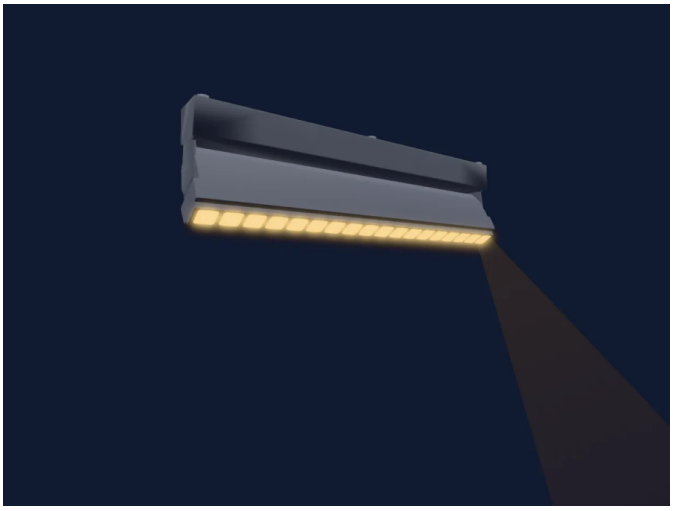
Robe Lighting

Robin Tetra2



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**34, 46, 56, 59, 60, 115 channels**
Beam angle	**4-45°**
Tilt range	**191°**
Heads / cells	**21**
Size (W × H × D)	**1000 × 174 × 105 mm**
GDTF fixture type	**5A7B5195-AF40-4BDA-A658-C…**

Controls

Zoom · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 1-Wash	34 ch
Mode 3-Pixel RGB	46 ch
Mode 2-Pattern	56 ch
Mode 5-Pattern full RGB	59 ch
Mode 6-Pattern full RGBW	60 ch
Mode 4-Pixel RGBW	115 ch

Mode 1-Wash

34 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–34 RGBW colour mixing mode 35–39 CMY colour mixing mode 40–44 Tilt speed mode 45–49 Tilt time mode 50–54 Blackout while tilt moving 55–59 Disabled blackout while tilt moving 60–64 Dimmer curve Square law 65–69 Dimmer curve Linear 70–74 Fans mode Auto 75–79 Fans mode High 80–84 White point 8000K On 85–89 White point 8000K Off 90–94 Automatic white pixel ON 95–99 Automatic white pixel OFF 100–104 Fans On at blackout 105–109 Fans Off at blackout 110–114 Kling-Net On 115–119 Kling-Net Off 120–124 Parking position On 125–129 Parking position Off 130–139 Fixture reset (except PT) 140–149 Tilt reset 150–159 Zoom reset 160–169 Flower effects reset 170–171 Tungsten effect simulation 750W 172–173 Tungsten effect simulation 1000W 174–175 Tungsten effect simulation 1200W 176–177 Tungsten effect simulation 2000W 178–179 Tungsten effect simulation 2500W 180–181 Tungsten effect simulation Off 182–199 Reserved 3 200–209 Total fixture reset 210–226 PixelIndex min 227–227 PixelIndex max 228–229 Pixel mirror On 230–231 Pixel mirror Off 232–236 No function 237–237 Save Pixel index and Mirror to fixture 238–239 Reserved 4 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	L EDFrequency	5	0–4 PWM frequency from Display menu 5–9 300Hz 10–14 NoFunction 15–19 600Hz 20–255 NoFeature

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
6	L EDFrequency Adjusting	0	0–121 Selected LED frequency 122–122 LED Frequency (step -6) 123–123 LED Frequency (step -5) 124–124 LED Frequency (step -4) 125–125 LED Frequency (step -3) 126–126 LED Frequency (step -2) 127–127 LED Frequency (step -1) 128–128 Selected LED Frequency 129–129 LED Frequency (step +1) 130–130 LED Frequency (step +2) 131–131 LED Frequency (step +3) 132–132 LED Frequency (step +4) 133–133 LED Frequency (step +5) 134–255 LED Frequency (step +6)

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
13	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
14	Dimmer	255	0–254 Closed 255–255 Open
15	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors
16	Flower Effect	0	0–0 Open position/Flower Effect Off 1–127 Flower Effect forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
17	Red	255	
18	Green	255	
19	Blue	255	
20	White	255	
21	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
22	Dimmer	255	0–254 Closed 255–255 Open
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
31	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
32	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
33	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
34	Dimmer	0	0–254 Closed 255–255 Open

