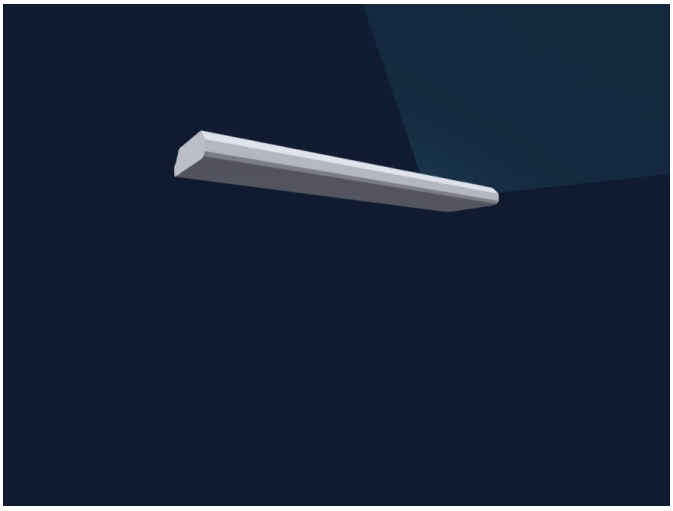
Chauvet Professional

COLORado Solo Edge 3



Manufacturer	**Chauvet Professional**
Type	**Profile spot**
DMX modes	**32**
DMX footprint	**5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19, 21, 22, 23, 33, 37, 41, 42,**
Beam angle	**95°**
Heads / cells	**5**
Size (W × H × D)	**1000 × 62 × 226 mm**
GDTF fixture type	**8579E726-E693-4CC5-8DA1-28...**

Controls

Extra LED colours · Hue and saturation · RGB colour mixing · Colour temperature · Colour wheel · Dimmer · Pixel control

Safety-relevant functions

Fixture reset · Service functions

DMX modes

1 Cell RGB	5 ch
1 Cell RGBW	6 ch
1 Cell - CCT	6 ch
1 Cell HSV	6 ch
1 Cell-XY	6 ch
1 Cell RGBWL	7 ch
2 Cell RGB	8 ch
2 Cell CCT	9 ch
2 Cell HSV	9 ch
2 Cell RGBW	10 ch
1 Cell-XY Ext	11 ch
1 Cell RGB EXT	12 ch
1 Cell RGBWL 16BIT	12 ch
2 Cell RGBWL	12 ch
1 Cell RGBW EXT	13 ch
1 Cell RGBWL EXT	14 ch
4 Cell RGB	14 ch
4 Cell CCT	15 ch
4 Cell HSV	15 ch
4 Cell RGBW	18 ch
2 Cell RGB EXT	19 ch
1 Cell RGBWL Full	21 ch
2 Cell RGBW EXT	21 ch
2 Cell RGBWL 16BIT	22 ch

4 Cell RGBWL	22 ch
2 Cell RGBWL EXT	23 ch
4 Cell RGB EXT	33 ch
2 Cell RGBWL Full	37 ch
4 Cell RGBW EXT	37 ch
4 Cell RGBWL EXT	41 ch
4 Cell RGBWL 16BIT	42 ch
4 Cell RGBWL Full	69 ch

1 Cell RGB

5 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
5	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell RGBW

6 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
6	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell - CCT

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

1 Cell - CCT (continued)

Ch	Function	Default	DMX values
2	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
3	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25

1 Cell - CCT (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
5	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
6	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell HSV

6 channels

Ch	Function	Default	DMX values
1	H SBHue	0	0–0 Min 1–254 Min>Max 255–255 Max

1 Cell HSV (continued)

Ch	Function	Default	DMX values
2	H SBSaturation	0	0–0 Min 1–254 Min>Max 255–255 Max
3	H SBBrightness	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
5	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
6	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell-XY

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
2	C IEX	80	0–0 Min 1–254 Min > Max 255–255 Max
3	C IEY	80	0–0 Min 1–254 Min > Max 255–255 Max
4	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
5	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
6	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell RGBWL

7 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
7	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGB

8 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
7	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

