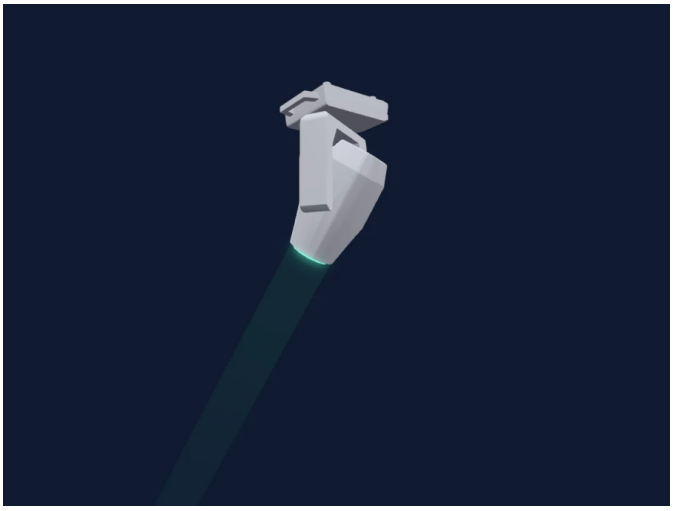
EK Lights

BILLYTHEKID-CMY



Manufacturer	**EK Lights**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**24 channels**
Beam angle	**1.3°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**287 × 491 × 256 mm**
GDTF fixture type	**C0B5EC9D-3476-4AA0-BFCC-8E…**

Controls

Focus · Frost · Prism · Prism rotation · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

DMX modes

24 CH — 24 ch

24 CH

24 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	Color Wheel	0	0–23 Open (wheel slot 1) 24–46 Open+Color1 (wheel slot 2) 47–69 Color 1 (wheel slot 3) 70–92 Color 1+Color 2 (wheel slot 4) 93–115 Color 2 (wheel slot 5) 116–139 Color 2+Color 3 (wheel slot 6) 140–162 Color 3 (wheel slot 7) 163–185 Color 3+Color 4 (wheel slot 8) 186–208 Color 4 (wheel slot 8) 209–231 Color 4+Color 5 (wheel slot 9) 232–255 Color 5 (wheel slot 10)
5	Color Wheel 2	0	0–23 Open (wheel slot 1) 24–46 Open+Color1 (wheel slot 2) 47–69 Color 1 (wheel slot 3) 70–92 Color 1+Color 2 (wheel slot 4) 93–115 Color 2 (wheel slot 5) 116–139 Color 2+Color 3 (wheel slot 6) 140–162 Color 3 (wheel slot 7) 163–185 Color 3+Color 4 (wheel slot 8) 186–208 Color 4 (wheel slot 8) 209–231 Color 4+Color 5 (wheel slot 9) 232–255 Color 5 (wheel slot 10)
6	Color3	0	0–23 Open (wheel slot 1) 24–46 Open+Color1 (wheel slot 2) 47–69 Color 1 (wheel slot 3) 70–92 Color 1+Color 2 (wheel slot 4) 93–115 Color 2 (wheel slot 5) 116–139 Color 2+Color 3 (wheel slot 6) 140–162 Color 3 (wheel slot 7) 163–185 Color 3+Color 4 (wheel slot 8) 186–208 Color 4 (wheel slot 8) 209–231 Color 4+Color 5 (wheel slot 9) 232–255 Color 5 (wheel slot 10)
7	Shutter / Strobe	252	0–3 Closed 4–103 Strobe Slow to Fast 104–107 Open1 108–207 Pulse 208–212 Open2 213–251 Strobe Random 252–255 Open3
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer

24 CH (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–10 Gobo 2 (wheel slot 3) 11–14 Gobo 3 (wheel slot 4) 15–17 Gobo 4 (wheel slot 5) 18–21 Gobo 5 (wheel slot 6) 22–24 Gobo 6 (wheel slot 7) 25–28 Gobo 7 (wheel slot 8) 29–31 Gobo 8 (wheel slot 9) 32–35 Gobo 9 (wheel slot 10) 36–39 Gobo 10 (wheel slot 11) 40–42 Gobo11 (wheel slot 12) 43–46 Gobo 12 (wheel slot 13) 47–49 Gobo 13 (wheel slot 14) 50–53 Gobo14 (wheel slot 15) 54–56 Gobo 15 (wheel slot 16) 57–60 Gobo16 (wheel slot 17) 61–63 Gobo17 (wheel slot 18) 64–67 Gobo 18 (wheel slot 19) 68–71 Gobo 19 (wheel slot 20) 72–113 CW 114–117 Stop 118–159 CCW 160–165 Gobo 1 Shake (wheel slot 2) 166–170 Gobo 2 Shake (wheel slot 3) 171–175 Gobo 3 Shake (wheel slot 4) 176–180 Gobo 4 Shake (wheel slot 5) 181–185 Gobo 5 Shake (wheel slot 6) 186–190 Gobo 6 Shake (wheel slot 7) 191–195 Gobo 7 Shake (wheel slot 8) 196–200 Gobo 8 Shake (wheel slot 9) 201–205 Gobo 9 Shake (wheel slot 10) 206–210 Gobo 10 Shake (wheel slot 11) 211–215 Gobo 11 Shake (wheel slot 12) 216–220 Gobo 12 Shake (wheel slot 13) 221–225 Gobo 13 Shake (wheel slot 14) 226–230 Gobo 14 Shake (wheel slot 15) 231–235 Gobo 15 Shake (wheel slot 16) 236–240 Gobo 16 Shake (wheel slot 17) 241–245 Gobo 17 Shake (wheel slot 18) 246–250 Gobo 18 Shake (wheel slot 19) 251–255 Gobo19 Shake (wheel slot 20)
11	Prism	0	0–127 Open (wheel slot 1) 128–255 8F Circular (wheel slot 2)
12	Prism Rotation	0	0–127 Prism Index0-540 (wheel slot 2) 128–190 CW (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW (wheel slot 2)
13	Prism	0	0–127 Open (wheel slot 1) 128–255 24F Circulart (wheel slot 2)
14	Prism Rotation	0	0–127 Prism Index0-540 (wheel slot 2) 128–190 CW (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW (wheel slot 2)
15	Frost1	0	
16	Focus	0	0–126 Min 127–254 Medium 255–255 Max
17	Focus Fine	0	Fine byte of Focus
18	Pan	127	

24 CH (continued)

Ch	Function	Default	DMX values
19	Pan Fine	255	Fine byte of Pan
20	Tilt	127	
21	Tilt Fine	255	Fine byte of Tilt
22	Position MSpeed	0	0–110 No Function 111–120 P/T Speed Slow 121–130 P/T Speed Middle 131–140 P/T Speed Fast 141–255 No Function
23	Reset	0	0–25 No Function 26–76 Complete Reset 77–127 P/T Reset 128–255 All Reset
24	Lamp Control	0	0–25 No Function 26–100 Lamp Off 101–255 Lamp On