Mode 3-Pixel RGB

46 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–9 No control 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–34 RGBW colour mixing mode 35–39 CMY colour mixing mode 40–44 Tilt speed mode 45–49 Tilt time mode 50–54 Blackout while tilt moving 55–59 Disabled blackout while tilt moving 60–64 Dimmer curve Square law 65–69 Dimmer curve Linear 70–74 Fans mode Auto 75–79 Fans mode High 80–84 White point 8000K On 85–89 White point 8000K Off 90–94 Automatic white pixel ON 95–99 Automatic white pixel OFF 100–104 Fans On at blackout 105–109 Fans Off at blackout 110–114 Kling-Net On 115–119 Kling-Net Off 120–124 Parking position On 125–129 Parking position Off 130–139 Fixture reset (except PT) 140–149 Tilt reset 150–159 Zoom reset 160–169 Flower effects reset 170–171 Tungsten effect simulation 750W 172–173 Tungsten effect simulation 1000W 174–175 Tungsten effect simulation 1200W 176–177 Tungsten effect simulation 2000W 178–179 Tungsten effect simulation 2500W 180–181 Tungsten effect simulation Off 182–199 Reserved 3 200–209 Total fixture reset 210–226 PixelIndex min 227–227 PixelIndex max 228–229 Pixel mirror On 230–231 Pixel mirror Off 232–236 No function 237–237 Save Pixel index and Mirror to fixture 238–239 Reserved 4 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	L EDFrequency	5	0–4 PWM frequency from Display menu 5–9 300Hz 10–14 NoFunction 15–19 600Hz 20–255 NoFeature

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
6	L EDFrequency Adjusting	0	0–121 Selected LED frequency 122–122 LED Frequency (step -6) 123–123 LED Frequency (step -5) 124–124 LED Frequency (step -4) 125–125 LED Frequency (step -3) 126–126 LED Frequency (step -2) 127–127 LED Frequency (step -1) 128–128 Selected LED Frequency 129–129 LED Frequency (step +1) 130–130 LED Frequency (step +2) 131–131 LED Frequency (step +3) 132–132 LED Frequency (step +4) 133–133 LED Frequency (step +5) 134–255 LED Frequency (step +6)

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors
21	Flower Effect	0	0–0 Open position/Flower Effect Off 1–127 Flower Effect forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	255	

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
26	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
27	Dimmer	255	0–254 Closed 255–255 Open
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
36	Zoom Fine	0	Fine byte of Zoom
37	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
38	Zoom Fine	0	Fine byte of Zoom
39	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
40	Zoom Fine	0	Fine byte of Zoom
41	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
42	Dimmer	0	0–254 Closed 255–255 Open
43	Dimmer Fine	0	Fine byte of Dimmer
44	Red	0	
45	Green	0	
46	Blue	0	

Mode 2-Pattern

56 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–34 RGBW colour mixing mode 35–39 CMY colour mixing mode 40–44 Tilt speed mode 45–49 Tilt time mode 50–54 Blackout while tilt moving 55–59 Disabled blackout while tilt moving 60–64 Dimmer curve Square law 65–69 Dimmer curve Linear 70–74 Fans mode Auto 75–79 Fans mode High 80–84 White point 8000K On 85–89 White point 8000K Off 90–94 Automatic white pixel ON 95–99 Automatic white pixel OFF 100–104 Fans On at blackout 105–109 Fans Off at blackout 110–114 Kling-Net On 115–119 Kling-Net Off 120–124 Parking position On 125–129 Parking position Off 130–139 Fixture reset (except PT) 140–149 Tilt reset 150–159 Zoom reset 160–169 Flower effects reset 170–171 Tungsten effect simulation 750W 172–173 Tungsten effect simulation 1000W 174–175 Tungsten effect simulation 1200W 176–177 Tungsten effect simulation 2000W 178–179 Tungsten effect simulation 2500W 180–181 Tungsten effect simulation Off 182–199 Reserved 3 200–209 Total fixture reset 210–226 PixelIndex min 227–227 PixelIndex max 228–229 Pixel mirror On 230–231 Pixel mirror Off 232–236 No function 237–237 Save Pixel index and Mirror to fixture 238–239 Reserved 4 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	L EDFrequency	5	0–4 PWM frequency from Display menu 5–9 300Hz 10–14 NoFunction 15–19 600Hz 20–255 NoFeature