2 Cell RGB (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell CCT

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
2	C TC	128	6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
3	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
4	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

2 Cell CCT (continued)

Ch	Function	Default	DMX values
5	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
6	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25

2 Cell CCT (continued)

Ch	Function	Default	DMX values
7	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
8	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
9	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell HSV

9 channels

Ch	Function	Default	DMX values
1	H SBHue	0	0–0 Min 1–254 Min>Max 255–255 Max

2 Cell HSV (continued)

Ch	Function	Default	DMX values
2	H SBSaturation	0	0–0 Min 1–254 Min>Max 255–255 Max
3	H SBBrightness	0	0–0 Min 1–254 Min>Max 255–255 Max
4	H SBHue	0	0–0 Min 1–254 Min>Max 255–255 Max
5	H SBSaturation	0	0–0 Min 1–254 Min>Max 255–255 Max
6	H SBBrightness	0	0–0 Min 1–254 Min>Max 255–255 Max
7	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
8	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

2 Cell HSV (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGBW

10 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
7	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
8	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
9	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
10	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell-XY Ext

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

1 Cell-XY Ext (continued)

Ch	Function	Default	DMX values
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	80	0–0 Min 1–254 Min > Max 255–255 Max
4	C IEX Fine	80	Fine byte of C IEX
5	C IEY	80	0–0 Min 1–254 Min > Max 255–255 Max
6	C IEY Fine	80	Fine byte of C IEY
7	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast
8	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

1 Cell-XY Ext (continued)

Ch	Function	Default	DMX values
9	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
10	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
11	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell RGB EXT

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

1 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
6	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
7	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix

1 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
8	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast
9	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

1 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
10	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
11	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
12	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell RGBWL 16BIT

12 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Red Fine	0	Fine byte of Red

1 Cell RGBWL 16BIT (continued)

Ch	Function	Default	DMX values
3	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Green Fine	0	Fine byte of Green
5	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Blue Fine	0	Fine byte of Blue
7	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
8	Color Add WW Fine	0	Fine byte of Color Add WW
9	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
10	Color Add GY Fine	0	Fine byte of Color Add GY
11	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
12	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGBWL

12 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
7	Green	0	0–0 Min 1–254 Min>Max 255–255 Max

2 Cell RGBWL (continued)

Ch	Function	Default	DMX values
8	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
9	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
10	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
11	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
12	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell RGBW EXT

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max

1 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
6	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
7	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
8	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
9	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast

1 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
10	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

1 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
12	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
13	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell RGBWL EXT

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

1 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
6	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
7	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
8	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
9	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix

1 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
10	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast
11	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

1 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
12	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
13	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
14	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGB

14 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGB (continued)

Ch	Function	Default	DMX values
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
7	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
8	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
9	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
10	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
11	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
12	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
13	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
14	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell CCT

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell CCT (continued)

Ch	Function	Default	DMX values
2	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
3	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
4	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell CCT (continued)

Ch	Function	Default	DMX values
5	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
6	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
7	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell CCT (continued)

Ch	Function	Default	DMX values
8	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
9	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
10	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell CCT (continued)

Ch	Function	Default	DMX values
11	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
12	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25

4 Cell CCT (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
14	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
15	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell HSV

15 channels

Ch	Function	Default	DMX values
1	H SBHue	0	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell HSV (continued)

Ch	Function	Default	DMX values
2	H SBSaturation	0	0–0 Min 1–254 Min>Max 255–255 Max
3	H SBBrightness	0	0–0 Min 1–254 Min>Max 255–255 Max
4	H SBHue	0	0–0 Min 1–254 Min>Max 255–255 Max
5	H SBSaturation	0	0–0 Min 1–254 Min>Max 255–255 Max
6	H SBBrightness	0	0–0 Min 1–254 Min>Max 255–255 Max
7	H SBHue	0	0–0 Min 1–254 Min>Max 255–255 Max
8	H SBSaturation	0	0–0 Min 1–254 Min>Max 255–255 Max
9	H SBBrightness	0	0–0 Min 1–254 Min>Max 255–255 Max
10	H SBHue	0	0–0 Min 1–254 Min>Max 255–255 Max
11	H SBSaturation	0	0–0 Min 1–254 Min>Max 255–255 Max
12	H SBBrightness	0	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell HSV (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
14	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
15	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGBW

