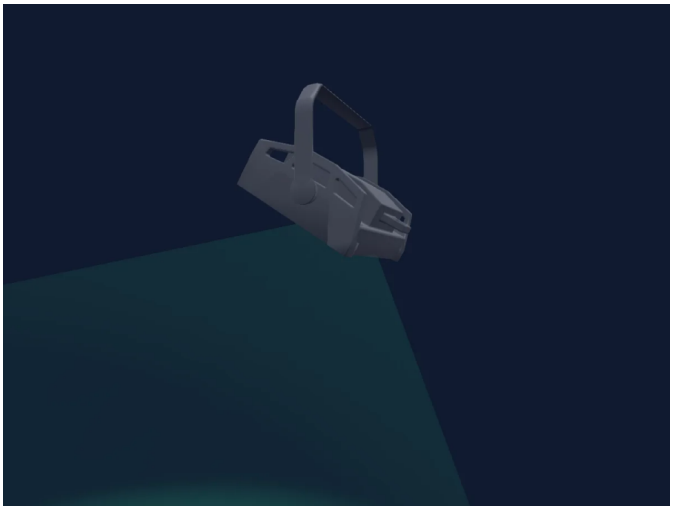
Cameo

S2 Softlight



Manufacturer	**Cameo**
Type	**Moving head**
DMX modes	**17**
DMX footprint	**1, 2, 3, 4, 6, 7, 8, 10, 16, 18 channels**
Beam angle	**100°**
Pan range	**360°**
Tilt range	**360°**
Size (W × H × D)	**354 × 157 × 374 mm**
GDTF fixture type	**C0574C5A-9B4B-4D2F-BC7F-30…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer

Safety-relevant functions

Service functions · Built-in effect programmes

DMX modes

1 CH DIM (User Color 1)	1 ch
2 CH CCT	2 ch
2CH DIM 16 Bit (User Color 1)	2 ch
3 CH RGB (calibrated)	3 ch
4 CH 4CCT Mode (16Bit)	4 ch
4 CH Direct Mode (RAW) RGBW	4 ch
6 CH HSI-CCT Mode (16Bit)	6 ch
6 CH xy	6 ch
7 CH Direct Control	7 ch
7 CH Preset	7 ch
7 CH RGB-CCT	7 ch
16 CH Pixel	8 ch
8 CH Direct Mode (RAW) RGBW (16bit)	8 ch
10 CH Direct CCT	10 ch
10 CH HSI-CCT (16Bit)	10 ch
16 CH Direct CCT	16 ch
18 CH Full Access	18 ch

1 CH DIM (User Color 1)

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	

2 CH CCT

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	C TC	88	0–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight

2CH DIM 16 Bit (User Color 1)

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

3 CH RGB (calibrated)

3 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	

4 CH 4CCT Mode (16Bit)

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	88	0–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight

4 CH 4CCT Mode (16Bit) (continued)

Ch	Function	Default	DMX values
4	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

4 CH Direct Mode (RAW) RGBW

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Color Add WW	255	

6 CH HSI-CCT Mode (16Bit)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	0–83 red 84–164 Green 165–254 Blue 255–255 red
4	H SBSaturation	0	0–0 CCT 1–254 CCT - Hue 255–255 Hue
5	C TC	0	0–5 off 6–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight
6	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

6 CH xy

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	85	
4	C IEX Fine	73	Fine byte of C IEX
5	C IEY	85	
6	C IEY Fine	73	Fine byte of C IEY

