EK Lights

LT6



Manufacturer	**EK Lights**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**37, 38 channels**
Beam angle	**4.4-52°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**313 × 463 × 225 mm**
GDTF fixture type	**BA7D029A-3631-45EA-9860-AE...**

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

DMX modes

37CH	37 ch
38CH	38 ch

37CH

37 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 Close 11–11 Strobe · Min 1 Hz 12–81 Strobe · Min<Max 1.41–29.6 Hz 82–82 Strobe · Max 30 Hz 83–93 Open 94–94 StrobePulse · Min 1 Hz 95–162 StrobePulse · Min<Max 1.42–29.6 Hz 163–163 StrobePulse · Max 30 Hz 164–174 Open 175–175 StrobeRandom · Min 1 Hz 176–243 StrobeRandom · Min<Max 1.42–29.6 Hz 244–244 StrobeRandom · Max 30 Hz 245–255 Open
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer
8	Cyan	0	0–0 Min 1–254 Min<Max 255–255 Max
9	Magenta	0	0–0 Min 1–254 Min<Max 255–255 Max
10	Yellow	0	0–0 Min 1–254 Min<Max 255–255 Max
11	C TO	0	
12	Color Wheel	0	0–10 Open (wheel slot 1) 11–19 Open + Color1 (wheel slot 2) 20–28 Color 1 (wheel slot 3) 29–37 Color 1 + Color 2 (wheel slot 4) 38–46 Color 2 (wheel slot 5) 47–55 Color 2 + Color 3 (wheel slot 6) 56–64 Color 3 (wheel slot 7) 65–73 Color 3 + Color 4 (wheel slot 8) 74–82 Color 4 (wheel slot 9) 83–91 Color 4 + Open (wheel slot 10) 92–100 Color 5 (wheel slot 11) 101–109 Color 5 + Color 6 (wheel slot 12) 110–118 Color 6 (wheel slot 13) 119–127 Color 6 + Open (wheel slot 14) 128–190 Fast to Slow(Forward Spin) 191–192 Stop (Stop Rotation) 193–255 Slow to Fast(Revers Spin)

37CH (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–113 Fast to Slow(Revers Spin) 114–117 Stop (Stop Rotation) 118–159 Slow to Fast(Forward Spin) 160–172 Gobo1 Shak (wheel slot 2) 173–185 Gobo2 Shak (wheel slot 3) 186–198 Gobo3 Shak (wheel slot 4) 199–211 Gobo4 Shak (wheel slot 5) 212–224 Gobo5 Shak (wheel slot 6) 225–237 Gobo6 Shak (wheel slot 7) 238–255 Gobo7 Shak (wheel slot 8)
14	Gobo Rotation	0	0–127 Indexing 128–190 F > S - Rotate CW 191–192 Stop 193–255 S > F - Rotate CCW
15	Gobo 2	0	0–8 Open (wheel slot 1) 9–15 Gobo 1 (wheel slot 2) 16–22 Gobo 2 (wheel slot 3) 23–29 Gobo 3 (wheel slot 4) 30–36 Gobo 4 (wheel slot 5) 37–43 Gobo 5 (wheel slot 6) 44–50 Gobo 6 (wheel slot 7) 51–57 Gobo 7 (wheel slot 8) 58–64 Gobo 8 (wheel slot 9) 65–71 Gobo 9 (wheel slot 10) 72–113 Fast to Slow(Revers Spin) 114–117 Stop (Stop Rotation) 118–159 Slow to Fast(Forward Spin) 160–170 Gobo1 Shak (wheel slot 2) 171–180 Gobo2 Shak (wheel slot 3) 181–191 Gobo3 Shak (wheel slot 4) 192–201 Gobo4 Shak (wheel slot 5) 202–212 Gobo5 Shak (wheel slot 6) 213–222 Gobo6 Shak (wheel slot 7) 223–233 Gobo7Shak (wheel slot 8) 234–244 Gobo8 Shak (wheel slot 9) 245–255 Gobo9 Shak (wheel slot 10)
16	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
17	Prism Rotation	0	0–127 indexing 128–190 F > S - Rotate CW 191–192 Stop 193–255 S > F - Rotate CCW
18	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
19	Prism Rotation	0	0–127 indexing 128–190 F > S - Rotate CW 191–192 Stop 193–255 S > F - Rotate CCW
20	Frost1	0	0–0 Min 1–254 Min<Max 255–255 Max

37CH (continued)

