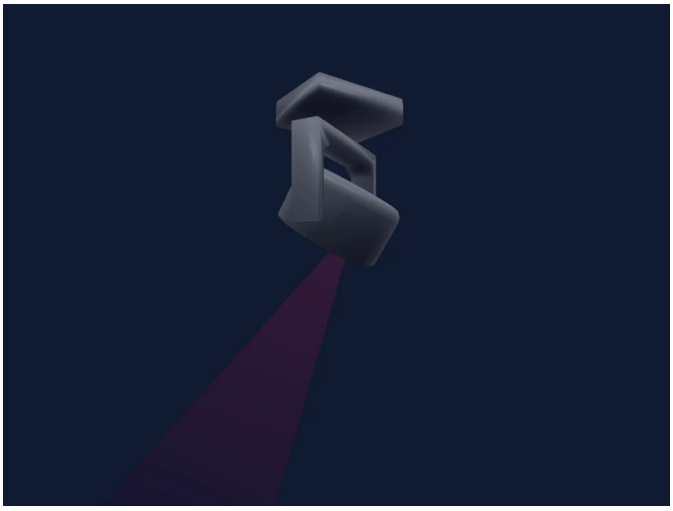
EK Lights

EC60



Manufacturer	**EK Lights**
Type	**Moving head**
DMX modes	**13**
DMX footprint	**18, 36, 37, 40, 41 channels**
Beam angle	**3.8-50°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**3**
Size (W × H × D)	**550 × 293 × 550 mm**
GDTF fixture type	**B5288269-052E-4033-8B57-C05…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

Basic	18 ch
Basic + Circle Engine	18 ch
Basic + RGBW Engine	18 ch
Basic Pixel	18 ch
Basic XY	18 ch
Advanced	36 ch
Advanced + Circle Engine	36 ch
Advanced + RGBW Engine	36 ch
Standard	37 ch
Standard + Circle Engine	37 ch
Standard + RGBW Engine	37 ch
Advanced Pixel	40 ch
Standard Pixel	41 ch

Basic

18 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Closed 4–51 Strobe · Str Slow 1–12.4 Hz 52–102 Strobe · Str Med 12.6–24.8 Hz 103–103 Strobe · Str Fast 25 Hz 104–107 Open 1 108–156 Strobe Pulse · Pul Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Pul Med 3.22–5.94 Hz 207–207 Strobe Pulse · Pul Fast 6 Hz 208–212 Open 2 213–225 Strobe Random · Ran Slow 1–8.58 Hz 226–238 Strobe Random · Ran Med 9.21–16.8 Hz 239–251 Strobe Random · Ran Fast 17.4–25 Hz 252–255 Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	C TO	0	0–4 Open 5–254 10000 255–255 2800
10	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow

Basic (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
14	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	255	

Basic + Circle Engine

18 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Basic + Circle Engine (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Closed 4–51 Strobe · Str Slow 1–12.4 Hz 52–102 Strobe · Str Med 12.6–24.8 Hz 103–103 Strobe · Str Fast 25 Hz 104–107 Open 1 108–156 Strobe Pulse · Pul Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Pul Med 3.22–5.94 Hz 207–207 Strobe Pulse · Pul Fast 6 Hz 208–212 Open 2 213–225 Strobe Random · Ran Slow 1–8.58 Hz 226–238 Strobe Random · Ran Med 9.21–16.8 Hz 239–251 Strobe Random · Ran Fast 17.4–25 Hz 252–255 Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	C TO	0	0–4 Open 5–254 10000 255–255 2800
10	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow

Basic + Circle Engine (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
14	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
15	Dummy	0	
16	No Feature	0	
17	Dummy	0	
18	No Feature	0	

Basic + RGBW Engine

18 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Basic + RGBW Engine (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Closed 4–51 Strobe · Str Slow 1–12.4 Hz 52–102 Strobe · Str Med 12.6–24.8 Hz 103–103 Strobe · Str Fast 25 Hz 104–107 Open 1 108–156 Strobe Pulse · Pul Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Pul Med 3.22–5.94 Hz 207–207 Strobe Pulse · Pul Fast 6 Hz 208–212 Open 2 213–225 Strobe Random · Ran Slow 1–8.58 Hz 226–238 Strobe Random · Ran Med 9.21–16.8 Hz 239–251 Strobe Random · Ran Fast 17.4–25 Hz 252–255 Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	C TO	0	0–4 Open 5–254 10000 255–255 2800
10	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow

Basic + RGBW Engine (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
14	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
15	Dummy	0	
16	No Feature	0	
17	Dummy	0	
18	No Feature	0	

Basic Pixel

18 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Basic Pixel (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Closed 4–51 Strobe · Str Slow 1–12.4 Hz 52–102 Strobe · Str Med 12.6–24.8 Hz 103–103 Strobe · Str Fast 25 Hz 104–107 Open 1 108–156 Strobe Pulse · Pul Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Pul Med 3.22–5.94 Hz 207–207 Strobe Pulse · Pul Fast 6 Hz 208–212 Open 2 213–225 Strobe Random · Ran Slow 1–8.58 Hz 226–238 Strobe Random · Ran Med 9.21–16.8 Hz 239–251 Strobe Random · Ran Fast 17.4–25 Hz 252–255 Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	C TO	0	0–4 Open 5–254 10000 255–255 2800
10	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow

Basic Pixel (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
14	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	255	

Basic XY

18 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Basic XY (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Closed 4–51 Strobe · Str Slow 1–12.4 Hz 52–102 Strobe · Str Med 12.6–24.8 Hz 103–103 Strobe · Str Fast 25 Hz 104–107 Open 1 108–156 Strobe Pulse · Pul Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Pul Med 3.22–5.94 Hz 207–207 Strobe Pulse · Pul Fast 6 Hz 208–212 Open 2 213–225 Strobe Random · Ran Slow 1–8.58 Hz 226–238 Strobe Random · Ran Med 9.21–16.8 Hz 239–251 Strobe Random · Ran Fast 17.4–25 Hz 252–255 Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	C TO	0	0–4 Open 5–254 10000 255–255 2800
10	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow

Basic XY (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
14	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
15	C IEX	80	
16	C IEX Fine	220	Fine byte of C IEX
17	C IEY	83	
18	C IEY Fine	152	Fine byte of C IEY

Advanced

36 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Advanced (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Main Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Main Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Main Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Main Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Main Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Main Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Main Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Main Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Main Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Advanced (continued)

Ch	Function	Default	DMX values
9	Control1	160	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Green	255	
14	Blue	255	
15	White	255	
16	C TO	0	0–4 Main_Open 5–254 10000 255–255 2800
17	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max

Advanced (continued)

Ch	Function	Default	DMX values
18	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
19	Dimmer	255	0–254 Closed 255–255 Open
20	Red	255	
21	Green	255	
22	Blue	255	
23	White	255	
24	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
25	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
26	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
27	Dimmer	0	0–254 Closed 255–255 Open
28	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Advanced (continued)

Ch	Function	Default	DMX values
29	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
30	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
31	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
32	Effect Transition	0	0–254 Snap 255–255 Cross Fade
33	Dummy	0	
34	No Feature	0	
35	Dummy	0	
36	No Feature	0	

Advanced + Circle Engine

36 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Main Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Main Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Main Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Main Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Main Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Main Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Main Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Main Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Main Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Advanced + Circle Engine (continued)

Ch	Function	Default	DMX values
9	Control1	160	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Green	255	
14	Blue	255	
15	White	255	
16	C TO	0	0–4 BG_Open 5–254 10000 255–255 2800
17	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max

Advanced + Circle Engine (continued)

Ch	Function	Default	DMX values
18	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
19	Dimmer	255	0–254 Closed 255–255 Open
20	Red	255	
21	Green	255	
22	Blue	255	
23	White	255	
24	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
25	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
26	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
27	Dimmer	0	0–254 Closed 255–255 Open
28	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Advanced + Circle Engine (continued)

Ch	Function	Default	DMX values
29	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
30	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
31	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
32	Effect Transition	0	0–254 Snap 255–255 Cross Fade

Advanced + Circle Engine (continued)

