

## COLORado PXL Curve 12

## Control Channel Assignments and Value

## Single Control Mode

Tour (179 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1	000 ⇄ 255	0–100%
2	Fine tilt 1	000 ⇄ 255	0–100%
3	Tilt 2	000 ⇄ 255	0–100%
4	Fine tilt 2	000 ⇄ 255	0–100%
5	Tilt 3	000 ⇄ 255	0–100%
6	Fine tilt 3	000 ⇄ 255	0–100%
7	Tilt 4	000 ⇄ 255	0–100%
8	Fine tilt 4	000 ⇄ 255	0–100%
9	Tilt 5	000 ⇄ 255	0–100%
10	Fine tilt 5	000 ⇄ 255	0–100%
11	Tilt 6	000 ⇄ 255	0–100%
12	Fine tilt 6	000 ⇄ 255	0–100%
13	Tilt 7	000 ⇄ 255	0–100%
14	Fine tilt 7	000 ⇄ 255	0–100%
15	Tilt 8	000 ⇄ 255	0–100%
16	Fine tilt 8	000 ⇄ 255	0–100%
17	Tilt 9	000 ⇄ 255	0–100%
18	Fine tilt 9	000 ⇄ 255	0–100%
19	Tilt 10	000 ⇄ 255	0–100%
20	Fine tilt 10	000 ⇄ 255	0–100%
21	Tilt 11	000 ⇄ 255	0–100%
22	Fine tilt 11	000 ⇄ 255	0–100%
23	Tilt 12	000 ⇄ 255	0–100%
24	Fine tilt 12	000 ⇄ 255	0–100%
25	Tilt speed	000 ⇄ 255	Fast to slow
26	Tilt macro	000 ⇄ 004	No function
		005 ⇄ 255	see <a href="#">Tilt Macro</a>
27	CTC	000	No function
		001 ⇄ 255	From 19000K to 2700K
28	Color macro	000	No function
		001 ⇄ 255	see <a href="#">Color Chart</a>
29	Pattern (see <a href="#">Patterns</a> )	000	No function
		001 ⇄ 002	Pattern 1–255
30	LED built-in	000 ⇄ 015	No function
		016 ⇄ 255	see <a href="#">LED Macro</a>
31	LED built-in speed	000 ⇄ 127	Fast to slow
		128	Stop
		129 ⇄ 255	Slow to fast
32	LED built-in delay	000 ⇄ 255	Fast to slow
33	Background color	000	No function
		001 ⇄ 255	see <a href="#">Color Chart</a>
34	Background color dimmer	000 ⇄ 255	0–100%
35	Background color fine dimmer	000 ⇄ 255	0–100%
36	Dimmer	000 ⇄ 255	0–100%
37	Fine dimmer	000 ⇄ 255	0–100%
38	Strobe	000 ⇄ 019	Off
		020 ⇄ 255	see <a href="#">Strobe Chart</a>
39	Zoom 1	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting	
40	Zoom 2	000 ⇔ 255	0–100%	
41	Zoom 3	000 ⇔ 255	0–100%	
42	Zoom 4	000 ⇔ 255	0–100%	
43	Zoom 5	000 ⇔ 255	0–100%	
44	Zoom 6	000 ⇔ 255	0–100%	
45	Zoom 7	000 ⇔ 255	0–100%	
46	Zoom 8	000 ⇔ 255	0–100%	
47	Zoom 9	000 ⇔ 255	0–100%	
48	Zoom 10	000 ⇔ 255	0–100%	
49	Zoom 11	000 ⇔ 255	0–100%	
50	Zoom 12	000 ⇔ 255	0–100%	
51	Control	000 ⇔ 009 010 ⇔ 255	No function see <a href="#">Control Chart</a>	
52	Red	Cyan	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	Fine red	Fine cyan	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
54	Green	Magenta	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	Fine green	Fine magenta	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Blue	Yellow	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Fine blue	Fine yellow	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	White		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Fine white		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Dimmer 1		000 ⇔ 255	0–100%
61	Fine dimmer 1		000 ⇔ 255	0–100%
62	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Fine red 1	Fine cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
65	Fine green 1	Fine magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
66	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
67	Fine blue 1	Fine yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
68	White 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
69	Fine white 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
70	Dimmer 2		000 ⇔ 255	0–100%
71	Fine dimmer 2		000 ⇔ 255	0–100%
72	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
73	Fine red 2	Fine cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
75	Fine green 2	Fine magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
76	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
77	Fine blue 2	Fine yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
78	White 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
79	Fine white 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
80	Dimmer 3		000 ⇔ 255	0–100%
81	Fine dimmer 3		000 ⇔ 255	0–100%
82	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
83	Fine red 3	Fine cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
84	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
85	Fine green 3	Fine magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
86	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
87	Fine blue 3	Fine yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
88	White 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
89	Fine white 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
90	Dimmer 4		000 ⇔ 255	0–100%
91	Fine dimmer 4		000 ⇔ 255	0–100%

# DMX CHARTS



## COLORado PXL Curve 12

Channel	Function		Value	Percent/Setting
92	Red 4	Cyan 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
93	Fine red 4	Fine cyan 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
94	Green 4	Magenta 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
95	Fine green 4	Fine magenta 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
96	Blue 4	Yellow 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
97	Fine blue 4	Fine yellow 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
98	White 4		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
99	Fine white 4		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
100	Dimmer 5		000 ⇄ 255	0–100%
101	Fine dimmer 5		000 ⇄ 255	0–100%
102	Red 5	Cyan 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
103	Fine red 5	Fine cyan 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
104	Green 5	Magenta 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
105	Fine green 5	Fine magenta 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
106	Blue 5	Yellow 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
107	Fine blue 5	Fine yellow 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
108	White 5		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
109	Fine white 5		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
110	Dimmer 6		000 ⇄ 255	0–100%
111	Fine dimmer 6		000 ⇄ 255	0–100%
112	Red 6	Cyan 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
113	Fine red 6	Fine cyan 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
114	Green 6	Magenta 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
115	Fine green 6	Fine magenta 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
116	Blue 6	Yellow 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
117	Fine blue 6	Fine yellow 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
118	White 6		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
119	Fine white 6		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
120	Dimmer 7		000 ⇄ 255	0–100%
121	Fine dimmer 7		000 ⇄ 255	0–100%
122	Red 7	Cyan 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
123	Fine red 7	Fine cyan 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
124	Green 7	Magenta 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
125	Fine green 7	Fine magenta 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
126	Blue 7	Yellow 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
127	Fine blue 7	Fine yellow 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
128	White 7		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
129	Fine white 7		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
130	Dimmer 8		000 ⇄ 255	0–100%
131	Fine dimmer 8		000 ⇄ 255	0–100%
132	Red 8	Cyan 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
133	Fine red 8	Fine cyan 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
134	Green 8	Magenta 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
135	Fine green 8	Fine magenta 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
136	Blue 8	Yellow 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
137	Fine blue 8	Fine yellow 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
138	White 8		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
139	Fine white 8		000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
140	Dimmer 9		000 ⇄ 255	0–100%
141	Fine dimmer 9		000 ⇄ 255	0–100%
142	Red 9	Cyan 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
143	Fine red 9	Fine cyan 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
144	Green 9	Magenta 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Channel	Function	Value	Percent/Setting
145	Fine green 9    Fine magenta 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
146	Blue 9            Yellow 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
147	Fine blue 9      Fine yellow 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
148	White 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
149	Fine white 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
150	Dimmer 10	000 ⇔ 255	0–100%
151	Fine dimmer 10	000 ⇔ 255	0–100%
152	Red 10            Cyan 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
153	Fine red 10      Fine cyan 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
154	Green 10         Magenta 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
155	Fine green 10    Fine magenta 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
156	Blue 10           Yellow 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
157	Fine blue 10     Fine yellow 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
158	White 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
159	Fine white 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
160	Dimmer 11	000 ⇔ 255	0–100%
161	Fine dimmer 11	000 ⇔ 255	0–100%
162	Red 11            Cyan 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
163	Fine red 11      Fine cyan 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
164	Green 11         Magenta 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
165	Fine green 11    Fine magenta 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
166	Blue 11           Yellow 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
167	Fine blue 11     Fine yellow 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
168	White 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
169	Fine white 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
170	Dimmer 12	000 ⇔ 255	0–100%
171	Fine dimmer 12	000 ⇔ 255	0–100%
172	Red 12            Cyan 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
173	Fine red 12      Fine cyan 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
174	Green 12         Magenta 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
175	Fine green 12    Fine magenta 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
176	Blue 12           Yellow 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
177	Fine blue 12     Fine yellow 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
178	White 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
179	Fine white 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

