle Lavender
161	R57	Lavender
162	R357	Royal Lavender
163	R58	Deep Lavender
164	R358	Rose Indigo
165	R59	Indigo
166	R359	Medium Violet
167	R60	No Color Blue
168	R360	Clearwater
169	R61	Mist Blue

DMX Value	Gel Number	Gel Name
170	R361	Hemsley Blue
171	R62	Booster Blue
172	R362	Tipton Blue
173	R63	Pale Blue
174	R363	Aquamarine
175	R64	Light Steel Blue
176	R364	Blue Bell
177	R65	Daylight Blue
178	R365	Tharon Delft Blue
179	R66	Cool Blue
180	R366	Jordan Blue
181	R67	Light Sky Blue
182	R367	Slate Blue
183	R68	Parry Sky Blue
184	R368	Winkler Blue
185	R69	Brilliant Blue
186	R369	Tahitian Blue
187	R70	Nile Blue
188	R370	Italian Blue
189	R71	Sea Blue
190	R72	Azure Blue
191	R73	Peacock Blue
192	R74	Night Blue
193	R374	Sea Green
194	R75	Twilight Blue
195	R375	Cerulean Blue
196	R76	Light Green Blue
197	R376	Bermuda Blue
198	R77	Green Blue

DMX Value	Gel Number	Gel Name
199	R377	Iris Purple
200	R78	Trudy Blue
201	R378	Alice Blue
202	R79	Bright Blue
203	R80	Primary Blue
204	R81	Urban Blue
205	R381	Baldassari Blue
206	R82	Surprise Blue
207	R382	Congo Blue
208	R83	Medium Blue
209	R383	Sapphire Blue
210	R84	Zephyr Blue
211	R384	Midnight Blue
212	R85	Deep Blue
213	R385	Royal Blue
214	R86	Pea Green
215	R386	Leaf Green
216	R87	Pale Yellow Green
217	R88	Light Green
218	R388	Gaslight Green
219	R89	Moss Green
220	R389	Chroma Green
221	R91	Primary Green
222	R392	Pacific Green
223	R92	Turquoise
224	R93	Blue Green
225	R393	Emerald Green
226	R395	Teal Green
227	R96	Lime

DMX Value	Gel Number	Gel Name
228	R397	Pale Grey
229	R398	Neutral Grey

DMX Value	Gel Number	Gel Name
230	R99	Chocolate

Ultimate DMX 8bit - CCT Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 0 → 31
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		XY Coordinates	38% → 49%	96 → 127			
		Gel Mode	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 CCT	2700K → 12000K	0% → 100%	0 → 255	0	Fade	
4	Param. #2 G/M	Neutral	0% → 3%	0 → 9	0	Fade & Step	
		-150	4% → 7%	10 → 20			
		-149 → -1	8% → 46%	21 → 119			
		Neutral	47% → 56%	120 → 145			
		+1 → +149	57% → 95%	146 → 244			
		+150	96% → 100%	245 → 255			
5-14	Param. #3-12 N/A	/	/	/	/	/	
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			

Ultimate DMX 8bit - HSI Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 32 → 63
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		XY Coordinates	38% → 49%	96 → 127			
		Gel Mode	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 Hue	0 → 360	0% → 100%	0 → 255	0	Fade	
4	Param. #2 Saturation	0 → 100	0% → 100%	0 → 255	0	Fade	
5-14	Param. #3-12 N/A	/	/	/	/	/	
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			

Ultimate DMX 8bit - RGBW Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 64 → 95
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		XY Coordinates	38% → 49%	96 → 127			
		Gel Mode	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 Red	0 → 255	0% → 100%	0 → 255	0	Fade	
4	Param. #2 Green	0 → 255	0% → 100%	0 → 255	0	Fade	
5	Param. #3 Blue	0 → 255	0% → 100%	0 → 255	0	Fade	
6	Param. #4 White	0 → 255	0% → 100%	0 → 255	0	Fade	
7-14	Param. #5-12 N/A	/	/	/	/	/	
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			

