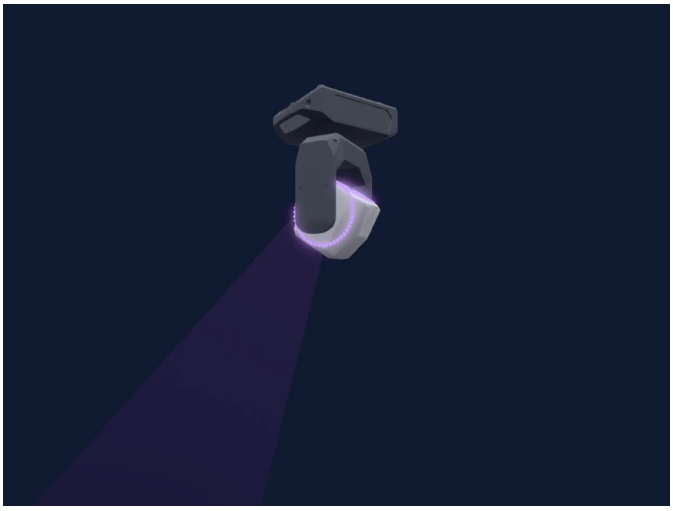
Cameo

Otos W3



Manufacturer	**Cameo**
Type	**Moving head**
DMX modes	**10**
DMX footprint	**11, 21, 22, 26, 38, 48, 52, 63 channels**
Beam angle	**4-55°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**9**
Size (W × H × D)	**195 × 180 × 160 mm**
GDTF fixture type	**81D17256-45B6-4659-90F3-EF9…**

Controls

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

DMX modes

11-CH Dual Input	11 ch
21-CH Dual Input	21 ch
21CH HSI Wash	21 ch
22CH RGBL Effect	22 ch
22CH RGBL Wash 8Bit	22 ch
26CH RGBL Wash 16Bit	26 ch
38CH HSI Pattern	38 ch
48CH RGBL Pattern	48 ch
187CH RGBL Pixel Full	52 ch
63CH RGBL Pixel	63 ch

11-CH Dual Input

11 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	Control1	0	

21-CH Dual Input

21 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	0	
9	Green	0	
10	Blue	0	
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
14	Dimmer	0	0–254 Closed 255–255 Open
15	Red	255	
16	Green	255	
17	Blue	255	

21-CH Dual Input (continued)

Ch	Function	Default	DMX values
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	Color Wheel	127	
21	Control1	0	

21CH HSI Wash

21 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

21CH 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

21CH 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 17 Surprise Peach (wheel slot 16) 66–69 746 Brown (wheel slot 17) 70–73 105 Orange (wheel slot 18) 74–77 20 Medium Amber (wheel slot 19) 78–81 768 Egg Yolk Yellow (wheel slot 20) 82–85 15 Deep Straw (wheel slot 21) 86–89 767 Oklahoma Yellow (wheel slot 22) 90–93 101 Yellow (wheel slot 23) 94–97 100 Spring Yellow (wheel slot 24) 98–101 88 Lime Green (wheel slot 25) 102–105 121 LEE Green (wheel slot 26) 106–109 738 Jas Green (wheel slot 27) 110–113 89 Moss Green (wheel slot 28) 114–117 139 Primary Green (wheel slot 29) 118–121 124 Dark Green (wheel slot 30) 122–125 323 Jade (wheel slot 31) 126–129 354 Special Steel Blue (wheel slot 32) 130–133 116 Medium Blue-Green (wheel slot 33) 134–137 183 Moonlight Blue (wheel slot 34) 138–141 132 Medium Blue (wheel slot 35) 142–145 119 Dark Blue (wheel slot 36) 146–149 716 Mikkel Blue (wheel slot 37) 150–153 71 Tokyo Blue (wheel slot 38) 154–157 181 Congo Blue (wheel slot 39) 158–161 799 Special KH Lavender (wheel slot 40) 162–165 707 Ultimate Violet (wheel slot 41) 166–169 343 Special Medium Lavender (wheel slot 42) 170–173 798 Chrysalis Pink (wheel slot 43) 174–177 701 Provence (wheel slot 44) 178–181 797 Deep Purple (wheel slot 45) 182–185 48 Rose Purple (wheel slot 46) 186–189 345 Fuchsia Pink (wheel slot 47) 190–193 795 Magical Magenta (wheel slot 48) 194–197 128 Bright 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)