## DMX CHARTS



### COLORado PXL Curve 12

#### Advanced (155 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1	000 ⇄ 255	0–100%
2	Fine tilt 1	000 ⇄ 255	0–100%
3	Tilt 2	000 ⇄ 255	0–100%
4	Fine tilt 2	000 ⇄ 255	0–100%
5	Tilt 3	000 ⇄ 255	0–100%
6	Fine tilt 3	000 ⇄ 255	0–100%
7	Tilt 4	000 ⇄ 255	0–100%
8	Fine tilt 4	000 ⇄ 255	0–100%
9	Tilt 5	000 ⇄ 255	0–100%
10	Fine tilt 5	000 ⇄ 255	0–100%
11	Tilt 6	000 ⇄ 255	0–100%
12	Fine tilt 6	000 ⇄ 255	0–100%
13	Tilt 7	000 ⇄ 255	0–100%
14	Fine tilt 7	000 ⇄ 255	0–100%
15	Tilt 8	000 ⇄ 255	0–100%
16	Fine tilt 8	000 ⇄ 255	0–100%
17	Tilt 9	000 ⇄ 255	0–100%
18	Fine tilt 9	000 ⇄ 255	0–100%
19	Tilt 10	000 ⇄ 255	0–100%
20	Fine tilt 10	000 ⇄ 255	0–100%
21	Tilt 11	000 ⇄ 255	0–100%
22	Fine tilt 11	000 ⇄ 255	0–100%
23	Tilt 12	000 ⇄ 255	0–100%
24	Fine tilt 12	000 ⇄ 255	0–100%
25	Tilt speed	000 ⇄ 255	Fast to slow
26	Tilt macro	000 ⇄ 004	No function
		005 ⇄ 255	see <a href="#">Tilt Macro</a>
27	CTC	000	No function
		001 ⇄ 255	From 19000K to 2700K
28	Color macro	000	No function
		001 ⇄ 255	see <a href="#">Color Chart</a>
29	Pattern (see <a href="#">Patterns</a> )	000	No function
		001 ⇄ 002	Pattern 1–255
30	LED built-in	000 ⇄ 015	No function
		016 ⇄ 255	see <a href="#">LED Macro</a>
31	LED built-in speed	000 ⇄ 127	Fast to slow
		128	Stop
		129 ⇄ 255	Slow to fast
32	LED built-in delay	000 ⇄ 255	Fast to slow
33	Background color	000	No function
		001 ⇄ 255	see <a href="#">Color Chart</a>
34	Background color dimmer	000 ⇄ 255	0–100%
35	Background color fine dimmer	000 ⇄ 255	0–100%
36	Dimmer	000 ⇄ 255	0–100%
37	Fine dimmer	000 ⇄ 255	0–100%
38	Strobe	000 ⇄ 019	Off
		020 ⇄ 255	see <a href="#">Strobe Chart</a>
39	Zoom 1	000 ⇄ 255	0–100%
40	Zoom 2	000 ⇄ 255	0–100%
41	Zoom 3	000 ⇄ 255	0–100%
42	Zoom 4	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting	
43	Zoom 5	000 ⇔ 255	0–100%	
44	Zoom 6	000 ⇔ 255	0–100%	
45	Zoom 7	000 ⇔ 255	0–100%	
46	Zoom 8	000 ⇔ 255	0–100%	
47	Zoom 9	000 ⇔ 255	0–100%	
48	Zoom 10	000 ⇔ 255	0–100%	
49	Zoom 11	000 ⇔ 255	0–100%	
50	Zoom 12	000 ⇔ 255	0–100%	
51	Control	000 ⇔ 009 010 ⇔ 255	No function see <a href="#">Control Chart</a>	
52	Red	Cyan	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	Fine red	Fine cyan	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
54	Green	Magenta	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	Fine green	Fine magenta	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Blue	Yellow	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Fine blue	Fine yellow	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	White		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Fine white		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
61	Fine red 1	Fine cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Fine green 1	Fine magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
65	Fine blue 1	Fine yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
66	White 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
67	Fine white 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
68	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
69	Fine red 2	Fine cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
70	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
71	Fine green 2	Fine magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
72	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
73	Fine blue 2	Fine yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	White 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
75	Fine white 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
76	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
77	Fine red 3	Fine cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
78	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
79	Fine green 3	Fine magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
80	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
81	Fine blue 3	Fine yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
82	White 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
83	Fine white 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
84	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
85	Fine red 4	Fine cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
86	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
87	Fine green 4	Fine magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
88	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
89	Fine blue 4	Fine yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
90	White 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
91	Fine white 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
92	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
93	Fine red 5	Fine cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
94	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

# DMX CHARTS



## COLORado PXL Curve 12

Channel	Function	Value	Percent/Setting
95	Fine green 5    Fine magenta 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
96	Blue 5            Yellow 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
97	Fine blue 5      Fine yellow 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
98	White 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
99	Fine white 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
100	Red 6             Cyan 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
101	Fine red 6        Fine cyan 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
102	Green 6           Magenta 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
103	Fine green 6      Fine magenta 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
104	Blue 6            Yellow 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
105	Fine blue 6       Fine yellow 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
106	White 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
107	Fine white 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
108	Red 7             Cyan 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
109	Fine red 7        Fine cyan 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
110	Green 7           Magenta 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
111	Fine green 7      Fine magenta 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
112	Blue 7            Yellow 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
113	Fine blue 7       Fine yellow 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
114	White 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
115	Fine white 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
116	Red 8             Cyan 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
117	Fine red 8        Fine cyan 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
118	Green 8           Magenta 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
119	Fine green 8      Fine magenta 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
120	Blue 8            Yellow 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
121	Fine blue 8       Fine yellow 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
122	White 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
123	Fine white 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
124	Red 9             Cyan 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
125	Fine red 9        Fine cyan 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
126	Green 9           Magenta 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
127	Fine green 9      Fine magenta 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
128	Blue 9            Yellow 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
129	Fine blue 9       Fine yellow 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
130	White 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
131	Fine white 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
132	Red 10            Cyan 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
133	Fine red 10       Fine cyan 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
134	Green 10          Magenta 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
135	Fine green 10     Fine magenta 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
136	Blue 10           Yellow 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
137	Fine blue 10      Fine yellow 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
138	White 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
139	Fine white 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
140	Red 11            Cyan 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
141	Fine red 11       Fine cyan 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
142	Green 11          Magenta 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
143	Fine green 11     Fine magenta 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
144	Blue 11           Yellow 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
145	Fine blue 11      Fine yellow 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
146	White 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
147	Fine white 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Channel	Function	Value	Percent/Setting
148	Red 12      Cyan 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
149	Fine red 12      Fine cyan 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
150	Green 12      Magenta 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
151	Fine green 12      Fine magenta 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
152	Blue 12      Yellow 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
153	Fine blue 12      Fine yellow 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
154	White 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
155	Fine white 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

