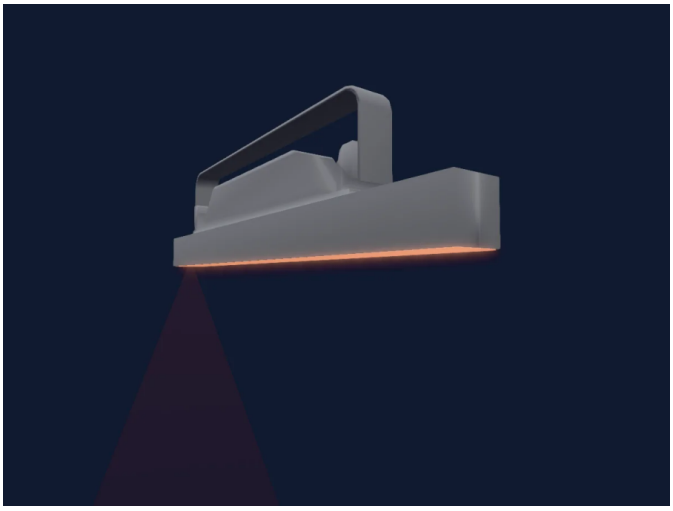
EK Lights

COLLIDER BAR FC



Manufacturer	**EK Lights**
Type	**Effect light**
DMX modes	**7**
DMX footprint	**4, 8, 15, 27, 87 channels**
Beam angle	**40°**
Heads / cells	**3**
Size (W × H × D)	**684 × 137 × 55 mm**
GDTF fixture type	**5D52A77D-DA3A-40FD-9CE8-8…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

Basic-Pixel	4 ch
Basic-Strobe	8 ch
Pixels-Pixels	8 ch
Advanced 1	15 ch
Advanced 2	15 ch
Advanced 3	27 ch
Advanced 4	87 ch

Basic-Pixel

4 channels

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

Basic-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	128	0–127 15ms 128–254 570ms 255–255 990ms
7	Strobe Rate	0	0–10 Open 11–132 Slow 133–254 Medium 255–255 Fast
8	Shutter1Strobe Effect	3	0–2 No Effects 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Pulse Random 172–214 Lightning 215–255 Spikes

Pixels-Pixels

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	128	0–127 15ms 128–254 570ms 255–255 990ms
3	Strobe Rate	0	0–10 Open 11–132 Slow 133–254 Medium 255–255 Fast
4	Shutter1Strobe Effect	3	0–2 No Effects 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Pulse Random 172–214 Lightning 215–255 Spikes
5	Red	255	
6	Green	255	
7	Blue	255	

Pixels-Pixels (continued)

Ch	Function	Default	DMX values
8	White	255	

Advanced 1

15 channels

Ch	Function	Default	DMX values
1	Dimmer	255	0–254 Closed 255–255 Open
2	Shutter / Strobe	255	0–30 FG Closed 31–53 FG Strobe Slow 54–76 FG Strobe Med 77–100 FG Strobe Fast 101–130 FG Open 1 131–153 Random Strobe · FG Rand Slow 1–10.6 Hz 154–176 Random Strobe · FG Rand Med 11–20.6 Hz 177–200 Random Strobe · FG Rand Fast 21–31 Hz 201–255 FG Open 2
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	255	
7	Dimmer	0	0–254 Closed 255–255 Open
8	Shutter / Strobe 2	255	0–30 BG Closed 31–53 BG Strobe Slow 54–76 BG Strobe Med 77–100 BG Strobe Fast 101–130 BG Open 1 131–153 Random Strobe · BG Rand Slow 1–10.6 Hz 154–176 Random Strobe · BG Rand Med 11–20.6 Hz 177–200 Random Strobe · BG Rand Fast 21–31 Hz 201–255 BG Open 2
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	

Advanced 1 (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–10 Open 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 NoFeature 1 206–254 Min 255–255 Max
14	Effect Speed	153	0–24 Min 25–49 Middle 50–50 Max 51–118 Slow 119–186 Med 187–255 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 2

15 channels

Ch	Function	Default	DMX values
1	Dimmer	255	0–254 Closed 255–255 Open
2	Shutter / Strobe	255	0–30 FG Closed 31–53 FG Strobe Slow 54–76 FG Strobe Med 77–100 FG Strobe Fast 101–130 FG Open 1 131–153 Random Strobe · FG Rand Slow 1–10.6 Hz 154–176 Random Strobe · FG Rand Med 11–20.6 Hz 177–200 Random Strobe · FG Rand Fast 21–31 Hz 201–255 FG Open 2
3	Dimmer	0	0–254 Closed 255–255 Open

Advanced 2 (continued)

Ch	Function	Default	DMX values
4	Shutter / Strobe 2	255	0–30 BG Closed 31–53 BG Strobe Slow 54–76 BG Strobe Med 77–100 BG Strobe Fast 101–130 BG Open 1 131–153 Random Strobe · BG Rand Slow 1–10.6 Hz 154–176 Random Strobe · BG Rand Med 11–20.6 Hz 177–200 Random Strobe · BG Rand Fast 21–31 Hz 201–255 BG Open 2
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	
9	Effect	0	0–10 Open 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 NoFeature 1 206–254 Min 255–255 Max
10	Effect Speed	153	0–24 Min 25–49 Middle 50–50 Max 51–118 Slow 119–186 Med 187–255 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
12	Red	255	
13	Green	255	
14	Blue	255	
15	White	255	

