EK Lights

COLLIDER FC



Manufacturer	**EK Lights**
Type	**Effect light**
DMX modes	**9**
DMX footprint	**4, 8, 11, 15, 27, 215 channels**
Beam angle	**100°**
Size (W × H × D)	**431 × 159 × 55 mm**
GDTF fixture type	**5E136299-F1F5-440A-A1E8-FF4...**

Controls

Extra LED colours · RGB colour mixing · Effect speed · Strobe · Dimmer

Safety-relevant functions

Built-in effect programmes

DMX modes

BASIC - PIXEL	4 ch
BASIC - STATIC	4 ch
BASIC - STROBE	4 ch
PIXELS - PIXEL12	4 ch
BASIC - RGBW STROBE	8 ch
ADVANCED - ADVANCED 2	11 ch
ADVANCED - ADVANCED 1	15 ch
ADVANCED - ADVANCED 3	27 ch
ADVANCED - ADVANCED 4	215 ch

BASIC - PIXEL

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	255	

BASIC - STATIC

4 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	

BASIC - STROBE

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	0	
3	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 1–14.9 Hz 255–255 Strobe · Max 15 Hz
4	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes

PIXELS - PIXEL12

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	0	
3	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 1–14.9 Hz 255–255 Strobe · Max 15 Hz
4	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes

BASIC - RGBW STROBE

8 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	255	
5	Dimmer	0	0–254 Closed 255–255 Open
6	Strobe Duration	0	
7	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 1–14.9 Hz 255–255 Strobe · Max 15 Hz
8	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes

ADVANCED - ADVANCED 2

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	255	0–30 Closed 31–99 Strobe · Min 0.5–29.6 Hz 100–100 Strobe · Max 30 Hz 101–130 Open 131–199 StrobeRandom · Min 0.5–29.6 Hz 200–200 StrobeRandom · Max 30 Hz 201–255 Open
3	B GDimmer	0	0–254 Closed 255–255 Open
4	B GShutter	255	0–30 Closed 31–99 Min 100–100 Max 101–130 Open 131–199 Min 200–200 Max 201–255 Open
5	B GRed	0	
6	B GGreen	0	
7	B GBlue	0	
8	B GWhite	0	

ADVANCED - ADVANCED 2 (continued)

Ch	Function	Default	DMX values
9	Effect	0	0–10 No Function 11–15 FX1 16–20 FX2 21–25 FX3 26–30 FX4 31–35 FX5 36–40 FX6 41–45 FX7 46–50 FX8 51–55 FX9 56–60 FX10 61–65 FX11 66–70 FX12 71–75 FX13 76–80 FX14 81–85 FX15 86–90 FX16 91–95 FX17 96–100 FX18 101–105 FX19 106–110 FX20 111–115 FX21 116–120 FX22 121–125 FX23 126–205 RESERVED(TBD) 206–255 Random pixel(with density)
10	Effect Speed	0	0–50 Static indexing 51–255 From slow to fast
11	Dimmer Mode	0	0–51 From Menu 52–101 Mode Off 102–152 Mode 1 153–203 Mode 2 204–255 Mode 3

ADVANCED - ADVANCED 1

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	255	0–30 Closed 31–99 Strobe · Min 0.5–29.6 Hz 100–100 Strobe · Max 30 Hz 101–130 Open 131–199 StrobeRandom · Min 0.5–29.6 Hz 200–200 StrobeRandom · Max 30 Hz 201–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	255	
7	B GDimmer	0	
8	B GShutter	0	0–30 Closed 31–99 Min 100–100 Max 101–130 Open 131–199 Min 200–200 Max 201–255 Open

ADVANCED - ADVANCED 1 (continued)

Ch	Function	Default	DMX values
9	B GRed	0	
10	B GGreen	0	
11	B GBlue	0	
12	B GWhite	0	
13	Effect	0	0–10 No Function 11–15 FX1 16–20 FX2 21–25 FX3 26–30 FX4 31–35 FX5 36–40 FX6 41–45 FX7 46–50 FX8 51–55 FX9 56–60 FX10 61–65 FX11 66–70 FX12 71–75 FX13 76–80 FX14 81–85 FX15 86–90 FX16 91–95 FX17 96–100 FX18 101–105 FX19 106–110 FX20 111–115 FX21 116–120 FX22 121–125 FX23 126–205 RESERVED(TBD) 206–255 Random pixel(with density)
14	Effect Speed	0	0–50 Static indexing 51–255 From slow to fast
15	Dimmer Mode	0	0–51 From Menu 52–101 Mode Off 102–152 Mode 1 153–203 Mode 2 204–255 Mode 3

ADVANCED - ADVANCED 3

27 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	255	0–30 Closed 31–99 Strobe · Min 0.5–29.6 Hz 100–100 Strobe · Max 30 Hz 101–130 Open 131–199 StrobeRandom · Min 0.5–29.6 Hz 200–200 StrobeRandom · Max 30 Hz 201–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	255	
7	B GDimmer	0	

ADVANCED - ADVANCED 3 (continued)

Ch	Function	Default	DMX values
8	B GShutter	255	0–30 Closed 31–99 Min 100–100 Max 101–130 Open 131–199 Min 200–200 Max 201–255 Open
9	B GRed	0	
10	B GGreen	0	
11	B GBlue	0	
12	B GWhite	0	
13	Layer2Dimmer	0	0–254 Closed 255–255 Open
14	Layer2Shutter	255	0–30 Closed 31–99 Min 100–100 Max 101–130 Open 131–199 Min 200–200 Max 201–255 Open
15	Layer2R	0	
16	Layer2G	0	
17	Layer2B	0	
18	Layer2W	0	
19	Layer2FX	0	0–10 No Function 11–15 FX1 16–20 FX2 21–25 FX3 26–30 FX4 31–35 FX5 36–40 FX6 41–45 FX7 46–50 FX8 51–55 FX9 56–60 FX10 61–65 FX11 66–70 FX12 71–75 FX13 76–80 FX14 81–85 FX15 86–90 FX16 91–95 FX17 96–100 FX18 101–105 FX19 106–110 FX20 111–115 FX21 116–120 FX22 121–125 FX23 126–205 RESERVED(TBD) 206–255 Random pixel(with density)
20	Layer2FXSpeed	0	0–50 Static indexing 51–255 From slow to fast
21	Layer2FXOffset	0	