Ch	Function	Default	DMX values
33	Shutter / Strobe 4	255	0–3 Array Closed 4–51 Strobe · Ar_Str_Slow 1–12.4 Hz 52–102 Strobe · Ar_Str_Med 12.6–24.8 Hz 103–103 Strobe · Ar_Str_Fast 25 Hz 104–107 Array Open 1 108–156 Strobe Pulse · Ar_Pul_Slow 0.5–12.4 Hz 157–206 Strobe Pulse · Ar_Pul_Med 12.6–24.8 Hz 207–207 Strobe Pulse · Ar_Pul_Fast 25 Hz 208–212 Array Open 2 213–225 Strobe Random · Ar_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Ar_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Ar_Ran_Fast 17.4–25 Hz 252–255 Array Open 3
34	Dimmer	255	0–254 Closed 255–255 Open
35	C TO	0	0–4 Array_Open 5–254 10000 255–255 2800
36	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max

Advanced + RGBW Engine

36 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Main Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Main Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Main Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Main Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Main Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Main Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Main Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Main Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Main Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Advanced + RGBW Engine (continued)

Ch	Function	Default	DMX values
9	Control1	160	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Green	255	
14	Blue	255	
15	White	255	
16	C TO	0	0–4 BG_Open 5–254 10000 255–255 2800
17	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max

Advanced + RGBW Engine (continued)

Ch	Function	Default	DMX values
18	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
19	Dimmer	255	0–254 Closed 255–255 Open
20	Red	255	
21	Green	255	
22	Blue	255	
23	White	255	
24	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
25	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
26	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
27	Dimmer	0	0–254 Closed 255–255 Open
28	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Advanced + RGBW Engine (continued)

Ch	Function	Default	DMX values
29	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
30	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
31	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
32	Effect Transition	0	0–254 Snap 255–255 Cross Fade

Advanced + RGBW Engine (continued)

Ch	Function	Default	DMX values
33	Shutter / Strobe	255	0–3 Array Closed 4–51 Strobe · Ar_Str_Slow 1–12.4 Hz 52–102 Strobe · Ar_Str_Med 12.6–24.8 Hz 103–103 Strobe · Ar_Str_Fast 25 Hz 104–107 Array Open 1 108–156 Strobe Pulse · Ar_Pul_Slow 0.5–12.4 Hz 157–206 Strobe Pulse · Ar_Pul_Med 12.6–24.8 Hz 207–207 Strobe Pulse · Ar_Pul_Fast 25 Hz 208–212 Array Open 2 213–225 Strobe Random · Ar_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Ar_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Ar_Ran_Fast 17.4–25 Hz 252–255 Array Open 3
34	Dimmer	255	0–254 Closed 255–255 Open
35	C TO	0	0–4 Array_Open 5–254 10000 255–255 2800
36	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max

Standard

37 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Standard (continued)

Ch	Function	Default	DMX values
9	Control1	0	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	White	255	
19	White Fine	255	Fine byte of White
20	C TO	0	0–4 Main_Open 5–254 10000 255–255 2800

Standard (continued)

Ch	Function	Default	DMX values
21	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
22	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow
23	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
24	Dimmer	255	0–254 Closed 255–255 Open
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
30	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
31	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
32	Dimmer	0	0–254 Closed 255–255 Open
33	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Standard (continued)

Ch	Function	Default	DMX values
34	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
35	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
36	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
37	Effect Transition	0	0–254 Snap 255–255 Cross Fade

Standard + Circle Engine

37 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Standard + Circle Engine (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Standard + Circle Engine (continued)

Ch	Function	Default	DMX values
9	Control1	160	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	White	255	
19	White Fine	255	Fine byte of White
20	C TO	0	0–4 Main_Open 5–254 10000 255–255 2800

Standard + Circle Engine (continued)

Ch	Function	Default	DMX values
21	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
22	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow
23	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
24	Dimmer	255	0–254 Closed 255–255 Open
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
30	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
31	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
32	Dimmer	0	0–254 Closed 255–255 Open
33	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Standard + Circle Engine (continued)

Ch	Function	Default	DMX values
34	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
35	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
36	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
37	Effect Transition	0	0–254 Snap 255–255 Cross Fade