21CH 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	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	0–126 Narrow 127–254 Mid 255–255 Wide
21	Control1	0	

22CH RGBL Effect

22 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

22CH RGBL Effect (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–5 open 6–10 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	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

22CH 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 slow to fast (Chase) 127–127 fast to slow (Chase) (backwards) 128–254 slow to fast (Fade) 255–255 fast to slow (Fade) (backwards)
19	Pattern	0	0–5 off 6–255 Nr 1-50
20	Pattern Speed	0	0–5 Stop 6–127 Speed slow to fast 128–255 Speed fast to slow (backwards)
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Control1	0	

22CH RGBL Wash 8Bit

22 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

22CH 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	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
13	Tint	128	0–0 Off 1–127 Magenta -> Neutral 128–128 Neutral 129–255 Neutral -> Green

22CH 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 17 Surprise Peach (wheel slot 16) 66–69 746 Brown (wheel slot 17) 70–73 105 Orange (wheel slot 18) 74–77 20 Medium Amber (wheel slot 19) 78–81 768 Egg Yolk Yellow (wheel slot 20) 82–85 15 Deep Straw (wheel slot 21) 86–89 767 Oklahoma Yellow (wheel slot 22) 90–93 101 Yellow (wheel slot 23) 94–97 100 Spring Yellow (wheel slot 24) 98–101 88 Lime Green (wheel slot 25) 102–105 121 LEE Green (wheel slot 26) 106–109 738 Jas Green (wheel slot 27) 110–113 89 Moss Green (wheel slot 28) 114–117 139 Primary Green (wheel slot 29) 118–121 124 Dark Green (wheel slot 30) 122–125 323 Jade (wheel slot 31) 126–129 354 Special Steel Blue (wheel slot 32) 130–133 116 Medium Blue-Green (wheel slot 33) 134–137 183 Moonlight Blue (wheel slot 34) 138–141 132 Medium Blue (wheel slot 35) 142–145 119 Dark Blue (wheel slot 36) 146–149 716 Mikkel Blue (wheel slot 37) 150–153 71 Tokyo Blue (wheel slot 38) 154–157 181 Congo Blue (wheel slot 39) 158–161 799 Special KH Lavender (wheel slot 40) 162–165 707 Ultimate Violet (wheel slot 41) 166–169 343 Special Medium Lavender (wheel slot 42) 170–173 798 Chrysalis Pink (wheel slot 43) 174–177 701 Provence (wheel slot 44) 178–181 797 Deep Purple (wheel slot 45) 182–185 48 Rose Purple (wheel slot 46) 186–189 345 Fuchsia Pink (wheel slot 47) 190–193 795 Magical Magenta (wheel slot 48) 194–197 128 Bright 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)

22CH 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	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
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Control1	0	

26CH RGBL Wash 16Bit

26 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

26CH RGBL Wash 16Bit (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	255	
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