Ultimate DMX 8bit - XY Coordinates

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0.0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 96 → 127
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		XY Coordinates	38% → 49%	96 → 127			
		Gel Mode	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 X Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
4	Param. #2 Y Coordinate	0.0000 → 0.8000	0% → 100%	0 → 255	0	Fade	
5-14	Param. #3-12 N/A	0 → 255	/	/	/	/	
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			

Ultimate DMX 8bit - Gel Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 128 → 159
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		XY Coordinates	38% → 49%	96 → 127			
		Gel Mode	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 Base CCT	3200K	0% → 49%	0 → 127	0	Step	
		5600K	50% → 100%	128 → 255			
4	Param. #2 Brand	Lee	0% → 38%	0 → 99	0	Step	
		Rosco	39% → 77%	100 → 199			
		Reserved	78% → 100%	200 → 255			
5	Param. #3 Gel	See Gel Chart	0% → 100%	0 → 255	0	Step	
6-14	Param. #4-12 N/A	/	/	/	/	/	
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			

Ultimate DMX 8bit - Effect Mode

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
1	Dimmer	0% → 100.0%	0% → 100%	0 → 255	0	Fade	
2	Mode	CCT Mode	0% → 12%	0 → 31	0	Step	Select DMX Value 160 → 191
		HSI Mode	13% → 24%	32 → 63			
		RGBW Mode	25% → 37%	64 → 95			
		XY Coordinates	38% → 49%	96 → 127			
		Gel Mode	50% → 62%	128 → 159			
		Effect Mode	63% → 74%	160 → 191			
		Reserved	75% → 100%	192 → 255			
3	Param. #1 Effect	Hue Loop	0% → 4%	0 → 12	0	Step	
		CCT Loop	5% → 9%	13 → 25			
		Int Loop	10% → 14%	26 → 38			
		Flash	15% → 19%	39 → 51			
		Pulse	20% → 24%	52 → 64			
		Storm	25% → 30%	65 → 77			
		Police Car	31% → 35%	78 → 90			
		TV	36% → 40%	91 → 103			
		Paparazzi	41% → 45%	104 → 116			
		Candle/Fire	46% → 50%	117 → 129			
		Disco	51% → 55%	130 → 142			
		Bad Bulb	56% → 60%	143 → 155			
		Firework	61% → 65%	156 → 168			
		Explosion	66% → 70%	169 → 181			
		Welding	71% → 75%	182 → 194			
		Reserved	76% → 100%	195 → 255			
4	Param. #2	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
5	Param. #3	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
6	Param. #4	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart

Channel	Attribute	Function	% Value	DMX Value	DMX Default	Control Type	Notes
7	Param. #5	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
8	Param. #6	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
9	Param. #7	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
10	Param. #8	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
11	Param. #9	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
12	Param. #10	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
13	Param. #11	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
14	Param. #12	0 → 255	0% → 100%	0 → 255	0	/	See DMX Effect Chart
15	Fan	Smart	0% → 24%	0 → 63	0	Step	
		Full Speed	25% → 49%	64 → 127			
		Low Speed	50% → 74%	128 → 191			
		Off	75% → 100%	192 → 255			

DMX Effect Charts

HUE Loop (0 ≤ CH3 Value ≤ 12)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Hue1	0 → 360	0% → 100%	0 → 255
CH5/Param. #3	Hue2	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	Saturation	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Speed	2s → 30s	0% → 100%	0 → 255
CH8/Param. #6	Cycle	One Way	0% → 32%	0 → 84
		Two Way	33% → 66%	85 → 170
		Reverse	67% → 100%	171 → 255
CH9/Param. #7	Add-on	Off	0% → 24%	0 → 63
		Flash	25% → 49%	64 → 127
		Random Flash	50% → 74%	128 → 191
		Pulse	75% → 100%	192 → 255
CH10/Param. #8	N/A(Off)	/	/	/
	Intervals(Flash)	0.1s → 10.0s	0% → 100%	0 → 255
	Speed(Random Flash)	1 → 100	0% → 100%	0 → 255
	Pulses/Min(Pulse)	1 → 240	0% → 100%	0 → 255
CH11/Param. #9	N/A(Off)	/	/	/
	Ratio(Flash)	0% → 100%	0% → 100%	0 → 255
	N/A(Random Flash)	/	/	/
	N/A(Pulse)	/	/	/
CH12-14/Param. #10-12	N/A	/	/	/