7 CH Direct Control

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Green	255	
5	Blue	255	
6	Color Add WW	255	
7	Function	0	0–24 No function 25–25 Record User Color 1 (hold 3s) 26–26 Record User Color 2 (hold 3s) 27–27 Record User Color 3 (hold 3s) 28–28 Record User Color 4 (hold 3s) 29–29 Record User Color 5 (hold 3s) 30–30 Record User Color 6 (hold 3s) 31–31 Record User Color 7 (hold 3s) 32–32 Record User Color 8 (hold 3s) 33–73 No function 74–75 Dimmer Response LED (hold 1;5s) 76–77 Dimmer Response Halogen (hold 1;5s) 78–81 No function 82–83 DTW (Redshift) on (Hold 1;5s) 84–85 DTW (Redshift) off (Hold 1;5s) 86–97 No function 98–99 Auto Fan (Hold 3s) 100–101 Fan off (hold 3s) 102–103 Constant Low Fan (hold 3s) 104–105 Constant Mid Fan (hold 3s) 106–107 Constant High Fan (hold 3s) 108–119 Empty Channel Set 120–121 LED Frequency 650Hz (hold 3s) 122–123 LED Frequency 1530Hz (hold 3s) 124–125 LED Frequency 3600Hz (hold 3s) 126–127 LED Frequency 12kHz (hold 3s) 128–129 LED Frequency 18-9 kHz (hold 3s) 130–131 LED Frequency 25kHz (hold 3s) 132–133 RAW (hold 3s) 134–135 Calibrated (hold 3s) 136–137 User Calibrated (hold 3s) 138–139 Smart Calibration (Hold 3s) 140–141 Display on (hold 3s) 142–143 Display off (hold 3s) 144–163 No function 164–165 Dimmer Curve Linear (hold 3s) 166–167 Dimmer Curve Exponential (hold 3s) 168–169 Dimmer Curve Logarithmic (hold 3s) 170–171 Dimmer Curve S-Curve (hold 3s) 172–239 No function 240–241 Default set (except DMX-Address and Mode) (Hold ... 242–243 Default set (except DMX-Address and Mode UC/Lo... 244–255 No function

7 CH Preset

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

7 CH Preset (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up/down: slow->fast strobe · Slow 0.5–0.955 Hz 22–22 Ramp up/down: slow->fast strobe · Fast 1 Hz 23–32 Ramp up/down: random: slow->fast · Slow 0.5–3.65 Hz 33–33 Ramp up/down: random: slow->fast · Fast 4 Hz 34–44 Ramp up: slow->fast strobe · Slow 0.5–1.86 Hz 45–45 Ramp up: slow->fast strobe · Fast 2 Hz 46–55 Ramp up: random: slow->fast · Slow 0.5–5.45 Hz 56–56 Ramp up: random: slow->fast · Fast 6 Hz 57–67 Ramp down: slow->fast strobe · Slow 0–3.64 Hz 68–68 Ramp down: slow->fast strobe · Fast 4 Hz 69–78 Ramp down: random: slow->fast · Slow 0.5–4.55 Hz 79–79 Ramp down: random: slow->fast · Fast 5 Hz 80–101 Random Strobe effect: slow->fast · Slow 1–4.82 Hz 102–102 Random Strobe effect: slow->fast · Fast 5 Hz 103–126 Strobe Break effect: 5s->1s (Short burst with break... 127–127 Strobe Break effect: 5s->1s (Short burst with break... 128–128 Strobe: slow->fast: <1Hz-20Hz · Slow 1Hz 1 Hz 129–249 Strobe: slow->fast: <1Hz-20Hz · 1-20 Hz 1.16–19.8 Hz 250–250 Strobe: slow->fast: <1Hz-20Hz · Fast 20Hz 20 Hz 255–255 Open

7 CH Preset (continued)

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

7 CH Preset (continued)

Ch	Function	Default	DMX values
5	Color Mix MSpeed	0	0–5 0s 6–105 01s - 10s (01s Steps) 106–214 11s - 119s (1s Steps) 215–244 2m - 4m50s (10s Steps) 245–255 5m - 15m (1m Steps)
6	Color Effects1	0	0–5 No Function 6–39 Color Chase 40–68 Police Car 69–96 Firetruck 97–125 Fire 126–154 Clouds 155–182 Fireworks 183–211 Paparazzi 212–254 Lightning 255–255 No Function
7	Color Wheel Select MSpeed	0	0–254 slow 255–255 fast

7 CH RGB-CCT

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Green	255	
5	Blue	255	
6	C TC	0	0–5 No Function 6–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight
7	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

16 CH Pixel

8 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue

16 CH Pixel (continued)

Ch	Function	Default	DMX values
7	Color Add WW	255	
8	Color Add WW Fine	255	Fine byte of Color Add WW

8 CH Direct Mode (RAW) RGBW (16bit)

8 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	Color Add WW	255	
8	Color Add WW Fine	255	Fine byte of Color Add WW

