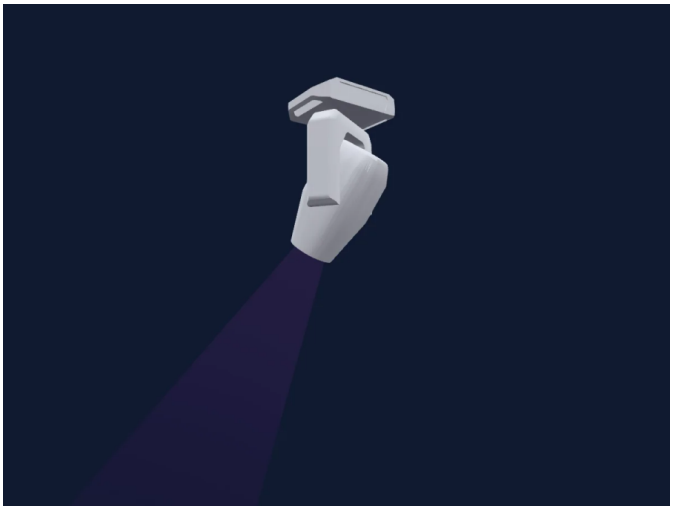
EK Lights

K SMART P



Manufacturer	**EK Lights**
Type	**Profile spot**
DMX modes	**1**
DMX footprint	**33 channels**
Beam angle	**6-50°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**242 × 408 × 226 mm**
GDTF fixture type	**91F76B54-2311-4E7B-A0CB-08…**

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

33CH

33 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	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	0–254 6000K 255–255 2700K
12	Color Wheel	0	0–15 White (wheel slot 1) 16–31 Color1 (wheel slot 2) 32–47 Color2 (wheel slot 3) 48–63 Color3 (wheel slot 4) 64–79 Color4 (wheel slot 5) 80–95 Color5 (wheel slot 6) 96–111 Color6 (wheel slot 7) 112–127 Color7 (wheel slot 8) 128–190 CW 191–192 Stop 193–255 CCW
13	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–45 Gobo 1 Shake (wheel slot 2) 46–59 Gobo 2 Shake (wheel slot 3) 60–73 Gobo 3 Shake (wheel slot 4) 74–87 Gobo 4 Shake (wheel slot 5) 88–101 Gobo 5 Shake (wheel slot 6) 102–114 Gobo 6 Shake (wheel slot 7) 115–127 Gobo 7 Shake (wheel slot 8) 146–200 CW 201–255 CCW
14	Gobo Rotation	0	0–190 Min 191–191 Max 192–221 CW 222–225 Stop 226–255 CCW
15	Animation Wheel1	0	0–3 Open 4–127 CW 128–131 Stop 132–255 CCW

33CH (continued)

Ch	Function	Default	DMX values
16	Prism	0	0–127 Open 128–255 4F Circular (wheel slot 1)
17	Prism Rotation	0	0–0 Open 1–127 Prism Index 128–190 CW (wheel slot 1) 191–192 Stop (wheel slot 1) 193–255 CCW (wheel slot 1)
18	Frost1	0	0–0 Open 1–255 Frost From 0% -> 100%
19	Focus	0	
20	Focus Fine	0	Fine byte of Focus
21	Zoom	0	0–126 Min 127–254 Medium 255–255 Max
22	Zoom Fine	0	Fine byte of Zoom
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	0–20 TBD 21–25 Dimmer Mode Off 26–30 Dimmer Mode 1 31–35 Dimmer Mode 2 36–40 Dimmer Mode 3 41–50 TBD 51–55 Linear 56–60 Square 61–65 Inverse Square 66–70 S-Curve 71–125 TBD 126–130 Fan Auto 131–135 Fan Silent 136–140 Fan High 141–200 TBD 201–205 Complete Reset 206–210 Pan/Tilt Reset 211–215 Head Reset 216–255 TBD