CCT Loop (13 ≤ CH3 Value ≤ 25)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	CCT1	2700K → 12000K	0% → 100%	0 → 255
CH5/Param. #3	CCT2	2700K → 12000K	0% → 100%	0 → 255
CH6/Param. #4	G/M	-150 → +150	0% → 100%	0 → 255
CH7/Param. #5	Speed	2s → 30s	0% → 100%	0 → 255
CH8/Param. #6	Cycle	One Way	0% → 32%	0 → 84
		Two Way	33% → 66%	85 → 170
		Reverse	67% → 100%	171 → 255
CH9/Param. #7	Add-on	Off	0% → 24%	0 → 63
		Flash	25% → 49%	64 → 127
		Random Flash	50% → 74%	128 → 191
		Pulse	75% → 100%	192 → 255
CH10/Param. #8	N/A(Off)	/	/	/
	Intervals(Flash)	0.1s → 10.0s	0% → 100%	0 → 255
	Speed(Random Flash)	1 → 100	0% → 100%	0 → 255
	Pulses/Min(Pulse)	1 → 240	0% → 100%	0 → 255
CH11/Param. #9	N/A(Off)	/	/	/
	Ratio(Flash)	0% → 100%	0% → 100%	0 → 255
	N/A(Random Flash)	/	/	/
	N/A(Pulse)	/	/	/
CH12-14/Param. #10-12	N/A	/	/	/

Int Loop (26 ≤ CH3 Value ≤ 38)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100.0%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	Speed	2s → 30s	0% → 100%	0 → 255
CH9/Param. #7	Cycle	One Way	0% → 32%	0 → 84
		Two Way	33% → 66%	85 → 170
		Reverse	67% → 100%	171 → 255
CH10/Param. #8	Add-on	Off	0% → 24%	0 → 63
		Flash	25% → 49%	64 → 127
		Random Flash	50% → 74%	128 → 191
		Pulse	75% → 100%	192 → 255
CH11/Param. #9	N/A(Off)	/	/	/
	Intervals(Flash)	0.1s → 10.0s	0% → 100%	0 → 255
	Speed(Random Flash)	1 → 100	0% → 100%	0 → 255
	Pulses/Min(Pulse)	1 → 240	0% → 100%	0 → 255
CH12/Param. #10	N/A(Off)	/	/	/
	Ratio(Flash)	0% → 100%	0% → 100%	0 → 255
	N/A(Random Flash)	/	/	/
	N/A(Pulse)	/	/	/
CH13-14/Param. #11-12	N/A	/	/	/

Flash (39 ≤ CH3 Value ≤ 51)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Intervals	0.1s → 10.0s	0% → 100%	0 → 255
CH8/Param. #6	Flash Ratio	0% → 100%	0% → 100%	0 → 255
CH9/Param. #7	Pause	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH10-14/Param. #8-12	N/A	/	/	/

Pulse (52 ≤ CH3 Value ≤ 64)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Pulses/Min	1 → 240	0% → 100%	0 → 255
CH8/Param. #6	N/A	/	/	/
CH9-14/Param. #7-12	N/A	/	/	/