ADVANCED - ADVANCED 3 (continued)

Ch	Function	Default	DMX values
22	Layer1FX	0	0–10 No Function 11–15 FX1 16–20 FX2 21–25 FX3 26–30 FX4 31–35 FX5 36–40 FX6 41–45 FX7 46–50 FX8 51–55 FX9 56–60 FX10 61–65 FX11 66–70 FX12 71–75 FX13 76–80 FX14 81–85 FX15 86–90 FX16 91–95 FX17 96–100 FX18 101–105 FX19 106–110 FX20 111–115 FX21 116–120 FX22 121–125 FX23 126–205 RESERVED(TBD) 206–255 Random pixel(with density)
23	Layer1FXSpeed	0	0–50 Static indexing 51–255 From slow to fast
24	Layer1FXOffset	0	
25	Empty	0	
26	Empty2	0	
27	Dimmer Mode	0	0–51 From Menu 52–101 Mode Off 102–152 Mode 1 153–203 Mode 2 204–255 Mode 3

ADVANCED - ADVANCED 4

215 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	255	0–30 Closed 31–99 Strobe · Min 0.5–29.6 Hz 100–100 Strobe · Max 30 Hz 101–130 Open 131–199 StrobeRandom · Min 0.5–29.6 Hz 200–200 StrobeRandom · Max 30 Hz 201–255 Open
3	Blue	255	
4	White	255	
5	Reserved 5	0	
6	Reserved 6	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	

ADVANCED - ADVANCED 4 (continued)

Ch	Function	Default	DMX values
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	

ADVANCED - ADVANCED 4 (continued)

Ch	Function	Default	DMX values
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	

ADVANCED - ADVANCED 4 (continued)

Ch	Function	Default	DMX values
101	Reserved 101	0	
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	
111	Reserved 111	0	
112	Reserved 112	0	
113	Reserved 113	0	
114	Reserved 114	0	
115	Reserved 115	0	
116	Reserved 116	0	
117	Reserved 117	0	
118	Reserved 118	0	
119	Reserved 119	0	
120	Reserved 120	0	
121	Reserved 121	0	
122	Reserved 122	0	
123	Reserved 123	0	
124	Reserved 124	0	
125	Reserved 125	0	
126	Reserved 126	0	
127	Reserved 127	0	
128	Reserved 128	0	
129	Reserved 129	0	
130	Reserved 130	0	
131	Reserved 131	0	
132	Reserved 132	0	
133	Reserved 133	0	
134	Reserved 134	0	
135	Reserved 135	0	
136	Reserved 136	0	
137	Reserved 137	0	
138	Reserved 138	0	
139	Reserved 139	0	
140	Reserved 140	0	
141	Reserved 141	0	
142	Reserved 142	0	
143	Reserved 143	0	
144	Reserved 144	0	
145	Reserved 145	0	

ADVANCED - ADVANCED 4 (continued)

Ch	Function	Default	DMX values
146	Reserved 146	0	
147	Reserved 147	0	
148	Reserved 148	0	
149	Reserved 149	0	
150	Reserved 150	0	
151	Reserved 151	0	
152	Reserved 152	0	
153	Reserved 153	0	
154	Reserved 154	0	
155	Reserved 155	0	
156	Reserved 156	0	
157	Reserved 157	0	
158	Reserved 158	0	
159	Reserved 159	0	
160	Reserved 160	0	
161	Reserved 161	0	
162	Reserved 162	0	
163	Reserved 163	0	
164	Reserved 164	0	
165	Reserved 165	0	
166	Reserved 166	0	
167	Reserved 167	0	
168	Reserved 168	0	
169	Reserved 169	0	
170	Reserved 170	0	
171	Reserved 171	0	
172	Reserved 172	0	
173	Reserved 173	0	
174	Reserved 174	0	
175	Reserved 175	0	
176	Reserved 176	0	
177	Reserved 177	0	
178	Reserved 178	0	
179	Reserved 179	0	
180	Reserved 180	0	
181	Reserved 181	0	
182	Reserved 182	0	
183	Reserved 183	0	
184	Reserved 184	0	
185	Reserved 185	0	
186	Reserved 186	0	
187	Reserved 187	0	
188	Reserved 188	0	
189	Reserved 189	0	
190	Reserved 190	0	

ADVANCED - ADVANCED 4 (continued)

Ch	Function	Default	DMX values
191	Reserved 191	0	
192	Reserved 192	0	
193	Reserved 193	0	
194	Reserved 194	0	
195	B GDimmer	0	
196	B GShutter	255	
197	B GRed	0	
198	B GGreen	0	
199	B GBlue	0	
200	B GWhite	0	
201	Layer2Dimmer	0	
202	Layer2Shutter	255	
203	Layer2R	0	
204	Layer2G	0	
205	Layer2B	0	
206	Layer2W	0	
207	Layer2FX	0	
208	Layer2FXSpeed	0	
209	Layer2FXOffset	0	
210	Layer1FX	0	
211	Layer1FXSpeed	0	
212	Layer1FXOffset	0	
213	Empty	0	
214	Empty2	0	
215	Dimmer Mode	0	