18 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGBW (continued)

Ch	Function	Default	DMX values
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
7	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
8	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
9	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
10	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
11	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
12	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
13	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
14	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
15	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
16	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
17	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
18	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGB EXT

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
6	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
7	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
8	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

2 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
9	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
10	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
11	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
12	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
13	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
14	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix

2 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
15	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast
16	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

2 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
17	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
18	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
19	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

1 Cell RGBWL Full

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
2	Dimmer Fine	0	Fine byte of Dimmer

1 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
3	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Red Fine	255	Fine byte of Red
5	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
6	Green Fine	255	Fine byte of Green
7	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
8	Blue Fine	255	Fine byte of Blue
9	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
10	Color Add WW Fine	255	Fine byte of Color Add WW
11	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
12	Color Add GY Fine	255	Fine byte of Color Add GY
13	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
14	C TC Fine	128	Fine byte of C TC

1 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
15	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
16	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
17	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast
18	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

1 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
19	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
20	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
21	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGBW EXT

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

2 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
6	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
7	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
8	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
9	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

2 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
10	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
11	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
12	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
13	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
14	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
15	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
16	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix

2 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
17	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast
18	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

2 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
19	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
20	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
21	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGBWL 16BIT

22 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Red Fine	0	Fine byte of Red

2 Cell RGBWL 16BIT (continued)

Ch	Function	Default	DMX values
3	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Green Fine	0	Fine byte of Green
5	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Blue Fine	0	Fine byte of Blue
7	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
8	Color Add WW Fine	0	Fine byte of Color Add WW
9	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
10	Color Add GY Fine	0	Fine byte of Color Add GY
11	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
12	Red Fine	0	Fine byte of Red
13	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
14	Green Fine	0	Fine byte of Green
15	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
16	Blue Fine	0	Fine byte of Blue
17	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
18	Color Add WW Fine	0	Fine byte of Color Add WW
19	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
20	Color Add GY Fine	0	Fine byte of Color Add GY
21	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
22	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGBWL

22 channels

Ch	Function	Default	DMX values

4 Cell RGBWL (continued)

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
3	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
7	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
8	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
9	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
10	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
11	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
12	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
13	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
14	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
15	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
16	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
17	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
18	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGBWL (continued)

Ch	Function	Default	DMX values
19	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
20	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
21	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
22	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGBWL EXT

23 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
6	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max

2 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
7	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
8	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
9	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
10	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
11	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
12	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
13	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
14	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max

2 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
15	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
16	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
17	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
18	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix

2 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
19	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Feature 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Feature 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Feature 205–205 Slow 206–254 Slow > Fast 255–255 Fast
20	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

2 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
21	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve32 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25000HZ 155–159 65000HZ 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–255 No Function
22	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
23	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGB EXT

33 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
6	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
7	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
8	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
9	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
10	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
11	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
12	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
13	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
14	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
15	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
16	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
17	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
18	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
19	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
20	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
21	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
22	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
23	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
24	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
25	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
26	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
27	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
28	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
29	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast

4 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
30	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

4 Cell RGB EXT (continued)

Ch	Function	Default	DMX values
31	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
32	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
33	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

2 Cell RGBWL Full

37 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
2	Dimmer Fine	0	Fine byte of Dimmer

2 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
3	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Red Fine	255	Fine byte of Red
5	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
6	Green Fine	255	Fine byte of Green
7	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
8	Blue Fine	255	Fine byte of Blue
9	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
10	Color Add WW Fine	255	Fine byte of Color Add WW
11	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
12	Color Add GY Fine	255	Fine byte of Color Add GY
13	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
14	C TC Fine	128	Fine byte of C TC

2 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
15	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
16	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
17	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
18	Dimmer Fine	0	Fine byte of Dimmer
19	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
20	Red Fine	255	Fine byte of Red
21	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
22	Green Fine	255	Fine byte of Green
23	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
24	Blue Fine	255	Fine byte of Blue
25	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
26	Color Add WW Fine	255	Fine byte of Color Add WW
27	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
28	Color Add GY Fine	255	Fine byte of Color Add GY

