DMX CHART

Astera Titan Tube

Model FP1 · Prepared by Krank'd · krankd.com.au

Hire this fixture from Krank'd

1: RGB | 2: RGBW | 3: RGBAW | 4: DIM RGB | 5: DIM RGBW | 6: DIM RGBAW | 7: RGB CCT DIM IND | 91: D16 CCT GM C RGB

Profile 1: RGB (Pixel = 1; Strobe = Off)

1: RGB	VALUE	FUNCTION
1	000-255	**Intensity Red** · Intensity Red (0% → 100%)
2	000-255	**Intensity Green** · Intensity Green (0% → 100%)
3	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)

Profile 2: RGBW (Pixel = 1; Strobe = Off)

2: RGBW	VALUE	FUNCTION
1	000-255	**Intensity Red** · Intensity Red (0% → 100%)
2	000-255	**Intensity Green** · Intensity Green (0% → 100%)
3	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)
4	000-255	**Intensity Emulated White** · Intensity Emulated White (0% → 100%)

Profile 3: RGBAW (Pixel = 1; Strobe = Off)

3: RGBAW	VALUE	FUNCTION
1	000-255	**Intensity Red** · Intensity Red (0% → 100%)
2	000-255	**Intensity Green** · Intensity Green (0% → 100%)
3	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)
4	000-255	**Intensity Amber** · Intensity Amber (0% → 100%)
5	000-255	**Intensity Emulated White** · Intensity Emulated White (0% → 100%)

Profile 4: DIM RGB (Pixel = 1; Strobe = Off)

4: DIM RGB	VALUE	FUNCTION
1	000-255	**Dimmer** · Dimmer (closed → open)
2	000-255	**Intensity Red** · Intensity Red (0% → 100%)
3	000-255	**Intensity Green** · Intensity Green (0% → 100%)
4	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)

Profile 5: DIM RGBW (Pixel = 1; Strobe = Off)

5: DIM RGBW	VALUE	FUNCTION
1	000-255	**Dimmer** · Dimmer (closed → open)
2	000-255	**Intensity Red** · Intensity Red (0% → 100%)
3	000-255	**Intensity Green** · Intensity Green (0% → 100%)
4	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)

5: DIM RGBW	VALUE	FUNCTION
5	000-255	**Intensity Emulated White** · Intensity Emulated White (0% → 100%)

Profile 6: DIM RGBAW (Pixel = 1; Strobe = Off)

6: DIM RGBAW	VALUE	FUNCTION
1	000-255	**Dimmer** · Dimmer (closed → open)
2	000-255	**Intensity Red** · Intensity Red (0% → 100%)
3	000-255	**Intensity Green** · Intensity Green (0% → 100%)
4	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)
5	000-255	**Intensity Amber** · Intensity Amber (0% → 100%)
6	000-255	**Intensity Emulated White** · Intensity Emulated White (0% → 100%)

Profile 7: RGB CCT DIM IND (Pixel = 1; Strobe = Off)

7: RGB CCT DIM IND	VALUE	FUNCTION
1	000-255	**Intensity Red** · Intensity Red (0% → 100%)
2	000-255	**Intensity Green** · Intensity Green (0% → 100%)
3	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)
4		**Color Temperature (CCT)**
	000-004	No effect (source: 0-4)
	005-255	Display color temperature (source: 4-255). Formular: CCT = 2000 + 20*DMX-Value. Example: 50 → 3000K, 100 → 4000K, 150 → 5000K. *CCT overwrites the RGB setting
5	000-255	**Dimmer** · Dimmer (closed → open)
6		**Index Colors**
	000-001	No effect
	002-255	Display Index Colors (full list at the end of this document). *Index Colors overwrites both, RGB and CCT

Profile 91: D16 CCT GM C RGB (Pixel = 1; Strobe = Off)

91: D16 CCT GM C RGB	VALUE	FUNCTION
1	000-255	**Dimmer (16-bit coarse)** · Dimmer, closed → open (0–65535)
2	000-255	**Dimmer (16-bit fine)** · Dimmer, closed → open (0–65535)
3	000-255	**Color Temperature (CCT)** · Formular: CCT = 1750 + 32*DMX-Value. Example: 45 → 3190K, 70 → 3990K, 117 → 5494K
4		**Green / Magenta Point**
	000-004	No effect
	005-255	-96.1% → 100%. Formular: G/M = 100% * (DMX-Value/128 - 1)
5	000-255	**Crossfade** · Crossfade (0 full CCT, 255 full RGB, smooth fade)
6	000-255	**Intensity Red** · Intensity Red (0% → 100%)
7	000-255	**Intensity Green** · Intensity Green (0% → 100%)