10 CH Direct CCT

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up/down: slow->fast strobe · Slow 0.5–0.955 Hz 22–22 Ramp up/down: slow->fast strobe · Fast 1 Hz 23–32 Ramp up/down: random: slow->fast · Slow 0.5–3.65 Hz 33–33 Ramp up/down: random: slow->fast · Fast 4 Hz 34–44 Ramp up: slow->fast strobe · Slow 0.5–1.86 Hz 45–45 Ramp up: slow->fast strobe · Fast 2 Hz 46–55 Ramp up: random: slow->fast · Slow 0.5–5.45 Hz 56–56 Ramp up: random: slow->fast · Fast 6 Hz 57–67 Ramp down: slow->fast strobe · Slow 0–3.64 Hz 68–68 Ramp down: slow->fast strobe · Fast 4 Hz 69–78 Ramp down: random: slow->fast · Slow 0.5–4.55 Hz 79–79 Ramp down: random: slow->fast · Fast 5 Hz 80–101 Random Strobe effect: slow->fast · Slow 1–4.82 Hz 102–102 Random Strobe effect: slow->fast · Fast 5 Hz 103–126 Strobe Break effect: 5s->1s (Short burst with break... 127–127 Strobe Break effect: 5s->1s (Short burst with break... 128–128 Strobe: slow->fast: <1Hz-20Hz · Slow 1Hz 1 Hz 129–249 Strobe: slow->fast: <1Hz-20Hz · 1-20 Hz 1.16–19.8 Hz 250–250 Strobe: slow->fast: <1Hz-20Hz · Fast 20Hz 20 Hz 255–255 Open
4	Red	255	
5	Green	255	
6	Blue	255	
7	Color Add WW	255	

10 CH Direct CCT (continued)

Ch	Function	Default	DMX values
8	C TC	0	0–5 no function 6–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight
9	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green
10	Function	33	0–24 No function 25–25 Record User Color 1 (hold 3s) 26–26 Record User Color 2 (hold 3s) 27–27 Record User Color 3 (hold 3s) 28–28 Record User Color 4 (hold 3s) 29–29 Record User Color 5 (hold 3s) 30–30 Record User Color 6 (hold 3s) 31–31 Record User Color 7 (hold 3s) 32–32 Record User Color 8 (hold 3s) 33–73 No function 74–75 Dimmer Response LED (hold 1and half s) 76–77 Dimmer Response Halogen (hold 1and half s) 78–81 No function 82–83 DTW (Redshift) on (hold 1and half s) 84–85 DTW (Redshift) off (hold 1and half s) 86–97 No function 98–99 Auto Fan (Hold 3s) 100–101 Fan off (hold 3s) 102–103 Constant Low Fan (hold 3s) 104–105 Constant Mid Fan (hold 3s) 106–107 Constant High Fan (hold 3s) 108–119 Empty Channel Set 120–121 LED Frequency 650Hz (hold 3s) 122–123 LED Frequency 1530Hz (hold 3s) 124–125 LED Frequency 3600Hz (hold 3s) 126–127 LED Frequency 12kHz (hold 3s) 128–129 LED Frequency 18-9 kHz (hold 3s) 130–131 LED Frequency 25kHz (hold 3s) 132–133 RAW (hold 3s) 134–135 Calibrated (hold 3s) 136–137 User Calibrated (hold 3s) 138–139 Smart Calibration (Hold 3s) 140–141 Display on (hold 3s) 142–143 Display off (hold 3s) 144–163 No function 164–165 Dimmer Curve Linear (hold 3s) 166–167 Dimmer Curve Exponential (hold 3s) 168–169 Dimmer Curve Logarithmic (hold 3s) 170–171 Dimmer Curve S-Curve (hold 3s) 172–239 No function 240–241 Default set (except DMX-Address and Mode) (Hold ... 242–243 Default set (except DMX-Address and Mode UC/Lo... 244–255 No function