2 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
29	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
30	C TC Fine	128	Fine byte of C TC
31	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
32	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
33	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast

2 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
34	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

2 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
35	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
36	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
37	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGBW EXT

37 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
6	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
7	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
8	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
9	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
10	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
11	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
12	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
13	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
14	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
15	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
16	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
17	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
18	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
19	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
20	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
21	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
22	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
23	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
24	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
25	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
26	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
27	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
28	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
29	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
30	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
31	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
32	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix

4 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
33	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Feature 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Feature 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Feature 205–205 Slow 206–254 Slow > Fast 255–255 Fast
34	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

4 Cell RGBW EXT (continued)

Ch	Function	Default	DMX values
35	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
36	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
37	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGBWL EXT

41 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max

4 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
2	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
3	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
4	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
5	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
6	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
7	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
8	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
9	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix

4 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
10	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
11	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
12	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
13	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
14	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
15	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
16	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
17	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25

4 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
18	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
19	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
20	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
21	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
22	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
23	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
24	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max
25	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)

4 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
26	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
27	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
28	Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
29	Red	255	0–0 Min 1–254 Min>Max 255–255 Max
30	Green	255	0–0 Min 1–254 Min>Max 255–255 Max
31	Blue	255	0–0 Min 1–254 Min>Max 255–255 Max
32	Color Add WW	255	0–0 Min 1–254 Min>Max 255–255 Max
33	Color Add GY	255	0–0 Min 1–254 Min>Max 255–255 Max

4 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
34	C TC	128	0–5 No Function (wheel slot 1) 6–13 2800K - 2900K (wheel slot 2) 14–20 2900K - 3000K (wheel slot 3) 21–27 3000K - 3100K (wheel slot 4) 28–34 3100K - 3200K (wheel slot 5) 35–41 3200K - 3300K (wheel slot 6) 42–48 3300K - 3400K (wheel slot 7) 49–55 3400K - 3500K (wheel slot 8) 56–62 3500K - 3600K (wheel slot 9) 63–69 3600K - 3700K (wheel slot 10) 70–76 3700K - 3800K (wheel slot 11) 77–83 3800K - 3900K (wheel slot 12) 84–90 3900K - 4000K (wheel slot 13) 91–97 4000K - 4100K (wheel slot 14) 98–104 4100K - 4200K (wheel slot 15) 105–111 4200K - 4300K (wheel slot 16) 112–118 4300K - 4400K (wheel slot 17) 119–125 4400K - 4500K (wheel slot 18) 126–132 4500K - 4600K (wheel slot 19) 133–139 4600K - 4700K (wheel slot 20) 140–146 4700K - 4800K (wheel slot 21) 147–153 4800K - 4900K (wheel slot 22) 154–160 4900K - 5000K (wheel slot 23) 161–167 5000K - 5100K (wheel slot 24) 168–174 5100K - 5200K (wheel slot 25) 175–181 5200K - 5300K (wheel slot 26) 182–188 5300K - 5400K (wheel slot 27) 189–191 5400K - 5500K (wheel slot 28) 192–202 5500K - 5600K (wheel slot 29) 203–209 5600K - 5700K (wheel slot 30) 210–216 5700K - 6000K (wheel slot 31) 217–223 6000K - 6500K (wheel slot 32) 224–230 6500K - 7000K (wheel slot 33) 231–237 7000K - 7500K (wheel slot 34) 238–244 7500K - 8000K (wheel slot 35) 245–255 8000K (wheel slot 36)
35	Tint	128	0–0 +25 1–254 +25>-25 255–255 -25
36	Color Control	255	0–0 100% CCT 1–126 Fade from 100% CCT mix 127–128 Equal blend CCT + RGB(WwL) mix 129–254 Fade to 100% RGB(WwL) mix 255–255 100% RGB(WwL) mix
37	Shutter1Strobe	0	0–9 Shutter Open 10–10 Slow 11–83 Slow > Fast 84–84 Fast 85–94 No Function 95–95 Slow 96–143 Slow > Fast 144–144 Fast 145–149 No Function 150–150 Slow 151–198 Slow > Fast 199–199 Fast 200–204 No Function 205–205 Slow 206–254 Slow > Fast 255–255 Fast