### Standard (101 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1	000 ⇔ 255	0–100%
2	Fine tilt 1	000 ⇔ 255	0–100%
3	Tilt 2	000 ⇔ 255	0–100%
4	Fine tilt 2	000 ⇔ 255	0–100%
5	Tilt 3	000 ⇔ 255	0–100%
6	Fine tilt 3	000 ⇔ 255	0–100%
7	Tilt 4	000 ⇔ 255	0–100%
8	Fine tilt 4	000 ⇔ 255	0–100%
9	Tilt 5	000 ⇔ 255	0–100%
10	Fine tilt 5	000 ⇔ 255	0–100%
11	Tilt 6	000 ⇔ 255	0–100%
12	Fine tilt 6	000 ⇔ 255	0–100%
13	Tilt 7	000 ⇔ 255	0–100%
14	Fine tilt 7	000 ⇔ 255	0–100%
15	Tilt 8	000 ⇔ 255	0–100%
16	Fine tilt 8	000 ⇔ 255	0–100%
17	Tilt 9	000 ⇔ 255	0–100%
18	Fine tilt 9	000 ⇔ 255	0–100%
19	Tilt 10	000 ⇔ 255	0–100%
20	Fine tilt 10	000 ⇔ 255	0–100%
21	Tilt 11	000 ⇔ 255	0–100%
22	Fine tilt 11	000 ⇔ 255	0–100%
23	Tilt 12	000 ⇔ 255	0–100%
24	Fine tilt 12	000 ⇔ 255	0–100%
25	Tilt speed	000 ⇔ 255	Fast to slow
26	Tilt macro	000 ⇔ 004 005 ⇔ 255	No function see <a href="#">Tilt Macro</a>
27	CTC	000 001 ⇔ 255	No function From 19000K to 2700K
28	Color macro	000 001 ⇔ 255	No function see <a href="#">Color Chart</a>
29	Pattern (see <a href="#">Patterns</a> )	000 001 ⇔ 002	No function Pattern 1–255
30	LED built-in	000 ⇔ 015 016 ⇔ 255	No function see <a href="#">LED Macro</a>
31	LED built-in speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
32	LED built-in delay	000 ⇔ 255	Fast to slow
33	Background color	000 001 ⇔ 255	No function see <a href="#">Color Chart</a>



# DMX CHARTS



## COLORado PXL Curve 12

Channel	Function	Value	Percent/Setting
34	Background color dimmer	000 ⇄ 255	0–100%
35	Dimmer	000 ⇄ 255	0–100%
36	Strobe	000 ⇄ 019	Off
		020 ⇄ 255	see <a href="#">Strobe Chart</a>
37	Zoom 1	000 ⇄ 255	0–100%
38	Zoom 2	000 ⇄ 255	0–100%
39	Zoom 3	000 ⇄ 255	0–100%
40	Zoom 4	000 ⇄ 255	0–100%
41	Zoom 5	000 ⇄ 255	0–100%
42	Zoom 6	000 ⇄ 255	0–100%
43	Zoom 7	000 ⇄ 255	0–100%
44	Zoom 8	000 ⇄ 255	0–100%
45	Zoom 9	000 ⇄ 255	0–100%
46	Zoom 10	000 ⇄ 255	0–100%
47	Zoom 11	000 ⇄ 255	0–100%
48	Zoom 12	000 ⇄ 255	0–100%
49	Control	000 ⇄ 009	No function
		010 ⇄ 255	see <a href="#">Control Chart</a>
50	Red           Cyan	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	Green       Magenta	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
52	Blue         Yellow	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	White	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
54	Red 1       Cyan 1	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	Green 1     Magenta 1	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Blue 1      Yellow 1	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	White 1	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Red 2       Cyan 2	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Green 2     Magenta 2	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Blue 2      Yellow 2	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
61	White 2	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	Red 3       Cyan 3	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Green 3     Magenta 3	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	Blue 3      Yellow 3	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
65	White 3	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
66	Red 4       Cyan 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
67	Green 4     Magenta 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
68	Blue 4      Yellow 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
69	White 4	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
70	Red 5       Cyan 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
71	Green 5     Magenta 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
72	Blue 5      Yellow 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
73	White 5	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	Red 6       Cyan 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
75	Green 6     Magenta 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
76	Blue 6      Yellow 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
77	White 6	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
78	Red 7       Cyan 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
79	Green 7     Magenta 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
80	Blue 7      Yellow 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
81	White 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
82	Red 8       Cyan 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
83	Green 8     Magenta 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
84	Blue 8      Yellow 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Channel	Function	Value	Percent/Setting
85	White 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
86	Red 9      Cyan 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
87	Green 9      Magenta 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
88	Blue 9      Yellow 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
89	White 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
90	Red 10      Cyan 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
91	Green 10      Magenta 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
92	Blue 10      Yellow 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
93	White 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
94	Red 11      Cyan 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
95	Green 11      Magenta 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
96	Blue 11      Yellow 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
97	White 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
98	Red 12      Cyan 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
99	Green 12      Magenta 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
100	Blue 12      Yellow 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
101	White 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Basic2 (56 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1	000 ⇔ 255	0–100%
2	Fine tilt 1	000 ⇔ 255	0–100%
3	Tilt 2	000 ⇔ 255	0–100%
4	Fine tilt 2	000 ⇔ 255	0–100%
5	Tilt 3	000 ⇔ 255	0–100%
6	Fine tilt 3	000 ⇔ 255	0–100%
7	Tilt 4	000 ⇔ 255	0–100%
8	Fine tilt 4	000 ⇔ 255	0–100%
9	Tilt 5	000 ⇔ 255	0–100%
10	Fine tilt 5	000 ⇔ 255	0–100%
11	Tilt 6	000 ⇔ 255	0–100%
12	Fine tilt 6	000 ⇔ 255	0–100%
13	Tilt 7	000 ⇔ 255	0–100%
14	Fine tilt 7	000 ⇔ 255	0–100%
15	Tilt 8	000 ⇔ 255	0–100%
16	Fine tilt 8	000 ⇔ 255	0–100%
17	Tilt 9	000 ⇔ 255	0–100%
18	Fine tilt 9	000 ⇔ 255	0–100%
19	Tilt 10	000 ⇔ 255	0–100%
20	Fine tilt 10	000 ⇔ 255	0–100%
21	Tilt 11	000 ⇔ 255	0–100%
22	Fine tilt 11	000 ⇔ 255	0–100%
23	Tilt 12	000 ⇔ 255	0–100%
24	Fine tilt 12	000 ⇔ 255	0–100%
25	Tilt speed	000 ⇔ 255	Fast to slow
26	Tilt macro	000 ⇔ 004 005 ⇔ 255	No function see <a href="#">Tilt Macro</a>
27	CTC	000 001 ⇔ 255	No function From 19000K to 2700K
28	Color macro	000 001 ⇔ 255	No function see <a href="#">Color Chart</a>

