EK Lights

H1



Manufacturer	**EK Lights**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**31 channels**
Beam angle	**2.2-42°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**258 × 430 × 274 mm**
GDTF fixture type	**C8434719-4DE9-4AC1-9D2A-D7…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

31CH 31 ch

31CH

31 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	Color Wheel	0	0–46 open (wheel slot 1) 47–92 color1 (wheel slot 2) 93–139 color2 (wheel slot 3) 140–185 color3 (wheel slot 4) 186–231 color4 (wheel slot 5) 232–255 color5 (wheel slot 6)
5	Color Wheel 2	0	0–46 open (wheel slot 1) 47–92 color1 (wheel slot 2) 93–139 color2 (wheel slot 3) 140–185 color3 (wheel slot 4) 186–231 color4 (wheel slot 5) 232–255 color5 (wheel slot 6)
6	Color3	0	0–46 open (wheel slot 1) 47–92 color1 (wheel slot 2) 93–139 color2 (wheel slot 3) 140–185 color3 (wheel slot 4) 186–231 color4 (wheel slot 5) 232–255 color5 (wheel slot 6)
7	Shutter / Strobe	255	0–3 Closed 4–102 Strobe · Min 1–11.9 Hz 103–103 Strobe · Max 12 Hz 104–107 Open1 108–206 Pulse Strobe · Min 1–11.9 Hz 207–207 Pulse Strobe · Max 12 Hz 208–212 Open 213–250 Random Strobe · Min 1–11.7 Hz 251–251 Random Strobe · Max 12 Hz 252–255 Open3
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer

31CH (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–3 open (wheel slot 1) 4–7 gobo1 (wheel slot 2) 8–10 gobo2 (wheel slot 3) 11–14 gobo3 (wheel slot 4) 15–17 gobo4 (wheel slot 5) 18–21 gobo5 (wheel slot 6) 22–24 gobo6 (wheel slot 7) 25–28 gobo7 (wheel slot 8) 29–31 gobo8 (wheel slot 9) 32–35 gobo9 (wheel slot 10) 36–39 gobo10 (wheel slot 11) 40–42 gobo11 (wheel slot 12) 43–46 gobo12 (wheel slot 13) 47–49 gobo13 (wheel slot 14) 50–53 gobo14 (wheel slot 15) 54–57 gobo15 (wheel slot 16) 58–60 gobo16 (wheel slot 17) 61–64 gobo17 (wheel slot 18) 65–67 gobo18 (wheel slot 19) 68–71 gobo19 (wheel slot 20) 72–113 CCW 114–117 Stop 118–159 CW 160–165 gobo1 (wheel slot 1) 166–170 gobo2 (wheel slot 2) 171–175 gobo3 (wheel slot 3) 176–180 gobo4 (wheel slot 4) 181–185 gobo5 (wheel slot 5) 186–190 gobo6 (wheel slot 6) 191–195 gobo7 (wheel slot 7) 196–200 gobo8 (wheel slot 8) 201–205 gobo9 (wheel slot 9) 206–210 gobo10 (wheel slot 10) 211–215 gobo11 (wheel slot 11) 216–220 gobo12 (wheel slot 12) 221–225 gobo13 (wheel slot 13) 226–230 gobo14 (wheel slot 14) 231–235 gobo15 (wheel slot 15) 236–240 gobo16 (wheel slot 16) 241–245 gobo17 (wheel slot 17) 246–250 gobo18 (wheel slot 18) 251–255 gobo19 (wheel slot 19)
11	Animation Wheel1	0	0–254 open 255–255 Insert
12	Animation Wheel1Pos	0	0–3 Stop 4–127 CW 128–132 Stop 133–255 CCW

31CH (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	0–7 Open (wheel slot 1) 8–15 gobo1 (wheel slot 2) 16–23 gobo2 (wheel slot 3) 24–31 gobo3 (wheel slot 4) 32–39 gobo 4 (wheel slot 5) 40–47 gobo5 (wheel slot 6) 48–55 gobo 6 (wheel slot 7) 56–63 gobo7 (wheel slot 8) 64–71 gobo8 (wheel slot 9) 72–113 CCW 114–117 Stop 118–159 CW 160–171 gobo1 (wheel slot 2) 172–183 gobo2 (wheel slot 3) 184–195 gobo3 (wheel slot 4) 196–207 gobo 4 (wheel slot 5) 208–219 gobo5 (wheel slot 6) 220–231 gobo 6 (wheel slot 7) 232–243 gobo7 (wheel slot 8) 244–255 gobo8 (wheel slot 9)
14	Gobo Rotation 2	0	0–127 0- 540 Position 128–190 CW 191–192 Stop 193–255 CCW
15	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
16	Prism	0	0–127 Open (wheel slot 1) 128–255 4F Circular (wheel slot 2)
17	Prism Rotation	0	0–0 Open 1–127 Prism Index 128–190 CW (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW (wheel slot 2)
18	Prism	0	0–127 Open (wheel slot 1) 128–255 8F Circular (wheel slot 2)
19	Prism Rotation	0	0–0 Open 1–127 Prism Index 128–190 CW (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW (wheel slot 2)
20	Frost1	0	
21	Zoom	30	0–126 Min 127–254 Medium 255–255 Max
22	Focus	127	0–126 Min 127–254 Medium 255–255 Max
23	Focus Fine	166	Fine byte of Focus
24	Beam Mode	0	0–127 Spot Mode 128–255 Beam Mode
25	Pan	128	
26	Pan Fine	0	Fine byte of Pan
27	Tilt	128	
28	Tilt Fine	0	Fine byte of Tilt

31CH (continued)

Ch	Function	Default	DMX values
29	Function	0	0–110 No Function 111–120 Pan Tilt Slow Speed (Hold 3S) 121–130 Pan Tilt Medium Speed (Hold 3S) 131–140 Pan Tilt Fast Speed (Hold 3S) 141–255 No Function
30	Fixture Global Reset	0	0–25 Unused Range 26–76 Effects Reset (Hold 5S) 77–127 Pan Tilt Reset (Hold 5S) 128–255 Complete Reset (Hold 5S)
31	Lamp Control	0	0–25 No Function 26–100 Lamp Off (Hold 3S) 101–255 Lamp On(Hold 3S)