Storm (65 ≤ CH3 Value ≤ 77)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	CCT	2700K → 12000K	0% → 100%	0 → 255
CH5/Param. #3	Flash Times High	1 → 10	0% → 100%	0 → 255
CH6/Param. #4	Flash Times Low	1 → 10	0% → 100%	0 → 255
CH7/Param. #5	Trigger	Auto	0% → 49%	0 → 127
		Manual	50% → 100%	128 → 255
CH8/Param. #6	Interval High(Auto)	1s → 60s	0% → 100%	0 → 255
	Trigger(Manual)	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH9/Param. #7	Interval Low(Auto)	1s → 60s	0% → 100%	0 → 255
	N/A(Manual)	/	/	/
CH10/Param. #8	Pause(Auto)	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
	N/A(Manual)	/	/	/
CH11-14/Param. #9-12	N/A	/	/	/

Police Car (78 ≤ CH3 Value ≤ 90)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	Blue	0% → 24%	0 → 63
		Red & Blue	25% → 49%	64 → 127
		Blue & White	50% → 74%	128 → 191
		Red & Blue & White	75% → 100%	192 → 255
CH5/Param. #3	Mode	Single	0% → 24%	0 → 63
		Double	25% → 49%	64 → 127
		Triple	50% → 74%	128 → 191
		Quad	75% → 100%	192 → 255
CH6/Param. #4	Speed	1 → 100	0% → 100%	0 → 255
CH7-8/Param. #5-6	N/A	/	/	/
CH9-14/Param. #7-12	N/A	/	/	/

TV (91 ≤ CH3 Value ≤ 103)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100.0%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	CCT Shift(CCT Mode)	0K → 3000K	0% → 100%	0 → 255
	Hue Shift(HSI Mode)	0 → 180	0% → 100%	0 → 255
CH9/Param. #7	Speed	1 → 100	0% → 100%	0 → 255
CH10-14/Param. #8-12	N/A	/	/	/

Paparazzi (104 ≤ CH3 Value ≤ 116)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	CCT	2700K → 12000K	0% → 100%	0 → 255
CH5/Param. #3	G/M	-150 → +150	0% → 100%	0 → 255
CH6/Param. #4	Speed	1 → 100	0% → 100%	0 → 255
CH7-8/Param. #5-6	N/A	/	/	/
CH9-14/Param. #7-12	N/A	/	/	/

Candle/Fire (117 ≤ CH3 Value ≤ 129)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100.0%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	CCT Shift(CCT Mode)	0K → 3000K	0% → 100%	0 → 255
	Hue Shift(HSI Mode)	0 → 180	0% → 100%	0 → 255
CH9/Param. #7	Speed	1 → 100	0% → 100%	0 → 255
CH10/Param. #8	Flicker	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH11-14/Param. #9-12	N/A	/	/	/

Disco (130 ≤ CH3 Value ≤ 142)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	Default	0% → 49%	0 → 127
		Manual	50% → 100%	128 → 255
CH5/Param. #3	Amount(Default)	3	0% → 12%	0 → 31
		6	13% → 24%	32 → 63
		9	25% → 37%	64 → 95
		12	38% → 49%	96 → 127
		15	50% → 62%	128 → 159
		18	63% → 74%	160 → 191
		21	75% → 87%	192 → 223
		24	88% → 100%	224 → 255
	Amount(Manual)	1	0% → 16%	0 → 42
		2	17% → 32%	43 → 84
		3	33% → 49%	85 → 127
		4	50% → 66%	128 → 170
		5	67% → 83%	171 → 212
		6	84% → 100%	213 → 255
CH6/Param. #4	Speed	1 → 100	0% → 100%	0 → 255
CH7/Param. #5	Saturation	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	N/A(Default)	/	/	/
	C1 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH9/Param. #7	N/A(Default)	/	/	/
	C2 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH10/Param. #8	N/A(Default)	/	/	/
	C3 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH11/Param. #9	N/A(Default)	/	/	/
	C4 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH12/Param. #10	N/A(Default)	/	/	/
	C5 Hue(Manual)	0 → 360	0% → 100%	0 → 255