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
6	L EDFrequency Adjusting	0	0–121 Selected LED frequency 122–122 LED Frequency (step -6) 123–123 LED Frequency (step -5) 124–124 LED Frequency (step -4) 125–125 LED Frequency (step -3) 126–126 LED Frequency (step -2) 127–127 LED Frequency (step -1) 128–128 Selected LED Frequency 129–129 LED Frequency (step +1) 130–130 LED Frequency (step +2) 131–131 LED Frequency (step +3) 132–132 LED Frequency (step +4) 133–133 LED Frequency (step +5) 134–255 LED Frequency (step +6)

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors
21	Flower Effect	0	0–0 Open position/Flower Effect Off 1–127 Flower Effect forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	255	

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
26	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
27	Dimmer	255	0–254 Closed 255–255 Open
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
36	Zoom Fine	0	Fine byte of Zoom
37	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
38	Zoom Fine	0	Fine byte of Zoom
39	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
40	Zoom Fine	0	Fine byte of Zoom
41	Pattern Selection	0	0–2 No pattern 3–4 Pattern 1 5–6 Pattern 2 7–8 Pattern 3 9–10 Pattern 4 11–12 Pattern 5 13–14 Pattern 6 15–16 Pattern 7 17–18 Pattern 8 19–20 Pattern 9 21–22 Pattern 10 23–24 Pattern 11 25–26 Pattern 12 27–255 Reserved

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
42	Pattern Size	0	0–2 Variant 1 3–4 Variant 2 5–6 Variant 3 7–8 Variant 4 9–10 Variant 5 11–12 Variant 6 13–14 Variant 7 15–16 Variant 8 17–18 Variant 9 19–20 Variant 10 21–22 Variant 11 23–24 Variant 12 25–26 Variant 13 27–28 Variant 14 29–30 Variant 15 31–32 Variant 16 33–34 Variant 17 35–255 Reserved
43	Pattern Rotation	0	0–0 No movement 1–127 CW movement fast to slow 128–128 Pause - without movement 129–255 CCW movement slow to fast
44	Pattern Fade	0	0–0 Snap 1–254 Fade min 255–255 Fade max
45	Pattern Transition	0	0–0 No fade 1–254 100 ms 255–255 4 s
46	Pattern Crossfade	255	0–254 Background 255–255 Pattern
47	Red	255	
48	Green	255	
49	Blue	255	
50	White	255	
51	Color Macro1	0	0–2 No macro 3–8 Macro 1 9–14 Macro 2 15–20 Macro 3 21–26 Macro 4 27–32 Macro 5 33–38 Macro 6 39–44 Macro 7 45–50 Macro 8 51–56 Macro 9 57–62 Macro 10 63–68 Macro 11 69–74 Macro 12 75–80 Macro 13 81–86 Macro 14 87–92 Macro 15 93–98 Macro 16 99–104 Macro 17 105–110 Macro 18 111–116 Macro 19 117–122 Macro 20 123–128 Macro 21 129–134 Macro 22 135–140 Macro 23 141–255 Reserved

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
52	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–223 Random strobe min 224–255 Shutter open
53	Dimmer	255	0–254 Closed 255–255 Open
54	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
55	Dimmer	0	0–254 Closed 255–255 Open
56	Dimmer Fine	0	Fine byte of Dimmer

Mode 5-Pattern full RGB

59 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Position MSpeed	0	

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–34 RGBW colour mixing mode 35–39 CMY colour mixing mode 40–44 Tilt speed mode 45–49 Tilt time mode 50–54 Blackout while tilt moving 55–59 Disabled blackout while tilt moving 60–64 Dimmer curve Square law 65–69 Dimmer curve Linear 70–74 Fans mode Auto 75–79 Fans mode High 80–84 White point 8000K On 85–89 White point 8000K Off 90–94 Automatic whete pixel ON 95–99 Automatic whete pixel OFF 100–104 Fans On at blackout 105–109 Fans Off at blackout 110–114 Kling-Net On 115–119 Kling-Net Off 120–124 Parking position On 125–129 Parking position Off 130–139 Fixture reset (except PT) 140–149 Tilt reset 150–159 Zoom reset 160–169 Flower effects reset 170–171 Tungsten effect simulation 750W 172–173 Tungsten effect simulation 1000W 174–175 Tungsten effect simulation 1200W 176–177 Tungsten effect simulation 2000W 178–179 Tungsten effect simulation 2500W 180–181 Tungsten effect simulation Off 182–199 Reserved 3 200–209 Total fixture reset 210–226 PixelIndex min 227–227 PixelIndex max 228–229 Pixel mirror On 230–231 Pixel mirror Off 232–236 No function 237–237 Save Pixel index and Mirror to fixture 238–239 Reserved 4 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	L EDFrequency	5	0–4 PWM frequency from Display menu 5–9 300Hz 10–14 NoFunction 15–19 600Hz 20–255 NoFeature

