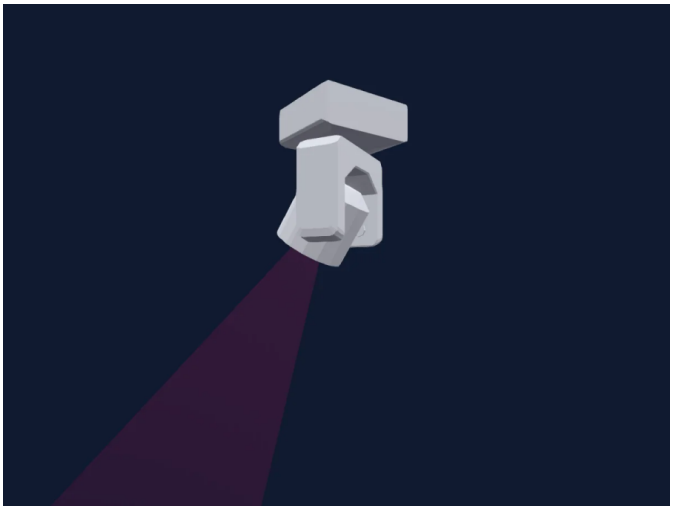
EK Lights

R3 Wash



Manufacturer	**EK Lights**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**16, 20 channels**
Beam angle	**4-57°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**162 × 163 × 161 mm**
GDTF fixture type	**DC76217E-3D2D-4818-A01A-E2…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt

Safety-relevant functions

Fixture reset · Service functions

DMX modes

16CH	16 ch
20CH	20 ch

16CH

16 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	255	
5	C TO	0	0–9 Open 10–254 8000K 255–255 2500K
6	Color Macro1	0	
7	Shutter / Strobe	255	0–3 Closed 4–36 Slow Strobe 37–69 Med Strobe 70–103 Strobe · Fast Stobe 10.3–15 Hz 104–107 Open 108–140 Slow Pulse 141–173 Med Pulse 174–207 Fast Pulse 208–212 Open 1 213–225 Strobe Random · Slow Rand 1–5.42 Hz 226–238 Strobe Random · Med Rand 5.79–10.2 Hz 239–251 Strobe Random · Fast Rand 10.6–15 Hz 252–255 Open 2
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Pan	128	0–127 Min 128–254 Centre 255–255 Max
11	Pan Fine	0	Fine byte of Pan
12	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
13	Tilt Fine	0	Fine byte of Tilt
14	Zoom	128	0–127 Narrow 128–254 Med 255–255 Wide
15	Control1	0	0–11 No Function 12–24 PT Fast 25–37 PT Normal 38–42 Curve 1 (Default) 43–47 Curve 2 48–52 Curve 3 53–57 Curve 4 58–62 Raw Gamma 1 63–67 Raw Gamma 1*1 68–72 Raw Gamma 2*2 (Default) 73–77 Calibration Off 78–82 Calibration Adjust 83–87 Calibrator 88–167 No Function 1 168–188 600Hz 189–199 1200Hz 200–210 2000Hz 211–221 4000Hz 222–232 6000Hz 233–243 25000Hz 244–255 Restore Defaults

16CH (continued)

Ch	Function	Default	DMX values
16	Fixture Global Reset	26	0–25 NoFeature 1 26–76 Zoom Reset 77–127 P/T Reset 128–255 All Reset

20CH

20 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 Open 10–254 8000K 255–255 2500K
10	Color Macro1	0	
11	Shutter / Strobe	255	0–3 Closed 4–36 Slow Strobe 37–69 Med Strobe 70–103 Strobe · Fast Stobe 10.3–15 Hz 104–107 Open 108–140 Slow Pulse 141–173 Med Pulse 174–207 Fast Pulse 208–212 Open 1 213–225 Strobe Random · Slow Rand 1–5.42 Hz 226–238 Strobe Random · Med Rand 5.79–10.2 Hz 239–251 Strobe Random · Fast Rand 10.6–15 Hz 252–255 Open 2
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	0–127 Min 128–254 Centre 255–255 Max
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
17	Tilt Fine	0	Fine byte of Tilt
18	Zoom	128	0–127 Narrow 128–254 Med 255–255 Wide

20CH (continued)

Ch	Function	Default	DMX values
19	Control1	0	0–11 No Function 12–24 PT Fast 25–37 PT Normal 38–42 Curve 1 (Default) 43–47 Curve 2 48–52 Curve 3 53–57 Curve 4 58–62 Raw Gamma 1 63–67 Raw Gamma 1*1 68–72 Raw Gamma 2*2 (Default) 73–77 Calibration Off 78–82 Calibration Adjust 83–87 Calibrator 88–167 No Function 1 168–188 600Hz 189–199 1200Hz 200–210 2000Hz 211–221 4000Hz 222–232 6000Hz 233–243 25000Hz 244–255 Restore Defaults
20	Fixture Global Reset	26	0–25 NoFeature 1 26–76 Zoom Reset 77–127 P/T Reset 128–255 All Reset