## DMX CHARTS



### COLORado PXL Curve 12

Channel	Function	Value	Percent/Setting
29	Pattern (see <a href="#">Patterns</a> )	000	No function
		001 ⇔ 002	Pattern 1–255
30	LED built-in	000 ⇔ 015	No function
		016 ⇔ 255	see <a href="#">LED Macro</a>
31	LED built-in speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
32	LED built-in delay	000 ⇔ 255	Fast to slow
33	Background color	000	No function
		001 ⇔ 255	see <a href="#">Color Chart</a>
34	Background color dimmer	000 ⇔ 255	0–100%
35	Dimmer	000 ⇔ 255	0–100%
36	Strobe	000 ⇔ 019	Off
		020 ⇔ 255	see <a href="#">Strobe Chart</a>
37	Zoom 1	000 ⇔ 255	0–100%
38	Zoom 2	000 ⇔ 255	0–100%
39	Zoom 3	000 ⇔ 255	0–100%
40	Zoom 4	000 ⇔ 255	0–100%
41	Zoom 5	000 ⇔ 255	0–100%
42	Zoom 6	000 ⇔ 255	0–100%
43	Zoom 7	000 ⇔ 255	0–100%
44	Zoom 8	000 ⇔ 255	0–100%
45	Zoom 9	000 ⇔ 255	0–100%
46	Zoom 10	000 ⇔ 255	0–100%
47	Zoom 11	000 ⇔ 255	0–100%
48	Zoom 12	000 ⇔ 255	0–100%
49	Control	000 ⇔ 009	No function
		010 ⇔ 255	see <a href="#">Control Chart</a>
50	Red           Cyan	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	Green       Magenta	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
52	Blue        Yellow	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	White	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

### Basic (20 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1–12	000 ⇔ 255	0–100%
2	Fine tilt 1–12	000 ⇔ 255	0–100%
3	Tilt speed	000 ⇔ 255	0–100%
4	Tilt macro	000 ⇔ 004 005 ⇔ 255	No function see <a href="#">Tilt Macro</a>
5	CTC	000 001 ⇔ 255	No function From 19000K to 2700K
6	Color macro	000 001 ⇔ 255	No function see <a href="#">Color Chart</a>
7	Pattern (see <a href="#">Patterns</a> )	000 001 ⇔ 255	No function Pattern 1–255
8	LED built-in	000 ⇔ 015 016 ⇔ 255	No function see <a href="#">LED Macro</a>
9	LED built-in speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
10	LED built-in delay	000 ⇔ 255	Fast to slow
11	Background color	000 001 ⇔ 255	No function see <a href="#">Color Chart</a>
12	Background color dimmer	000 ⇔ 255	0–100%
13	Dimmer	000 ⇔ 255	0–100%
14	Strobe	000 ⇔ 019 020 ⇔ 255	Off see <a href="#">Strobe Chart</a>
15	Zoom 1–12	000 ⇔ 255	0–100%
16	Control	000 ⇔ 009 010 ⇔ 255	No function see <a href="#">Control Chart</a>
17	Red	Cyan	000 ⇔ 255
18	Green	Magenta	000 ⇔ 255
19	Blue	Yellow	000 ⇔ 255
20	White		000 ⇔ 255

## COLORado PXL Curve 12

## Dual Control Mode - Movement

Advanced (59 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1	000 ⇄ 255	0–100%
2	Fine tilt 1	000 ⇄ 255	0–100%
3	Tilt 2	000 ⇄ 255	0–100%
4	Fine tilt 2	000 ⇄ 255	0–100%
5	Tilt 3	000 ⇄ 255	0–100%
6	Fine tilt 3	000 ⇄ 255	0–100%
7	Tilt 4	000 ⇄ 255	0–100%
8	Fine tilt 4	000 ⇄ 255	0–100%
9	Tilt 5	000 ⇄ 255	0–100%
10	Fine tilt 5	000 ⇄ 255	0–100%
11	Tilt 6	000 ⇄ 255	0–100%
12	Fine tilt 6	000 ⇄ 255	0–100%
13	Tilt 7	000 ⇄ 255	0–100%
14	Fine tilt 7	000 ⇄ 255	0–100%
15	Tilt 8	000 ⇄ 255	0–100%
16	Fine tilt 8	000 ⇄ 255	0–100%
17	Tilt 9	000 ⇄ 255	0–100%
18	Fine tilt 9	000 ⇄ 255	0–100%
19	Tilt 10	000 ⇄ 255	0–100%
20	Fine tilt 10	000 ⇄ 255	0–100%
21	Tilt 11	000 ⇄ 255	0–100%
22	Fine tilt 11	000 ⇄ 255	0–100%
23	Tilt 12	000 ⇄ 255	0–100%
24	Fine tilt 12	000 ⇄ 255	0–100%
25	Tilt speed	000 ⇄ 255	Fast to slow
26	Tilt macro	000 ⇄ 004 005 ⇄ 255	No function see <a href="#">Tilt Macro</a>
27	CTC	000 001 ⇄ 255	No function From 19000K to 2700K
28	Color macro	000 001 ⇄ 255	No function see <a href="#">Color Chart</a>
29	Pattern (see <a href="#">Patterns</a> )	000 001 ⇄ 002	No function Pattern 1–255
30	LED built-in	000 ⇄ 015 016 ⇄ 255	No function see <a href="#">LED Macro</a>
31	LED built-in speed	000 ⇄ 127 128 129 ⇄ 255	Fast to slow Stop Slow to fast
32	LED built-in delay	000 ⇄ 255	Fast to slow
33	Background color	000 001 ⇄ 255	No function see <a href="#">Color Chart</a>
34	Background color dimmer	000 ⇄ 255	0–100%
35	Background color fine dimmer	000 ⇄ 255	0–100%
36	Dimmer	000 ⇄ 255	0–100%
37	Fine dimmer	000 ⇄ 255	0–100%
38	Strobe	000 ⇄ 019 020 ⇄ 255	Off see <a href="#">Strobe Chart</a>
39	Zoom 1	000 ⇄ 255	0–100%
40	Zoom 2	000 ⇄ 255	0–100%
41	Zoom 3	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
42	Zoom 4	000 ⇔ 255	0–100%
43	Zoom 5	000 ⇔ 255	0–100%
44	Zoom 6	000 ⇔ 255	0–100%
45	Zoom 7	000 ⇔ 255	0–100%
46	Zoom 8	000 ⇔ 255	0–100%
47	Zoom 9	000 ⇔ 255	0–100%
48	Zoom 10	000 ⇔ 255	0–100%
49	Zoom 11	000 ⇔ 255	0–100%
50	Zoom 12	000 ⇔ 255	0–100%
51	Control	000 ⇔ 009 010 ⇔ 255	No function see <a href="#">Control Chart</a>
52	Red	Cyan	000 ⇔ 255
53	Fine red	Fine cyan	000 ⇔ 255
54	Green	Magenta	000 ⇔ 255
55	Fine green	Fine magenta	000 ⇔ 255
56	Blue	Yellow	000 ⇔ 255
57	Fine blue	Fine yellow	000 ⇔ 255
58	White		000 ⇔ 255
59	Fine white	000 ⇔ 255	000 ⇔ 255

Standard (53 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1	000 ⇔ 255	0–100%
2	Fine tilt 1	000 ⇔ 255	0–100%
3	Tilt 2	000 ⇔ 255	0–100%
4	Fine tilt 2	000 ⇔ 255	0–100%
5	Tilt 3	000 ⇔ 255	0–100%
6	Fine tilt 3	000 ⇔ 255	0–100%
7	Tilt 4	000 ⇔ 255	0–100%
8	Fine tilt 4	000 ⇔ 255	0–100%
9	Tilt 5	000 ⇔ 255	0–100%
10	Fine tilt 5	000 ⇔ 255	0–100%
11	Tilt 6	000 ⇔ 255	0–100%
12	Fine tilt 6	000 ⇔ 255	0–100%
13	Tilt 7	000 ⇔ 255	0–100%
14	Fine tilt 7	000 ⇔ 255	0–100%
15	Tilt 8	000 ⇔ 255	0–100%
16	Fine tilt 8	000 ⇔ 255	0–100%
17	Tilt 9	000 ⇔ 255	0–100%
18	Fine tilt 9	000 ⇔ 255	0–100%
19	Tilt 10	000 ⇔ 255	0–100%
20	Fine tilt 10	000 ⇔ 255	0–100%
21	Tilt 11	000 ⇔ 255	0–100%
22	Fine tilt 11	000 ⇔ 255	0–100%
23	Tilt 12	000 ⇔ 255	0–100%
24	Fine tilt 12	000 ⇔ 255	0–100%
25	Tilt speed	000 ⇔ 255	Fast to slow
26	Tilt macro	000 ⇔ 004 005 ⇔ 255	No function see <a href="#">Tilt Macro</a>
27	CTC	000 001 ⇔ 255	No function From 19000K to 2700K