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
6	L EDFrequency Adjusting	0	0–121 Selected LED frequency 122–122 LED Frequency (step -6) 123–123 LED Frequency (step -5) 124–124 LED Frequency (step -4) 125–125 LED Frequency (step -3) 126–126 LED Frequency (step -2) 127–127 LED Frequency (step -1) 128–128 Selected LED Frequency 129–129 LED Frequency (step +1) 130–130 LED Frequency (step +2) 131–131 LED Frequency (step +3) 132–132 LED Frequency (step +4) 133–133 LED Frequency (step +5) 134–255 LED Frequency (step +6)

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors
21	Flower Effect	0	0–0 Open position/Flower Effect Off 1–127 Flower Effect forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	255	

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
26	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
27	Dimmer	255	0–254 Closed 255–255 Open
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
36	Zoom Fine	0	Fine byte of Zoom
37	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
38	Zoom Fine	0	Fine byte of Zoom
39	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
40	Zoom Fine	0	Fine byte of Zoom
41	Pattern Selection	0	0–2 No pattern 3–4 Pattern 1 5–6 Pattern 2 7–8 Pattern 3 9–10 Pattern 4 11–12 Pattern 5 13–14 Pattern 6 15–16 Pattern 7 17–18 Pattern 8 19–20 Pattern 9 21–22 Pattern 10 23–24 Pattern 11 25–26 Pattern 12 27–255 Reserved

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
42	Pattern Size	0	0–2 Variant 1 3–4 Variant 2 5–6 Variant 3 7–8 Variant 4 9–10 Variant 5 11–12 Variant 6 13–14 Variant 7 15–16 Variant 8 17–18 Variant 9 19–20 Variant 10 21–22 Variant 11 23–24 Variant 12 25–26 Variant 13 27–28 Variant 14 29–30 Variant 15 31–32 Variant 16 33–34 Variant 17 35–255 Reserved
43	Pattern Rotation	0	0–0 No movement 1–127 CW movement fast to slow 128–128 Pause - without movement 129–255 CCW movement slow to fast
44	Pattern Fade	0	0–0 Snap 1–254 Fade min 255–255 Fade max
45	Pattern Transition	0	0–0 No fade 1–254 100 ms 255–255 4 s
46	Pattern Crossfade	255	0–254 Background 255–255 Pattern
47	Red	255	
48	Green	255	
49	Blue	255	
50	White	255	
51	Color Macro1	0	0–2 No macro 3–8 Macro 1 9–14 Macro 2 15–20 Macro 3 21–26 Macro 4 27–32 Macro 5 33–38 Macro 6 39–44 Macro 7 45–50 Macro 8 51–56 Macro 9 57–62 Macro 10 63–68 Macro 11 69–74 Macro 12 75–80 Macro 13 81–86 Macro 14 87–92 Macro 15 93–98 Macro 16 99–104 Macro 17 105–110 Macro 18 111–116 Macro 19 117–122 Macro 20 123–128 Macro 21 129–134 Macro 22 135–140 Macro 23 141–255 Reserved

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
52	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–223 Random strobe min 224–255 Shutter open
53	Dimmer	255	0–254 Closed 255–255 Open
54	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
55	Dimmer	0	0–254 Closed 255–255 Open
56	Dimmer Fine	0	Fine byte of Dimmer
57	Red	0	
58	Green	0	
59	Blue	0	