91: D16 CCT GM C RGB	VALUE	FUNCTION
8	000-255	**Intensity Blue** · Intensity Blue (0% → 100%)

DMX profile index

PROFILE	NAME	CHANNELS
1 PIXEL		
8	8: RGBS	4 ch
9	9: RGBWS	5 ch
10	10: RGBAWS	6 ch
11	11: DIM RGBS	5 ch
12	12: DIM RGBWS	6 ch
13	13: DIM RGBAWS	7 ch
14	14: RGB CCT DIM IND S	7 ch
89	89: D CCT GM CRO RGB	7 ch
90	90: D CCT GM HUE SAT	5 ch
92	92: D16 CCT GM H SAT	7 ch
93	93: D16 X Y	6 ch
94	94: D CCT GM CRO RGB S	8 ch
95	95: D CCT GM HUE SAT S	6 ch
96	96: D16 CCT GM H SAT S	8 ch
97	97: D16 X Y S	7 ch
137	137: D16 CCT GM C RGB S	9 ch
168	168: D CCT GM C CRO XY	8 ch
169	169: D16 CCT GM C CRO XY	9 ch
170	170: D CCT GM C CRO XY S	9 ch
171	171: D16 CCT GM C CRO XY S	10 ch
EFFECT		
15	15: Effect Mode Fix	13 ch
16	16: Effect Mode RGB	21 ch
4 PIXELS		
17	17: RGB*RGB*	16 ch
18	18: RGB RGB	12 ch
19	19: RGBW RGBW	16 ch
20	20: RGBAW RGBAW	20 ch
21	21: DIM RGB DIM RGB	16 ch
22	22: DIM RGBW DIM RGBW	20 ch
23	23: DIM RGBAW DIM RGBAW	24 ch
24	24: RGB CCT DIM IND	24 ch
25	25: RGB*RGBS	16 ch
26	26: RGB RGB S	13 ch
27	27: RGBW RGBW S	17 ch
28	28: RGBAW RGBAW S	21 ch
29	29: DIM RGB DIM RGB S	17 ch
30	30: DIM RGBW DIM RGBW S	21 ch
31	31 DIM RGBAW RGBAW S	25 ch

PROFILE	NAME	CHANNELS
32	32: RGB CCT DIM IND S	25 ch
33	33: RGBS RGBS	16 ch
34	34: RGB RGB SS	16 ch
35	35: RGBWS RGBWS	20 ch
36	36: RGBAWS RGBAWS	24 ch
37	37: DIM RGBS DIM RGBS	20 ch
38	38: DIM RGBWS DIM RGBWS	24 ch
39	39: DIM RGBAWS DIM RGBAWS	28 ch
40	40: RGB CCT DIM IND S	28 ch
98	98: D CCT GM CRO RGB	28 ch
99	99: D CCT GM HUE SAT	20 ch
100	100: D16 CCT GM C RGB	32 ch
101	101: D16 CCT GM H SAT	28 ch
102	102: D16 X Y	24 ch
103	103: D CCT GM CRO RGB S	29 ch
104	104: D CCT GM HUE SAT S	21 ch
105	105: D16 CCT GM H SAT S	29 ch
106	106: D16 X Y S	25 ch
107	107: D CCT GM CRO RGB S	32 ch
108	108: D CCT GM HUE SAT S	24 ch
109	109: D16 CCT GM H SAT S	32 ch
110	110: D16 X Y S	28 ch
138	138: D16 CCT GM C RGB S	33 ch
139	139: D16 CCT GM C RGB S	36 ch
178	178: D CCT GM C CRO XY	32 ch
179	179: D16 CCT GM C CRO XY	36 ch
180	180: D CCT GM C CRO XY S	33 ch
181	181: D16 CCT GM C CRO XY S	37 ch
182	182: D CCT GM C CRO XY S	36 ch
183	183: D16 CCT GM C CRO XY S	40 ch
16 PIXELS		
41	41: RGB*RGB*	64 ch
42	42: RGB RGB	48 ch
43	43: RGBW RGBW	64 ch
44	44: RGBAW RGBAW	80 ch
45	45: DIM RGB DIM RGB	64 ch
46	46: DIM RGBW DIM RGBW	80 ch
47	47: DIM RGBAW DIM RGBAW	96 ch
48	48: RGB CCT DIM IND	96 ch
49	49: RGB*RGBS	64 ch
50	50: RGB*RGB S	49 ch
51	51: RGBW RGBW S	65 ch
52	52: RGBAW RGBAW S	81 ch
53	53: DIM RGB DIM RGB S	65 ch
54	54: DIM RGBW DIM RGBW S	81 ch
55	55: DIM RGBAW RGBAW S	97 ch

