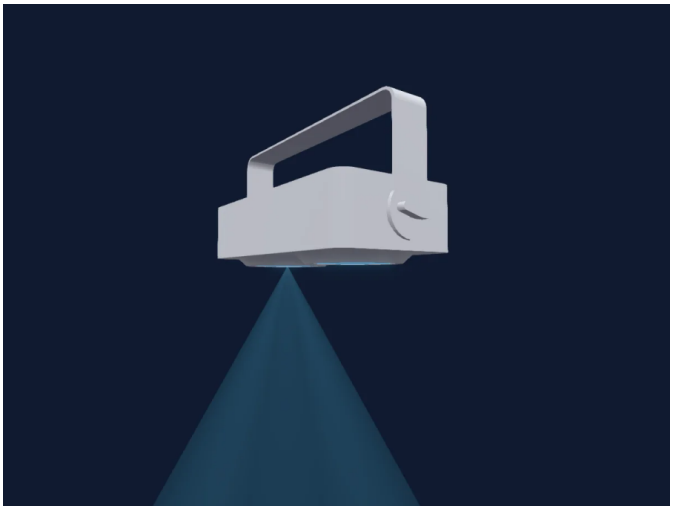
EK Lights

Blinder II C



Manufacturer	**EK Lights**
Type	**Blinder**
DMX modes	**11**
DMX footprint	**1, 3, 5, 7, 10, 12, 13, 16, 29 channels**
Beam angle	**60°**
Heads / cells	**2**
Size (W × H × D)	**432 × 173 × 65 mm**
GDTF fixture type	**80802F4C-450B-4731-91A5-3FE…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Dimmer · Pixel control

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

1 Channel Mode	1 ch
3 Channel Mode	3 ch
HSV	3 ch
5 Channel Mode	5 ch
7 Channel Mode	7 ch
10 Channel Mode 1	10 ch
10 Channel Mode 2	10 ch
12 Channel Mode	12 ch
13 Channel Mode	13 ch
16 Channel Mode	16 ch
29 Channel Mode	29 ch

1 Channel Mode

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

3 Channel Mode

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Color Macro1	0	0–5 No Function 6–13 C3050 Md Yellow 14–21 C3040 Lt Yellow 22–28 C3240 Amb Yellow 29–35 C2340 VLt Amber 36–43 C2040 Lt Amber 44–51 C2050 Md Amber 52–59 C2060 Dk Amber 60–67 C1050 Lt Red 68–75 C1080 Md Red 76–83 C1020 NC Pink 84–91 C1030 Md Pink 92–99 C1630 Dk Pink 100–107 C1250 Md Red Amber 108–115 C1060 Dk Red Amber 116–121 C1650 Magenta 122–130 C6170 Dk Magenta 131–138 C6020 Lt Lavender 139–146 C5030 Lt Blue 147–154 C5020 VLt Blue 155–162 C5430 Lt Blue 2 163–170 C5070 Blue 171–178 C5050 Md Blue 179–186 C5060 Dk Blue 187–194 C5690 Indigo 195–202 C5080 VDk Blue 203–210 C5081 VDk Blue 2 211–218 C4370 Yellow Green 219–226 C4070 Green 227–234 C4550 Turquoise 235–242 C4560 Aqua 243–250 C4570 Blue Green 251–255 No Function
3	C TO	0	0–5 No Function 6–19 2800K 20–33 3000K 34–47 3200K 48–61 3500K 62–75 4000K 76–89 4500K 90–103 5000K 104–117 5600K 118–131 6000K 132–145 6500K 146–159 7000K 160–173 7500K 174–187 8000K 188–201 8500K 202–215 9000K 216–229 9500K 230–243 10000K 244–255 No Function

HSV

3 channels

Ch	Function	Default	DMX values
1	H SBHue	0	
2	H SBSaturation	0	
3	Dimmer	0	

5 Channel Mode

5 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Color Add RY	255	
5	White	0	

7 Channel Mode

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	255	
3	Green	255	
4	Blue	255	
5	Color Add RY	0	
6	White	0	
7	Shutter / Strobe	0	

10 Channel Mode 1

10 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Color Add RY	255	
5	White	0	
6	Red	255	
7	Green	255	
8	Blue	255	
9	Color Add RY	255	
10	White	0	