Standard + RGBW Engine

37 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Standard + RGBW Engine (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Standard + RGBW Engine (continued)

Ch	Function	Default	DMX values
9	Control1	160	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	White	255	
19	White Fine	255	Fine byte of White
20	C TO	0	0–4 Main_Open 5–254 10000 255–255 2800

Standard + RGBW Engine (continued)

Ch	Function	Default	DMX values
21	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
22	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow
23	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
24	Dimmer	255	0–254 Closed 255–255 Open
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
30	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
31	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
32	Dimmer	0	0–254 Closed 255–255 Open
33	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Standard + RGBW Engine (continued)

Ch	Function	Default	DMX values
34	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
35	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
36	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
37	Effect Transition	0	0–254 Snap 255–255 Cross Fade

Advanced Pixel

40 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Advanced Pixel (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Main Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Main Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Main Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Main Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Main Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Main Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Main Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Main Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Main Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Advanced Pixel (continued)

Ch	Function	Default	DMX values
9	Control1	160	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Green	255	
14	Blue	255	
15	White	255	
16	C TO	0	0–4 BG_Open 5–254 10000 255–255 2800
17	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max

Advanced Pixel (continued)

Ch	Function	Default	DMX values
18	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
19	Dimmer	255	0–254 Closed 255–255 Open
20	Red	255	
21	Green	255	
22	Blue	255	
23	White	255	
24	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
25	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
26	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
27	Dimmer	0	0–254 Closed 255–255 Open
28	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Advanced Pixel (continued)

Ch	Function	Default	DMX values
29	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
30	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
31	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
32	Effect Transition	0	0–254 Snap 255–255 Cross Fade

Advanced Pixel (continued)

Ch	Function	Default	DMX values
33	Shutter / Strobe 4	255	0–3 Array Closed 4–51 Strobe · Ar_Str_Slow 1–12.4 Hz 52–102 Strobe · Ar_Str_Med 12.6–24.8 Hz 103–103 Strobe · Ar_Str_Fast 25 Hz 104–107 Array Open 1 108–156 Strobe Pulse · Ar_Pul_Slow 0.5–12.4 Hz 157–206 Strobe Pulse · Ar_Pul_Med 12.6–24.8 Hz 207–207 Strobe Pulse · Ar_Pul_Fast 25 Hz 208–212 Array Open 2 213–225 Strobe Random · Ar_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Ar_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Ar_Ran_Fast 17.4–25 Hz 252–255 Array Open 3
34	Dimmer	255	0–254 Closed 255–255 Open
35	C TO	0	0–4 Array_Open 5–254 10000 255–255 2800
36	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	255	

Standard Pixel

41 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
6	Shutter / Strobe	255	0–3 Main Closed 4–51 Strobe · Main_Str_Slow 1–12.4 Hz 52–102 Strobe · Main_Str_Med 12.6–24.8 Hz 103–103 Strobe · Main_Str_Fast 25 Hz 104–107 Main Open 1 108–156 Strobe Pulse · Main_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Main_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Main_Pul_Fast 6 Hz 208–212 Main Open 2 213–225 Strobe Random · Main_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Main_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Main_Ran_Fast 17.4–25 Hz 252–255 Main Open 3
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Standard Pixel (continued)

Ch	Function	Default	DMX values
9	Control1	160	0–3 No Function 4–7 Fan Auto 8–11 Fan Silent 12–15 Fan Constant 16–19 Normal Tilt Speed 20–23 Fast Tilt Speed 24–39 No Function 40–43 Linear 44–47 Exponential 48–51 Logarithmic 52–55 S Curve 56–59 No Function 60–63 Raw Colour Gamma 1 64–67 Raw Colour Gamma 1*5 68–71 Raw Colour Gamma 2*2 72–75 Calibration Off 76–79 Factory Calibration 80–83 Customized Calibration 84–87 No Function 88–91 Reverse Mapping Off 92–95 Reverse Mapping On 96–97 Pixel Map Disabled 98–99 Pixel Circle Mode 100–103 Pixel RGBW Mode 104–107 Zoom Reposition On 108–111 Zoom Reposition Off 112–159 No Function 160–163 Dimmer Fade Off 164–167 Dimmer Fade On 168–171 600Hz 172–175 1200 Hz 176–179 2000 Hz 180–183 4000 Hz 184–187 6000 Hz 188–191 25000Hz 192–195 Display On 196–199 Off 10s 200–203 Off 20s 204–207 Off 30s 208–253 No Function 254–255 Restore Default
10	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Pan Tilt Reset 128–255 Reset All
11	C TCRGB	255	0–254 CTC 255–255 RGB
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	White	255	
19	White Fine	255	Fine byte of White
20	C TO	0	0–4 Main_Open 5–254 10000 255–255 2800