## DMX CHARTS



### COLORado PXL Curve 12

Channel	Function	Value	Percent/Setting
28	Color macro	000	No function
		001 ⇔ 255	see <a href="#">Color Chart</a>
29	Pattern (see <a href="#">Patterns</a> )	000	No function
		001 ⇔ 002	Pattern 1–255
30	LED built-in	000 ⇔ 015	No function
		016 ⇔ 255	see <a href="#">LED Macro</a>
31	LED built-in speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
32	LED built-in delay	000 ⇔ 255	Fast to slow
33	Background color	000	No function
		001 ⇔ 255	see <a href="#">Color Chart</a>
34	Background color dimmer	000 ⇔ 255	0–100%
–	Background color fine dimmer	000 ⇔ 255	0–100%
35	Dimmer	000 ⇔ 255	0–100%
–	Fine dimmer	000 ⇔ 255	0–100%
36	Strobe	000 ⇔ 019	Off
		020 ⇔ 255	see <a href="#">Strobe Chart</a>
37	Zoom 1	000 ⇔ 255	0–100%
38	Zoom 2	000 ⇔ 255	0–100%
39	Zoom 3	000 ⇔ 255	0–100%
40	Zoom 4	000 ⇔ 255	0–100%
41	Zoom 5	000 ⇔ 255	0–100%
42	Zoom 6	000 ⇔ 255	0–100%
43	Zoom 7	000 ⇔ 255	0–100%
44	Zoom 8	000 ⇔ 255	0–100%
45	Zoom 9	000 ⇔ 255	0–100%
46	Zoom 10	000 ⇔ 255	0–100%
47	Zoom 11	000 ⇔ 255	0–100%
48	Zoom 12	000 ⇔ 255	0–100%
49	Control	000 ⇔ 009	No function
		010 ⇔ 255	see <a href="#">Control Chart</a>
50	Red           Cyan	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	Green       Magenta	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
52	Blue         Yellow	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	White	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

### Basic (41 channels)

Channel	Function	Value	Percent/Setting
1	Tilt 1	000 ⇄ 255	0–100%
2	Fine tilt 1	000 ⇄ 255	0–100%
3	Tilt 2	000 ⇄ 255	0–100%
4	Fine tilt 2	000 ⇄ 255	0–100%
5	Tilt 3	000 ⇄ 255	0–100%
6	Fine tilt 3	000 ⇄ 255	0–100%
7	Tilt 4	000 ⇄ 255	0–100%
8	Fine tilt 4	000 ⇄ 255	0–100%
9	Tilt 5	000 ⇄ 255	0–100%
10	Fine tilt 5	000 ⇄ 255	0–100%
11	Tilt 6	000 ⇄ 255	0–100%
12	Fine tilt 6	000 ⇄ 255	0–100%
13	Tilt 7	000 ⇄ 255	0–100%
14	Fine tilt 7	000 ⇄ 255	0–100%
15	Tilt 8	000 ⇄ 255	0–100%
16	Fine tilt 8	000 ⇄ 255	0–100%
17	Tilt 9	000 ⇄ 255	0–100%
18	Fine tilt 9	000 ⇄ 255	0–100%
19	Tilt 10	000 ⇄ 255	0–100%
20	Fine tilt 10	000 ⇄ 255	0–100%
21	Tilt 11	000 ⇄ 255	0–100%
22	Fine tilt 11	000 ⇄ 255	0–100%
23	Tilt 12	000 ⇄ 255	0–100%
24	Fine tilt 12	000 ⇄ 255	0–100%
25	Tilt speed	000 ⇄ 255	Fast to slow
26	Tilt macro	000 ⇄ 004	No function
		005 ⇄ 255	see <a href="#">Tilt Macro</a>
27	Dimmer	000 ⇄ 255	0–100%
28	Strobe	000 ⇄ 019	Off
		020 ⇄ 255	see <a href="#">Strobe Chart</a>
29	Zoom 1	000 ⇄ 255	0–100%
30	Zoom 2	000 ⇄ 255	0–100%
31	Zoom 3	000 ⇄ 255	0–100%
32	Zoom 4	000 ⇄ 255	0–100%
33	Zoom 5	000 ⇄ 255	0–100%
34	Zoom 6	000 ⇄ 255	0–100%
35	Zoom 7	000 ⇄ 255	0–100%
36	Zoom 8	000 ⇄ 255	0–100%
37	Zoom 9	000 ⇄ 255	0–100%
38	Zoom 10	000 ⇄ 255	0–100%
39	Zoom 11	000 ⇄ 255	0–100%
40	Zoom 12	000 ⇄ 255	0–100%
41	Control	000 ⇄ 009	No function
		010 ⇄ 255	see <a href="#">Control Chart</a>



COLORado PXL Curve 12

Dual Control Mode - Pixels

Advanced (96 channels)

Channel	Function	Value	Percent/Setting
1	Red 1      Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Fine red 1      Fine cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Green 1      Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	Fine green 1      Fine magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
5	Blue 1      Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
6	Fine blue 1      Fine yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
7	White 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
8	Fine white 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
9	Red 2      Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
10	Fine red 2      Fine cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
11	Green 2      Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
12	Fine green 2      Fine magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
13	Blue 2      Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
14	Fine blue 2      Fine yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
15	White 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
16	Fine white 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Red 3      Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Fine red 3      Fine cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Green 3      Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	Fine green 3      Fine magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	Blue 3      Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	Fine blue 3      Fine yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	White 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	Fine white 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	Red 4      Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	Fine red 4      Fine cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
27	Green 4      Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	Fine green 4      Fine magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	Blue 4      Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	Fine blue 4      Fine yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	White 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	Fine white 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
33	Red 5      Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	Fine red 5      Fine cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	Green 5      Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	Fine green 5      Fine magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
37	Blue 5      Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
38	Fine blue 5      Fine yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
39	White 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
40	Fine white 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
41	Red 6      Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
42	Fine red 6      Fine cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
43	Green 6      Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
44	Fine green 6      Fine magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
45	Blue 6      Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
46	Fine blue 6      Fine yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
47	White 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
48	Fine white 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
49	Red 7      Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
50	Fine red 7      Fine cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	Green 7      Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Channel	Function	Value	Percent/Setting
52	Fine green 7    Fine magenta 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	Blue 7    Yellow 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
54	Fine blue 7    Fine yellow 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	White 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Fine white 7	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Red 8    Cyan 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Fine red 8    Fine cyan 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Green 8    Magenta 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Fine green 8    Fine magenta 8	000 ⇄ 255	0–100%
61	Blue 8    Yellow 8	000 ⇄ 255	0–100%
62	Fine blue 8    Fine yellow 8	000 ⇄ 255	0–100%
63	White 8	000 ⇄ 255	0–100%
64	Fine white 8	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
65	Red 9    Cyan 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
66	Fine red 9    Fine cyan 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
67	Green 9    Magenta 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
68	Fine green 9    Fine magenta 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
69	Blue 9    Yellow 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
70	Fine blue 9    Fine yellow 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
71	White 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
72	Fine white 9	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
73	Red 10    Cyan 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	Fine red 10    Fine cyan 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
75	Green 10    Magenta 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
76	Fine green 10    Fine magenta 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
77	Blue 10    Yellow 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
78	Fine blue 10    Fine yellow 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
79	White 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
80	Fine white 10	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
81	Red 11    Cyan 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
82	Fine red 11    Fine cyan 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
83	Green 11    Magenta 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
84	Fine green 11    Fine magenta 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
85	Blue 11    Yellow 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
86	Fine blue 11    Fine yellow 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
87	White 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
88	Fine white 11	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
89	Red 12    Cyan 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
90	Fine red 12    Fine cyan 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
91	Green 12    Magenta 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
92	Fine green 12    Fine magenta 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
93	Blue 12    Yellow 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
94	Fine blue 12    Fine yellow 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
95	White 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
96	Fine white 12	000 ⇄ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