Mode 6-Pattern full RGBW

60 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Position MSpeed	0	

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–34 RGBW colour mixing mode 35–39 CMY colour mixing mode 40–44 Tilt speed mode 45–49 Tilt time mode 50–54 Blackout while tilt moving 55–59 Disabled blackout while tilt moving 60–64 Dimmer curve Square law 65–69 Dimmer curve Linear 70–74 Fans mode Auto 75–79 Fans mode High 80–84 White point 8000K On 85–89 White point 8000K Off 90–94 Automatic white pixel ON 95–99 Automatic white pixel OFF 100–109 Quiet mode 110–114 Kling-Net On 115–119 Kling-Net Off 120–124 Parking position On 125–129 Parking position Off 130–139 Fixture reset (except Tilt) 140–149 Tilt reset 150–159 Zoom reset 160–169 Flower effects reset 170–171 Tungsten effect simulation 750W 172–173 Tungsten effect simulation 1000W 174–175 Tungsten effect simulation 1200W 176–177 Tungsten effect simulation 2000W 178–179 Tungsten effect simulation 2500W 180–181 Tungsten effect simulation Off 182–199 Reserved 3 200–209 Total fixture reset 210–226 PixelIndex min 227–227 PixelIndex max 228–229 Pixel mirror On 230–231 Pixel mirror Off 232–236 No function 237–237 Save Pixel index and Mirror to fixture 238–239 Reserved 4 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	L EDFrequency	5	0–4 PWM frequency from Display menu 5–9 300Hz 10–14 NoFunction 15–19 600Hz 20–255 NoFeature

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
6	L EDFrequency Adjusting	0	0–121 Selected LED frequency 122–122 LED Frequency (step -6) 123–123 LED Frequency (step -5) 124–124 LED Frequency (step -4) 125–125 LED Frequency (step -3) 126–126 LED Frequency (step -2) 127–127 LED Frequency (step -1) 128–128 Selected LED Frequency 129–129 LED Frequency (step +1) 130–130 LED Frequency (step +2) 131–131 LED Frequency (step +3) 132–132 LED Frequency (step +4) 133–133 LED Frequency (step +5) 134–255 LED Frequency (step +6)

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors
21	Flower Effect	0	0–0 Open position/Flower Effect Off 1–127 Flower Effect forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	255	

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
26	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
27	Dimmer	255	0–254 Closed 255–255 Open
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
36	Zoom Fine	0	Fine byte of Zoom
37	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
38	Zoom Fine	0	Fine byte of Zoom
39	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
40	Zoom Fine	0	Fine byte of Zoom
41	Pattern Selection	0	0–2 No pattern 3–4 Pattern 1 5–6 Pattern 2 7–8 Pattern 3 9–10 Pattern 4 11–12 Pattern 5 13–14 Pattern 6 15–16 Pattern 7 17–18 Pattern 8 19–20 Pattern 9 21–22 Pattern 10 23–24 Pattern 11 25–26 Pattern 12 27–255 Reserved

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
42	Pattern Size	0	0–2 Variant 1 3–4 Variant 2 5–6 Variant 3 7–8 Variant 4 9–10 Variant 5 11–12 Variant 6 13–14 Variant 7 15–16 Variant 8 17–18 Variant 9 19–20 Variant 10 21–22 Variant 11 23–24 Variant 12 25–26 Variant 13 27–28 Variant 14 29–30 Variant 15 31–32 Variant 16 33–34 Variant 17 35–255 Reserved
43	Pattern Rotation	0	0–0 No movement 1–127 CW movement fast to slow 128–128 Pause - without movement 129–255 CCW movement slow to fast
44	Pattern Fade	0	0–0 Snap 1–254 Fade min 255–255 Fade max
45	Pattern Transition	0	0–0 No fade 1–254 100 ms 255–255 4 s
46	Pattern Crossfade	255	0–254 Background 255–255 Pattern
47	Red	255	
48	Green	255	
49	Blue	255	
50	White	255	
51	Color Macro1	0	0–2 No macro 3–8 Macro 1 9–14 Macro 2 15–20 Macro 3 21–26 Macro 4 27–32 Macro 5 33–38 Macro 6 39–44 Macro 7 45–50 Macro 8 51–56 Macro 9 57–62 Macro 10 63–68 Macro 11 69–74 Macro 12 75–80 Macro 13 81–86 Macro 14 87–92 Macro 15 93–98 Macro 16 99–104 Macro 17 105–110 Macro 18 111–116 Macro 19 117–122 Macro 20 123–128 Macro 21 129–134 Macro 22 135–140 Macro 23 141–255 Reserved

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
52	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–223 Random strobe min 224–255 Shutter open
53	Dimmer	255	0–254 Closed 255–255 Open
54	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
55	Dimmer	0	0–254 Closed 255–255 Open
56	Dimmer Fine	0	Fine byte of Dimmer
57	Red	0	
58	Green	0	
59	Blue	0	
60	White	0	