4 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
38	Color Macro1	0	0–5 No Function (wheel slot 1) 6–13 C3050-Md Yellow (wheel slot 2) 14–21 C3040-Lt Yellow (wheel slot 3) 22–28 C3240-Amb Yellow (wheel slot 4) 29–35 C2340-VLt Amber (wheel slot 5) 36–43 C2040-Lt Amber (wheel slot 6) 44–51 C2050-Md Amber (wheel slot 7) 52–59 C2060-Dk Amber (wheel slot 8) 60–67 C1050-Lt Red (wheel slot 9) 68–75 C1080-Md Red (wheel slot 10) 76–83 C1020-NC Pink (wheel slot 11) 84–91 C1030-Md Pink (wheel slot 12) 92–99 C1630-Dk Pink (wheel slot 13) 100–107 C1250-Md Red Amber (wheel slot 14) 108–115 C1060-Dk Red Amber (wheel slot 15) 116–121 C1650-Magenta (wheel slot 16) 122–130 C6170-Dk Magenta (wheel slot 17) 131–138 C6020-Lt Lavender (wheel slot 18) 139–146 C5030-Lt Blue (wheel slot 19) 147–154 C5020-VLt Blue (wheel slot 20) 155–162 C5430-Lt Blue2 (wheel slot 21) 163–170 C5070-Blue (wheel slot 22) 171–178 C5050-Md Blue (wheel slot 23) 179–186 C5060-Dk Blue (wheel slot 24) 187–194 C5060-Dk Blue 1 (wheel slot 25) 195–202 C5080-VDk Blue (wheel slot 26) 203–210 C5081-VdK Blue2 (wheel slot 27) 211–218 C4370-Yel Green (wheel slot 28) 219–226 C4070-Green (wheel slot 29) 227–234 C4550-Turquoise (wheel slot 30) 235–242 C4560-Aqua (wheel slot 31) 243–250 C4570-Blue Green (wheel slot 32) 251–255 No Function 1 (wheel slot 33)

4 Cell RGBWL EXT (continued)

Ch	Function	Default	DMX values
39	Control1	0	0–9 No Function 10–14 Dimmer Reset 15–24 Reserved 25–29 S-Curve 30–34 Linear 35–39 Square 40–44 Inverse Square 45–49 Dimmer Mode Off 50–54 Dimmer Mode 1 55–59 Dimmer Mode 2 60–64 Dimmer Mode 3 65–69 X-Fade Speed: OFF 70–74 X-Fade Speed: 1 75–79 X-Fade Speed: 2 80–84 X-Fade Speed: 3 85–89 X-Fade Speed: 4 90–94 White Calibration: OFF 95–99 White Calibration: User Calibration 100–104 White Calibration:Factory Calibration 105–129 Reserved for future use 130–134 1200 Hz 135–139 2000 Hz 140–144 4000 Hz 145–149 6000 Hz 150–154 25k Hz 155–159 65k Hz 160–164 Cell Order: 1 > 4 165–169 Cell Order: 4 > 1 170–174 Display Invert No 175–179 Display Invert Yes 180–184 Key Lock: On 185–189 Key Lock: Off 190–194 Red Shift: On 195–199 Red Shift: Off 200–204 Power Steady Mode: ON 205–209 Power Steady Mode: OFF 210–243 Reserved for Future Use 244–249 Dimmer Mode Override (Instant Engage) 250–255 No Function
40	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
41	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGBWL 16BIT

42 channels

Ch	Function	Default	DMX values
1	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
2	Red Fine	0	Fine byte of Red