10 CH HSI-CCT (16Bit)

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up/down: slow->fast strobe · Slow 0.5–0.955 Hz 22–22 Ramp up/down: slow->fast strobe · Fast 1 Hz 23–32 Ramp up/down: random: slow->fast · Slow 0.5–3.65 Hz 33–33 Ramp up/down: random: slow->fast · Fast 4 Hz 34–44 Ramp up: slow->fast strobe · Slow 0.5–1.86 Hz 45–45 Ramp up: slow->fast strobe · Fast 2 Hz 46–55 Ramp up: random: slow->fast · Slow 0.5–5.45 Hz 56–56 Ramp up: random: slow->fast · Fast 6 Hz 57–67 Ramp down: slow->fast strobe · Slow 0–3.64 Hz 68–68 Ramp down: slow->fast strobe · Fast 4 Hz 69–78 Ramp down: random: slow->fast · Slow 0.5–4.55 Hz 79–79 Ramp down: random: slow->fast · Fast 5 Hz 80–101 Random Strobe effect: slow->fast · Slow 1–4.82 Hz 102–102 Random Strobe effect: slow->fast · Fast 5 Hz 103–126 Strobe Break effect: 5s->1s (Short burst with break... 127–127 Strobe Break effect: 5s->1s (Short burst with break... 128–128 Strobe: slow->fast: <1Hz-20Hz · Slow 1Hz 1 Hz 129–249 Strobe: slow->fast: <1Hz-20Hz · 1-20 Hz 1.16–19.8 Hz 250–250 Strobe: slow->fast: <1Hz-20Hz · Fast 20Hz 20 Hz 255–255 Open
4	H SBHue	0	0–83 red 84–164 Green 165–254 Blue 255–255 red
5	H SBSaturation	0	0–0 CCT 1–254 CCT - Hue 255–255 Hue
6	C TC	0	0–5 off 6–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight
7	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

10 CH HSI-CCT (16Bit) (continued)

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

10 CH HSI-CCT (16Bit) (continued)

Ch	Function	Default	DMX values
9	Color Mix MSpeed	0	0–5 0s 6–105 01s - 10s (01s Steps) 106–214 11s - 119s (1s Steps) 215–244 2m - 4m50s (10s Steps) 245–255 5m - 15m (1m Steps)
10	Function	0	0–24 No function 25–25 Record User Color 1 (hold 3s) 26–26 Record User Color 2 (hold 3s) 27–27 Record User Color 3 (hold 3s) 28–28 Record User Color 4 (hold 3s) 29–29 Record User Color 5 (hold 3s) 30–30 Record User Color 6 (hold 3s) 31–31 Record User Color 7 (hold 3s) 32–32 Record User Color 8 (hold 3s) 33–73 No function 74–75 Dimmer Response LED (hold 1;5s) 76–77 Dimmer Response Halogen (hold 1;5s) 78–81 No function 82–83 DTW (Redshift) on (Hold 1;5s) 84–85 DTW (Redshift) off (Hold 1;5s) 86–97 No function 98–99 Auto Fan (Hold 3s) 100–101 Fan off (hold 3s) 102–103 Constant Low Fan (hold 3s) 104–105 Constant Mid Fan (hold 3s) 106–107 Constant High Fan (hold 3s) 108–119 Empty Channel Set 120–121 LED Frequency 650Hz (hold 3s) 122–123 LED Frequency 1530Hz (hold 3s) 124–125 LED Frequency 3600Hz (hold 3s) 126–127 LED Frequency 12kHz (hold 3s) 128–129 LED Frequency 18-9 kHz (hold 3s) 130–131 LED Frequency 25kHz (hold 3s) 132–133 RAW (hold 3s) 134–135 Calibrated (hold 3s) 136–137 User Calibrated (hold 3s) 138–139 Smart Calibration (Hold 3s) 140–141 Display on (hold 3s) 142–143 Display off (hold 3s) 144–163 No function 164–165 Dimmer Curve Linear (hold 3s) 166–167 Dimmer Curve Exponential (hold 3s) 168–169 Dimmer Curve Logarithmic (hold 3s) 170–171 Dimmer Curve S-Curve (hold 3s) 172–239 No function 240–241 Default set (except DMX-Address and Mode) (Hold ... 242–243 Default set (except DMX-Address and Mode UC/Lo... 244–255 No function