# DMX CHARTS



## COLORado PXL Curve 12

### Standard (48 channels)

Channel	Function		Value	Percent/Setting
1	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	White 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
5	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
6	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
7	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
8	White 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
9	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
10	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
11	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
12	White 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
13	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
14	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
15	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
16	White 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Blue 5	Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	White 5		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	Red 6	Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	Green 6	Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	Blue 6	Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	White 6		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	Red 7	Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	Green 7	Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
27	Blue 7	Yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	White 7		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	White 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
33	Red 9	Cyan 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	Green 9	Magenta 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	Blue 9	Yellow 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	White 9		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
37	Red 10	Cyan 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
38	Green 10	Magenta 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
39	Blue 10	Yellow 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
40	White 10		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
41	Red 11	Cyan 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
42	Green 11	Magenta 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
43	Blue 11	Yellow 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
44	White 11		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
45	Red 12	Cyan 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
46	Green 12	Magenta 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
47	Blue 12	Yellow 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
48	White 12		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Basic (36 channels)

Channel	Function		Value	Percent/Setting
1	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
5	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
6	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
7	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
8	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
9	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
10	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
11	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
12	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
13	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
14	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
15	Blue 5	Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
16	Red 6	Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Green 6	Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Blue 6	Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Red 7	Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	Green 7	Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	Blue 7	Yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	Red 9	Cyan 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	Green 9	Magenta 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
27	Blue 9	Yellow 9	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	Red 10	Cyan 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	Green 10	Magenta 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	Blue 10	Yellow 10	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	Red 11	Cyan 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	Green 11	Magenta 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
33	Blue 11	Yellow 11	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	Red 12	Cyan 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	Green 12	Magenta 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	Blue 12	Yellow 12	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

COLORado PXL Curve 12

Tilt Macro

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 004	No function	090 ⇔ 094	Tilt macro 18	180 ⇔ 184	Tilt macro 36
005 ⇔ 009	Tilt macro 1	095 ⇔ 099	Tilt macro 19	185 ⇔ 189	Tilt macro 37
010 ⇔ 014	Tilt macro 2	100 ⇔ 104	Tilt macro 20	190 ⇔ 194	Tilt macro 38
015 ⇔ 019	Tilt macro 3	105 ⇔ 109	Tilt macro 21	195 ⇔ 199	Tilt macro 39
020 ⇔ 024	Tilt macro 4	110 ⇔ 114	Tilt macro 22	200 ⇔ 204	Tilt macro 40
025 ⇔ 029	Tilt macro 5	115 ⇔ 119	Tilt macro 23	205 ⇔ 209	Tilt macro 41
030 ⇔ 034	Tilt macro 6	120 ⇔ 124	Tilt macro 24	210 ⇔ 214	Tilt macro 42
035 ⇔ 039	Tilt macro 7	125 ⇔ 129	Tilt macro 25	215 ⇔ 219	Tilt macro 43
040 ⇔ 044	Tilt macro 8	130 ⇔ 134	Tilt macro 26	220 ⇔ 224	Tilt macro 44
045 ⇔ 049	Tilt macro 9	135 ⇔ 139	Tilt macro 27	225 ⇔ 229	Tilt macro 45
050 ⇔ 054	Tilt macro 10	140 ⇔ 144	Tilt macro 28	230 ⇔ 234	Tilt macro 46
055 ⇔ 059	Tilt macro 11	145 ⇔ 149	Tilt macro 29	235 ⇔ 239	Tilt macro 47
060 ⇔ 064	Tilt macro 12	150 ⇔ 154	Tilt macro 30	240 ⇔ 244	Tilt macro 48
065 ⇔ 069	Tilt macro 13	155 ⇔ 159	Tilt macro 31	245 ⇔ 249	Tilt macro 49
070 ⇔ 074	Tilt macro 14	160 ⇔ 164	Tilt macro 32	250 ⇔ 254	Tilt macro 50
075 ⇔ 079	Tilt macro 15	165 ⇔ 169	Tilt macro 33	255	Tilt macro 51
080 ⇔ 084	Tilt macro 16	170 ⇔ 174	Tilt macro 34		
085 ⇔ 089	Tilt macro 17	175 ⇔ 179	Tilt macro 35		

Color Chart

DMX Value	Function	Red Value	Green Value	Blue Value	White Value
000	No function	N/A	N/A	N/A	N/A
001 ⇔ 002	2700K	156	118	000	063
003 ⇔ 004	3200K	156	141	005	089
005 ⇔ 006	4200K	156	141	014	255
007 ⇔ 008	5600K	156	207	054	255
009 ⇔ 010	8000K	130	255	096	255
011	Blue	000	000	255	000
012 ⇔ 048	Blue to cyan	000	+	255	000
049	Cyan	000	255	255	000
050 ⇔ 086	Cyan to green	000	255	-	000
087	Green	000	255	000	000
088 ⇔ 124	Green to yellow	+	255	000	000
125	Yellow	255	255	000	000
126 ⇔ 162	Yellow to red	255	-	000	000
163	Red	255	000	000	000
164 ⇔ 200	Red to magenta	255	000	+	000
201	Magenta	255	000	255	000
202 ⇔ 238	Magenta to blue	-	000	255	000
239	Blue	000	000	255	000
240 ⇔ 247	Color fade, fast to slow	N/A	N/A	N/A	N/A
248 ⇔ 255	Color snap, fast to slow	N/A	N/A	N/A	N/A

### Strobe Chart

DMX Value	Function	DMX Value	Function
000 ⇔ 019	Off	145 ⇔ 149	On
020 ⇔ 024	On	150 ⇔ 164	Random 0–100% strobe, fast to slow
025 ⇔ 064	Strobe, fast to slow	165 ⇔ 169	On
065 ⇔ 069	On	170 ⇔ 184	Pulse strobe 1, fast to slow
070 ⇔ 084	100–0% strobe, fast to slow	185 ⇔ 189	On
085 ⇔ 089	On	190 ⇔ 204	Random pulse strobe, fast to slow
090 ⇔ 104	0–100% strobe, fast to slow	205 ⇔ 209	On
105 ⇔ 109	On	210 ⇔ 224	100–0–100% strobe, fast to slow
110 ⇔ 124	Random strobe, fast to slow	225 ⇔ 229	On
125 ⇔ 129	On	230 ⇔ 244	Pulse strobe 2, fast to slow
130 ⇔ 144	Random 100–0% strobe, fast to slow	245 ⇔ 255	On

### Control Chart

DMX Value	Function	DMX Value	Function
000 ⇔ 009	No function	105 ⇔ 109	Reserved for future use
010 ⇔ 014	Blackout on tilt	110 ⇔ 114	Red Shift on
015 ⇔ 019	Reserved for future use	115 ⇔ 119	Red Shift off
020 ⇔ 024	RGBW (additive) color-mixing mode	120 ⇔ 134	Reserved for future use
025 ⇔ 029	CMY (subtractive) color-mixing mode	135 ⇔ 139	Dimmer fast
030 ⇔ 034	Combine heads	140 ⇔ 144	Dimmer smooth
035 ⇔ 039	Disable combine heads	145 ⇔ 149	Linear
040 ⇔ 044	Color presets HTP on	150 ⇔ 154	Square
045 ⇔ 049	Color presets HTP off	155 ⇔ 159	I Squa
050 ⇔ 054	Reserved for future use	160 ⇔ 164	S-Curve
055 ⇔ 059	Tilt reset	165 ⇔ 169	White Mode
060 ⇔ 064	Zoom reset	170 ⇔ 174	Full Mode
065 ⇔ 069	Reserved for future use	175 ⇔ 179	PWM 600HZ
070 ⇔ 074	All reset	180 ⇔ 184	PWM 1200HZ
075 ⇔ 079	Cell order 1–12	185 ⇔ 189	PWM 2000 HZ
080 ⇔ 084	Cell order 12–1	190 ⇔ 194	PWM 4000 HZ
085 ⇔ 089	Reserved for future use	195 ⇔ 199	PWM 6000 HZ
090 ⇔ 094	Tilt reverse	200 ⇔ 204	PWM 15000 HZ
095 ⇔ 099	Reserved for future use	205 ⇔ 255	Reserved for future use
100 ⇔ 104	Disable tilt reverse		



#### Preset Color HTP

When preset color HTP is on, manual color controls may be used at the same time as preset color controls. When preset color HTP is off, preset color controls will override all manual color controls.