10 Channel Mode 2

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Green	255	
5	Blue	255	

10 Channel Mode 2 (continued)

Ch	Function	Default	DMX values
6	Color Add RY	0	
7	White	0	
8	Shutter / Strobe	0	
9	Color Macro1	0	0–5 No Function 6–13 C3050 Md Yellow 14–21 C3040 Lt Yellow 22–28 C3240 Amb Yellow 29–35 C2340 VLt Amber 36–43 C2040 Lt Amber 44–51 C2050 Md Amber 52–59 C2060 Dk Amber 60–67 C1050 Lt Red 68–75 C1080 Md Red 76–83 C1020 NC Pink 84–91 C1030 Md Pink 92–99 C1630 Dk Pink 100–107 C1250 Md Red Amber 108–115 C1060 Dk Red Amber 116–121 C1650 Magenta 122–130 C6170 Dk Magenta 131–138 C6020 Lt Lavender 139–146 C5030 Lt Blue 147–154 C5020 VLt Blue 155–162 C5430 Lt Blue 2 163–170 C5070 Blue 171–178 C5050 Md Blue 179–186 C5060 Dk Blue 187–194 C5690 Indigo 195–202 C5080 VDk Blue 203–210 C5081 VDk Blue 2 211–218 C4370 Yellow Green 219–226 C4070 Green 227–234 C4550 Turquoise 235–242 C4560 Aqua 243–250 C4570 Blue Green 251–255 No Function
10	C TO	0	0–5 No Function 6–19 2800K 20–33 3000K 34–47 3200K 48–61 3500K 62–75 4000K 76–89 4500K 90–103 5000K 104–117 5600K 118–131 6000K 132–145 6500K 146–159 7000K 160–173 7500K 174–187 8000K 188–201 8500K 202–215 9000K 216–229 9500K 230–243 10000K 244–255 No Function

12 Channel Mode

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	255	
3	Green	255	
4	Blue	255	
5	Color Add RY	0	
6	White	0	
7	Shutter / Strobe	0	
8	Color Macro1	0	0–5 No Function 6–13 C3050 Md Yellow 14–21 C3040 Lt Yellow 22–28 C3240 Amb Yellow 29–35 C2340 VLt Amber 36–43 C2040 Lt Amber 44–51 C2050 Md Amber 52–59 C2060 Dk Amber 60–67 C1050 Lt Red 68–75 C1080 Md Red 76–83 C1020 NC Pink 84–91 C1030 Md Pink 92–99 C1630 Dk Pink 100–107 C1250 Md Red Amber 108–115 C1060 Dk Red Amber 116–121 C1650 Magenta 122–130 C6170 Dk Magenta 131–138 C6020 Lt Lavender 139–146 C5030 Lt Blue 147–154 C5020 VLt Blue 155–162 C5430 Lt Blue 2 163–170 C5070 Blue 171–178 C5050 Md Blue 179–186 C5060 Dk Blue 187–194 C5690 Indigo 195–202 C5080 VDk Blue 203–210 C5081 VDk Blue 2 211–218 C4370 Yellow Green 219–226 C4070 Green 227–234 C4550 Turquoise 235–242 C4560 Aqua 243–250 C4570 Blue Green 251–255 No Function
9	C TO	0	0–5 No Function 6–19 2800K 20–33 3000K 34–47 3200K 48–61 3500K 62–75 4000K 76–89 4500K 90–103 5000K 104–117 5600K 118–131 6000K 132–145 6500K 146–159 7000K 160–173 7500K 174–187 8000K 188–201 8500K 202–215 9000K 216–229 9500K 230–243 10000K 244–255 No Function

12 Channel Mode (continued)

Ch	Function	Default	DMX values
10	Effect	0	0–10 No Function 11–40 Auto Program 1 41–80 Auto Program 2 81–120 Auto Program 3 121–160 Auto Program 4 161–200 Auto Program 5 201–240 Auto Program 6 241–255 No Function
11	Effect Speed	0	
12	Control1	0	0–7 No Function 8–15 Dimmer Reset 16–23 Red Shift On 24–31 Red Shift Off 32–39 Dimmer S-Curve 40–47 Dimmer Linear 48–55 Dimmer Square 56–63 Dimmer Inverse Square 64–71 Dimmer Mode Off 72–79 Dimmer Mode 1 80–87 Dimmer Mode 2 88–95 Dimmer Mode 3 96–103 X-Fade Speed Off 104–111 X-Fade Speed 1 112–119 X-Fade Speed 2 120–127 X-Fade Speed 3 128–135 X-Fade Speed 4 136–255 No Function

13 Channel Mode

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Color Add RY	0	
10	Color Add RY Fine	0	Fine byte of Color Add RY
11	White	0	
12	White Fine	0	Fine byte of White
13	Shutter / Strobe	0	

16 Channel Mode

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red

16 Channel Mode (continued)

Ch	Function	Default	DMX values
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Color Add RY	255	
10	Color Add RY Fine	255	Fine byte of Color Add RY
11	White	0	
12	White Fine	0	Fine byte of White
13	Shutter / Strobe	0	
14	Color Macro1	0	0–5 No Function 6–13 C3050 Md Yellow 14–21 C3040 Lt Yellow 22–28 C3240 Amb Yellow 29–35 C2340 VLt Amber 36–43 C2040 Lt Amber 44–51 C2050 Md Amber 52–59 C2060 Dk Amber 60–67 C1050 Lt Red 68–75 C1080 Md Red 76–83 C1020 NC Pink 84–91 C1030 Md Pink 92–99 C1630 Dk Pink 100–107 C1250 Md Red Amber 108–115 C1060 Dk Red Amber 116–121 C1650 Magenta 122–130 C6170 Dk Magenta 131–138 C6020 Lt Lavender 139–146 C5030 Lt Blue 147–154 C5020 VLt Blue 155–162 C5430 Lt Blue 2 163–170 C5070 Blue 171–178 C5050 Md Blue 179–186 C5060 Dk Blue 187–194 C5690 Indigo 195–202 C5080 VDk Blue 203–210 C5081 VDk Blue 2 211–218 C4370 Yellow Green 219–226 C4070 Green 227–234 C4550 Turquoise 235–242 C4560 Aqua 243–250 C4570 Blue Green 251–255 No Function

