EK Lights

K1



Manufacturer	**EK Lights**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**33, 34 channels**
Beam angle	**6-50°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**300 × 708 × 338 mm**
GDTF fixture type	**2ECBA3F7-0CCC-4B1D-A9D8-8…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

33CH	33 ch
34CH	34 ch

33CH

33 channels

Ch	Function	Default	DMX values
1	Pan	170	
2	Pan Fine	170	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Shutter / Strobe	255	0–10 Closed 11–82 Strobe 83–93 open 94–163 Pulse-effect in sequences 164–174 Open 175–244 Strobe 245–255 Open
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	C TO	0	
12	Color Wheel	0	0–9 White (wheel slot 1) 10–18 Color1 (wheel slot 2) 19–27 Color2 (wheel slot 3) 28–36 Color3 (wheel slot 4) 37–45 Color4 (wheel slot 5) 46–54 Color5 (wheel slot 6) 55–58 Color6 (wheel slot 7) 64–95 CW 96–127 CCW 128–255 Color Index0-360
13	Gobo	0	0–5 Open (wheel slot 1) 6–11 Gobo 1 (wheel slot 2) 12–17 Gobo 2 (wheel slot 3) 18–22 Gobo 3 (wheel slot 4) 23–28 Gobo 4 (wheel slot 5) 29–34 Gobo 5 (wheel slot 6) 35–40 Gobo 6 (wheel slot 7) 41–58 Gobo 1 Shake (wheel slot 2) 59–75 Gobo 2 Shake (wheel slot 3) 76–93 Gobo 3 Shake (wheel slot 4) 94–110 Gobo 4 Shake (wheel slot 5) 111–127 Gobo 5 Shake (wheel slot 6) 128–145 Gobo 6 Shake (wheel slot 7) 146–200 CW 201–255 CCW
14	Gobo Rotation	0	0–191 Gobo Index0-360 192–221 CW 222–225 Stop 226–255 CCW
15	Prism	0	0–127 Open 128–255 4F Circular (wheel slot 1)
16	Prism Rotation	0	0–191 Prism Index 192–223 CW (wheel slot 1) 224–255 CCW (wheel slot 1)
17	Frost1	0	0–0 Open 1–255 Frost From 0% -> 100%
18	Focus	0	
19	Focus Fine	0	Fine byte of Focus

33CH (continued)

Ch	Function	Default	DMX values
20	Zoom	0	0–126 Min 127–254 Medium 255–255 Max
21	Zoom Fine	0	Fine byte of Zoom
22	Animation Wheel1	0	0–3 Open 4–127 CCW 128–131 Stop 132–255 CW
23	Iris	0	0–30 Max 31–62 Medium 63–63 Min 64–127 Effect 1 128–191 Effect 2 192–255 Effect 3
24	Shaper Rot	0	
25	Blade1A	0	
26	Blade1B	128	
27	Blade2A	0	
28	Blade2B	128	
29	Blade3A	0	
30	Blade3B	128	
31	Blade4A	0	
32	Blade4B	128	
33	Control1	0	0–7 No Function 8–15 Reset All 16–23 Pan/Tilt Reset 24–31 Effects Reset 32–39 Gobo Reset 40–47 Shutter Reset 48–55 Other Reset 56–63 Color Reset 64–255 No Function

34CH

34 channels

Ch	Function	Default	DMX values
1	Pan	170	
2	Pan Fine	170	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Shutter / Strobe	255	0–10 Closed 11–82 Strobe 83–93 open 94–163 Pulse-effect in sequences 164–174 Open 175–244 Strobe 245–255 Open
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	

34CH (continued)

Ch	Function	Default	DMX values
11	C TO	0	
12	Color Wheel	0	0–9 White (wheel slot 1) 10–18 Color1 (wheel slot 2) 19–27 Color2 (wheel slot 3) 28–36 Color3 (wheel slot 4) 37–45 Color4 (wheel slot 5) 46–54 Color5 (wheel slot 6) 55–58 Color6 (wheel slot 7) 64–95 CW 96–127 CCW 128–255 Color Index0-360
13	Gobo	0	0–5 Open (wheel slot 1) 6–11 Gobo 1 (wheel slot 2) 12–17 Gobo 2 (wheel slot 3) 18–22 Gobo 3 (wheel slot 4) 23–28 Gobo 4 (wheel slot 5) 29–34 Gobo 5 (wheel slot 6) 35–40 Gobo 6 (wheel slot 7) 41–58 Gobo 1 Shake (wheel slot 2) 59–75 Gobo 2 Shake (wheel slot 3) 76–93 Gobo 3 Shake (wheel slot 4) 94–110 Gobo 4 Shake (wheel slot 5) 111–127 Gobo 5 Shake (wheel slot 6) 128–145 Gobo 6 Shake (wheel slot 7) 146–200 CW 201–255 CCW
14	Gobo Rotation	0	0–191 Gobo Index0-360 192–221 CW 222–225 Stop 226–255 CCW
15	Prism	0	0–127 Open 128–255 4F Circular (wheel slot 1)
16	Prism Rotation	0	0–191 Prism Index 192–223 CW (wheel slot 1) 224–255 CCW (wheel slot 1)
17	Frost1	0	0–0 Open 1–255 Frost From 0% -> 100%
18	Focus1Adjust	0	0–0 Auto Focus Off 1–7 Hole 4 metres 8–15 Hole 6 metres 16–23 Hole 8 metres 24–31 Hole 10 metres 32–39 Hole 12 metres 40–47 Hole 14 metres 48–55 Hole 16 metres 56–63 Hole 18 metres 64–71 Gobo 4 metres 72–79 Gobo 6 metres 80–87 Gobo 8 metres 88–95 Gobo 10 metres 96–103 Gobo 12 metres 104–111 Gobo 14 metres 112–127 Gobo 16 metres 128–255 Gobo 18 metres
19	Focus	0	
20	Focus Fine	0	Fine byte of Focus
21	Zoom	0	0–126 Min 127–254 Medium 255–255 Max

34CH (continued)

Ch	Function	Default	DMX values
22	Zoom Fine	0	Fine byte of Zoom
23	Animation Wheel1	0	0–3 Open 4–127 CCW 128–131 Stop 132–255 CW
24	Iris	0	0–30 Max 31–62 Medium 63–63 Min 64–127 Effect 1 128–191 Effect 2 192–255 Effect 3
25	Shaper Rot	0	
26	Blade1A	0	
27	Blade1B	128	
28	Blade2A	0	
29	Blade2B	128	
30	Blade3A	0	
31	Blade3B	128	
32	Blade4A	0	
33	Blade4B	128	
34	Control1	0	0–7 No Function 8–15 Reset All 16–23 Pan/Tilt Reset 24–31 Effects Reset 32–39 Gobo Reset 40–47 Shutter Reset 48–55 Other Reset 56–63 Color Reset 64–255 No Function