16 CH Direct CCT

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

16 CH Direct CCT (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up/down: slow->fast strobe · Slow 0.5–0.955 Hz 22–22 Ramp up/down: slow->fast strobe · Fast 1 Hz 23–32 Ramp up/down: random: slow->fast · Slow 0.5–3.65 Hz 33–33 Ramp up/down: random: slow->fast · Fast 4 Hz 34–44 Ramp up: slow->fast strobe · Slow 0.5–1.86 Hz 45–45 Ramp up: slow->fast strobe · Fast 2 Hz 46–55 Ramp up: random: slow->fast · Slow 0.5–5.45 Hz 56–56 Ramp up: random: slow->fast · Fast 6 Hz 57–67 Ramp down: slow->fast strobe · Slow 0–3.64 Hz 68–68 Ramp down: slow->fast strobe · Fast 4 Hz 69–78 Ramp down: random: slow->fast · Slow 0.5–4.55 Hz 79–79 Ramp down: random: slow->fast · Fast 5 Hz 80–101 Random Strobe effect: slow->fast · Slow 1–4.82 Hz 102–102 Random Strobe effect: slow->fast · Fast 5 Hz 103–126 Strobe Break effect: 5s->1s (Short burst with break... 127–127 Strobe Break effect: 5s->1s (Short burst with break... 128–128 Strobe: slow->fast: <1Hz-20Hz · Slow 1Hz 1 Hz 129–249 Strobe: slow->fast: <1Hz-20Hz · 1-20 Hz 1.16–19.8 Hz 250–250 Strobe: slow->fast: <1Hz-20Hz · Fast 20Hz 20 Hz 255–255 Open
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	Color Add WW	0	
11	Color Add WW Fine	0	Fine byte of Color Add WW
12	C TC	0	0–5 no function 6–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight
13	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

16 CH Direct CCT (continued)

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

16 CH Direct CCT (continued)

Ch	Function	Default	DMX values
15	Color Mix MSpeed	0	0–5 0s 6–105 01s - 10s (01s Steps) 106–214 11s - 119s (1s Steps) 215–244 2m - 4m50s (10s Steps) 245–255 5m - 15m (1m Steps)
16	Function	0	0–24 No function 25–25 Record User Color 1 (hold 3s) 26–26 Record User Color 2 (hold 3s) 27–27 Record User Color 3 (hold 3s) 28–28 Record User Color 4 (hold 3s) 29–29 Record User Color 5 (hold 3s) 30–30 Record User Color 6 (hold 3s) 31–31 Record User Color 7 (hold 3s) 32–32 Record User Color 8 (hold 3s) 33–73 No function 74–75 Dimmer Response LED (hold 1;5s) 76–77 Dimmer Response Halogen (hold 1;5s) 78–81 No function 82–83 DTW (Redshift) on (Hold 1;5s) 84–85 DTW (Redshift) off (Hold 1;5s) 86–97 No function 98–99 Auto Fan (Hold 3s) 100–101 Fan off (hold 3s) 102–103 Constant Low Fan (hold 3s) 104–105 Constant Mid Fan (hold 3s) 106–107 Constant High Fan (hold 3s) 108–119 Empty Channel Set 120–121 LED Frequency 650Hz (hold 3s) 122–123 LED Frequency 1530Hz (hold 3s) 124–125 LED Frequency 3600Hz (hold 3s) 126–127 LED Frequency 12kHz (hold 3s) 128–129 LED Frequency 18-9 kHz (hold 3s) 130–131 LED Frequency 25kHz (hold 3s) 132–133 RAW (hold 3s) 134–135 Calibrated (hold 3s) 136–137 User Calibrated (hold 3s) 138–139 Smart Calibration (Hold 3s) 140–141 Display on (hold 3s) 142–143 Display off (hold 3s) 144–163 No function 164–165 Dimmer Curve Linear (hold 3s) 166–167 Dimmer Curve Exponential (hold 3s) 168–169 Dimmer Curve Logarithmic (hold 3s) 170–171 Dimmer Curve S-Curve (hold 3s) 172–239 No function 240–241 Default set (except DMX-Address and Mode) (Hold ... 242–243 Default set (except DMX-Address and Mode UC/Lo... 244–255 No function