26CH RGBL Wash 16Bit (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 17 Surprise Peach (wheel slot 16) 66–69 746 Brown (wheel slot 17) 70–73 105 Orange (wheel slot 18) 74–77 20 Medium Amber (wheel slot 19) 78–81 768 Egg Yolk Yellow (wheel slot 20) 82–85 15 Deep Straw (wheel slot 21) 86–89 767 Oklahoma Yellow (wheel slot 22) 90–93 101 Yellow (wheel slot 23) 94–97 100 Spring Yellow (wheel slot 24) 98–101 88 Lime Green (wheel slot 25) 102–105 121 LEE Green (wheel slot 26) 106–109 738 Jas Green (wheel slot 27) 110–113 89 Moss Green (wheel slot 28) 114–117 139 Primary Green (wheel slot 29) 118–121 124 Dark Green (wheel slot 30) 122–125 323 Jade (wheel slot 31) 126–129 354 Special Steel Blue (wheel slot 32) 130–133 116 Medium Blue-Green (wheel slot 33) 134–137 183 Moonlight Blue (wheel slot 34) 138–141 132 Medium Blue (wheel slot 35) 142–145 119 Dark Blue (wheel slot 36) 146–149 716 Mikkel Blue (wheel slot 37) 150–153 71 Tokyo Blue (wheel slot 38) 154–157 181 Congo Blue (wheel slot 39) 158–161 799 Special KH Lavender (wheel slot 40) 162–165 707 Ultimate Violet (wheel slot 41) 166–169 343 Special Medium Lavender (wheel slot 42) 170–173 798 Chrysalis Pink (wheel slot 43) 174–177 701 Provence (wheel slot 44) 178–181 797 Deep Purple (wheel slot 45) 182–185 48 Rose Purple (wheel slot 46) 186–189 345 Fuchsia Pink (wheel slot 47) 190–193 795 Magical Magenta (wheel slot 48) 194–197 128 Bright 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)

26CH RGBL Wash 16Bit (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	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	Control1	0	

38CH HSI Pattern

38 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

38CH HSI Pattern (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

38CH 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 17 Surprise Peach (wheel slot 16) 66–69 746 Brown (wheel slot 17) 70–73 105 Orange (wheel slot 18) 74–77 20 Medium Amber (wheel slot 19) 78–81 768 Egg Yolk Yellow (wheel slot 20) 82–85 15 Deep Straw (wheel slot 21) 86–89 767 Oklahoma Yellow (wheel slot 22) 90–93 101 Yellow (wheel slot 23) 94–97 100 Spring Yellow (wheel slot 24) 98–101 88 Lime Green (wheel slot 25) 102–105 121 LEE Green (wheel slot 26) 106–109 738 Jas Green (wheel slot 27) 110–113 89 Moss Green (wheel slot 28) 114–117 139 Primary Green (wheel slot 29) 118–121 124 Dark Green (wheel slot 30) 122–125 323 Jade (wheel slot 31) 126–129 354 Special Steel Blue (wheel slot 32) 130–133 116 Medium Blue-Green (wheel slot 33) 134–137 183 Moonlight Blue (wheel slot 34) 138–141 132 Medium Blue (wheel slot 35) 142–145 119 Dark Blue (wheel slot 36) 146–149 716 Mikkel Blue (wheel slot 37) 150–153 71 Tokyo Blue (wheel slot 38) 154–157 181 Congo Blue (wheel slot 39) 158–161 799 Special KH Lavender (wheel slot 40) 162–165 707 Ultimate Violet (wheel slot 41) 166–169 343 Special Medium Lavender (wheel slot 42) 170–173 798 Chrysalis Pink (wheel slot 43) 174–177 701 Provence (wheel slot 44) 178–181 797 Deep Purple (wheel slot 45) 182–185 48 Rose Purple (wheel slot 46) 186–189 345 Fuchsia Pink (wheel slot 47) 190–193 795 Magical Magenta (wheel slot 48) 194–197 128 Bright 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)

38CH 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	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	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 6–63 slow to fast (Chase) 64–127 fast to slow (Chase) (backwards) 128–191 slow to fast (Fade) 192–255 fast to slow (Fade) (backwards)
22	Pattern Folder	0	0–5 off (background functions disabled) 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 Nr 1-50

38CH HSI Pattern (continued)