16 Channel Mode (continued)

Ch	Function	Default	DMX values
15	C TO	0	0–5 No Function 6–19 2800K 20–33 3000K 34–47 3200K 48–61 3500K 62–75 4000K 76–89 4500K 90–103 5000K 104–117 5600K 118–131 6000K 132–145 6500K 146–159 7000K 160–173 7500K 174–187 8000K 188–201 8500K 202–215 9000K 216–229 9500K 230–243 10000K 244–255 No Function
16	Control1	0	0–7 No Function 8–15 Dimmer Reset 16–23 Red Shift On 24–31 Red Shift Off 32–39 Dimmer S-Curve 40–47 Dimmer Linear 48–55 Dimmer Square 56–63 Dimmer Inverse Square 64–71 Dimmer Mode Off 72–79 Dimmer Mode 1 80–87 Dimmer Mode 2 88–95 Dimmer Mode 3 96–103 X-Fade Speed Off 104–111 X-Fade Speed 1 112–119 X-Fade Speed 2 120–127 X-Fade Speed 3 128–135 X-Fade Speed 4 136–255 No Function

29 Channel Mode

29 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Color Add RY	255	
10	Color Add RY Fine	255	Fine byte of Color Add RY
11	White	0	
12	White Fine	0	Fine byte of White
13	Red	255	
14	Red Fine	255	Fine byte of Red

29 Channel Mode (continued)

Ch	Function	Default	DMX values
15	Green	255	
16	Green Fine	255	Fine byte of Green
17	Blue	255	
18	Blue Fine	255	Fine byte of Blue
19	Color Add RY	255	
20	Color Add RY Fine	255	Fine byte of Color Add RY
21	White	0	
22	White Fine	0	Fine byte of White
23	Shutter / Strobe	0	
24	Color Macro1	0	0–5 No Function 6–13 C3050 Md Yellow 14–21 C3040 Lt Yellow 22–28 C3240 Amb Yellow 29–35 C2340 VLt Amber 36–43 C2040 Lt Amber 44–51 C2050 Md Amber 52–59 C2060 Dk Amber 60–67 C1050 Lt Red 68–75 C1080 Md Red 76–83 C1020 NC Pink 84–91 C1030 Md Pink 92–99 C1630 Dk Pink 100–107 C1250 Md Red Amber 108–115 C1060 Dk Red Amber 116–121 C1650 Magenta 122–130 C6170 Dk Magenta 131–138 C6020 Lt Lavender 139–146 C5030 Lt Blue 147–154 C5020 VLt Blue 155–162 C5430 Lt Blue 2 163–170 C5070 Blue 171–178 C5050 Md Blue 179–186 C5060 Dk Blue 187–194 C5690 Indigo 195–202 C5080 VDk Blue 203–210 C5081 VDk Blue 2 211–218 C4370 Yellow Green 219–226 C4070 Green 227–234 C4550 Turquoise 235–242 C4560 Aqua 243–250 C4570 Blue Green 251–255 No Function

29 Channel Mode (continued)

Ch	Function	Default	DMX values
25	C TO	0	0–5 No Function 6–19 2800K 20–33 3000K 34–47 3200K 48–61 3500K 62–75 4000K 76–89 4500K 90–103 5000K 104–117 5600K 118–131 6000K 132–145 6500K 146–159 7000K 160–173 7500K 174–187 8000K 188–201 8500K 202–215 9000K 216–229 9500K 230–243 10000K 244–255 No Function
26	Effect	0	0–10 No Function 11–40 Auto Program 1 41–80 Auto Program 2 81–120 Auto Program 3 121–160 Auto Program 4 161–200 Auto Program 5 201–240 Auto Program 6 241–255 No Function
27	Effect Speed	0	
28	Control1	0	0–7 No Function 8–15 Dimmer Reset 16–23 Red Shift On 24–31 Red Shift Off 32–39 Dimmer S-Curve 40–47 Dimmer Linear 48–55 Dimmer Square 56–63 Dimmer Inverse Square 64–71 Dimmer Mode Off 72–79 Dimmer Mode 1 80–87 Dimmer Mode 2 88–95 Dimmer Mode 3 96–103 X-Fade Speed Off 104–111 X-Fade Speed 1 112–119 X-Fade Speed 2 120–127 X-Fade Speed 3 128–135 X-Fade Speed 4 136–255 No Function
29	Red Shift	30	0–127 Off 128–254 Mid 255–255 Long