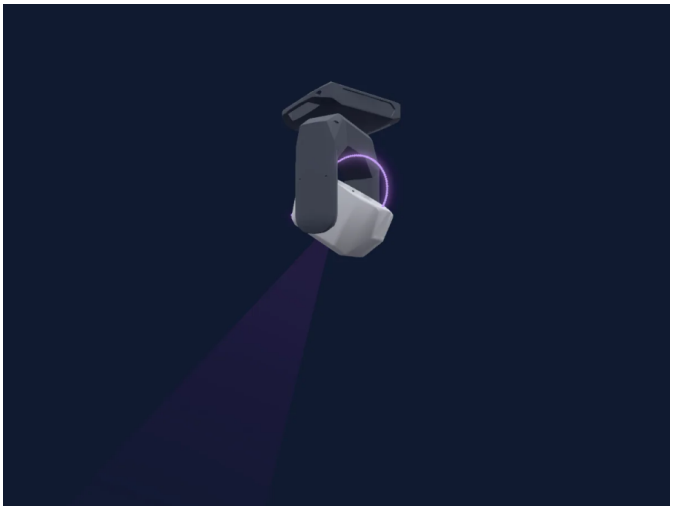
Cameo

Otos W12



Manufacturer	**Cameo**
Type	**Moving head**
DMX modes	**12**
DMX footprint	**13, 23, 24, 28, 29, 36, 40, 50, 144, 154 channels**
Beam angle	**5-55°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**4**
Size (W × H × D)	**400 × 390 × 230 mm**
GDTF fixture type	**118A05E9-6377-4605-B46C-72…**

Controls

Zoom · Extra LED colours · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt

DMX modes

13CH Dual	13 ch
23CH Dual	23 ch
23CH HSI Wash	23 ch
24CH RGBL Effect	24 ch
24CH RGBL Wash 8Bit	24 ch
28CH RGBL Wash	28 ch
29CH Dual Rings	29 ch
57CH RGBL Rings	36 ch
40CH HSI Pattern	40 ch
50CH RGBL Pattern	50 ch
165CH RGBL Pixel	144 ch
445CH RGBL Pixel Full	154 ch

13CH Dual

13 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Dimmer	0	0–254 Closed 255–255 Open
9	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
10	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
11	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide

13CH Dual (continued)

Ch	Function	Default	DMX values
12	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
13	Control1	0	

23CH Dual

23 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add GY	255	
12	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white

23CH Dual (continued)

Ch	Function	Default	DMX values
13	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green
14	Dimmer	0	0–254 Closed 255–255 Open
15	Red	255	
16	Green	255	
17	Blue	255	
18	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
19	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
20	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Color Mix Mode	127	0–254 Basis 255–255 Pixel
23	Control1	0	

23CH HSI Wash

23 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer

23CH HSI Wash (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	H SBHue	0	
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	0–254 0% (White) 255–255 100% (Color)
11	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
12	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

23CH HSI Wash (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–207 User Color 1 (wheel slot 51) 208–213 User Color 2 (wheel slot 52) 214–219 User Color 3 (wheel slot 53) 220–225 User Color 4 (wheel slot 54) 226–231 User Color 5 (wheel slot 55) 232–237 User Color 6 (wheel slot 56) 238–243 User Color 7 (wheel slot 57) 244–249 User Color 8 (wheel slot 58) 250–255 No function (wheel slot 1)

23CH HSI Wash (continued)

Ch	Function	Default	DMX values
14	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
15	Dimmer	0	0–254 Closed 255–255 Open
16	Red	255	
17	Green	255	
18	Blue	255	
19	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open
20	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
23	Control1	0	

24CH RGBL Effect

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer

24CH RGBL Effect (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add GY	255	
12	Dimmer	0	0–254 Closed 255–255 Open
13	Red	255	
14	Green	255	
15	Blue	255	
16	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open

24CH RGBL Effect (continued)

Ch	Function	Default	DMX values
17	Pattern	0	0–5 off (washlight Mode) 6–26 Nr 1 27–47 Nr 2 48–68 Nr 3 69–89 Nr 4 90–110 Nr 5 111–131 Nr 6 132–152 Nr 7 153–173 Nr 8 174–194 Nr 9 195–215 Nr 10 216–236 Nr 11 237–255 Nr 12
18	Pattern Speed	0	0–5 Stop 6–126 Chase slow forward 127–127 Chase fast forward 128–254 Fade fast Backward 255–255 Fade slow backward
19	Pattern	0	0–5 off (washlight Mode) 6–255 pattern Nr
20	Pattern Speed	0	0–5 Stop 6–127 slow to fast 128–255 fast to slow (backwards)
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
23	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
24	Control1	0	