Channel	Attribute	Function	% Value	DMX Value
CH13/Param. #11	N/A(Default)	/	/	/
	C6 Hue(Manual)	0 → 360	0% → 100%	0 → 255
CH14/Param. #12	N/A	/	/	/

Bad Bulb (143 ≤ CH3 Value ≤ 155)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Intensity	1 → 100	0% → 100%	0 → 255
CH8/Param. #6	Speed	1 → 100	0% → 100%	0 → 255
CH9-14/Param. #7-12	N/A	/	/	/

Firework (156 ≤ CH3 Value ≤ 168)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	Default	0% → 32%	0 → 84
		Manual	33% → 66%	85 → 170
		CCT Mode	67% → 100%	171 → 255
CH5/Param. #3	Amount(Default)	3	0% → 12%	0 → 31
		6	13% → 24%	32 → 63
		9	25% → 37%	64 → 95
		12	38% → 49%	96 → 127
		15	50% → 62%	128 → 159
		18	63% → 74%	160 → 191
		21	75% → 87%	192 → 223
		24	88% → 100%	224 → 255
	Amount(Manual)	1	0% → 16%	0 → 42
		2	17% → 32%	43 → 84
		3	33% → 49%	85 → 127
		4	50% → 66%	128 → 170
		5	67% → 83%	171 → 212
		6	84% → 100%	213 → 255
		CCT(CCT Mode)	2700K → 12000K	0% → 100%
CH6/Param. #4	Saturation (Default/Manual)	0 → 100	0% → 100%	0 → 255
	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
CH7/Param. #5	Speed	1 → 100	0% → 100%	0 → 255
CH8/Param. #6	Decay	1 → 100	0% → 100%	0 → 255
CH9/Param. #7	N/A(Default)	/	/	/
	C1 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	CCT Shift(CCT Mode)	0K → 3000K	0% → 100%	0 → 255

Channel	Attribute	Function	% Value	DMX Value
CH10/Param. #8	N/A(Default)	/	/	/
	C2 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH11/Param. #9	N/A(Default)	/	/	/
	C3 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH12/Param. #10	N/A(Default)	/	/	/
	C4 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH13/Param. #11	N/A(Default)	/	/	/
	C5 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/
CH14/Param. #12	N/A(Default)	/	/	/
	C6 Hue(Manual)	0 → 360	0% → 100%	0 → 255
	N/A(CCT Mode)	/	/	/

Explosion (169 ≤ CH3 Value ≤ 181)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH5/Param. #3	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH6/Param. #4	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH7/Param. #5	Decay	1 → 100	0% → 100%	0 → 255
CH8/Param. #6	Trigger	Auto	0% → 49%	0 → 127
		Manual	50% → 100%	128 → 255
CH9/Param. #7	Speed(Auto)	1 → 100	0% → 100%	0 → 255
	Trigger(Manual)	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH10-14/Param. #8-12	N/A	/	/	/

Welding (182 ≤ CH3 Value ≤ 194)

Channel	Attribute	Function	% Value	DMX Value
CH4/Param. #2	Dim Low	0% → 100.0%	0% → 100%	0 → 255
CH5/Param. #3	Color	CCT Mode	0% → 49%	0 → 127
		HSI Mode	50% → 100%	128 → 255
CH6/Param. #4	CCT(CCT Mode)	2700K → 12000K	0% → 100%	0 → 255
	Hue(HSI Mode)	0 → 360	0% → 100%	0 → 255
CH7/Param. #5	G/M(CCT Mode)	-150 → +150	0% → 100%	0 → 255
	Saturation(HSI Mode)	0 → 100	0% → 100%	0 → 255
CH8/Param. #6	Speed	1 → 100	0% → 100%	0 → 255
CH9/Param. #7	Pause	Off	0% → 49%	0 → 127
		On	50% → 100%	128 → 255
CH10-14/Param. #8-12	N/A	/	/	/