Advanced 3

27 channels

Ch	Function	Default	DMX values
1	Dimmer	255	0–254 Closed 255–255 Open
2	Shutter / Strobe	255	0–30 FG Closed 31–53 FG Strobe Slow 54–76 FG Strobe Med 77–100 FG Strobe Fast 101–130 FG Open 1 131–153 Random Strobe · FG Rand Slow 1–10.6 Hz 154–176 Random Strobe · FG Rand Med 11–20.6 Hz 177–200 Random Strobe · FG Rand Fast 21–31 Hz 201–255 FG Open 2
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	255	
7	Dimmer	0	0–254 Closed 255–255 Open
8	Shutter / Strobe 2	255	0–30 BG Closed 31–53 BG Strobe Slow 54–76 BG Strobe Med 77–100 BG Strobe Fast 101–130 BG Open 1 131–153 Random Strobe · BG Rand Slow 1–10.6 Hz 154–176 Random Strobe · BG Rand Med 11–20.6 Hz 177–200 Random Strobe · BG Rand Fast 21–31 Hz 201–255 BG Open 2
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Dimmer	0	0–254 Closed 255–255 Open
14	Shutter / Strobe 3	255	0–30 L1 Closed 31–53 L1 Strobe Slow 54–76 L1 Strobe Med 77–100 L1 Strobe Fast 101–130 L1 Open 1 131–153 Random Strobe · L1 Rand Slow 1–10.6 Hz 154–176 Random Strobe · L1 Rand Med 11–20.6 Hz 177–200 Random Strobe · L1 Rand Fast 21–31 Hz 201–255 L1 Open 2
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	255	

Advanced 3 (continued)

Ch	Function	Default	DMX values
19	Effect 2	0	0–10 Open 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 NoFeature 1 206–254 Min 255–255 Max
20	Effect Speed 2	153	0–24 Min 25–49 Middle 50–50 Max 51–118 Slow 119–186 Med 187–255 Fast
21	Effects Sync	0	0–199 L1 Min 200–200 L1 Max 201–254 L1 Min 255–255 L1 Max

Advanced 3 (continued)

Ch	Function	Default	DMX values
22	Effect	0	0–10 Open 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 NoFeature 1 206–254 Min 255–255 Max
23	Effect Speed	153	0–24 Min 25–49 Middle 50–50 Max 51–118 Slow 119–186 Med 187–255 Fast
24	Effects Sync	0	0–199 FG Min 200–200 FG Max 201–254 FG Min 255–255 FG Max
25	No Feature	0	
26	Dummy	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 4

87 channels

Ch	Function	Default	DMX values
1	Dimmer	255	
2	Shutter / Strobe	255	0–30 FG Closed 31–53 FG Strobe Slow 54–76 FG Strobe Med 77–100 FG Strobe Fast 101–130 FG Open 1 131–153 Random Strobe · FG Rand Slow 1–10.6 Hz 154–176 Random Strobe · FG Rand Med 11–20.6 Hz 177–200 Random Strobe · FG Rand Fast 21–31 Hz 201–255 FG Open 2
3	Red	255	

Advanced 4 (continued)

Ch	Function	Default	DMX values
4	Green	255	
5	Blue	255	
6	White	255	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
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	

Advanced 4 (continued)

Ch	Function	Default	DMX values
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	
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	Dimmer	0	
68	Shutter / Strobe 2	255	0–30 BG Closed 31–53 BG Strobe Slow 54–76 BG Strobe Med 77–100 BG Strobe Fast 101–130 BG Open 1 131–153 Random Strobe · BG Rand Slow 1–10.6 Hz 154–176 Random Strobe · BG Rand Med 11–20.6 Hz 177–200 Random Strobe · BG Rand Fast 21–31 Hz 201–255 BG Open 2
69	Red	255	
70	Green	255	
71	Blue	255	
72	White	255	
73	Dimmer	0	
74	Shutter / Strobe 3	255	0–30 L1 Closed 31–53 L1 Strobe Slow 54–76 L1 Strobe Med 77–100 L1 Strobe Fast 101–130 L1 Open 1 131–153 Random Strobe · L1 Rand Slow 1–10.6 Hz 154–176 Random Strobe · L1 Rand Med 11–20.6 Hz 177–200 Random Strobe · L1 Rand Fast 21–31 Hz 201–255 L1 Open 2
75	Red	255	
76	Green	255	
77	Blue	255	
78	White	255	

Advanced 4 (continued)

Ch	Function	Default	DMX values
79	Effect 2	126	0–10 Open 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 NoFeature 1 206–254 Min 255–255 Max
80	Effect Speed 2	153	
81	Effects Sync	0	
82	Effect	126	0–10 Open 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 NoFeature 1 206–254 Min 255–255 Max
83	Effect Speed	153	
84	Effects Sync	0	
85	No Feature	0	
86	Dummy	0	

Advanced 4 (continued)

Ch	Function	Default	DMX values
87	Dimmer Mode	0	