24CH RGBL Wash 8Bit

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer

24CH RGBL Wash 8Bit (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add GY	0	
12	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
13	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

24CH RGBL Wash 8Bit (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–207 User Color 1 (wheel slot 51) 208–213 User Color 2 (wheel slot 52) 214–219 User Color 3 (wheel slot 53) 220–225 User Color 4 (wheel slot 54) 226–231 User Color 5 (wheel slot 55) 232–237 User Color 6 (wheel slot 56) 238–243 User Color 7 (wheel slot 57) 244–249 User Color 8 (wheel slot 58) 250–255 No function (wheel slot 1)

24CH RGBL Wash 8Bit (continued)

Ch	Function	Default	DMX values
15	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
16	Dimmer	0	0–254 Closed 255–255 Open
17	Red	255	
18	Green	255	
19	Blue	255	
20	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
23	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
24	Control1	0	

28CH RGBL Wash

28 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer

28CH RGBL Wash (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
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	Color Add GY	0	
15	Color Add GY Fine	0	Fine byte of Color Add GY
16	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
17	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

28CH RGBL Wash (continued)

Ch	Function	Default	DMX values
18	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–207 User Color 1 (wheel slot 51) 208–213 User Color 2 (wheel slot 52) 214–219 User Color 3 (wheel slot 53) 220–225 User Color 4 (wheel slot 54) 226–231 User Color 5 (wheel slot 55) 232–237 User Color 6 (wheel slot 56) 238–243 User Color 7 (wheel slot 57) 244–249 User Color 8 (wheel slot 58) 250–255 No function (wheel slot 1)

28CH RGBL Wash (continued)

Ch	Function	Default	DMX values
19	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
20	Dimmer	0	0–254 Closed 255–255 Open
21	Red	255	
22	Green	255	
23	Blue	255	
24	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open
25	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
26	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
27	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
28	Control1	0	

29CH Dual Rings

29 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Dimmer	0	0–254 Closed 255–255 Open

29CH Dual Rings (continued)

Ch	Function	Default	DMX values
8	Dimmer Fine	0	Fine byte of Dimmer
9	Dimmer	0	0–254 Closed 255–255 Open
10	Dimmer Fine	0	Fine byte of Dimmer
11	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–… 127–127 Strobe break effect · 1s short burst with break 0.5 … 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
12	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–… 127–127 Strobe break effect · 1s short burst with break 0.5 … 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open

29CH Dual Rings (continued)

Ch	Function	Default	DMX values
13	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
14	Red	255	
15	Green	255	
16	Blue	255	
17	Color Add GY	255	
18	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
19	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green
20	Dimmer	0	0–254 Closed 255–255 Open
21	Red	255	
22	Green	255	
23	Blue	255	

29CH Dual Rings (continued)

Ch	Function	Default	DMX values
24	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
25	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
26	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
27	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
28	Color Mix Mode	127	0–254 Basis 255–255 Pixel
29	Control1	0	

57CH RGBL Rings

36 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Dimmer	0	0–254 Closed 255–255 Open
10	Dimmer Fine	0	Fine byte of Dimmer

57CH RGBL Rings (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–… 127–127 Strobe break effect · 1s short burst with break 0.5 … 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
12	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–… 127–127 Strobe break effect · 1s short burst with break 0.5 … 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open

57CH RGBL Rings (continued)

Ch	Function	Default	DMX values
13	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
14	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
15	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green
16	Dimmer	0	0–254 Closed 255–255 Open

57CH RGBL Rings (continued)

Ch	Function	Default	DMX values
17	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
18	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
19	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
20	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
21	Control1	0	
22	Red	255	
23	Green	255	
24	Blue	255	
25	Color Add GY	0	
26	Red	255	
27	Green	255	
28	Blue	255	
29	Color Add GY	0	
30	Red	255	
31	Green	255	
32	Blue	255	
33	Color Add GY	0	
34	Red	255	
35	Green	255	
36	Blue	255	

40CH HSI Pattern

40 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan

40CH HSI Pattern (continued)

Ch	Function	Default	DMX values
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	H SBHue	0	
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	0–254 0% (White) 255–255 100% (Color)
11	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
12	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

40CH HSI Pattern (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–207 User Color 1 (wheel slot 51) 208–213 User Color 2 (wheel slot 52) 214–219 User Color 3 (wheel slot 53) 220–225 User Color 4 (wheel slot 54) 226–231 User Color 5 (wheel slot 55) 232–237 User Color 6 (wheel slot 56) 238–243 User Color 7 (wheel slot 57) 244–249 User Color 8 (wheel slot 58) 250–255 No function (wheel slot 1)