Standard Pixel (continued)

Ch	Function	Default	DMX values
21	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
22	Dimmer Fade	0	0–127 Fast 128–254 Med 255–255 Slow
23	Shutter / Strobe 2	255	0–3 BG Closed 4–51 Strobe · BG_Str_Slow 1–12.4 Hz 52–102 Strobe · BG_Str_Med 12.6–24.8 Hz 103–103 Strobe · BG_Str_Fast 25 Hz 104–107 BG Open 1 108–156 Strobe Pulse · BG_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · BG_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · BG_Pul_Fast 6 Hz 208–212 BG Open 2 213–225 Strobe Random · BG_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · BG_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · BG_Ran_Fast 17.4–25 Hz 252–255 BG Open 3
24	Dimmer	255	0–254 Closed 255–255 Open
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	C TO	0	0–4 Sha_Open 5–254 10000 255–255 2800
30	Tint	128	0–127 Red Max 128–254 Tint Off 255–255 Green Max
31	Shutter / Strobe 3	255	0–3 Shape Closed 4–51 Strobe · Sha_Str_Slow 1–12.4 Hz 52–102 Strobe · Sha_Str_Med 12.6–24.8 Hz 103–103 Strobe · Sha_Str_Fast 25 Hz 104–107 Sha Open 1 108–156 Strobe Pulse · Sha_Pul_Slow 0.5–3.17 Hz 157–206 Strobe Pulse · Sha_Pul_Med 3.22–5.94 Hz 207–207 Strobe Pulse · Sha_Pul_Fast 6 Hz 208–212 Sha Open 2 213–225 Strobe Random · Sha_Ran_Slow 1–8.58 Hz 226–238 Strobe Random · Sha_Ran_Med 9.21–16.8 Hz 239–251 Strobe Random · Sha_Ran_Fast 17.4–25 Hz 252–255 Sha Open 3
32	Dimmer	0	0–254 Closed 255–255 Open
33	Effect Mode	0	0–5 Disable 6–130 Static 131–255 Dynamic

Standard Pixel (continued)

Ch	Function	Default	DMX values
34	Effect	0	0–7 Effect 1 8–15 Effect 2 16–23 Effect 3 24–31 Effect 4 32–38 Effect 5 39–46 Effect 6 47–54 Effect 7 55–62 Effect 8 63–69 Effect 9 70–77 Effect 10 78–85 Effect 11 86–93 Effect 12 94–100 Effect 13 101–108 Effect 14 109–116 Effect 15 117–124 Effect 16 125–131 Effect 17 132–139 Effect 18 140–147 Effect 19 148–155 Effect 20 156–162 Effect 21 163–170 Effect 22 171–178 Effect 23 179–186 Effect 24 187–193 Effect 25 194–201 Effect 26 202–209 Effect 27 210–217 Effect 28 218–224 Effect 29 225–232 Effect 30 233–240 Effect 31 241–248 Effect 32 249–255 Effect 33
35	Effect Speed	128	0–61 Min 62–123 FWD Med 124–124 FWD Slow 125–127 Stop 128–130 Centre 131–192 REV Slow 193–254 REV Med 255–255 Max
36	Effects1Fade	0	0–5 Off 6–67 Fade Fast 68–129 Fade Med 130–130 Fade Slow 131–192 Wave Fast 193–254 Wave Med 255–255 Wave Slow
37	Effect Transition	0	0–254 Snap 255–255 Cross Fade
38	Red	255	
39	Green	255	
40	Blue	255	
41	White	255	