Ch	Function	Default	DMX values
24	Pattern Speed	0	0–5 Stop 6–127 speed slow to fast forward 128–255 speed fast to slow Backward
25	Pattern Transition	0	0–5 Stop 6–255 1/10s - 5s
26	Pattern Fade	0	0–5 off 6–127 Fade Effect Pattern 0-100% 128–255 Wake Effect Pattern 0-100%
27	Dimmer	0	
28	Dimmer Fine	0	Fine byte of Dimmer
29	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
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

38CH 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 17 Surprise Peach (wheel slot 16) 66–69 746 Brown (wheel slot 17) 70–73 105 Orange (wheel slot 18) 74–77 20 Medium Amber (wheel slot 19) 78–81 768 Egg Yolk Yellow (wheel slot 20) 82–85 15 Deep Straw (wheel slot 21) 86–89 767 Oklahoma Yellow (wheel slot 22) 90–93 101 Yellow (wheel slot 23) 94–97 100 Spring Yellow (wheel slot 24) 98–101 88 Lime Green (wheel slot 25) 102–105 121 LEE Green (wheel slot 26) 106–109 738 Jas Green (wheel slot 27) 110–113 89 Moss Green (wheel slot 28) 114–117 139 Primary Green (wheel slot 29) 118–121 124 Dark Green (wheel slot 30) 122–125 323 Jade (wheel slot 31) 126–129 354 Special Steel Blue (wheel slot 32) 130–133 116 Medium Blue-Green (wheel slot 33) 134–137 183 Moonlight Blue (wheel slot 34) 138–141 132 Medium Blue (wheel slot 35) 142–145 119 Dark Blue (wheel slot 36) 146–149 716 Mikkel Blue (wheel slot 37) 150–153 71 Tokyo Blue (wheel slot 38) 154–157 181 Congo Blue (wheel slot 39) 158–161 799 Special KH Lavender (wheel slot 40) 162–165 707 Ultimate Violet (wheel slot 41) 166–169 343 Special Medium Lavender (wheel slot 42) 170–173 798 Chrysalis Pink (wheel slot 43) 174–177 701 Provence (wheel slot 44) 178–181 797 Deep Purple (wheel slot 45) 182–185 48 Rose Purple (wheel slot 46) 186–189 345 Fuchsia Pink (wheel slot 47) 190–193 795 Magical Magenta (wheel slot 48) 194–197 128 Bright 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)

38CH 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	Control1	0	

48CH RGBL Pattern

48 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	
15	Color Add GY Fine	255	Fine byte of Color Add GY

48CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
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

48CH 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 17 Surprise Peach (wheel slot 16) 66–69 746 Brown (wheel slot 17) 70–73 105 Orange (wheel slot 18) 74–77 20 Medium Amber (wheel slot 19) 78–81 768 Egg Yolk Yellow (wheel slot 20) 82–85 15 Deep Straw (wheel slot 21) 86–89 767 Oklahoma Yellow (wheel slot 22) 90–93 101 Yellow (wheel slot 23) 94–97 100 Spring Yellow (wheel slot 24) 98–101 88 Lime Green (wheel slot 25) 102–105 121 LEE Green (wheel slot 26) 106–109 738 Jas Green (wheel slot 27) 110–113 89 Moss Green (wheel slot 28) 114–117 139 Primary Green (wheel slot 29) 118–121 124 Dark Green (wheel slot 30) 122–125 323 Jade (wheel slot 31) 126–129 354 Special Steel Blue (wheel slot 32) 130–133 116 Medium Blue-Green (wheel slot 33) 134–137 183 Moonlight Blue (wheel slot 34) 138–141 132 Medium Blue (wheel slot 35) 142–145 119 Dark Blue (wheel slot 36) 146–149 716 Mikkel Blue (wheel slot 37) 150–153 71 Tokyo Blue (wheel slot 38) 154–157 181 Congo Blue (wheel slot 39) 158–161 799 Special KH Lavender (wheel slot 40) 162–165 707 Ultimate Violet (wheel slot 41) 166–169 343 Special Medium Lavender (wheel slot 42) 170–173 798 Chrysalis Pink (wheel slot 43) 174–177 701 Provence (wheel slot 44) 178–181 797 Deep Purple (wheel slot 45) 182–185 48 Rose Purple (wheel slot 46) 186–189 345 Fuchsia Pink (wheel slot 47) 190–193 795 Magical Magenta (wheel slot 48) 194–197 128 Bright 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)