Mode 4-Pixel RGBW

115 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–34 RGBW colour mixing mode 35–39 CMY colour mixing mode 40–44 Tilt speed mode 45–49 Tilt time mode 50–54 Blackout while tilt moving 55–59 Disabled blackout while tilt moving 60–64 Dimmer curve Square law 65–69 Dimmer curve Linear 70–74 Fans mode Auto 75–79 Fans mode High 80–84 White point 8000K On 85–89 White point 8000K Off 90–94 Automatic white pixel ON 95–99 Automatic white pixel OFF 100–104 Fans On at blackout 105–109 Fans Off at blackout 110–114 Kling-Net On 115–119 Kling-Net Off 120–124 Parking position On 125–129 Parking position Off 130–139 Fixture reset (except PT) 140–149 Tilt reset 150–159 Zoom reset 160–169 Flower effects reset 170–171 Tungsten effect simulation 750W 172–173 Tungsten effect simulation 1000W 174–175 Tungsten effect simulation 1200W 176–177 Tungsten effect simulation 2000W 178–179 Tungsten effect simulation 2500W 180–181 Tungsten effect simulation Off 182–199 Reserved 3 200–209 Total fixture reset 210–226 PixelIndex min 227–227 PixelIndex max 228–229 Pixel mirror On 230–231 Pixel mirror Off 232–236 No function 237–237 Save Pixel index and Mirror to fixture 238–239 Reserved 4 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	L EDFrequency	5	0–4 PWM frequency from Display menu 5–9 300Hz 10–14 NoFunction 15–19 600Hz 20–255 NoFeature

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
6	L EDFrequency Adjusting	0	0–121 Selected LED frequency 122–122 LED Frequency (step -6) 123–123 LED Frequency (step -5) 124–124 LED Frequency (step -4) 125–125 LED Frequency (step -3) 126–126 LED Frequency (step -2) 127–127 LED Frequency (step -1) 128–128 Selected LED Frequency 129–129 LED Frequency (step +1) 130–130 LED Frequency (step +2) 131–131 LED Frequency (step +3) 132–132 LED Frequency (step +4) 133–133 LED Frequency (step +5) 134–255 LED Frequency (step +6)

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors
21	Flower Effect	0	0–0 Open position/Flower Effect Off 1–127 Flower Effect forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	255	

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
26	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
27	Dimmer	255	0–254 Closed 255–255 Open
28	Flower Effect	0	0–0 Open position/Flower Effect Off 1–127 Flower Effect forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
29	Red	255	
30	Green	255	
31	Blue	255	
32	White	255	
33	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Open pulse slow 143–143 Open pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
34	Dimmer	255	0–254 Closed 255–255 Open
35	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
36	Zoom Fine	0	Fine byte of Zoom
37	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
38	Zoom Fine	0	Fine byte of Zoom
39	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
40	Zoom Fine	0	Fine byte of Zoom

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
41	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe min 95–95 Strobe max 96–127 Shutter open 128–142 Opening pulse slow 143–143 Opening pulse fast 144–158 Closing pulse fast 159–159 Closing pulse slow 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
42	Dimmer	0	0–254 Closed 255–255 Open
43	Dimmer Fine	0	Fine byte of Dimmer
44	Red	0	
45	Green	0	
46	Blue	0	
47	White	0	
48	Red	0	
49	Green	0	
50	Blue	0	
51	White	0	
52	Red	0	
53	Green	0	
54	Blue	0	
55	White	0	
56	Red	0	
57	Green	0	
58	Blue	0	
59	White	0	
60	Red	0	
61	Green	0	
62	Blue	0	
63	White	0	
64	Red	0	
65	Green	0	
66	Blue	0	
67	White	0	
68	Red	0	
69	Green	0	
70	Blue	0	
71	White	0	
72	Red	0	
73	Green	0	
74	Blue	0	
75	White	0	
76	Red	0	

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
77	Green	0	
78	Blue	0	
79	White	0	
80	Red	0	
81	Green	0	
82	Blue	0	
83	White	0	
84	Red	0	
85	Green	0	
86	Blue	0	
87	White	0	
88	Red	0	
89	Green	0	
90	Blue	0	
91	White	0	
92	Red	0	
93	Green	0	
94	Blue	0	
95	White	0	
96	Red	0	
97	Green	0	
98	Blue	0	
99	White	0	
100	Red	0	
101	Green	0	
102	Blue	0	
103	White	0	
104	Red	0	
105	Green	0	
106	Blue	0	
107	White	0	
108	Red	0	
109	Green	0	
110	Blue	0	
111	White	0	
112	Red	0	
113	Green	0	
114	Blue	0	
115	White	0	