PROFILE	NAME	CHANNELS
56	56: RGB CCT DIM IND S	97 ch
57	57: RGBS RGBS	64 ch
58	58: RGB RGB SS	64 ch
59	59: RGBWS RGBWS	80 ch
60	60: RGBAWS RGBAWS	96 ch
61	61: DIM RGBS DIM RGBS	80 ch
62	62: DIM RGBWS DIM RGBWS	96 ch
63	63: DIM RGBAWS DIM RGBAWS	112 ch
64	64: RGB CCT DIM IND S	112 ch
111	111: D CCT GM CRO RGB	112 ch
112	112: D CCT GM HUE SAT	80 ch
113	113: D16 CCT GM C RGB	128 ch
114	114: D16 CCT GM H SAT	112 ch
115	115: D16 X Y	96 ch
116	116: D CCT GM CRO RGB S	113 ch
117	117: D CCT GM HUE SAT S	81 ch
118	118: D16 CCT GM H SAT S	113 ch
119	119: D16 X Y S	97 ch
120	120: D CCT GM CRO RGB S	128 ch
121	121: D CCT GM HUE SAT S	96 ch
122	122: D16 CCT GM H SAT S	128 ch
123	123: D16 X Y S	112 ch
140	140: D16 CCT GM C RGB S	129 ch
141	141: D16 CCT GM C RGB S	144 ch
190	190: D CCT GM C CRO XY	128 ch
191	191: D16 CCT GM C CRO XY	144 ch
192	192: D CCT GM C CRO XY S	129 ch
193	193: D16 CCT GM C CRO XY S	145 ch
194	194: D CCT GM C CRO XY S	144 ch
195	195: D16 CCT GM C CRO XY S	160 ch
8 PIXELS		
65	65: RGB*RGB*	32 ch
66	66: RGB RGB	24 ch
67	67: RGBW RGBW	32 ch
68	68: RGBAW RGBAW	40 ch
69	69: DIM RGB DIM RGB	32 ch
70	70: DIM RGBW DIM RGBW	40 ch
71	71: DIM RGBAW DIM RGBAW	48 ch
72	72: RGB CCT DIM IND	48 ch
73	73: RGB*RGBS	32 ch
74	74: RGB RGB S	25 ch
75	75: RGBW RGBW S	33 ch
76	76: RGBAW RGBAW S	41 ch
77	77: DIM RGB DIM RGB S	33 ch
78	78: DIM RGBW DIM RGBW S	41 ch
79	79: DIM RGBAW RGBAW S	49 ch

PROFILE	NAME	CHANNELS
80	80: RGB CCT DIM IND S	49 ch
81	81: RGBS RGBS	32 ch
82	82: RGB RGB SS	32 ch
83	83: RGBWS RGBWS	40 ch
84	84: RGBAWS RGBAWS	48 ch
85	85: DIM RGBS DIM RGBS	40 ch
86	86: DIM RGBWS DIM RGBWS	48 ch
87	87: DIM RGBAWS RGBAWS	56 ch
88	88: RGB CCT DIM IND S	56 ch
124	124: D CCT GM CRO RGB	56 ch
125	125: D CCT GM HUE SAT	40 ch
126	126: D16 CCT GM C RGB	64 ch
127	127: D16 CCT GM H SAT	56 ch
128	128: D16 X Y	48 ch
129	129: D CCT GM CRO RGB S	57 ch
130	130: D CCT GM HUE SAT S	41 ch
131	131: D16 CCT GM H SAT S	57 ch
132	132: D16 X Y S	49 ch
133	133: D CCT GM CRO RGB S	64 ch
134	134: D CCT GM HUE SAT S	48 ch
135	135: D16 CCT GM H SAT S	64 ch
136	136: D16 X Y S	56 ch
142	142: D16 CCT GM C RGB S	65 ch
143	143: D16 CCT GM C RGB S	72 ch
184	184: D CCT GM C CRO XY	64 ch
185	185: D16 CCT GM C CRO XY	72 ch
186	186: D CCT GM C CRO XY S	65 ch
187	187: D16 CCT GM C CRO XY S	73 ch
188	188: D CCT GM C CRO XY S	72 ch
189	189: D16 CCT GM C CRO XY S	80 ch

Source: gdtf:astera-titan-tube.gdtf rid 62997. Channel counts are the DMX block each profile occupies.

※ Selected single-pixel profiles. The full profile set is in the Astera DMX Profiles document and the AsteraApp.

※ The profile list on this page covers every profile in Astera's own GDTF file. Each channel count is the DMX block the profile takes, pixel profiles included. The channel tables are the single-pixel profiles.