Ch	Function	Default	DMX values
21	Animation Wheel1	0	0–127 No function (wheel slot 1) 128–255 Animation insert (wheel slot 2)
22	Animation Wheel1Pos Rotate	0	0–3 Open (wheel slot 1) 4–127 F > S - Rotate CW (wheel slot 2) 128–132 Stop (wheel slot 2) 133–255 S > F - Rotate CCW (wheel slot 2)
23	Iris	0	0–126 Min 127–127 Max 128–131 Maximum Aperture 132–171 Slow to Fast Pulsation 172–211 Slow to Fast Pulsation Fast Opening 212–251 Slow to Fast Pulsation Fast Closing 252–255 Maximum Aperture
24	Focus	127	
25	Focus Fine	255	Fine byte of Focus
26	Zoom	127	0–254 Wide 255–255 Narrow
27	Zoom Fine	255	Fine byte of Zoom
28	Blade1A	0	0–126 Min 127–254 50% 255–255 Max
29	Blade1Rot	127	
30	Blade2A	0	0–126 Min 127–254 50% 255–255 Max
31	Blade2Rot	127	
32	Blade3A	0	0–126 Min 127–254 50% 255–255 Max
33	Blade3Rot	127	
34	Blade4A	0	0–126 Min 127–254 50% 255–255 Max
35	Blade4Rot	127	
36	Shaper Rot	127	

37CH (continued)

Ch	Function	Default	DMX values
37	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Linear 31–35 Square 36–40 Inverse Square 41–45 S Curve 46–50 600Hz 51–55 1200 Hz 56–60 2000 Hz 61–65 4000 Hz 66–70 6000 Hz 71–75 25000Hz 76–80 Pan Inverse Off 81–85 Pan Inverse On 86–90 Tilt Inverse Off 91–95 Tilt Inverse On 96–100 Swap Pan Tilt Off 101–105 Swap Pan Tilt On 106–110 Fan Auto 111–115 Fan On 116–120 Fan Off 121–125 Fan Silent 141–160 Reserve 161–165 Framing Shutter Independent Mode 166–170 Framing Shutter Mixed Mode 171–175 FrostIndependent Mode 176–180 Frost Mixed Mode 181–240 Reserve 241–245 Head Reset 246–250 Pan/Tilt Reset 251–255 Complete Reset

38CH

38 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 Close 11–11 Strobe · Min 1 Hz 12–81 Strobe · Min<Max 1.41–29.6 Hz 82–82 Strobe · Max 30 Hz 83–93 Open 94–94 StrobePulse · Min 1 Hz 95–162 StrobePulse · Min<Max 1.42–29.6 Hz 163–163 StrobePulse · Max 30 Hz 164–174 Open 175–175 StrobeRandom · Min 1 Hz 176–243 StrobeRandom · Min<Max 1.42–29.6 Hz 244–244 StrobeRandom · Max 30 Hz 245–255 Open
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

38CH (continued)

Ch	Function	Default	DMX values
8	Cyan	0	0–0 Min 1–254 Min<Max 255–255 Max
9	Magenta	0	0–0 Min 1–254 Min<Max 255–255 Max
10	Yellow	0	0–0 Min 1–254 Min<Max 255–255 Max
11	C TO	0	
12	Color Wheel	0	0–10 Open (wheel slot 1) 11–19 Open + Color1 (wheel slot 2) 20–28 Color 1 (wheel slot 3) 29–37 Color 1 + Color 2 (wheel slot 4) 38–46 Color 2 (wheel slot 5) 47–55 Color 2 + Color 3 (wheel slot 6) 56–64 Color 3 (wheel slot 7) 65–73 Color 3 + Color 4 (wheel slot 8) 74–82 Color 4 (wheel slot 9) 83–91 Color 4 + Open (wheel slot 10) 92–100 Color 5 (wheel slot 11) 101–109 Color 5 + Color 6 (wheel slot 12) 110–118 Color 6 (wheel slot 13) 119–127 Color 6 + Open (wheel slot 14) 128–190 Fast to Slow(Forward Spin) 191–192 Stop (Stop Rotation) 193–255 Slow to Fast(Revers Spin)
13	Gobo	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–113 Fast to Slow(Revers Spin) 114–117 Stop (Stop Rotation) 118–159 Slow to Fast(Forward Spin) 160–172 Gobo1 Shak (wheel slot 2) 173–185 Gobo2 Shak (wheel slot 3) 186–198 Gobo3 Shak (wheel slot 4) 199–211 Gobo4 Shak (wheel slot 5) 212–224 Gobo5 Shak (wheel slot 6) 225–237 Gobo6 Shak (wheel slot 7) 238–255 Gobo7 Shak (wheel slot 8)
14	Gobo Rotation	0	0–127 Indexing 128–190 F > S - Rotate CW 191–192 Stop 193–255 S > F - Rotate CCW