# DMX CHARTS



## COLORado PXL Curve 12

### LED Macro

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 015	No function	096 ⇔ 097	LED built-in 41	176 ⇔ 177	LED built-in 81
016 ⇔ 017	LED built-in 1	098 ⇔ 099	LED built-in 42	178 ⇔ 179	LED built-in 82
018 ⇔ 019	LED built-in 2	100 ⇔ 101	LED built-in 43	180 ⇔ 181	LED built-in 83
020 ⇔ 021	LED built-in 3	102 ⇔ 103	LED built-in 44	182 ⇔ 183	LED built-in 84
022 ⇔ 023	LED built-in 4	104 ⇔ 105	LED built-in 45	184 ⇔ 185	LED built-in 85
024 ⇔ 025	LED built-in 5	106 ⇔ 107	LED built-in 46	186 ⇔ 187	LED built-in 86
026 ⇔ 027	LED built-in 6	108 ⇔ 109	LED built-in 47	188 ⇔ 189	LED built-in 87
028 ⇔ 029	LED built-in 7	110 ⇔ 111	LED built-in 48	190 ⇔ 191	LED built-in 88
030 ⇔ 031	LED built-in 8	112 ⇔ 113	LED built-in 49	192 ⇔ 193	LED built-in 89
032 ⇔ 033	LED built-in 9	114 ⇔ 115	LED built-in 50	194 ⇔ 195	LED built-in 90
034 ⇔ 035	LED built-in 10	116 ⇔ 117	LED built-in 51	196 ⇔ 197	LED built-in 91
036 ⇔ 037	LED built-in 11	118 ⇔ 119	LED built-in 52	198 ⇔ 199	LED built-in 92
038 ⇔ 039	LED built-in 12	120 ⇔ 121	LED built-in 53	200 ⇔ 201	LED built-in 93
040 ⇔ 041	LED built-in 13	122 ⇔ 123	LED built-in 54	202 ⇔ 203	LED built-in 94
042 ⇔ 043	LED built-in 14	124 ⇔ 125	LED built-in 55	204 ⇔ 205	LED built-in 95
044 ⇔ 045	LED built-in 15	126 ⇔ 127	LED built-in 56	206 ⇔ 207	LED built-in 96
046 ⇔ 047	LED built-in 16	128 ⇔ 129	LED built-in 57	208 ⇔ 209	LED built-in 97
048 ⇔ 049	LED built-in 17	130 ⇔ 131	LED built-in 58	210 ⇔ 211	LED built-in 98
050 ⇔ 051	LED built-in 18	132 ⇔ 133	LED built-in 59	212 ⇔ 213	LED built-in 99
052 ⇔ 053	LED built-in 19	134 ⇔ 135	LED built-in 60	214 ⇔ 215	LED built-in 100
054 ⇔ 055	LED built-in 20	136 ⇔ 137	LED built-in 61	216 ⇔ 217	LED built-in 101
056 ⇔ 057	LED built-in 21	138 ⇔ 139	LED built-in 62	218 ⇔ 219	LED built-in 102
058 ⇔ 059	LED built-in 22	140 ⇔ 141	LED built-in 63	220 ⇔ 221	LED built-in 103
060 ⇔ 061	LED built-in 23	142 ⇔ 143	LED built-in 64	222 ⇔ 223	LED built-in 104
062 ⇔ 063	LED built-in 24	144 ⇔ 145	LED built-in 65	224 ⇔ 225	LED built-in 105
064 ⇔ 065	LED built-in 25	146 ⇔ 147	LED built-in 66	226 ⇔ 227	LED built-in 106
066 ⇔ 067	LED built-in 26	148 ⇔ 149	LED built-in 67	228 ⇔ 229	LED built-in 107
068 ⇔ 069	LED built-in 27	150 ⇔ 151	LED built-in 68	230 ⇔ 231	LED built-in 108
070 ⇔ 071	LED built-in 28	152 ⇔ 153	LED built-in 69	232 ⇔ 233	LED built-in 109
072 ⇔ 073	LED built-in 29	154 ⇔ 155	LED built-in 70	234 ⇔ 235	LED built-in 110
074 ⇔ 075	LED built-in 30	156 ⇔ 157	LED built-in 71	236 ⇔ 237	LED built-in 111
076 ⇔ 077	LED built-in 31	158 ⇔ 159	LED built-in 72	238 ⇔ 239	LED built-in 112
078 ⇔ 079	LED built-in 32	160 ⇔ 161	LED built-in 73	240 ⇔ 241	LED built-in 113
080 ⇔ 081	LED built-in 33	162 ⇔ 163	LED built-in 74	242 ⇔ 243	LED built-in 114
082 ⇔ 083	LED built-in 34	164 ⇔ 165	LED built-in 75	244 ⇔ 245	LED built-in 115
084 ⇔ 085	LED built-in 35	166 ⇔ 167	LED built-in 76	246 ⇔ 247	LED built-in 116
086 ⇔ 087	LED built-in 36	168 ⇔ 169	LED built-in 77	248 ⇔ 249	LED built-in 117
088 ⇔ 089	LED built-in 37	170 ⇔ 171	LED built-in 78	250 ⇔ 251	LED built-in 118
090 ⇔ 091	LED built-in 38	172 ⇔ 173	LED built-in 79	252 ⇔ 253	LED built-in 119
092 ⇔ 093	LED built-in 39	174 ⇔ 175	LED built-in 80	254 ⇔ 255	LED built-in 120
094 ⇔ 095	LED built-in 40				