4 Cell RGBWL 16BIT (continued)

Ch	Function	Default	DMX values
3	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
4	Green Fine	0	Fine byte of Green
5	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Blue Fine	0	Fine byte of Blue
7	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
8	Color Add WW Fine	0	Fine byte of Color Add WW
9	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
10	Color Add GY Fine	0	Fine byte of Color Add GY
11	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
12	Red Fine	0	Fine byte of Red
13	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
14	Green Fine	0	Fine byte of Green
15	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
16	Blue Fine	0	Fine byte of Blue
17	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
18	Color Add WW Fine	0	Fine byte of Color Add WW
19	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
20	Color Add GY Fine	0	Fine byte of Color Add GY
21	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
22	Red Fine	0	Fine byte of Red
23	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
24	Green Fine	0	Fine byte of Green
25	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
26	Blue Fine	0	Fine byte of Blue
27	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
28	Color Add WW Fine	0	Fine byte of Color Add WW

4 Cell RGBWL 16BIT (continued)

Ch	Function	Default	DMX values
29	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
30	Color Add GY Fine	0	Fine byte of Color Add GY
31	Red	0	0–0 Min 1–254 Min>Max 255–255 Max
32	Red Fine	0	Fine byte of Red
33	Green	0	0–0 Min 1–254 Min>Max 255–255 Max
34	Green Fine	0	Fine byte of Green
35	Blue	0	0–0 Min 1–254 Min>Max 255–255 Max
36	Blue Fine	0	Fine byte of Blue
37	Color Add WW	0	0–0 Min 1–254 Min>Max 255–255 Max
38	Color Add WW Fine	0	Fine byte of Color Add WW
39	Color Add GY	0	0–0 Min 1–254 Min>Max 255–255 Max
40	Color Add GY Fine	0	Fine byte of Color Add GY
41	Indicator Dimmer	0	0–0 Min 1–254 Min<Max 255–255 Max
42	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)

4 Cell RGBWL Full

69 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Color Add WW	255	
10	Color Add WW Fine	255	Fine byte of Color Add WW
11	Color Add GY	255	
12	Color Add GY Fine	255	Fine byte of Color Add GY

4 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
13	C TC	128	
14	C TC Fine	128	Fine byte of C TC
15	Tint	128	
16	Color Control	255	
17	Dimmer	0	
18	Dimmer Fine	0	Fine byte of Dimmer
19	Red	255	
20	Red Fine	255	Fine byte of Red
21	Green	255	
22	Green Fine	255	Fine byte of Green
23	Blue	255	
24	Blue Fine	255	Fine byte of Blue
25	Color Add WW	255	
26	Color Add WW Fine	255	Fine byte of Color Add WW
27	Color Add GY	255	
28	Color Add GY Fine	255	Fine byte of Color Add GY
29	C TC	128	
30	C TC Fine	128	Fine byte of C TC
31	Tint	128	
32	Color Control	255	
33	Dimmer	0	
34	Dimmer Fine	0	Fine byte of Dimmer
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 WW	255	
42	Color Add WW Fine	255	Fine byte of Color Add WW
43	Color Add GY	255	
44	Color Add GY Fine	255	Fine byte of Color Add GY
45	C TC	128	
46	C TC Fine	128	Fine byte of C TC
47	Tint	128	
48	Color Control	255	
49	Dimmer	0	
50	Dimmer Fine	0	Fine byte of Dimmer
51	Red	255	
52	Red Fine	255	Fine byte of Red
53	Green	255	
54	Green Fine	255	Fine byte of Green
55	Blue	255	
56	Blue Fine	255	Fine byte of Blue
57	Color Add WW	255	

4 Cell RGBWL Full (continued)

Ch	Function	Default	DMX values
58	Color Add WW Fine	255	Fine byte of Color Add WW
59	Color Add GY	255	
60	Color Add GY Fine	255	Fine byte of Color Add GY
61	C TC	128	
62	C TC Fine	128	Fine byte of C TC
63	Tint	128	
64	Color Control	255	
65	Shutter1Strobe	0	
66	Color Macro1	0	
67	Control1	0	
68	Indicator Dimmer	0	
69	Color Wheel	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Yellow (wheel slot 5) 26–30 Purple (wheel slot 6) 31–35 Cyan (wheel slot 7) 36–40 White (wheel slot 8) 41–255 No Function (wheel slot 9)