38CH (continued)

Ch	Function	Default	DMX values
15	Gobo 2	0	0–8 Open (wheel slot 1) 9–15 Gobo 1 (wheel slot 2) 16–22 Gobo 2 (wheel slot 3) 23–29 Gobo 3 (wheel slot 4) 30–36 Gobo 4 (wheel slot 5) 37–43 Gobo 5 (wheel slot 6) 44–50 Gobo 6 (wheel slot 7) 51–57 Gobo 7 (wheel slot 8) 58–64 Gobo 8 (wheel slot 9) 65–71 Gobo 9 (wheel slot 10) 72–113 Fast to Slow(Revers Spin) 114–117 Stop (Stop Rotation) 118–159 Slow to Fast(Forward Spin) 160–170 Gobo1 Shak (wheel slot 2) 171–180 Gobo2 Shak (wheel slot 3) 181–191 Gobo3 Shak (wheel slot 4) 192–201 Gobo4 Shak (wheel slot 5) 202–212 Gobo5 Shak (wheel slot 6) 213–222 Gobo6 Shak (wheel slot 7) 223–233 Gobo7Shak (wheel slot 8) 234–244 Gobo8 Shak (wheel slot 9) 245–255 Gobo9 Shak (wheel slot 10)
16	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
17	Prism Rotation	0	0–127 indexing 128–190 F > S - Rotate CW 191–192 Stop 193–255 S > F - Rotate CCW
18	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
19	Prism Rotation	0	0–127 indexing 128–190 F > S - Rotate CW 191–192 Stop 193–255 S > F - Rotate CCW
20	Frost1	0	0–0 Min 1–254 Min<Max 255–255 Max
21	Frost2	0	0–0 Min 1–254 Min<Max 255–255 Max
22	Animation Wheel1	0	0–127 No function (wheel slot 1) 128–255 Animation insert (wheel slot 2)
23	Animation Wheel1Pos Rotate	0	0–3 Open (wheel slot 1) 4–127 F > S - Rotate CW (wheel slot 2) 128–132 Stop (wheel slot 2) 133–255 S > F - Rotate CCW (wheel slot 2)
24	Iris	0	0–126 Min 127–127 Max 128–131 Maximum Aperture 132–171 Slow to Fast Pulsation 172–211 Slow to Fast Pulsation Fast Opening 212–251 Slow to Fast Pulsation Fast Closing 252–255 Maximum Aperture
25	Focus	127	
26	Focus Fine	255	Fine byte of Focus
27	Zoom	127	0–254 Wide 255–255 Narrow
28	Zoom Fine	255	Fine byte of Zoom

38CH (continued)

Ch	Function	Default	DMX values
29	Blade1A	0	0–126 Min 127–254 50% 255–255 Max
30	Blade1Rot	127	
31	Blade2A	0	0–126 Min 127–254 50% 255–255 Max
32	Blade2Rot	127	
33	Blade3A	0	0–126 Min 127–254 50% 255–255 Max
34	Blade3Rot	127	
35	Blade4A	0	0–126 Min 127–254 50% 255–255 Max
36	Blade4Rot	127	
37	Shaper Rot	127	
38	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Linear 31–35 Square 36–40 Inverse Square 41–45 S Curve 46–50 600Hz 51–55 1200 Hz 56–60 2000 Hz 61–65 4000 Hz 66–70 6000 Hz 71–75 25000Hz 76–80 Pan Inverse Off 81–85 Pan Inverse On 86–90 Tilt Inverse Off 91–95 Tilt Inverse On 96–100 Swap Pan Tilt Off 101–105 Swap Pan Tilt On 106–110 Fan Auto 111–115 Fan On 116–120 Fan Off 121–125 Fan Silent 141–160 Reserve 161–165 Framing Shutter Independent Mode 166–170 Framing Shutter Mixed Mode 171–175 FrostIndependent Mode 176–180 Frost Mixed Mode 181–240 Reserve 241–245 Head Reset 246–250 Pan/Tilt Reset 251–255 Complete Reset