Patterns

1	oooooooooooo	65	●●●●●●●●●●	129	●●●●●●●●●●	193	●oooooooo●●●●●
2	o●●●●●●●●●●	66	oo●●●●●●●●	130	●●●●●●●●●●	194	oooooooo●●●●●
3	●o●●●●●●●●	67	oo●●o●●●●●	131	●●●●●●●●●●	195	●oooooooo●●●●●
4	●●o●●●●●●●	68	oo●●o●●●●●	132	●●●●●●●●●●	196	●●oooooooo●●●●
5	●●●o●●●●●●	69	oo●●o●●●●●	133	●●●●●●●●●●	197	●●oooooooo●●●●
6	●●●●o●●●●●	70	oo●●o●●●●●	134	●●●●●●●●●●	198	●●●oooooooo●●●
7	●●●●●o●●●●	71	oo●●o●●●●●	135	●●●●●●●●●●	199	●●●oooooooo●●●
8	●●●●●●o●●●	72	oo●●o●●●●●	136	oooooooo●●●●●	200	o●●●●●●●●●●
9	●●●●●●●o●●	73	oo●●o●●●●●	137	●oooooooo●●●●●	201	oo●●●●●●●●●●
10	●●●●●●●●o●	74	oo●●o●●●●●	138	●●oooooooo●●●●	202	oo●●●●●●●●●●
11	●●●●●●●●●o	75	●oooooooo●●●●	139	●●oooooooo●●●●	203	oo●●●●●●●●●●
12	●●●●●●●●●●	76	●●oooooooo●●●●	140	●●oooooooo●●●●	204	oo●●●●●●●●●●
13	●●●●●●●●●o	77	●●oooooooo●●●●	141	●●oooooooo●●●●	205	oo●●●●●●●●●●
14	●●●●●●●●●●	78	●●●oooooooo●●●	142	●●oooooooo●●●●	206	oo●●●●●●●●●●
15	oo●●●●●●●●	79	●●●oooooooo●●●	143	●●oooooooo●●●●	207	●●●oooooooo●●●
16	●o●●●●●●●●	80	●●●oooooooo●●●	144	oo●●●●●●●●●●	208	oooooooo●●●●●
17	●●o●●●●●●●	81	●●●oooooooo●●●	145	oo●●●●●●●●●●	209	●oooooooo●●●●●
18	●●●o●●●●●●	82	●●●oooooooo●●●	146	oo●●●●●●●●●●	210	●●oooooooo●●●●
19	●●●●o●●●●●	83	●●●oooooooo●●●	147	oo●●●●●●●●●●	211	●●oooooooo●●●●
20	●●●●●o●●●●	84	oo●●●●●●●●●●	148	oooooooo●●●●●	212	●●●oooooooo●●●
21	●●●●●●o●●●	85	oo●●●●●●●●●●	149	oooooooo●●●●●	213	o●●●●●●●●●●
22	●●●●●●●o●●	86	oo●●●●●●●●●●	150	oooooooo●●●●●	214	oo●●●●●●●●●●
23	●●●●●●●●o●	87	●o●●●●●●●●●●	151	oooooooo●●●●●	215	oo●●●●●●●●●●
24	●●●●●●●●●o	88	●●o●●●●●●●●●	152	oooooooo●●●●●	216	oooooooo●●●●●
25	●●●●●●●●●●	89	●●●o●●●●●●●●	153	oooooooo●●●●●	217	oooooooo●●●●●
26	oo●●●●●●●●	90	●●●o●●●●●●●●	154	●oooooooo●●●●●	218	oooooooo●●●●●
27	o●o●●●●●●●	91	oo●●o●●●●●●●	155	●oooooooo●●●●●	219	oooooooo●●●●●
28	●o●o●●●●●●	92	●o●o●●●●●●●●	156	●oooooooo●●●●●	220	oooooooo●●●●●
29	●●o●o●●●●●	93	●●o●o●●o●●●●	157	●oooooooo●●●●●	221	●oooooooo●●●●●
30	●●●o●o●●●●	94	●●o●o●●o●●●●	158	●oooooooo●●●●●	222	●oooooooo●●●●●
31	●●●●o●o●●●	95	oo●●o●o●●●●●	159	●oooooooo●●●●●	223	●oooooooo●●●●●
32	●●●●●o●o●●	96	o●o●o●o●●●●●	160	●oooooooo●●●●●	224	o●●oooooooo●●●
33	●●●●●●o●o●	97	●o●o●o●o●●●●	161	●oooooooo●o●●●●	225	oo●●oooooooo●●
34	●●●●●●●o●o	98	●o●o●o●o●●●●	162	●oooooooo●o●●●●	226	oo●oooooooo●●●
35	●●●●●●●●o●	99	●o●o●o●o●●●●	163	●oooooooo●o●●●●	227	oooo●oooooooo●
36	●●●●●●●●●o	100	●o●o●o●o●●●●	164	●o●o●o●o●●●●	228	oooooooo●o●o●o
37	oooooooo●o●o	101	●o●o●o●o●●●●	165	●o●o●o●o●●●●	229	oooooooo●o●o●o
38	o●oooooooo●o	102	oo●o●o●o●●●●	166	oooooooo●o●o●o	230	oooooooo●o●o●o
39	oo●oooooooo●	103	oo●o●o●o●●●●	167	oooooooo●o●o●o	231	oooooooo●o●o●o
40	●o●oooooooo●	104	oo●o●o●o●●●●	168	●oooooooo●o●o●o	232	oooooooooooooooo●
41	●●o●oooooooo	105	oo●o●o●o●●●●	169	●oooooooo●o●o●o	233	●oooooooooooooooo
42	●●●o●oooooooo	106	oo●o●o●o●●●●	170	●oooooooo●o●o●o	234	●oooooooooooooooo
43	●●●●o●oooooooo	107	oo●o●o●o●●●●	171	●oooooooo●o●o●o	235	o●oooooooooooooooo
44	●●●●●o●ooooo	108	oo●o●o●o●●●●	172	●oooooooo●o●o●o	236	oo●ooooooooooooo
45	●●●●●●o●oooo	109	●o●o●o●o●●●●	173	oo●ooooooooooooo	237	oo●ooooooooooooo
46	oo●●oooooooo●	110	oo●o●o●o●●●●	174	oo●ooooooooooooo	238	oooo●ooooooooooo
47	o●oooooooooo●	111	oo●o●o●o●●●●	175	oo●ooooooooooooo	239	oooooooo●oooooooo
48	●o●oooooooooo	112	oo●o●o●o●●●●	176	oo●ooooooooooooo	240	oooooooo●oooooooo
49	●●o●oooooooooo	113	oo●o●o●o●●●●	177	oo●ooooooooooooo	241	oooooooo●oooooooo
50	●●●o●ooooooo	114	oo●o●o●o●●●●	178	oo●o●o●o●o●●●	242	oooooooo●o●o●o
51	●●●●o●oooooo	115	oo●o●o●o●●●●	179	●o●o●o●o●o●●●	243	oooooooo●o●o●o
52	●●●●●o●ooooo	116	●o●o●o●o●o●●●	180	●o●o●o●o●o●●●	244	oooooooooooooooo●
53	●●●●●●o●oooo	117	●o●o●o●o●o●●●	181	●o●o●o●o●o●●●	245	●oooooooooooooooo
54	●●●●●●●o●ooo	118	●o●o●o●o●o●●●	182	oo●o●o●o●o●o●	246	o●oooooooooooooooo
55	●●●●●●●●o●oo	119	●o●o●o●o●o●●●	183	oo●o●o●o●o●o●	247	oo●ooooooooooooo
56	oo●●oooooooo●	120	●o●o●o●o●o●●●	184	oooooooo●o●o●o	248	oo●ooooooooooooo
57	o●oooooooooo●	121	●o●o●o●o●o●●●	185	oooooooo●o●o●o	249	oo●ooooooooooooo
58	oo●oooooooooo	122	●o●o●o●o●o●●●	186	oooooooo●o●o●o	250	oooooooo●o●o●o
59	o●o●oooooo●●	123	●o●o●o●o●o●●●	187	oooooooo●o●o●o	251	●oooooooooooooooo
60	●o●o●oooooo●	124	●o●o●o●o●o●●●	188	oooooooo●o●o●o	252	o●oooooooooooooooo
61	●●o●o●oooo●●	125	●o●o●o●o●o●●●	189	●oooooooo●o●o●o	253	oo●ooooooooooooo
62	●●●o●o●oooo●	126	●o●o●o●o●o●●●	190	●oooooooo●o●o●o	254	oo●ooooooooooooo
63	●●●●o●o●oooo	127	●o●o●o●o●o●●●	191	●oooooooo●o●o●o	255	oo●ooooooooooooo
64	●●●●●o●o●ooo	128	●o●o●o●o●o●●●	192	●oooooooo●o●o●o	256	ooooooooooooooooo