40CH HSI Pattern (continued)

Ch	Function	Default	DMX values
14	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
15	Dimmer	0	0–254 Closed 255–255 Open
16	Red	255	
17	Green	255	
18	Blue	255	
19	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open
20	Pattern	0	0–5 off (washlight Mode) 6–26 Nr 1 27–47 Nr 2 48–68 Nr 3 69–89 Nr 4 90–110 Nr 5 111–131 Nr 6 132–152 Nr 7 153–173 Nr 8 174–194 Nr 9 195–215 Nr 10 216–236 Nr 11 237–255 Nr 12
21	Pattern Speed	0	0–5 Stop 6–126 Chase slow forward 127–127 Chase fast forward 128–254 Fade fast Backward 255–255 Fade slow backward
22	Pattern Folder	0	0–5 Off 6–64 Static Pattern 1 65–128 Static Pattern 2 129–192 Effect Pattern 1 193–255 Effect Pattern 2
23	Pattern	0	0–5 off (washlight Mode) 6–255 pattern Nr

40CH HSI Pattern (continued)

Ch	Function	Default	DMX values
24	Pattern Speed	0	0–5 Stop 6–127 slow to fast 128–255 fast to slow (backwards)
25	Pattern Transition	0	0–5 Stop 6–255 1/10s - 5s
26	Pattern Fade	0	0–5 off 6–127 Fade 0-100% 128–255 Wake 0-100%
27	Dimmer	0	
28	Dimmer Fine	0	Fine byte of Dimmer
29	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
30	H SBHue	0	
31	H SBHue Fine	0	Fine byte of H SBHue
32	H SBSaturation	0	0–254 0% (White) 255–255 100% (Color)
33	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
34	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

40CH HSI Pattern (continued)

Ch	Function	Default	DMX values
35	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–207 User Color 1 (wheel slot 51) 208–213 User Color 2 (wheel slot 52) 214–219 User Color 3 (wheel slot 53) 220–225 User Color 4 (wheel slot 54) 226–231 User Color 5 (wheel slot 55) 232–237 User Color 6 (wheel slot 56) 238–243 User Color 7 (wheel slot 57) 244–249 User Color 8 (wheel slot 58) 250–255 No function (wheel slot 1)

40CH HSI Pattern (continued)

Ch	Function	Default	DMX values
36	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
37	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
38	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
39	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
40	Control1	0	

50CH RGBL Pattern

50 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
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	Color Add GY	255	

50CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
15	Color Add GY Fine	255	Fine byte of Color Add GY
16	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
17	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

50CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
18	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–207 User Color 1 (wheel slot 51) 208–213 User Color 2 (wheel slot 52) 214–219 User Color 3 (wheel slot 53) 220–225 User Color 4 (wheel slot 54) 226–231 User Color 5 (wheel slot 55) 232–237 User Color 6 (wheel slot 56) 238–243 User Color 7 (wheel slot 57) 244–249 User Color 8 (wheel slot 58) 250–255 No function (wheel slot 1)

50CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
19	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
20	Dimmer	0	0–254 Closed 255–255 Open
21	Red	255	
22	Green	255	
23	Blue	255	
24	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open
25	Pattern	0	0–5 off (washlight Mode) 6–26 Nr 1 27–47 Nr 2 48–68 Nr 3 69–89 Nr 4 90–110 Nr 5 111–131 Nr 6 132–152 Nr 7 153–173 Nr 8 174–194 Nr 9 195–215 Nr 10 216–236 Nr 11 237–255 Nr 12
26	Pattern Speed	0	0–5 Stop 6–126 Chase slow forward 127–127 Chase fast forward 128–254 Fade fast Backward 255–255 Fade slow backward
27	Pattern Folder	0	0–5 Off 6–64 Static Pattern 1 65–128 Static Pattern 2 129–192 Effect Pattern 1 193–255 Effect Pattern 2
28	Pattern	0	0–5 off (washlight Mode) 6–255 pattern Nr

50CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
29	Pattern Speed	0	0–5 Stop 6–127 slow to fast 128–255 fast to slow (backwards)
30	Pattern Transition	0	0–5 Stop 6–255 1/10s - 5s
31	Pattern Fade	0	0–5 off 6–127 Fade 0-100% 128–255 Wake 0-100%
32	Dimmer	0	
33	Dimmer Fine	0	Fine byte of Dimmer
34	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
35	Red	255	
36	Red Fine	255	Fine byte of Red
37	Green	255	
38	Green Fine	255	Fine byte of Green
39	Blue	255	
40	Blue Fine	255	Fine byte of Blue
41	Color Add GY	255	
42	Color Add GY Fine	255	Fine byte of Color Add GY
43	C TC	0	0–5 Off 6–6 Warm white 7–46 Warm white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–251 6500K to Cold white 252–255 Cold white
44	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

50CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
45	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–207 User Color 1 (wheel slot 51) 208–213 User Color 2 (wheel slot 52) 214–219 User Color 3 (wheel slot 53) 220–225 User Color 4 (wheel slot 54) 226–231 User Color 5 (wheel slot 55) 232–237 User Color 6 (wheel slot 56) 238–243 User Color 7 (wheel slot 57) 244–249 User Color 8 (wheel slot 58) 250–255 No function (wheel slot 1)

50CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
46	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
47	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
48	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
49	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
50	Control1	0	

165CH RGBL Pixel

144 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Dimmer	0	

165CH RGBL Pixel (continued)

Ch	Function	Default	DMX values
9	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
10	Zoom	127	
11	Zoom	127	
12	Zoom	127	
13	Control1	0	
14	Red	255	
15	Green	255	
16	Blue	255	
17	Color Add GY	255	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
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	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	

165CH RGBL Pixel (continued)

Ch	Function	Default	DMX values
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	

165CH RGBL Pixel (continued)

Ch	Function	Default	DMX values
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	
101	Reserved 101	0	
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	
111	Reserved 111	0	
112	Reserved 112	0	
113	Reserved 113	0	
114	Reserved 114	0	
115	Reserved 115	0	
116	Reserved 116	0	
117	Reserved 117	0	
118	Reserved 118	0	
119	Reserved 119	0	
120	Reserved 120	0	
121	Reserved 121	0	
122	Reserved 122	0	
123	Reserved 123	0	
124	Reserved 124	0	
125	Reserved 125	0	
126	Reserved 126	0	
127	Reserved 127	0	
128	Reserved 128	0	

165CH RGBL Pixel (continued)

Ch	Function	Default	DMX values
129	Reserved 129	0	
130	Reserved 130	0	
131	Reserved 131	0	
132	Reserved 132	0	
133	Reserved 133	0	
134	Reserved 134	0	
135	Reserved 135	0	
136	Reserved 136	0	
137	Reserved 137	0	
138	Reserved 138	0	
139	Reserved 139	0	
140	Reserved 140	0	
141	Reserved 141	0	
142	Red	255	
143	Green	255	
144	Blue	255	

445CH RGBL Pixel Full

154 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	

445CH RGBL Pixel Full (continued)

Ch	Function	Default	DMX values
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add GY	255	
15	Color Add GY Fine	255	Fine byte of Color Add GY
16	C TC	0	
17	Tint	128	
18	Dimmer	0	
19	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.1–0.918 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–0.91 Hz 33–33 Ramp up/down random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.1–1.83 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.05–1.8 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.1–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
20	Zoom	127	
21	Zoom	127	
22	Zoom	127	
23	Control1	0	
24	Red	255	
25	Green	255	
26	Blue	255	
27	Color Add GY	255	
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	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	

445CH RGBL Pixel Full (continued)

Ch	Function	Default	DMX values
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	

445CH RGBL Pixel Full (continued)

Ch	Function	Default	DMX values
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	
101	Reserved 101	0	
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	
111	Reserved 111	0	
112	Reserved 112	0	
113	Reserved 113	0	
114	Reserved 114	0	
115	Reserved 115	0	
116	Reserved 116	0	
117	Reserved 117	0	
118	Reserved 118	0	
119	Reserved 119	0	
120	Reserved 120	0	
121	Reserved 121	0	
122	Reserved 122	0	
123	Reserved 123	0	
124	Reserved 124	0	
125	Reserved 125	0	
126	Reserved 126	0	
127	Reserved 127	0	
128	Reserved 128	0	
129	Reserved 129	0	
130	Reserved 130	0	

445CH RGBL Pixel Full (continued)

Ch	Function	Default	DMX values
131	Reserved 131	0	
132	Reserved 132	0	
133	Reserved 133	0	
134	Reserved 134	0	
135	Reserved 135	0	
136	Reserved 136	0	
137	Reserved 137	0	
138	Reserved 138	0	
139	Reserved 139	0	
140	Reserved 140	0	
141	Reserved 141	0	
142	Reserved 142	0	
143	Reserved 143	0	
144	Reserved 144	0	
145	Reserved 145	0	
146	Reserved 146	0	
147	Reserved 147	0	
148	Reserved 148	0	
149	Reserved 149	0	
150	Reserved 150	0	
151	Reserved 151	0	
152	Red	255	
153	Green	255	
154	Blue	255	