

# DMX CHANNEL FUNCTIONS AND VALUES

## ELATION KL FRESNEL 8 FC

### DMX Channel Functions and Values (1/7/12/19/10/15 DMX Channels)

Supports Software Versions:  $\geq$  V1.0.2

Features subject to change without notice

Dimmer	Dimmer Color	Standard	Extended	CMY	CMY Extended	Value	Function	Default	Snap
1	1	1	1	1	1		<b>Dimmer:</b>	0	
						0-255	Intensity 0 to 100%		
	2	2	2	2	2		<b>Dimmer Fine:</b>	0	
						0-255	Dimmer fine		
	3	3	3	3	3		<b>Shutter, strobe:</b>	50	X
						0-31	Shutter closed		
						32-63	No function (shutter open)		
						64-95	Strobe effect slow to fast		
						96-127	No function (shutter open)		
						128-159	Pulse-effect in sequences		
						160-191	No function (shutter open)		
						192-223	Random strobe effect slow to fast		
224-255	No function (shutter open)								
				4	4		<b>Cyan:</b>	0	
						0-255	Cyan (0-100% Cyan)		
					5		<b>Cyan Fine:</b>	0	
						0-255	Cyan Fine		
				5	6		<b>Magenta:</b>	0	
						0-255	Magenta (0-100% Magenta)		
					7		<b>Magenta Fine:</b>	0	
						0-255	Magenta Fine		
				6	8		<b>Yellow:</b>	0	
						0-255	Yellow (0-100% Yellow)		
					9		<b>Yellow Fine:</b>	0	
						0-255	Yellow Fine		
		4	4				<b>Red:</b>	255	
						0-255	Red (0-100% Red)		
			5				<b>Red Fine:</b>	255	
						0-255	Red Fine		
		5	6				<b>Green:</b>	255	
						0-255	Green (0-100% Green)		
			7				<b>Green Fine:</b>	255	
						0-255	Green Fine		
		6	8				<b>Blue:</b>	255	
						0-255	Blue (0-100% Blue)		
			9				<b>Blue Fine:</b>	255	
						0-255	Blue Fine		
		7	10				<b>Mint:</b>	255	
						0-255	Mint (0-100% Mint)		
			11				<b>Mint Fine:</b>	255	
						0-255	Mint Fine		
		8	12				<b>Amber:</b>	255	
						0-255	Amber(0-100% Amber)		
			13				<b>Amber Fine:</b>	255	
						0-255	Amber Fine		

**Supports Software Versions: ≥ V1.0.2**

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Dimmer	Dimmer Color	Standard	Extended	CMY	CMY Extended	Value	Function	Default	Snap
4	9	14	7	10		<b>CTO:</b>		0	
					0-23	Open			
					24-85	CTO 2400K - 8500K (see separate sheet)			
						86-255	8500K		
5	10	15	8	11		<b>Color Wheel:</b>		0	
					0	Open			
					1-179	Virtual Swatch Book (see separate sheet)			
						<b>Color Scroll</b>			
					180-201	Clockwise,fast→slow			
					202-207	Stop			
					208-229	Counter-clockwise,slow→ fast			
					230-234	Open			
						<b>Random Slots</b>			
					235-239	Fast			
					240-244	Medium			
245-249	Slow								
250 - 255	Open								
6	11	17	9	13		<b>Green Shift:</b>		0	
					0	Idle			
					1-127	Full Minus Green to Neutral			
					128	Neutral White			
						129-255	Neutral to Full Plus Green		
6	11	17	9	13		<b>Zoom:</b>		127	
					0 - 255	Zoom adjustment from small to big			
						<b>Dim Modes</b>		0	X
					0-20	Standard			
					21-40	Stage			
					41-60	TV			
					61-80	Architectural			
					81-100	Theatre			
					101- 120	Stage 2			
						<b>Dimmer Delay Time</b>			
					121	0s			
					122	0.1s			
					123	0.2s			
					124	0.3s			
					125	0.4s			
					126	0.5s			
					127	0.6s			
					128	0.7s			
					129	0.8s			
					130	0.9s			
					131	1.0s			
					132	1.5s			
					133	2.0s			
					134	3.0s			
					135	4.0s			
					136	5.0s			
137	6.0s								
138	7.0s								
139	8.0s								
140	9.0s								
141	10s								
142 - 255	Idle								