18 CH Full Access

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

18 CH Full Access (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–21 Ramp up/down: slow->fast strobe · Slow 0.5–0.955 Hz 22–22 Ramp up/down: slow->fast strobe · Fast 1 Hz 23–32 Ramp up/down: random: slow->fast · Slow 0.5–3.65 Hz 33–33 Ramp up/down: random: slow->fast · Fast 4 Hz 34–44 Ramp up: slow->fast strobe · Slow 0.5–1.86 Hz 45–45 Ramp up: slow->fast strobe · Fast 2 Hz 46–55 Ramp up: random: slow->fast · Slow 0.5–5.45 Hz 56–56 Ramp up: random: slow->fast · Fast 6 Hz 57–67 Ramp down: slow->fast strobe · Slow 0–3.64 Hz 68–68 Ramp down: slow->fast strobe · Fast 4 Hz 69–78 Ramp down: random: slow->fast · Slow 0.5–4.55 Hz 79–79 Ramp down: random: slow->fast · Fast 5 Hz 80–101 Random Strobe effect: slow->fast · Slow 1–4.82 Hz 102–102 Random Strobe effect: slow->fast · Fast 5 Hz 103–126 Strobe Break effect: 5s->1s (Short burst with break... 127–127 Strobe Break effect: 5s->1s (Short burst with break... 128–128 Strobe: slow->fast: <1Hz-20Hz · Slow 1Hz 1 Hz 129–249 Strobe: slow->fast: <1Hz-20Hz · 1-20 Hz 1.16–19.8 Hz 250–250 Strobe: slow->fast: <1Hz-20Hz · Fast 20Hz 20 Hz 255–255 Open
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	Color Add WW	0	
11	Color Add WW Fine	0	Fine byte of Color Add WW
12	C TC	0	0–5 no function 6–6 Warm white 7–46 Warm white -> 2700K 47–47 Bulb White (2700K) 48–87 2700K -> 3200K 88–88 Halogen White (3200K) 89–128 3200K -> 4000K 129–129 Neutral White (4000K) 130–169 4000K -> 5600K 170–170 Studio-White (5600K) 171–210 5600K -> 6500K 211–211 Daylight White (6500K) 212–251 6500K -> cold Daylight 252–255 Cold Daylight
13	Tint	0	0–0 No function 1–127 Magenta to Neutral 128–128 Neutral 129–255 Neutral to Green

18 CH Full Access (continued)

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

18 CH Full Access (continued)

Ch	Function	Default	DMX values
15	Color Mix MSpeed	0	0–5 0s 6–105 01s - 10s (01s Steps) 106–214 11s - 119s (1s Steps) 215–244 2m - 4m50s (10s Steps) 245–255 5m - 15m (1m Steps)
16	Color Effects1	0	0–5 No Function 6–39 Color Chase 40–68 Police Car 69–96 Firetruck 97–125 Fire 126–154 Clouds 155–182 Fireworks 183–211 Paparazzi 212–254 Lightning 255–255 No Function
17	Color Wheel Select MSpeed	0	0–254 slow 255–255 fast
18	Function	0	0–24 No function 25–25 Record User Color 1 (hold 3s) 26–26 Record User Color 2 (hold 3s) 27–27 Record User Color 3 (hold 3s) 28–28 Record User Color 4 (hold 3s) 29–29 Record User Color 5 (hold 3s) 30–30 Record User Color 6 (hold 3s) 31–31 Record User Color 7 (hold 3s) 32–32 Record User Color 8 (hold 3s) 33–73 No function 74–75 Dimmer Response LED (hold 1;5s) 76–77 Dimmer Response Halogen (hold 1;5s) 78–81 No function 82–83 DTW (Redshift) on (Hold 1;5s) 84–85 DTW (Redshift) off (Hold 1;5s) 86–97 No function 98–99 Auto Fan (Hold 3s) 100–101 Fan off (hold 3s) 102–103 Constant Low Fan (hold 3s) 104–105 Constant Mid Fan (hold 3s) 106–107 Constant High Fan (hold 3s) 108–119 Empty Channel Set 120–121 LED Frequency 650Hz (hold 3s) 122–123 LED Frequency 1530Hz (hold 3s) 124–126 LED Frequency 3600Hz (hold 3s) 127–128 LED Frequency 12kHz (hold 3s) 129–129 LED Frequency 18-9 kHz (hold 3s) 130–131 LED Frequency 25kHz (hold 3s) 132–133 RAW (hold 3s) 134–135 Calibrated (hold 3s) 136–137 User Calibrated (hold 3s) 138–139 Smart Calibration (Hold 3s) 140–141 Display on (hold 3s) 142–143 Display off (hold 3s) 144–163 No function 164–165 Dimmer Curve Linear (hold 3s) 166–167 Dimmer Curve Exponential (hold 3s) 168–169 Dimmer Curve Logarithmic (hold 3s) 170–171 Dimmer Curve S-Curve (hold 3s) 172–239 No function 240–241 Default set (except DMX-Address and Mode) (Hold ... 242–243 Default set (except DMX-Address and Mode UC/Lo... 244–255 No function