48CH 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	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	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 6–63 slow to fast (Chase) 64–127 fast to slow (Chase) (backwards) 128–191 slow to fast (Fade) 192–255 fast to slow (Fade) (backwards)
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 Nr 1-50

48CH 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

48CH 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 17 Surprise Peach (wheel slot 16) 66–69 746 Brown (wheel slot 17) 70–73 105 Orange (wheel slot 18) 74–77 20 Medium Amber (wheel slot 19) 78–81 768 Egg Yolk Yellow (wheel slot 20) 82–85 15 Deep Straw (wheel slot 21) 86–89 767 Oklahoma Yellow (wheel slot 22) 90–93 101 Yellow (wheel slot 23) 94–97 100 Spring Yellow (wheel slot 24) 98–101 88 Lime Green (wheel slot 25) 102–105 121 LEE Green (wheel slot 26) 106–109 738 Jas Green (wheel slot 27) 110–113 89 Moss Green (wheel slot 28) 114–117 139 Primary Green (wheel slot 29) 118–121 124 Dark Green (wheel slot 30) 122–125 323 Jade (wheel slot 31) 126–129 354 Special Steel Blue (wheel slot 32) 130–133 116 Medium Blue-Green (wheel slot 33) 134–137 183 Moonlight Blue (wheel slot 34) 138–141 132 Medium Blue (wheel slot 35) 142–145 119 Dark Blue (wheel slot 36) 146–149 716 Mikkel Blue (wheel slot 37) 150–153 71 Tokyo Blue (wheel slot 38) 154–157 181 Congo Blue (wheel slot 39) 158–161 799 Special KH Lavender (wheel slot 40) 162–165 707 Ultimate Violet (wheel slot 41) 166–169 343 Special Medium Lavender (wheel slot 42) 170–173 798 Chrysalis Pink (wheel slot 43) 174–177 701 Provence (wheel slot 44) 178–181 797 Deep Purple (wheel slot 45) 182–185 48 Rose Purple (wheel slot 46) 186–189 345 Fuchsia Pink (wheel slot 47) 190–193 795 Magical Magenta (wheel slot 48) 194–197 128 Bright 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)

48CH 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	Control1	0	

187CH RGBL Pixel Full

52 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	0	
9	Red Fine	0	Fine byte of Red
10	Green	0	
11	Green Fine	0	Fine byte of Green
12	Blue	0	
13	Blue Fine	0	Fine byte of Blue
14	Color Add GY	0	
15	Color Add GY Fine	0	Fine byte of Color Add GY

187CH RGBL Pixel Full (continued)

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

187CH RGBL Pixel Full (continued)

Ch	Function	Default	DMX values
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	
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	Red	255	
51	Green	255	
52	Blue	255	

63CH RGBL Pixel

63 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

63CH RGBL Pixel (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	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	Control1	0	
12	Red	255	
13	Green	0	
14	Blue	0	
15	Color Add GY	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	

63CH RGBL Pixel (continued)

Ch	Function	Default	DMX values
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	
39	Reserved 39	0	
40	Red	0	
41	Green	0	
42	Blue	0	
43	Red	255	
44	Green	255	
45	Blue	255	
46	Red	255	
47	Green	255	
48	Blue	255	
49	Red	255	
50	Green	255	
51	Blue	255	
52	Red	255	
53	Green	255	
54	Blue	255	
55	Red	255	
56	Green	255	
57	Blue	255	
58	Red	255	
59	Green	255	
60	Blue	255	
61	Red	255	
62	Green	255	
63	Blue	255	