**Supports Software Versions: ≥ V1.0.2**

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Dimmer	Dimmer Color	Standard	Extended	CMY	CMY Extended	Value	Function	Default	Snap
							<b>Control:</b>		
						0-29	Idle		
						30-39	Fan Mode Auto		
						40-49	Fan Mode Silent		
						50-59	Fan Mode High		
						80-99	Idle		
						<b>100-168</b>	<b>Refresh Rate (Hz)</b>		
						100	900		
						101	910		
						102	920		
						103	930		
						104	940		
						105	950		
						106	960		
						107	970		
						108	980		
						109	990		
						110	1000		
						111	1010		
						112	1020		
						113	1030	0	X
						114	1040		
						115	1050		
						116	1060		
						117	1070		
						118	1080		
						119	1090		
						120	1100		
						121	1110		
						122	1120		
						123	1130		
						124	1140		
						125	1150		
						126	1160		
						127	1170		
						128	1180		
						129	1190		
						130	1200		
						131	1210		
						132	1220		
						133	1230		

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Dimmer	Dimmer Color	Standard	Extended	CMY	CMY Extended	Value	Function	Default	Snap
						134	1240		
						135	1250		
						136	1260		
						137	1270		
						138	1280		
						139	1290		
						140	1300		
						141	1310		
						142	1320		
						143	1330		
						144	1340		
						145	1350		
						146	1360		
						147	1370		
						148	1380		
						149	1390		
						150	1400		
						151	1410		
						152	1420		
						153	1430		
	7	12	19	10	15	154	1440	0	X
						155	1450		
						156	1460		
						157	1470		
						158	1480		
						159	1490		
						160	1500		
						161	2500		
						162	4000		
						163	5000		
						164	6000		
						165	10000		
						166	15000		
						167	20000		
						168	25000		
						169-200	Idle		
						201-210	Dimmer Curve Linear (default)		
						211-220	Dimmer Curve Square		
						221-230	Dimmer Curve Inverse Square		
						231-240	Dimmer Curve S-Curve		
						241-255	Idle		

## ELATION KL FRESNEL 8 FC - COLORS

Colors	Color Temperature	Green Shift
Cyan	2700K – 8500K	Full Minus Green to Neutral
Magenta		
Yellow		
Red		Neutral White
Green		
Blue		Neutral to Full Plus Green
Mint		
Amber		

## ELATION KL FRESNEL 8 FC - VIRTUAL GEL SWATCH BOOK COLORS

1	7	pale yellow	28	113	magenta
2	103	straw	29	46	dark magenta
3	151	gold tint	30	48	rose purple
4	100	spring yellow	31	126	mauve
5	10	medium yellow	32	49	medium purple
6	101	yellow	33	58	lavender
7	104	deep amber	34	199	palace blue
8	15	deep straw	35	119	dark blue
9	179	loving amber	36	132	medium blue
10	21	gold amber	37	120	deep blue
11	105	orange	38	165	daylight blue
12	158	deep orange	39	161	slate blue
13	22	dark amber	40	118	light blue
14	778	millennium gold	41	68	sky blue
15	135	deep golden amber	42	143	pale navy blue
16	24	scarlet	43	131	marine blue
17	106	primary red	44	115	peacock blue
18	26	bright red	45	172	lagoon blue
19	27	medium red	46	116	medium blue green
20	19	fire	47	90	dark yellow green
21	157	pink	48	139	primary green
22	36	medium pink	49	122	fern green
23	111	dark pink	50	89	moss green
24	128	bright pink	51	124	dark green
25	148	bright rose	52	88	lime green
26	332	special rose pink	53	138	pale green
27	793	vanity fair	54-179		No function

## ELATION KL FRESNEL 8 FC - COLORS TEMPERATURE

Value	Color Temperature	Value	Color Temperature
24	2400	55	5500
25	2500	56	5600
26	2600	57	5700
27	2700	58	5800
28	2800	59	5900
29	2900	60	6000
30	3000	61	6100
31	3100	62	6200
32	3200	63	6300
33	3300	64	6400
34	3400	65	6500
35	3500	66	6600
36	3600	67	6700
37	3700	68	6800
38	3800	69	6900
39	3900	70	7000
40	4000	71	7100
41	4100	72	7200
42	4200	73	7300
43	4300	74	7400
44	4400	75	7500
45	4500	76	7600
46	4600	77	7700
47	4700	78	7800
48	4800	79	7900
49	4900	80	8000
50	5000	81	8100
51	5100	82	8200
52	5200	83	8300
53	5300	84	8400
54	5400	85	8500